

॥ ज्ञानमयो भव ॥
प्रोग्रेसिव्ह एज्युकेशन सोसायटीचे
मॉडर्न कला, विज्ञान आणि वाणिज्य महाविद्यालय
गणेशखिंड, पुणे ४११ ०१६



आकांक्षा

2021-22

युद्ध आणि संघर्ष | जीवन आणि संघर्ष





कै. शंकरराव कानिटकर

संस्थापक, प्रोग्रेसिव्ह एज्युकेशन सोसायटी, पुणे ४११००५



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NAAC ACCREDITATION 'A'

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युद्ध आणि संघर्ष

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प्रा. डॉ. प्रकाश दीक्षित

प्रा. सुरेश तोडक

संपादक समिती

प्राचार्य डॉ. वंजय वदवात

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साक्षी जोशी, हर्षवर्धन कसबे, अविनाश मुकमकर

रोमा चिपळूणकर, चंद्रिका केसरवाणी

मुखपृष्ठ, मांडणी, सजावट व मुद्रणस्थळ

डी टू डी मिडीया, अलोक मगरी, कसबा पेठ, पुणे

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प्रकाशन स्थळ	: प्रो. ए. सो चे मॉडर्न कला, विज्ञान आणि वाणिज्य महाविद्यालय, गणेशखिंड, पुणे ४११०१६
प्रकाशन काळ	: वार्षिक
मुद्रकाचे नाव	: डी टु डी मिडिया, कसबा पेठ, पुणे
राष्ट्रीयत्व	: भारतीय
प्रकाशकाचे नाव	: प्राचार्य डॉ. संजय खरात
राष्ट्रीयत्व	: भारतीय
पत्ता	: प्रो. ए. सो चे मॉडर्न कला, विज्ञान आणि वाणिज्य महाविद्यालय, गणेशखिंड, पुणे ४११०१६
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राष्ट्रीयत्व	: भारतीय
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मी, प्राचार्य डॉ. संजय खरात जाहीर करतो की, वर दिलेली माहिती माझ्या समजुतीप्रमाणे बरोबर आहे.

– प्राचार्य डॉ. संजय खरात, प्रकाशक

या अंकात प्रकाशित केलेल्या लेखन साहित्याशी संपादक, प्रकाशक सहमत असतीलच असे नाही. हा अंक फक्त खाजगी वितरणासाठी आहे.



Progressive Education Society's

Modern College of Arts, Science & Commerce

Ganeshkhind, Pune-411016. Tel.: (020) 2563 4021, 2563 1091, Fax : 2565 0931

www.moderncollegegk.org

moderncollege16@gmail.com

P.E. Society's Modern College of Arts, Science and Commerce, Ganeshkhind established in 1992 with 230 students, now hosts 6106 students under 9 undergraduate, 13 post-graduate and 4 MPhil/PhD in various classical and interdisciplinary programmes. Students from different Indian states and various countries display vibrant demographic diversity. We have state-of-the-art physical, sports and IT infrastructure, well-equipped laboratories and well-stocked library with e-resources that enables quality teaching-learning-evaluation process. A good number of students have secured university rank and gold medals and are passing competitive examinations and representing the college in extra-curricular and outreach activities. Academic achievements of students enabled the college to leave a mark on Pune's educational map. The college has been awarded with prestigious Star Status from the DBT, Government of India, being the first college under SP Pune University. The college is supported under DST-FIST and different UGC grants and has been sanctioned in 2021 prestigious DBT-BUILDER programme. Faculty members received research grants of Rs. 2 Crores in the last 5 years from various funding agencies like UGC, DBT, SERB, ISRO, DAE-BRNS, Australia-India-Council and SP Pune University. The students and faculty members have a substantial number of publications in research journals of repute besides filing patents. The college has a registered alumni association contributing to college development.

The college has received almost all awards instituted by SP Pune University viz. Best College, Best Principal, Best College for Student Welfare Board and Program Officer,

Best NSS Unit and Program Officer, Best College Magazine and Jagannath Rathi Award for Best College. Our faculty members have received University award for Best Teacher and Best Innovative Teacher award. Best Innovative College Award has been presented by Centre for Education and Development Administration (CEDA) and a Best College Award instituted by Red Cross Society. Maharashtra Energy Development Agency (MEDA) has honoured a state-level award for excellence in Energy Conservation and Management recognizing the college as a Green Educational Institute.

Chatrapati Shivaji Maharaj Vanashri Puraskar has been awarded by Government of Maharashtra. Kirloskar Vasundhara Foundation has recognized the college with 'Green College Clean College' Award for consecutive three years.

The college has emerged as a reputed educational institute with its strong teaching-learning base, experience of multi-faculty education and for running efficiently diverse programmes. The college addresses cross-cutting issues through its multipronged activities. Internal Quality Assurance Cell of the college ensures that the quality initiatives reflect value framework devised by NAAC. The college is undergoing 4th cycle of NAAC accreditation.

In February 2022, the college has been granted autonomous status and is well prepared for effective implementation of academic autonomy. Also it is geared to address issues for better implementation of National Education Policy (NEP). We at the college have resolved to keep the pace with changing academic, technology and research and innovation scenario.

SALIENT FEATURES

- Prime Location (very close to University of Pune & Chaturshrungi Hills).
- Permanently Affiliated to the University of Pune.
- Reaccredited by NAAC with 'A' Grade.
- Well qualified and experienced faculty.
- Healthy academic environment.
- Well equipped laboratories with internet connectivity.
- Well stocked Library with digital library facility and internet.
- Gymnasium for staff and students.
- Placement Cell.
- Well equipped administrative office.
- Well equipped audio-visual hall.
- Wind Solar Environmental Project to generate 28 KV electricity
- Beautiful green campus with well developed Botanical Garden.
- Adequate sports facilities, Spacious parking & Canteen facility.
- College Encourage students to participate in cultural activities, discussions, forums in-house interactions, industrial visits, training, Internship, Research Projects.
- Special focus on Industry-Institute Interface.
- College Magazine 'Akanksha', a creative platform.
- Conducts state/national level seminars/ workshop & conferences.

The Master Navigators of Progressive Education Society



Prof. Dr. Gajanan R. Ekbote
Chairman, Business Council, P. E. Society, Pune



Prof. S. S. Deshmukh
Secretary, P. E. Society, Pune



Prof. Mrs. J.G Ekbote
Jt. Secretary, P. E. Society, Pune



Prof. S. V. Todkar
Jt. Secretary, P.E Society, Pune



Prof. Dr. P. G. Dixit
Dy. Secretary, P.E. Society, Pune



Shri C.C. Kamble
Dy. Secretary, P.E. Society, Pune



Prof. Dr. Nivedita G. Ekbote
Dy. Secretary P. E. Society, Pune

अनुक्रमणिका

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CONGRATULATIONS!



Progressive Education Society, Pune-5 is conferred with the most prestigious Award of Navbharat Group(News Paper) under Special Category as 'Best Institute of the year in observing Best Social Responsiveness'



Hearty Congratulations to Prof. Dr. Jyotsna G. Ekbote Madam on being conferred prestigious " Navdurga Award" at the auspicious hands of Hon'ble Former Speaker of Loksabha Smt. Sumitratai Mahajan Madam.

Awarded Ph.D in Marathi (SPPU) विषय - १९९० नंतरच्या स्त्री लिखित निवडक ललित गद्याचा चिकित्सक अभ्यास



Kirloskar Vasundhara Green College Clean College Trophy 2021-22

CONGRATULATIONS!



Prof. Vijayalakshmi Kulkarni (Commerce Department) recipient of Prof. G.B.Kulkarni Award for the Best Teacher in Commerce University foundation award.



Dr Vinay Kumar (Biotechnology) Best Teacher Award, Savitribai Phule Pune University, Pune (2022) Indian National Science Academy (INSA) Visiting Scientist Award, 2022.



Dr Sangeeta Dhamdhare (Librarian) Savitribai Phule Pune University, Foundation Day Felicitation Award

BEST WISHES FOR YOUR FUTURE ENDEAVORS



Dr. Savita Sabnis
Hindi Department



Dr. Rekha Gupta
Biotechnology Department

Congratulations!



Dr Varsha Joshi
Awarded Ph.D. in Physics



Dr Deepak Shivram Kumbhar
Awarded Ph.D in Electronics



Dr Sandip Sanap
Awarded Ph.D in English



Prof Suvarna Mhasekar
Granted a German Patent on
"A Computer Based - Cloud Based Market
Trading System with Cloud Server"



Dr Satish Ambike
Granted Indian Patent o
"Product Cost Optimization
Soft Solution."



Dr Dipratn Khandare
Cleared SET in Chemistry



Prof. Priyanka Deshmukh
Cleared SET in Mathematical Science



Prof Purnima Gaikwad
Cleared NET & SET In History

Congratulations!

PRIDE OF MODERN 2021-22



Ajay Rathod
Cleared SET in Economics



Angad Sakhare
Cleared SET in Economics



Saraswati Ahire
Cleared SET in Economics



Khushi Mehata
Qualified Company Secretary
Examination before completing
Her Graduation with All India Rank 3



Anmol Rathore
Qualified Chartered
Accountants Examination
with All India Rank 45



Pranav Shivshankar
Intermediate Chartered
Accountants Examination Pass



Akshay Metha
Qualified Chartered
Accountants Examination



NCC Cadet- Siddhant Nagimukh
T.Y.B.Sc. (Physics) Attended
RD Parade at New Delhi



Madhavi Menon
selected for a Master's Program
in Psychology in
University of Pavia



Srujana Apte
got selected for a Master's
Program in Psychology in
University of Italy



Fatima Ayaz
got selected for a Master's
program (Psychology) in
University College Dublin.

Congratulations!

BEST STUDENT AWARD 2020-21 : JWALANTHI SUNDARAM



To be named the Best amongst so many is a feeling of happiness I cannot describe. I truly feel honoured that the committee deemed me worthy of the title of 'Pride of Modern'. Winning this award makes me more confident in my abilities. It enforces my belief in hard work, and helps me realise that I can achieve my goals through persistence if I set my mind to it. However, my achievements are not solely my own and I am grateful to my parents, brother, teachers especially our department HOD Dr Neelima Kulkarni, Dr Sneha Ogale, my Kathak teacher Rasika Kulkarni, and friends who have guided, supported and moulded me into the person that I am today. Winning this award strives me to improve myself every day. I will continue to hone my skills and use them for the greater good of society and our country.

VISION
Mission



VISION

Create Vibrant Knowledge Society driven by 'Progressive' ideas and 'Modern' techniques in education.

Mission

"Our goal is to create and develop "Modern" youth as responsible citizens with multi-dimensional personalities by inculcating among students a blending of cultural awareness, compassionate and progressive attitude, scientific insights and time-tested traditional values".



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प्रा. सुरेश तोडकर

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संस्था गीत

गरुडभरारी वेगाची - विकासाची - समृद्धीची ॥
ज्ञानात जागृती देशाची, घातली साद उत्थानाची ॥६॥

हे मंदिर स्थापिले शारदेचे, ज्ञानी गुणी शिक्षकांनी
ज्ञानमयो भव, व्हा प्रोग्रेसिव्ह, मंत्र दिला गुरुवर्यांनी
कवच हे 'मॉडर्न' शब्दाचे, क्षितिजे ही समृद्धीची
गरुडभरारी वेगाची - विकासाची - प्रगतीची ॥

डौलात फुलविल्या, विद्याध्यास घेऊनी निर्मितीचा
गगनी उगवला ज्ञानसूर्य, अन् तिमिर सरे अज्ञानाचा
संचालक हे सारे शिक्षक, जोड अलौकिक त्यागाची
गरुडभरारी वेगाची - विकासाची - प्रगतीची ॥

व्यापार ज्ञानदानाचा कोणी इथे कधी केला नाही
संस्कारांचा विचार कोणी, अन् कधी त्यागला नाही
विद्यार्थी व्हावा ज्ञानार्थी, कास धरू या वचनाची
गरुडभरारी वेगाची - विकासाची - प्रगतीची ॥

नवतंत्रज्ञान मिळो सर्वांना, असू दे रंक, असो राव
नवमंत्राचे भान मनाशी, नाही स्वार्थाचा भाव
ना मोहाला थारा, ना आसक्ती धनसंपत्तीची
गरुडभरारी वेगाची - विकासाची - प्रगतीची ॥

निर्मिती

प्रा. डॉ. गजानन र. एकबोटे
कार्याध्यक्ष, प्रो. ए. सोसायटी, पुणे
गीतकार : जयंत जोर्वेकर

मॉडर्न गीत

विद्या वैभव विलसे जेथे नाव त्याचे मॉडर्न ।

उत्तमाचा ध्यास जेथे तेच असे मॉडर्न ।

कानिटकरांच्या स्मृती जागवी प्रोग्रेसिव्ह मॉडर्न ।

अडथळ्यांवर मात करितसे विजिगीषू मॉडर्न ।

स्वरमाधुरीची तान असो वा विविधेचे ते भान ।

संशोधनाची जाण, प्रयत्ने पेटंट्सची ती स्वाण ।

मैदानावर, संगणकावर सजवी उंच कमान ।

स्पर्धा, उपक्रम या सर्वांवर गाजवी राज्य मॉडर्न ।

विद्यापीठीय बक्षिसांनी रांजण इथले भरले ।

नॅक स्तिमित, अन् छात्रांचे जरीपटके उडाले ।

उजळे प्रांगण उत्साहाचे नाव त्याचे मॉडर्न ।

बालक-पालक-चालक यांचे ऐक्य स्वुले ते मॉडर्न ।

चतुःश्रुंगी मातेचा आशिष डॉक्टरांस लाभला ।

चैतन्याचा अमृतकलश जो त्याचे नाव मॉडर्न ।

रजत महोत्सवी मांगल्याचा पथदर्शी वसा मॉडर्न ।

पुण्यनगरीवर, सुविद्य जनांवर ठसा तोच मॉडर्न ॥

प्रा. उज्वला प्रकाश दीक्षित
गीतकार



संपादकीय

डॉ. संस्कृती आवलगावकर

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युद्ध आणि संघर्ष



युद्धाच्या कविता

एक नकाशा असतो देश
जो बदलत जातो प्रत्येक युद्धानंतर

जमिनीचा तो तुकडा,
भरतो आहे हळूहळू थडग्यांनी
उद्या कदाचित भरेल शहर
आणि परवा सगळा देशही

माझ्या मनात चालू आहे युद्ध
हजारो कलेवर पडली आहेत रणांगणावर
मी शोधते माझं प्रतिबिंब त्याच्यात
तर काहीच दिसत नाही काळोखा शिवाय

केवळ पोकळी--- अमर्याद
व्यापून राहिलेली साऱ्या अस्तित्वाला
युद्ध संपण्याची वाट पाहातेच मी

श्वास घेणं कठीण होत माणसांना
तेव्हा फुंकावं लागतं रणशिंग
काळ्या मातीत तगून राहण्यासाठी
नागरावं लागतं स्वतःलाच
पाऊस पडल्यावर

कदाचित दूर होतील...
काजळी चढलेल्या युद्धाचे ढग
आणि होईल स्वच्छ हवा

माणसं घेतील श्वास खुल्या आकाशात
असा दिवस उगवू शकतो का
युद्धाच्या ढगाआडून

कवयित्री.....नीरजा

आपण सारे सैनिक



मानवी इतिहासातील कुठलाही काळ घेतला, तर त्यात इतर सर्व बाबींबरोबर युद्धे दिसून येतात. युद्धांचे स्वरूप आणि डावपेच अर्थातच काळानुरूप वेगळे राहिले आहे. प्राचीन काळात रथ, घोडे, हत्ती यांच्याबरोबरच मोठ्या प्रमाणावरील पायदळ यांचा समावेश असे. समोरासमोर युद्धे होत असत. हत्यारांमध्ये भाला, धनुष्य-बाण, तलवारी अशा शस्त्रांचा समावेश असे. प्राचीन काळात वेगवेगळ्या व्यूहरचना केल्या जात. क्रॉच, गरुड, मंडल, वज्र, चक्र अशा व्यूहरचनांचे उल्लेख आढळतात. काळ बदलला, आधुनिक तंत्रज्ञान आले, तसे युद्धांचे स्वरूप डावपेच बदलू लागले. गन पावडरचा शोध लागल्यानंतर युद्धाला वेगळे स्वरूप मिळाले. तंत्रज्ञानाचा वापर वाढू लागला, तशी युद्धातील संहारकता, अचूकता वाढू लागली. मनुष्यबळापेक्षा तंत्रज्ञान आणि अधिक संहारकता कुणाकडे, यावर राष्ट्रशक्तीचे परिमाण मोजले जाऊ लागले. आजच्या घडीला युद्धतंत्रज्ञानामध्ये आणि संहारकशक्तीमध्ये इतकी वाढ झाली आहे, की पहिल्या आणि दुसऱ्या महायुद्धासारखे सर्वकष युद्ध झाले, तर पृथ्वी नष्ट करू शकतील, अशी शस्त्रे आज विविध देशांकडे आहेत. त्यामुळेच आजच्या आव्हानांकडे पाहताना युद्ध या विषयाकडे पारंपरिक नजरेतून पाहता येणार नाही. युद्धाची व्याप्ती जशी वाढली, तसे युद्धाभ्यासाचा आवाकाही वाढला आहे. आताच्या काळात आपण सर्वच जण खरे तर जागतिक सत्तासमीकरणत प्रत्यक्ष-अप्रत्यक्ष कुठल्या ना कुठल्या युद्धात समाविष्ट झालो आहोत. त्याचे आकलन आपण नीट करून घेतले पाहिजे.

पुरातन काळापासून युद्धातील डावपेचात, तंत्रज्ञानात बदल होत आले असले, तरी युद्ध तत्त्ववेत्त्यांनी सांगितलेली मूलभूत तत्त्वे आजही कायम आहेत. आंतरराष्ट्रीय संबंधांमध्ये आणि युद्धशास्त्रामध्ये, युद्धाच्या आखणीमध्ये या तत्त्वांचा आजही अभ्यास होतो. सुन त्झू, लिडेल हार्ट, आर्य चाणक्य, क्लाउत्सविट्झ, यांपासून भारतातील स्वातंत्र्यानंतरचे सामरिक तज्ज्ञ के. सुब्रह्मण्यम यांपर्यंतच्या युद्ध तत्त्ववेत्त्यांचे विचार आजही उपयुक्त आहेत. चीन, अमेरिका, जपान, युरोप यांची युद्धपद्धती अभ्यासताना त्याचा उपयोग होतो. बदलत्या तंत्रज्ञानामुळे आज

जागतिक समीकरणे आणि भूराजकीय स्थिती बदलली आहे. अशा स्थितीत राष्ट्रीय सार्वभौमत्व, राष्ट्रीय ऐक्य आणि राष्ट्रशक्ती कायम ठेवून इतर देशांशी संबंध ठेवण्याची मुत्सद्देगिरी करण्याचे आव्हान राजतैनिक अधिकाऱ्यांसमोर कायम असते.

राष्ट्रीय सुरक्षा आणि युद्धाची व्याप्ती आता कमालीची बदलली आहे. सुरक्षेसमोर अपारंपरिक युद्धपद्धतीचे मोठे आव्हान उभे आहे. या नव्या आव्हानाचा सामना केवळ सुरक्षा दलांपुरता मर्यादित नसून, देशातील प्रत्येक नागरिक अशा युद्धात अप्रत्यक्षरीत्या सहभागी असतो. अन्नसुरक्षा, हवामान बदल, महासंहारक अस्त्रांवरील मर्यादा आणणे, करोनासारख्या साथीचे आव्हान, आरोग्यसुरक्षा, शस्त्रांची तस्करी, मानवी

तस्करी, आर्थिक-सामाजिक सुरक्षा, गरिबी, दहशतवाद आदींचा समावेश आताच्या सुरक्षा संकल्पनेमध्ये केला जातो. तंत्रज्ञानाची वाढती व्याप्ती लक्षात घेता त्याद्वारे सुरक्षेला असणाऱ्या धोक्यांचाही समावेश यामध्ये आहे. ड्रोनद्वारे हल्ल्यांचा धोका, सायबर हल्ल्यांचा धोका, अवकाश सुरक्षा अशी नवी आव्हाने आता सर्वासमोर आहेत. याचा सामना सर्वाना करायचा आहे. यातील काही धोके राष्ट्र-राज्य केंद्रीत यंत्रणेसमोरील, तर बरेसचे धोके जागतिक स्तरावरील आहेत. त्यामुळे आंतरराष्ट्रीय स्तरावर परस्परवलंबित्व आणि परस्पर सहकार्य अत्यावश्यक बनले आहे. हवामान बदलाबाबत जागतिक स्तरावर चाललेल्या चर्चा आणि त्यातून होणारे करारमदार याचे उत्तम निदर्शक आहेत. मात्र, या अपारंपरिक धोक्यांबाबत म्हणावी तेवढी जागृती अद्याप सर्वत्र दिसत नाही. देशातील सर्व नागरिकांसह आंतरराष्ट्रीय स्तरावर त्याबाबत जागृती होणे आवश्यक आहे. विशेषतः प्रगत देशांची स्वार्थी भूमिका आणि जागतिक सत्तास्पर्धेत अव्वल राहण्यासाठीची चुरस पाहता अपारंपरिक सुरक्षेचे आव्हान अधिकच बिकट होते.

भारताचा विचार करता, देशात दहशतवाद, नक्षलवाद, गरिबी, अन्नसुरक्षा, सामाजिक-आर्थिक विषमता, सीमावाद, सीमेवरून चालणारी तस्करी, महिलांचे शोषण आदी अपारंपरिक आव्हाने आहेत. त्यातील दहशतवादासारख्या आव्हानाची चर्चा अधिक होते. मात्र इतरही मुद्दे सुरक्षेच्या दृष्टिकोनातून तितकेच महत्त्वाचे असून, त्याचेही आव्हान नागरिकांना पेलायचे आहे. दहशतवादाच्या आव्हानाचा सामना करताना केवळ सुरक्षा दले करीत असलेली कारवाई पुरेशी नाही, तर दहशतवादी ज्या विचारांचा आधार घेऊन त्यांचे हेतू साध्य करण्याचा प्रयत्न करतात, त्या विचारसरणीच्या पराभवात दहशतवादाचे उच्चाटन दडलेले आहे. दहशतवादाचा धर्माशी काहीही संबंध नसून, धर्माचा आधार घेऊन हिंसेचा मार्ग अवलंबणाऱ्यांना सर्वधर्मीयांनी एकत्र येऊन रोखले पाहिजे. भारतासारख्या बहुसांस्कृतिक आणि वैविध्यपूर्ण देशांतील नागरिकांनी एकी दाखविली, तर दहशतवाद नेस्तनाबूत होईल. देशातील इतर

आव्हानांचाही सामना करताना राजकीय नेतृत्वाने आणि नागरिकांनी परस्पर सामंजस्यातून तोडगा काढणे गरजेचे आहे. देशातील तरुणांना संरक्षण आणि सामरिकशास्त्राबाबत अवगत करून देणे, या विषयाचे त्यांना प्रशिक्षण देणे आता अत्यावश्यक बनले असून, विविध महाविद्यालयांत हा विषय आता पदवी आणि पदव्युत्तर स्तरावर शिकविला जात आहे. मॉडर्न कॉलेजमध्येही हा विषय शिकविला जात असून, अधिकाधिक तरुणांना देशातील संरक्षणाबाबतीत आणि

सामरिकशास्त्रामध्ये पारंगत केले जात आहे. या विषयामध्ये पारंगत झाल्यानंतर संशोधन संस्थांसह इतर अनेक क्षेत्रांत करिअरच्या उत्तम संधी आहेत. अधिकाधिक तरुणांनी या विषयामध्ये पारंगत होऊन देशाच्या संरक्षणाप्रति जागरूक व्हावे.

प्रा. प्रसाद कुलकर्णी
संरक्षण आणि सामरिकशास्त्र विभाग

HEROES OF INDIA

War does not determine who is right-only who is left

War is an aggressive competition of armed conflict between states, governments, societies etc, using armies and weapons. It happens for competition over territory and resources, historical rivalries and grievances and in self defence against a perceived potential aggressor.

Many people wonder why we should learn about war and why it is so important? The reason because is that we don't make the same mistakes that previous generation of men made before us. If we made the same mistakes again, that would mean we as humans can't learn from our past mistakes which would stop us from advancing ourselves as a whole.

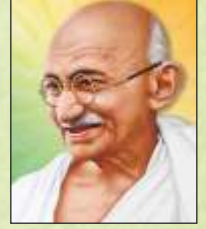
There are many effects of war on fighters. There are many kinds of trauma that can scar warrior in a physical or mental way that will never make them the same as they were before.

On 15 August, India become free from British domination. The independence was achieved through the efforts of many revolutionary freedom fighters, who took the lead in organizing the struggle which led to India's independence. There are some well known freedom fighters sacrificed their lives to ensure India's independence.

1. Mahatma Gandhi

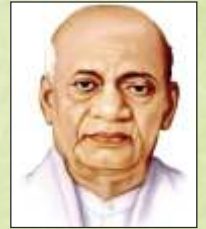
Father of the nation: Mahatma Gandhi not

only ushered India towards freedom, but he also become the inspiring figure for many independent strugglers and rights movements across the globe. He introduced the doctrine of non violence in India. There are lots of movies on Gandhi's sacrifices and ideology. Gandhi (1982), the making of Mahatma (1996), Gandhi my father (2007). Hey Ram (200), Lage raho Munna Bhai (2006).



2. Vallabhbhai Patel

He was a prominent figure in the freedom struggle, who later become India's first Deputy Prime Minister and first Home Minister. He is known for his contribution in integrating 565 princely states into a newly independent India. The sardar movie in 1993 was released to show his sacrifices.



India's independence movement was a series of historic events and sacrifices by thousands of freedom fighters. Undoubtedly Mahatma Gandhi, Jawaharlal Nehru, Netaji Subhas Chandra Bose, Bhagat Singh, Mangal Pandey, Rani Lakshmbai and many more are amongst the famous freedom fighters and have got the spotlights but there are some unsung heroes who played crucial role in India's freedom movement. While the

country celebrates 75 years of its Independence, let's take a look at some lesser-known

Freedom fighters and their sacrifice for India.

1. Matangini Hazra

An Indian revolutionary, who became actively interested in the Indian independence movement as a Gandhian. In 1932, she took part in the Civil Disobedience movement and was arrested for breaking the Salt Act. Hazra was also part of the Quit India Movement and Non-Cooperation Movement. During a procession, she was shot by the police but she kept chanting 'Vande Mataram' even after being repeatedly shot.



2. Ali Khan

One of the initial rebels of India, who participated in the Indian Independence movement, is yet not known to many. He was a part of the 1857 freedom struggle and was hanged in full public view along with 14 other rebellions who participated in the mutiny.



3. Khudiram Bose

He was one of the youngest revolutionaries who opposed British rule of India. Bose's tale of valour and contribution in India's freedom struggle is significant as he was just 18 years old when he was sentenced to death.



4. Aruna Asaf Ali

An active participant in the Indian Independence movement, she gained

prominence at the age of 33 as she hoisted the Indian National flag at the Gowalia Tank Maidan, Bombay during the Quit India movement in 1942.



5. Lakshmi Sahgal

Commonly referred as 'Captain Lakshmi', she was an officer of the Indian National Army and the Minister of Women's Affairs in the Azad Hind government. Sehgal also served time as a prisoner in Burma during the Second World War. She heard Netaji Subhas Chandra Bose was recruiting women soldiers, so she enlisted herself with a mandate to set up a women's regiment, to be called the Rani of Jhansi regiment, where she was appointed as a Captain.



6. Anant Laxman Kanhere (1892-1910)

He was a Indian freedom fighter From Nashik. On 21 December 1909, he shot Dead The Collector of Nashik in British India. The murder of Jackson was an important Event in the history of Nashik and the Indian revolutionary movement In Maharashtra. He was prosecuted in Bombay court and hanged in the Thane Prison on 19 April 1910, aged just 18.



7. Babu Genu (1908-1930)

was an India freedom fighter and revolutionary. On 12 December 1930, a cloth merchant named George Frazier of Manchester was Moving loads of foreign-made cloth from his shop in old Hanuman galli in the Fort



region to Mumbai Port. He was given police protection as per his request. The activists begged not to move the truck, but the police forced the Protesters aside and managed to get the truck moving. Near Bhaangwadi on Kalbadevi Road, Shahid Babu Genu stood in front of the truck, shouting praises for Mahatma Gandhi. The police officer ordered the driver to drive the truck Over Shahid Babu Genu, but the driver was Indian, so refused, saying: "I am Indian and he is also Indian, So, we both are the brothers of each other, then how can I murder my Brother?". After that, the English police officer sat on the driver seat and drove the truck over Babu Genu and crushed him to death under the truck. This resulted in a huge wave of anger, strikes, and Protests throughout Mumbai.

8. Umaji Naik (1791-1832)

An Indian revolutionary from Pune was one of the earliest freedom fighter of India who challenged the British rule in India around 1826 to 1832. He fought against East India Company and company rule. Soon after the fall of Maratha Empire Umaji Raised a tiny army against the British. His anti-British manifesto asked the Country-men to fight against the foreign rulers. To capture him, the British Government announced a bounty of 10,000 rupees Betrayed Nana Raghu Chavan British arrested him, enquired then hold him guilty and hanged till Death on 3 Feb 1834.



9. Prabhakar Kunte (1922-2012)

Joined the Indian National Congress and was active in Quit India movement in 1942, and was Imprisoned by British regime. He was a leading trade union leader And was elected to the



Bombay Municipal corporation. He actively Participated in the Samyukta Maharashtra agitation (1955-1960) And the liberation of Goa (1961).

The True Soldier Fights Not Because He Hates What Is In Front Of Him. But Because He Loves What Is Behind Him.

In today's fast-moving world and tough competitive day-to-day life, the youth hardly find time for remembrance of our rich heritage and past. This becomes most crucial whilst the nation celebrates **Azadi ka Amrit Mahotsav** (commemoration of 75 years of Indian Independence). The fight against colonial rule in India constitutes a unique narrative, one which is not marred by violence. Rather a narrative that is full of variegated stories of valor, bravery, Satyagraha, dedication, and sacrifice across the length and breadth of the subcontinent. These stories compose the rich Indian cultural heritage and traditions.

Conclusion:

The aim of recreating and bringing forth stories, which lay as faded memories of the past, shall serve as a medium of inspiration and encouragement for the coming generations. India 2.0 is not just about fuelling the spirit of India in any one particular paradigm of growth. It encompasses all spheres of life, most of all by enriching our hearts and souls. The spirit of India is incomplete whilst we take our unsung heroes along this journey of growth and development. Their ethos and principles ought to be recalled and respected. They may, at times, be the leaders whose ideals delineate the Indian value system.

Prachi Vaijanath Chinchole

FYBA

THE GROWING IMPORTANCE OF STRATEGIC STUDIES



Through history, India had paid a huge price due to negligence towards security and strategy. To avoid this threat today, defense and strategic Studies have been introduced in various universities and colleges. It is also taught at Modern College, Ganeshkhind and the response of the Students is impressive.

In India, teaching Military Science is not a new concept. However, considering security challenges in the country and complex society, it must be acknowledged that awareness towards National Security is far less as compared to other developed countries. Now, the Government is taking steps to enhance awareness about the topic and many education institutes in India are taking the lead in including this subject in their curriculum.

India has a long tradition of strategic culture. It traced its roots to Mahabharata, Shantiparva, Kautilya's Arthashastra. In Ancient times, there were different kingdoms that flourished

within natural boundaries of the subcontinent. Himalayas in the Northern and Eastern side and Sea from the remaining three sides. As a result of constant invasions from the northwestern front for thousands of years, complex society has emerged. Except for a few, like Kautilya, Chatrapati Shivaji Maharaj; etc security and strategy aspects had hardly been seen in the historical pages. As a result of lack of security perspective, invaders managed to hold this territory for many years. Different invaders including the British have built their empire; one of the reasons was not having a sense of security and strategic view towards the problem.

Today, we are living in a very complex society, where People having different religions, races, languages are staying together. Unity in Diversity is our richness. But at the same time to keep this richness intact forever and to avoid any external or internal threat to the motherland, a sense of security and strategy is of utmost importance. In history, India had paid a huge price due to negligence towards security and strategy. To avoid this threat today, Defence and strategic Studies should be taught at each university in India at the undergraduate as well as post graduate level and research level. Emphasis should be made on government funding for think tanks and the private sector as supposed to play a crucial role in developing strategic culture like think tanks.

Historical Background

The Teaching of Military Science at the undergraduate level was introduced at the University of Allahabad in 1940 at the

initiative of Dr. Amaranth Jha, the then Vice Chancellor. This university was the first in India to introduce such a course. After independence of India, and till 1962 the focus of the defence study had been considered under the purview of political, economic, and military dimensions: The focus of the study was towards 'Peace', 'Independent Policies', 'Development', 'Non Alignment' etc. This focus had changed after 1962, when India faced a humiliating defeat against China in the India-China war. After the 1962 War, more attention was given towards strengthening our overall security apparatus. Not only at the military front, but discussions to introduce this subject in the universities started gaining momentum. Allahabad University, and (SPPU) Pune University started this subject. The seed has now been transformed into a full grown tree. In India, about 70 universities (central, state and deemed) and more than 300 affiliated colleges are conducting the course. Not only Armed Forces institutes and universities but several government and private think tanks are playing a crucial role in the field of security.

Defence and Strategic Studies Department, Modern College

Three years ago, Modern started a dynamic subject in the college named the Defence and strategic Studies. Since then, students are responding and taking admission for the course. Currently DSS is only at the FYBA level and in upcoming years it will be available for SY and TYBA students. Students will get motivation to join armed forces and they will get help in their preparation for UPSC exam. DSS is expanding the horizon of discipline through research and innovation and has inculcated thought-provoking teaching.

In Savitribai Phule Pune University (SPPU), The Department of Defence and Strategic

Studies (DDSS) was established in 1963 as the Department of Military Studies, offering undergraduate courses on military studies. In 1974 the department started post-graduation courses focusing more on research activities. On the recommendation of the Candeth Committee, this discipline has changed the paradigm of teaching and research activity. Subsequently, the name of the department has changed from Military Studies to Defence Studies. In 1984 with the expansion of the scope of the discipline, the name of the department was changed to the Department of Defence and Strategic Studies (DDSS). Since its inception, DDSS has been building up institutional knowledge about various aspects of India's national security.

Job Prospects in Defence Studies

- After clearing the UPSC examination and graduation, one can be recruited as a 'Commission Officer' in the Indian Army, Indian Air Force or Indian Navy.
- After completing Ph.D./Research Fellowship in Defence/Military Studies, one can become a Professor/Lecturer in renowned universities/Institutes in India.
- One can become a Defence Journalist after completing a journalism course and graduation in Defence Studies.

- One can become a Research Officer/Research Fellow/Research Associate

Jobs at Defence Ministry Office

- One can become a School Teacher by completing a Bachelor's degree in Defence Studies and clearing TET/CTET examination.

Prof. Prasad Kulkarni
Defence & Strategic studies

INTERNATIONAL WAR PHILOSOPHERS



Woodrow Wilson

Introduction:

While many of us are talking about international issues or international wars in recent time, so here I am going to explain about internationalism and different theories and thinkers and some organizations related to the internationalism. In this article I will assume a critical perspective of the internationalism. So internationalism is a political principle that advocates greater political or economic cooperation among states and nations. It is associated with other political movements and ideologies, but can also reflect a doctrine, belief system, or movement in itself. Supporters of internationalism are known as internationalists and generally believe that humans should unite across national, political, cultural, racial, or class boundaries to advance their common interests, or that governments should cooperate because their mutual long-term interests are of greater importance than their short-term disputes.

Internationalism has several interpretations

and meanings, but is usually characterized by opposition to nationalism and isolationism; support for international institutions, such as the United Nations; and a cosmopolitan outlook that promotes and respects other cultures and customs.

Types of Internationalism:

1. Hegemonic Internationalism:

Hegemonic Internationalism is a theory which believes that the world is being integrated based on unequal terms with the dominance of one nation or nation states over others. Colonialism and imperialism are example of this type of internationalism. The example of Hegemonic Internationalism is of more than 200 years where Britain ruled over 70 of what are today nation states. Another example of Hegemonic Internationalism is Tibet under the People's Republic of China in October 1950, the People's Liberation Army entered the Tibetan area of Chamdo, defeating resistance from the Tibetan Army this formalized China's Sovereignty over Tibet.

2. Liberal Internationalism:

An approach based on the belief that, through greater interactions and cooperation, nations and nation state can achieve common goal especially peace and prosperity, the example of the Liberal Internationalism are the United Nations Organization, League of Nations and the group of 8 (G8 Summit).

3. Revolutionary Internationalism:

Revolutionary Internationalism is the belief that conflicts within societies are determined by international factors and alliances the example of the revolutionary internationalism are protesting on the United Nations impact on Egypt and opposition to the United States involvement in the Vietnam war in 1964-1973.

Internationalism Thinkers:

1. Woodrow Wilson (-28th president of the

United States):

(Woodrow Wilson 28th President of the United States of America)

Woodrow Wilson was the first thinker to reconcile nationalism with Liberal Internationalism the concept of liberal internationalism is often associated with former US President Woodrow Wilson, thus sometimes being referred to as 'Wilsonianism'.

President Woodrow Wilson's efforts during

World War I promoted collective security, democratic self determination, free and open trade; meanwhile international institutions introduced liberal internationalist ideas into the system. Wilson continued this push at the Paris Peace Conference and he was able to convince the conference to incorporate his Fourteen Points into the peace treaty.

(14th points program of Woodrow Wilson)

Rohit Pradhan

MA

युद्धानंतरचे नवे जग



रशिया व युक्रेन यांच्या युद्धामुळे असुरक्षित विश्वरचना आकाराला येत आहे. रशियाच्या आक्रमणानंतर, चीनने उदया तैवानसारख्या छोट्या देशावर आक्रमण केल्यास यांना रोखणार कोण ? आंतरराष्ट्रीय संघटनांची भूमिकाच निष्क्रिय झाली आहे. जगात नव्याने गंभीर चिंतन होण्याची गरज आहे..

रशिया आणि युक्रेन युद्ध सुरु होऊन बरेच महीने लोटले हा संघर्ष शीतयुद्धोत्तर विश्वरचनेचा आणि ती विश्वरचना ज्या विचारांवर आधारित होती, त्यांना धक्का देणारा ठरला आहे. शीतयुद्ध संपल्यावर जागतिकीकरण आणि आर्थिक जागतिकीकरण या प्रक्रियांना वेग आला. प्रत्येक देशाने आपल्या परराष्ट्र धोरणात आर्थिक हितसंबंधांना प्राधान्य दिले. अनेक देशांनी आर्थिक उदारीकरण अवलंबले. राष्ट्रांचे परस्परवलंबन वाढले. देशादेशातील व्यापार वाढला याच काळामध्ये अनेक नवनवीन व्यापारसंघ तायार झाले ते काही देशापेक्षाही बलवान झाले. अनेक देशांमध्ये राजकिय तणाव असूनही, आर्थिक सहकार्य मात्र अबाधित विकसित होत राहिले. अमेरिका आणि चीन यांच्यात राजकिय संघर्ष असूनही, द्विपक्ष व्यापार सातशे अब्ज डॉलरचा आहे. आज चीन हा भारताचाही सर्वात मोठा व्यापारी भागीदार आहे. आर्थिक हितसंबंध, आर्थिक वैश्विकरण आणि आर्थिक अवलंबन या गोष्टींना प्राधान्य मिळेल, असे वातावरण निर्माण झाले. परंतू रशिया युक्रेन युद्धाने याला छेद दिला युद्ध कालबाह्य झालेले नाही हे. दाखवून दिले आर्थिक सहकार्य व युद्ध एकदम सुरु राहतील, म्हणजे एकाच वेळी सहकार्य आणि संघर्ष हे प्रवाह चालू राहतील. हा संघर्ष इतका चिघळेल, याची कल्पना रशियालाही

नसावी युरोपमध्ये युक्रेनची संरक्षणव्यवस्था तिसऱ्या क्रमांकाची असली तरी रशिया समोर ती तोकडी आहे, यामुळे आठवड्यात युक्रेन जिंकून तेथे सत्तांतर घडवता येईल, अशी पुतिन यांची अटकळ होती. तसे घडले नाही अमेरिका व नाटो कडून युक्रेनला मिळणाऱ्या मुदतीमुळे ही हा संघर्ष चिघळत आहे. ते अमेरिकेला हवेच आहे. तथापि, या युद्धाचे स्पष्ट परिणाम जगभर जाणवत आहेत आणि काही धोक्याचे प्रवाह ही दिसत आहेत.

सर्वात महत्वाचे म्हणजे, जगाचे पुन्हा धुवीकरण होत आहे. संयुक्त राष्ट्रसंघात रशियाविरोधात ३५ ठराव झाले. त्यांना पाठिंबा न देणारी अनेक राष्ट्रे आहेत. यामुळे रशियाला खलनायक ठरवण्यात अमेरिका आणि युरोपीय देशांना यश येत नाही. दुसरीकडे अमेरिकेच्या आर्थिक निर्बंधांनाही यश येत नाही. युरोप रशियाकडून तेल व नैसर्गिक वायू विकत घेत आहे. भारतही तेल विकत घेत आहे. हे निर्बंधही कुचकामी ठरत आहेत. या युद्धामुळे देशांतील परस्पर अविश्वास वाढत आहे. उद्या अमेरिका आणि युरोपने आर्थिक निर्बंध घातलेच तर, पर्यायी व्यवस्था काय असा विचार आपण व इतरही अनेक देश करीत आहेत. युक्रेन-रशिया संघर्षानंतर अमेरिकेला महासत्ता म्हणायचे कि नाही असा प्रश्न आहे. एकूणच रशिया युक्रेन युद्धानंतर असे अनेक प्रश्न नव्याने निर्माण होणार आहेत.

वैष्णवी खोमणे

FYBA

चीनविरोधातील व्यूहनीती



पाकव्याप्त काश्मीरच नव्हे, तर अकसाई चीन आणि पाकिस्तानने १९६३ मध्ये चीनला बहाल केलेले शाक्सगम खोरेसुद्धा चीन बळकावू पाहत आहे. कोरोना साथीमुळे जगभर चीनची निंदानालस्ती झाल्यामुळे कमकुवत बाजू असलेल्या चीनला खिंडीत गातून मोदी सरकार तीन प्रदेश आपल्या हातून हिसकावून घेणार, या धास्तीने चीनला पछाडले आहे. भारत सरकारने कलम ३७० व ३५ अ रद्द केल्यामुळे चीनचा तिळपापड उडाला आहे. आज अमेरिकाही चीनसमोर उभी आहे. १९५९ मधील परिस्थितीच थोड्या फार फरकाने अस्तित्वात असल्याचे चीन सरकारचे आकलन असावे. शाक्सगम खोरेच नव्हे, तर पाकव्याप्त काश्मीर व अकसाई चीन भारताच्या ताब्यात आले तर या प्रदेशातील भूराजकीय समतोल

पाकिस्तानलगतच्या सीमारेषेवरील पाक सैन्याकडून होणाऱ्या हालचाली या चीनच्या आदेशाने होतात. हे वेगळे लिहिण्याची गरज नाही. एकदा का चीनला गप्प केले. तर पाकिस्तानही गप्प होणार आहे. त्यामुळे सध्या तरी भारतीय राजनिती तज्ज्ञ आणि लष्कर चीनला वेसण घालण्याच्या व्यूहरचनेत व्यग्र आहेत.

आपण जर बघीतले तर लक्षात येते की वाटाघाटीच्या टेबलावर एक भूमिका घ्यायची; पण जाहीररीत्या मात्र आक्रमक भूमिका घेण्याचे चीनचे तंत्र राहिले आहे. सप्टेंबर ११, २०२१ रोजी चीनचे मुखपत्र ग्लोबल टाइम्स मध्ये हू शीजिन यांनी लेख लिहिला आहे. यावरून तज्ज्ञांच्या भुवया ताणल्या गेल्या आहेत. हू शीजिन म्हणतात, “की चीनच्या जनतेने आपल्या हितासाठी छेडल्या जाणाऱ्या युध्दाला अत्यंत धैर्याने व संयमाने सामोरे जावे आणि त्याची जी असेल ती किंमत चुकती करण्याची तयारी ठेवावी.” या विधानाचा अर्थ स्पष्ट आहे, की चीन सरकारने आपल्या जनतेच्या मनोनिग्रहासाठी प्रचारयंत्रणा राबविण्याचे ठरवले आहे. अर्थात, एका बाजूला अशी युद्धाची तयारी करायची, पण युद्ध छेडल्याचा ठपका मात्र आपल्यावर यायला नको म्हणून सारवासारव करताना हू शीजिन म्हणतात, की जनतेची अशी दृढ तयारी असल्याचे दिसले, तर बाहेरील जग युद्ध टाळण्यासाठी आपल्याला मदत करू शकेल. आपण नैतिकतेच्या बाजूचे आहोते हे जनतेला पटवणे चीनमध्ये अत्यंत महत्वाचे मानले जाते. असे युद्ध लढण्यासाठी जनता पाठीशी उभी राहू शकते, हे जाणून पुढे म्हणतात, की केवळ छेडायचे म्हणून युद्ध खेळले जाऊ नये, त्यात उतरलोच, तर जिंकायची तयारी करूनच आपण सुरुवात केली पाहिजे एक तर शत्रूचा पाडाव करता आला पाहिजे आणि दुसरे म्हणजे आपण जगामधले सर्वाधिक शक्तिमान राष्ट्र आहोत. त्यामुळे नैतिकता सांभाळण्याकरिता या युद्धामध्ये पडलो अशी आपल्या मनाची खात्री पटली पाहिजे.

आपल्या विरोधात जाईल अशी चीनला भीती आहे ही भूमी हातातून गेली, तर अत्यंत प्रतिष्ठेचा मानला गेलेला. त्याचा चीन पाकिस्तान आर्थिक कॉरिडॉर (सीपेक) बुडीत खाती जमा होईल इतकेच नव्हे, तर पाकव्याप्त काश्मीरच्या सीमेला लागून असलेल्या अफगाणिस्तानच्या वाखान कॉरिडॉरपर्यंत भारताची सीमा जाऊन भिडेल. भारतात अफगाणिस्तानमध्ये प्रवेश करण्याचा आणि पुढे थेट मध्य आशियापर्यंत पोहोचण्याचा खुष्कीचा मार्ग मोकळा होईल. चीनच्या पोटात त्यामुळे गोळा उठला आहे. म्हणूनच आजसुद्धा चीन ग्लोबल टाइम्सला पुढे करून सीमारेषेच्या बाता करत आहे.

एकीकडे वाटाघाटीला बसल्यावर चीनने जी घुसखोरी लडाखमध्ये केली आहे. तिथून माघार घ्यायची की नाही यावर चर्चेचे नाटक वठवायचे आणि दुसरीकडे १९५९ च्या धमक्या द्यायच्या, याचा अर्थ न समजणारे आज कुणी नाही. भारत १९६२चा राहिलेला नाही. चीनने त्यामुळे पवित्रा बदलला गेला नाही तर त्यांच्या कपाळी कपाळमोक्ष लिहिला जाईल. पाकिस्तानच्या बाबतीत बोलायचे झाले तर पाकिस्तानची मजल मुळातच चीनपर्यंत आहे. पूर्वी अमेरिकेच्या पुढे वाडगे घेऊन बसणारा पाकिस्तान आज चीनपुढे लाळघोटेपणा करत आहे. मदतीसाठी चीन सांगेत, ते करायला पाकिस्तान तयार आहे. त्यामुळे पाकिस्तानलगतच्या सीमारेषेवरील पाक सैन्याकडून होणाऱ्या हालचाली या चीनच्या आदेशाने होतात हे वेगळे लिहिण्याची गरज नाही. एकदा का चीनला गप्प केले, तर पाकिस्तानही गप्प होणार आहे. त्यामुळे सध्यातरी भारतीय राजनितीज्ञ आणि लष्कर चीनला वेसण घालण्याच्या व्यूहरचनेत व्यग्र आहेत.

करण मारुती पवार

FYBA

UKRAINE-RUSSIAN CONFLICT

On 24 February 2022, Russia formally declared war on Ukraine and fired missiles into Ukrainian cities.

Who saw it coming?

Certainly nobody in 2013 when Putin visited Ukraine and said famously "Russia and Ukraine are one country with two government systems". Everyone was overjoyed with the solidarity shown by Putin to the people of Ukraine. Who knew how sinister the thought behind that statement was? That Ukraine was a part of Russia and the second government was an illegitimate one that needed to be forcibly removed!

Well, even when the US was giving out news statements that they were 100% sure Russia would invade Ukraine within the week everyone thought it was a bluff.

Surely the biggest country in the world wouldn't be seeking more land? Surely one of the most fabulously wealthy dictators wouldn't risk losing his power over a mission that most Russians didn't even want?

Well Wrong and Wrong

Putin did invade Ukraine and kept increasing the scale of the attack and atrocities over the course of a month!

Even when the war did start, no one could've imagined how far a dead dream of one man could go..

The relentless and ever increasing sanctions, the public condemnation all over the world, the economic blockades: nothing has affected Putin in any way. Even as I'm writing this article the war drags on. Independent polls had put Putin on around 90% favorability before the war. That is a massive deal. Now as the disastrous war and sanctions begin to deflate the economy, you'd imagine that every Russian could see this foolishness and protest against it on the streets. Yet once again, I believe you would be wrong. That is the power that crafty dictators have, they make the

citizens believe that every decision they make is correct and indisputable. They hold power over the minds of citizens as well. Yet the fact that dictators are not gods and therefore are wrong sometimes. They refuse to see it which means the wrong policy is strictly and catastrophically carried out.

Stalin's collective farming idea that killed 3 million people due to famine, Mao's "great leap forward" plan that starved 15 million of the Chinese population to death or Idi Amin's exodus of Asians that led to utter collapse of the then booming Kenyan economy. The list goes on and on of dictators having purely terrible ideas and having them strictly carried out.

We need to realise that democracy is the best form of government. We have right now and dictatorship is a thing best left in the past. We must never believe anyone who has the ability to make only good decisions all the time. Democracy has its flaws but the down sides of having a dictator are much higher. Sure it would be great to have an absolute leader who is always doing good but such a person does not exist. Even if a person was exceptionally good at making right decisions we should not make leadership hereditary i.e. have kings because there is no guarantee that his child would be able to do that at all.. History is full of examples of incompetent princes. The arguably competent kings themselves might go loony at anytime and no one would dare oppose him as has happened with Putin which is why we should never have leaders "for life". By avoiding such wishful thinking we can prevent many disasters.

Abhay Mansukh Chavda

FY BSc CS



WOMEN IN WAR-TWO SIDES

SHE saved lives and nursed people back to health
SHE sees her people die before her very eyes
SHE knits uniforms to keep soldiers warm
SHE looks for clothes to cover herself
SHE encourages people to give their wealth
SHE begs for the basic necessities
SHE runs to the battle field, gun in hand
SHE runs far away from the shelling till her legs give way
SHE wears a uniform with pride, as a mechanic, a supplier
SHE hides from the uniform, from the predators, the occupiers stealthy as a spy,
SHE aids the French resistance Stealthy as a spy,
SHE steals to keep her children alive
SHE goes to work with pride, for her country she serves
SHE has to sell herself to keep herself alive
SHE works to be alive no matter on what side of the line
SHE/ has to survive.



Captain Lakshmi Sahgal with Netaji Subhashchandra Bose

Jwalanthi V Sundaram
SYBSC

कारगील के योद्धा

अधिकार जताने की साजिश को
कुछ ऐसे नाकाम किया
घर मे आये दुश्मन का
वीरों ने काम तमाम किया ।

होगा अपना कश्मीर जिसने
ये ख्वाब सजाया था,
मांग रहा था माफी उस दिन
वो घुटनो पर आया था ।

शायद उसने सोचा होगा
हिंदुस्तानी डर जाएंगे लड़ने
कि खातीर न कभी वो
अपने कदम बढ़ाएंगे ।

मगर हमारे योद्धाओं ने
उन्हें ऐसी धुल चटाई
कुछ ही दिनो मे उनकी
थी अक्ल ठिकाने आई ।

लड़ते-लड़ते शहिद हुए
भारत माँ के कुछ लाल
अंत समय तक बने रहे
भारत माता की ढाल ।



विवेक भारती
SYBCOM

FUTILITY OF WAR



The word futility means uselessness. So the meaning of futility of war is uselessness of war.

Life is too short to love, but we are busy fighting with each other. What are the reasons behind a war? Just to prove that one country is more powerful than another. That the country's ultimate aim is to have control over everything! But, the general public, behind this power politics are the who ones suffer? Common people suffer who actually have no role in this power game. Still, they are the ones who are forced to to leave their homes, they are the ones who become jobless.

Wars serve no purpose. There is a huge loss of life and property and it benefits neither of the countries involved. People lose their loved ones. Thousands of soldiers die, just because of the greed and power ambition of few people. The irony is such that not even a single politician, ruler or dictator dies in these wars, but lives of thousands of innocent people are destroyed. In the first world war 20 million people died and 21 million were wounded. Out of which 9.7 million were military personnel and about 10 million were civilians. These

were the casualties of first world war, not to mention the economic depression and famine which followed afterwards. It took many years for the countries to overcome from the aftereffects of first world war.

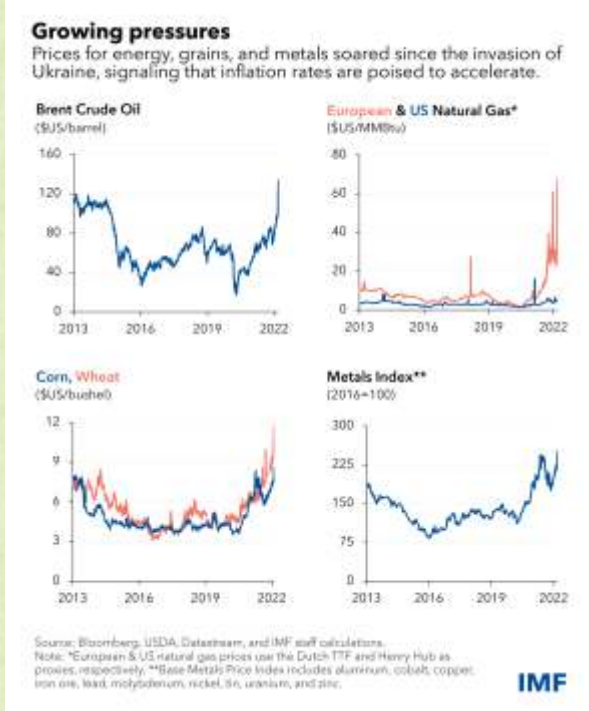
The countries of second world war were even more horrifying than the first world war. As estimated total of 70-85 million people

died. Deaths which were caused directly by the war were about 50-60 million, with an additional estimated 19-28 million deaths from war-related disease and famine. These are the ghastly figures from the second world war. Even today, the world is not able to totally recover from the damage caused by the second world war. The world has already experienced two very devastating world wars. But still people are turning a blind eye towards the after effects of war. The ongoing Russia - Ukraine war is the best example of this. From the two world wars and every other wars fought in the world we conclude that, wars are just pointless and serve no purpose. They never lead to growth and prosperity. It is very important for us and the world to understand that only love, compassion, fellowship, sensitivity and tenderness can help creating a harmonious and happy society, whereas greed, hatred, hunger for power, and war will only lead us one step closer to the destruction of humanity.

Gauri Upadhye

SYBA

रशिया युद्धेन युद्ध आणि त्याचे परिणाम



सध्या चर्चेत असलेले रशिया, युद्धेन युद्ध हे जागतिक स्वरूपात चिंताजनक असले तरी त्यावरील होणारे प्रत्यक्ष व अप्रत्यक्ष होणारे वाईट परिणाम. आर्थिक, राजकीय स्वरूपात आपल्याला दिसून येत आहे. ह्या युद्धाचे होणारे वाईट परिणाम आकांक्षा या महाविद्यालयीन नियतकालिकेद्वारे प्रकटीकरण करण्याचा छोटासा प्रयत्न.

विं. दा. करंदीकर यांनी त्यांच्या 'एवढे लक्षात ठेवा' ह्या कवितेतील एका ओळीत त्यांनी असे म्हंटले आहे की,

माणसाला शोभणारे युद्ध एकच या जगी
त्याने स्वतःला जिंकणे एवढे लक्षात ठेवा

-वि.दा. करंदीकर,

खरोखरच आहे माणसाला अधिक गतिशीलता प्राप्त व्हावी म्हणून माणूस हा अप्रत्यक्षरित्या हिंसेकडे वळलेला आपल्याला दिसून येतो. कुठल्याही प्रकारची वंचितता त्याला ही क्रिया करण्यास भाग पाडते. माणूस हा सामाजिक प्राणि असल्यामुळे त्याच्यात असलेली वेगवेगळ्या भौतिक गोष्टीबद्दल असलेली सापेक्षता त्याला काही हिंसक कृत्य करण्यास भाग पाडते.

नुकत्याच चालू असलेल्या रशिया आणि युद्धेन युद्धात आपल्याला हिंसा व दुसऱ्या देशाच्या सैनिका बद्दल असलेली घृणा आपल्याला आज या युद्धाद्वारे दिसून येते. माणूस हा माणसाचा शत्रू झालाय असे आपल्याला दिसते आहे. आज भारतासारख्या काही देशांनी शांती असावी. शांततेत मार्ग काढावे अशी मागणी देखील केली आहे. पण काही महाशक्ती असलेले देश, संयुक्त राष्ट्र संघटना सारख्या संस्था ह्या आपल्याला

कुठेही शांततेचा मार्ग काढतांना दिसत नाही. ह्यावरून एक कळते या युद्धामुळे मानवी जीवनावर वाईट परिणाम झालेला दिसून येतो. तसेच ह्याचा सर्वात मोठा परिणाम जर आपण बघितला तर तो दोन्ही देशावर व तसेच जगावर ह्या युद्धाचा आर्थिक परिणाम झालेला आपल्याला दिसून येतो.

अंतरराष्ट्रीय नाणेनिधी (IMF) ने मार्च मध्ये सांगितले होते की संघर्ष हा जागतिक अर्थव्यवस्थेला मोठा धक्का आहे. ज्यामुळे विकासाला धक्का बसेल आणि किंमती वाढतील. संपूर्ण जागतिक अर्थव्यवस्थेला मंद वाढ आणि वेगवान चलनवाढीचे परिणाम जाणवतील. हे त्याचे परिणाम आपल्याला विद्यमान परिस्थितीत जाणवत आहे.

जागतिक बँकेने आपल्या 'स्प्रिंग २०१२' च्या युरोप आणि मध्य आशियाच्या आर्थिक अहवालात असेही म्हंटले आहे की दोन वर्षात जागतिक अर्थव्यवस्थेला दुसरा मोठा धक्का दिला आणि मानवतावादी आपती ओढवली. युद्धापूर्वीही भू-राजकीय तणाव तीव्र करणे कोविड-१९चे भडकणे सुरुच राहणे. बृहत अर्थव्यवस्थेचे समर्थन कमी करणे आणि पुरवठ्यातील अडथळे यामुळे जागतिक पुनप्राप्ती आधीच कमी होत चाललेली दिसून येते.

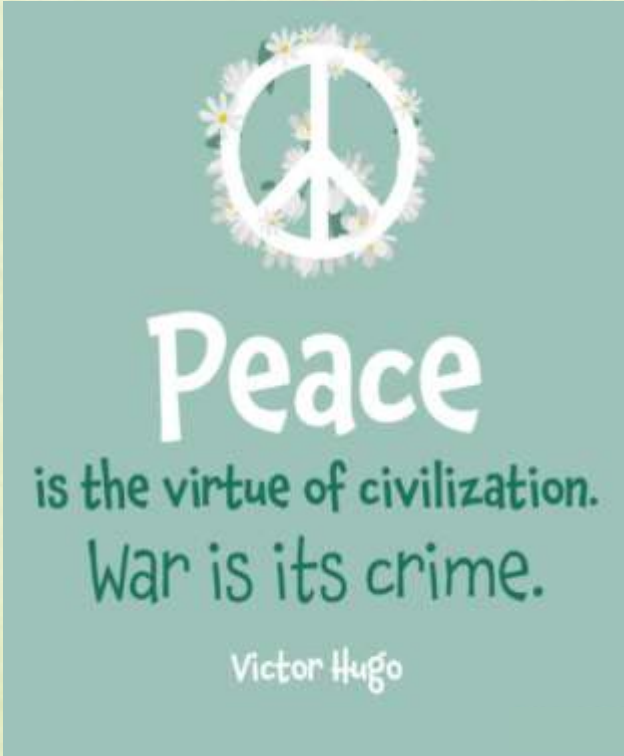
युद्ध प्रांसंगिकतेमुळे निर्माण झालेली जागतिक अशांतता तसेच जागतिक स्वरूपात लोकामध्ये निर्माण झालेली जागतिक आण्विक युद्धाची भिती ह्या सर्व गोष्टीमुळे निर्माण झालेला सामाजिक तणाव याची चिंता सर्वदूर पसरलेली आपणास दिसून येते. लोकामध्ये चिंतेचे वातावरण हे फक्त आपणास राजकीय व आर्थिक पातळीवर असल्याचे आपणास दिसते. पण आजतागायत तिथे असलेली स्थानिक पातळीवरील स्थिती ही चिंताजनक आहे. जसे कि तिथे असलेली वृद्ध मंडळी, लहान मुले, गर्भवती महिला, तिथे आढळणारे स्थानिक प्राणी, वनस्पती इ. ह्या युद्धाच्या प्रकोपामध्ये त्यांची दुर्दशा झाली आहे. ह्या दोन व्यक्तींच्या घेतलेल्या चुकांच्या निर्णयामुळे झालेली देशाची अवस्था ही भौतिक, भौगोलिक, आर्थिक आणि राजकीय दृष्ट्या चिंताजनक आहे.

सेवा व व्यापारावरील जागतिक परिणामाकडे लोकांचे लक्ष वेधले कारण हवाई क्षेत्र बंद, प्रवास, इंधनाच्या वाढलेल्या किमतीमुळे बाह्य प्रवास विस्कळीत झाला. युरोप, पूर्व आशिया आणि उत्तर अफ्रिका आणि दक्षिण आशियातील एकूण जागतिक निर्गमनासाठी रशिया- युद्धेन हे टॉप १० देशांमध्ये आहे, आणि पर्यटन- निर्भर देशांसाठी कमाईचे प्रमुख स्रोत आहेत. तसेच युद्धामुळे आंतरराष्ट्रीय पर्यटनातील साथीच्या रोगानंतरची पुनप्राप्ती थांबण्याची शक्यता आहे, जी सध्या सुरु असलेल्या (COVID-19) व्यत्ययामुळे आधीच अशक्य आहे.

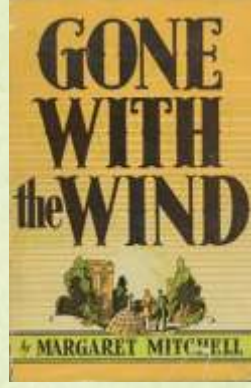
भू-राजकीय (Geo-political) तणावाच्या आणखी तीव्रतेमुळे आंतरराष्ट्रीय पर्यटनात नूतनीकरणात घट होऊ शकते. तसेच ह्या युद्धाच्या परिणामामुळे कर्जवाढ सुद्धा झालेली आपणास दिसून येते. जागतिक स्वरूपात सर्वच लोकांचे या मोठ्या गोष्टी कडे प्रमाणात लक्ष वेधलेले दिसून येते. समाजात मोठ्या प्रमाणात निर्माण झालेली बेरोजगारी ही चिंताजनक आहे. उदा: IT क्षेत्र.

आजच्या विद्यमान परिस्थिती मध्ये अमेरिकेसारखी महाशक्ती सुद्धा युद्ध थांबवण्याचा प्रयत्न करतांना आपल्याला दिसून येत नाही. अमेरिकेसारखा देश आज युद्ध थांबवण्याच्या ऐवजी आपला शस्त्रसाठा युक्रेनला पुरवताना आपल्याला दिसून येतोय. त्यामुळे शांततेच्या स्थिती ऐवजी हिंसा वाढते आहे. तसेच युक्रेन रशिया युद्ध कधी थांबेल, कसे थांबेल हे तर सध्या अंधकारमय वाटते. पण युद्ध हे थांबवण्यासाठी काही बलाढ्य देश, संयुक्त राष्ट्र संघटना सारख्या आणखी काही मोठ्या संघटना तेथे येऊन त्यांनी शांती प्रस्थापित करायला हवी.. कुठे तरी **Net Emmission** भरून दोन्ही देशांच्या भावना समजवून त्याच्या मागण्यापूर्ण कराव्यात व त्या क्षेत्रामध्ये शांती घडवून आणावी. **NATO** सारख्या संघटनेने युद्ध कसे थांबवावे ह्याकडे लक्ष द्यावे **UNHRC** सारख्या संघटनेने स्थानिक पातळीवर होणाऱ्या मूलभूत हक्काचे कश्या प्रकारे हवन होत आहे तसेच विकसीत देश हेही मानवी अधिकाराच्या जतना बाबत खूप काही बोलत असतात पण विद्यमान परिस्थिती मध्ये होणाऱ्या हिंसेबाबत त्यांची भूमिका ही कुठेच दिसून येत नाही आहे. मानवी हक्क कसे परात्म होत आहे. ह्या गोष्टींचा दबाव टाकून युद्ध कसे शांत होईल याकडे अधिक भर द्यावा **ILO** सारख्या संघटनेने युद्धामुळे कश्या प्रकारे लोक बेघर व बेरोजगार झाली ह्याची दखल घेऊन ह्यामध्ये योग्य तो निर्णय घ्यावा. इ. गोष्टी जर घडवून आल्या तर ह्याचा जागतिक पातळीवरही चांगला परिणाम होताना आपल्याला दिसून येईल. व परत तेथील भौगोलिक परिस्थिती युद्ध मुक्त होईल. शेवटी मराठीमध्ये असलेली अतियश सुंदर कवितेची एक ओळ सांगून मी संपवतो. माणसाने माणसाशी माणसासम वागणे.. हेच खूप महत्वाचे

ऋषिकेश रामेश्वर शहाणे



गॉन विथ द विंड - युद्धाच्या पार्श्वभूमीवरील प्रेमकथा



मागरेट मिशेल (१९००-१९४९) ही एक प्रसिध्द अमेरिकन लेखिका होती. तिने लिहिलेली गॉन विथ द विंड (Gone with the wind) ही कादंबरी १९३६ साली प्रकाशित झाली. या कादंबरीला **National book award** आणि **Publitzer Prize** मिळाले आहे. या कादंबरीला प्रचंड प्रतिसाद मिळाला व त्याचे रूपांतरण चित्रपटात झाले. मागरेट

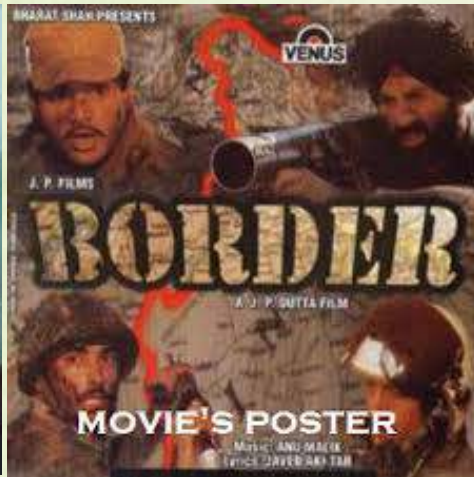
मिशेल ही आधी 'अटलांटा जर्नल' येथे पत्रकार होती. पण तिला असलेल्या पायाचं दुखणं वाढल्याने तिला नोकरी सोडावी लागली त्यानंतर काही काळ तिने घरात बसून काढला. तिचा नवरा तिला रोज एक पुस्तक आणून द्यायचा, त्यानंतर एक दिवस तो रिकाम्या हाती घरी परत आला कारण तिची ग्रंथालयातील काल्पनिक साहित्याची सर्व पुस्तके वाचून झाली होती. तेव्हा त्यांनी तिला स्वतः पुस्तक लिहिण्याचा सल्ला दिला, त्यातून 'गॉन विथ द विंड' या कादंबरीची निर्मिती झाली ही कादंबरी अमेरिकन सिव्हिल वॉर (civil war) च्या पार्श्वभूमीवर आधारित असून, सुंदर व बिंदास्त स्कालॅट ओ-हेरा आणि डॅशिंग योद्धा रेट बटलर यांची कथा आहे. मागरेट मिशेलच्या आजोबांनी सिव्हिल वॉर स्वतः अनुभवले असल्याने, तिने लहानपणा पासून अनेक कथा ऐकल्या होत्या. लेखिकेने खूप अभ्यास व संशोधन करून तिला कादंबरी लिहायला १ वर्षे लागली. कथेतील काही घटना व पात्रे तिच्या जीवनाशी निगडीत आहेत. ३० जून १९३६ साली जेव्हा पुस्तक पहिल्यांदा प्रकाशित झाले तेव्हा एका दिवसात पुस्तकाच्या ५० हजार प्रती विकल्या गेल्या. युद्धाच्या पार्श्वभूमीवर घडणारी ही प्रेमकथा सर्वांनाच खूप भावते.

मागरेट मिशेल आणि तिचा नवरा रहात असलेल्या अटलांटा शहरातील घराचे रूपांतर संग्रहालयात केले. आहे. तिथे लेखिका रहात असतानाच्या सर्व वस्तूंचे जतन केले आहे. तिचा टाईपराईटर देखिल तिथे पहायला मिळतो. तसेच तिची छायाचित्र व माहिती बघायला मिळते. संग्रहालयाच्या एका विभागात आपल्याला 'गॉन विश द विंड' चित्रपटाच्या चित्रकरणाच्या वेळचे जुने व्हिडिओ पहायला मिळतात. तिथे चित्रपटातील ओ-हेरा होम प्रवेशद्वाराचा हॉलिवूड मधील खरा सेट, तसेच स्कालॅट ओ-हेरा चे बटलर मॅशन मधील पोट्रेट देखिन पहायला मिळते. 'मागरेट मिशेल हाऊस' संग्रहालय हे अतिशय सुंदर व माहितीपूर्ण आहे. एकदा तरी सर्वांनी येथे नक्की भेट द्यावी.

युगंधरा जोशी

SYBA

War and Cinema separation and union of societies



worse health conditions. A medium-sized conflict with about 2500 battle deaths reduces civilian life expectancy by a year and increase infant mortality by 10% and malnutrition by 3.3%. Addition about 1.8% of the population loses access to health care.

Most estimate of the World War II casualties indicate around 60 million people died, 40 million of whom were civilians. Deaths in the Soviet Union were around 27

What is War? War is an intense armed conflict between states, government, societies, or paramilitary groups such as mercenaries, insurgents, and militias. It is generally characterized by extreme violence, aggression, destruction, and morality, using regular or irregular military forces. Warfare refers to the common characteristics of types of war, or of wars in general. Total war is warfare that is not restricted to purely legitimate military targets, and can result in massive civilian or other non-combatant suffering casualties.

While some war studies scholar consider war, universal and ancestral aspect of human nature, others argue it is the result of specific socio-cultural, economic or ecological circumstances.

Most wars have significant loss of life, along with destruction of infrastructure and resources. During the Thirty Years War in Europe the population of the Holy Roman Empire was reduced by 15 to 40 percent. Civilians in the war zone may also be subject to war atrocities such as genocide, while survivors may suffer the psychological aftereffects of witnessing the destruction of war. War also results in lower quality of life and

million. Since a high proportion of those killed were young men who had not yet fathered any children, population growth in the post war Soviet Union was much lower than it otherwise would have been.

In all ages war has been an important topic of analysis. In the latter half of the 20th century, in the aftermath of two World Wars and in the shadow of nuclear, biological, and chemical holocaust, more was written on the subject than ever before. Endeavours to understand the nature of war, to formulate some theory of its cause, conduct, and prevention, are of great importance for theory shapes human expectations and determines human behaviour. The various schools of theorists are generally aware of the profound influence they can exercise upon life, and their writings usually include a strong normative element, for when accepted by politicians, their ideas can assume the characteristics of self fulfilling prophecies.

Cinemas tend to portray warrior victoriously overcoming their enemies because of their superior training, ability to think on their feet, improvise, and weaponry. Movies exaggerate these actions to create a sense of amusement and greatness of the warrior. It is solely for

entertainment purpose. This is only from a single perspective, from the perspective of the warrior and not from the perspective of the people who suffered from the loss. Basically they only show war from the positive or the winning perspective, but fail to shed light upon the people who lost. As winning is a positive attribute and the common people tend to relate with the warrior and his victory. But in reality they forget to show the effects of the war from the society point of view.

Normally in stories we have been shown an incomplete picture that is partial to the winning side, in the war as not all heroes are good and not all villains are bad, as we tend to portray them. A hero who conquered a nation or a land might be a great story for the country he originates from, but a tragic story for the land that he looted or exploited. A great example would be the British colonialization on India, for the British it was an achievement, but a great loss for the citizens of India, as we lost our freedom. The Britishers exploited and created a drift between the people, as they appointed many Indians in their army and this caused a separation in the in the social status of people as some people supported the British. During the Independence war we had to fight against our fellow Indians, who were fighting for the British, also creating a lot of discrimination in society. The Indians who supported the British willingly or unwillingly became the enemies to the others.

The British colonization, or how British conquered India was possible only because our nation was never united. The constant Wars between the kingdoms within India created drift between the people in India. Discrimination within our people was a root cause for our divide. The saying "Divide and Conquer" fits perfectly with the situation we faced before and during the British Empire. Because we were divided as a society before the Britishers came to establish their empire and, it was easy for them to conquer India. As

they saw the divide within the country itself it became an easy target for them. Then when they established the rule over us, they divided us more and more which gave them more control and power to rule over the citizens. This went on and on for almost three hundred years. In these years we were divided, and forced to fight against our people, there was a lot of hatred, anger and sadness. In these three hundred years we were mistreated, tortured and enslaved. We lost our independence as citizens of our nation. It took us three hundred years, to understand that when we are united we can win, we can be stronger and we can be and unbeatable and unbreakable.

When we came over the hatred that caused out divide and became united we could fight against the injustice that was inflicted over us. When we truly became, The Citizens of India and not just the people of India we won our independence, our freedom. We became a united society when we had the courage to stand up for us. We had the spark to fight, but we had to be united to ignite the fire within us to fight. This is how the War separated us as a society, but it also caused us to unite and fight.

Lakshita Pagedar

FYBA- C

SHE

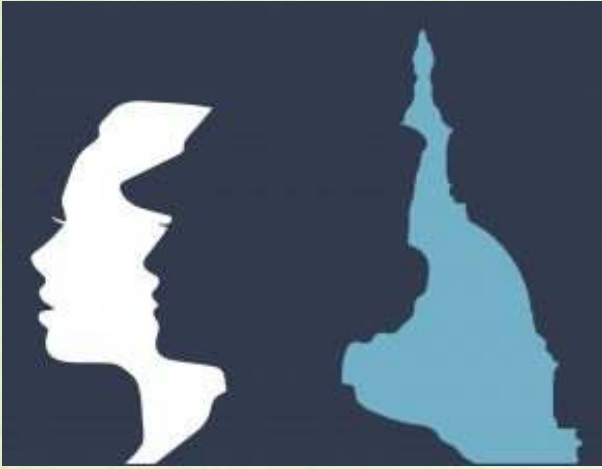
She knows: at the end, she'll be alone.
So, she found peace in her own storms.
She won't shine in the way,
but she'll not let herself fade away.
She is lost now,
but one day she'll find herself in her own way.

At the end she believes herself.

Singh Pooja

MSc1, biotechnology

BENEFITS OF WAR FOR WOMEN



Women have worked in the agricultural sector since the ancient times and continue to do so. However, the Industrial Revolution in the 18th and the 19th centuries changed the nature of work in Europe and the rest of the western world.

During the 19th century, an increasing number of women in Western countries took up jobs in factories, mills or on assembly lines for machinery or other goods. They also worked as hawkers selling flowers, market goods, etc. In Great Britain, women earned through weaving, embroidery or winding wool, silk, etc.

These women were mostly from the working class. Women from middle class and upper middle-class were not much into work force as doing so was looked down upon. In the U.S., many working women were teachers. They also surprisingly were into iron and heavy works, mining, oil wells and refineries, and held jobs such as lathe worker, gun and locksmith. If they entered the workforce, it was out of necessity.

At the beginning of the 20th century, women were expected to wait until the right man came along, settle down with him and start and care for a family. It was the male population who were supposed to support financially. However, social attitude towards educated women began changing as universities started

accepting them for higher education.

The outbreak of World War I compelled women into workforce as men went to the battlefield. They filled agricultural and manufacturing units on the home front. They also worked as nurses, doctors, ambulance drivers, translators and in rare cases, even on the battlefield. Many women saw this as an opportunity to not only serve their country but also to gain more rights and independence. Note that women still did not have voting rights then.

Nations who could produce more weapons and troops could prevail till the end at the war. Thus, women took roles in the workforce, especially during the war.

In Germany and Great Britain, women were employed in the war labour force to step up their arms production. Many British women also served in uniform in the Royal Navy and the Royal Air Force. In the U.S., as women took up men's jobs, African American women also could shift from domestic employment to work in offices and factories. Women worked as ammunition testers, switchboard operators, clerks, stock takers. Women from traditional roles contributed by canning food for future use, growing vegetables in the backyard, and limiting consumption of meat and wheat. The Red Cross and many other organisations depended mainly on female volunteers who operated for war casualties in the form of nurses, many of them who died while serving in the war. Many women doctors operated near the frontline providing medical care for soldiers wounded in combat.

Many women police officers also worked during World War I patrolling public areas, such as railway stations, streets, parks and public houses. They began working as bus conductors, ticket collectors, porters. Working together in large numbers opened up new opportunities for recreation through encouraging sports. Many ammunition

factories developed their own ladies' football teams and their matches drew large crowds.

Post war, although most of the women had prove that they are equally skilled to do the jobs, there was pressure from the returning troops of men from war who wanted their jobs back. Thousands of women lost their jobs after the ex-soldiers returned. In 1919, almost all British women were registered as unemployed. Similar was the condition in America and several other European nations.

In many ways, the story of women's employment during WWI was repeated during WWII. Despite their success in ammunition industries during World War 1, stereotypes about women's ability to do men's work' were circulated by the employers and the government. Trade unions expressed their apprehension about men's pay being pushed down and sought guarantee that women's wartime work would only be temporary. However, the needs of the wartime economy required women to work. In the December of 1941, the government made mandatory for women to work in the Armed Forces, Civil Defence, or war industries. Leaflets were spread to urge women to participate in the war effort. According to the government figures, women's employment increased during the Second World War from about 26% in 1939 to just 36% in 1943 of all women of working age. Forty six percent of all women aged between 14 and 59, and 90% of all single women between the ages of 18 and 40 were engaged in some form of work or National Service by September 1943.

During the Second World War, women were again employed in factories producing ammunitions, building ships, aeroplanes, in the auxiliary services as air-raid wardens, fire officers and evacuation officers, as drivers of fire engines, trains and trams, as conductors and as nurses. A few trade unions which traditionally served male occupations such as engineering began to include women members as well, during this period. The

debates about equal pay again rose to the surface as women entered occupations which were considered as highly skilled and exclusively for men, such as drivers of fire engines, trams and trains, in metal and shipbuilding industries and engineering. A few limited agreements were reached on women's equal pay that made equal pay possible for women where they performed the same job as men.

By the 1930s the number of women graduating secondary schools increased and there was a greater demand for clerical positions in the work force. Between 1930 and 1950, they began to hold more steady jobs and respectable jobs. The discriminatory and prejudiced institution of marriage bars was abolished. This allowed more married as well as single women to work. Also, there was an increase in demand for office workers so the participation of women's work force increased. By the 1950s, women's expectation for employments began to change as they began going to colleges and taking higher education despite being married. By 1970s, this number increased as women began pursuing professions such as medicine, law, business and dental. During this period, more and more women attended college and were employed at the age of 35 as opposed to past generations.

Today, about 57% of labour force participation is of women. Though the World Wars obviously resulted in violence and a lot of bloodshed, it gave opportunity for women to work outside of their homes and this continued after the wars, as it became the need of the nations who had suffered. This brought about a change in the patriarchal system, changing the stereotypical role of women, that had always existed since time immemorial.

Shreya Deshpande

FYBA

REALITY OF WAR AND LITERATURE



The reality of war and cinema is that they are often unrealistic

and glamorized. The result is a heightened sense of suspense in the audience, which makes them want to feel close to the scene unfolding before them. In today's society, we are constantly bombarded by images about terrorism, warfare, and weapons on a regular basis. However if these images were more realistic or showed the consequence that come along with this type of violence, people would be less likely to support it. Wars are generally characterized by extreme violence, aggression, destruction, and mortality,

Although war is one of the oldest ethics, war has existed throughout the ages and has been glorified in the art form of literature, theater, and cinema. The history of civilization reveals many wars fought among groups or tribes since time immemorial. However the advent of cinema and the ease of which it can depict war on the screen has caused this phenomenon to gain a special place in culture. The representation of war in films or photos is also not always accurate, but instead, made with the goal of entertainment moviegoers.

The motive of movie maker is to portray it in the nicest way they can to give an overview of what has happened in the past. The movie till day has presented movies only can try to introduce the reality they haven't revealed. I contradict that the parts we see on the movie is superficially positioned there, as a mere idea how this would have taken place, we all know in movie people don't die like in a battlefield, Soldiers get blown apart with blood and get spilling everywhere, they get mortally wounded and die screaming. The actors act according to the script. The movie will end in an hour or two,

people get influenced become patriotic, impacts of the story may change people's perception towards war. The movies build unity when they share pain maybe an important trigger for group formation. I appreciated the cinema the way they demonstrate and make us feel like I'm in the middle of war, we too feel the anger against the antagonist in the movie. There is a very huge gap in both "Reality is the sum or aggregate of all that is real or existed within a system as opposed to that which is only imaginary, but the cinema has cut to a thin line in reel and empathize the reality in the best way someone could.

There is plenty of authority for the view that in a chaotic and blood-thirsty world, war and the threat of violence are the essential building blocks for peace and stability. "I don't know why nobody bothers to make realistic war movies anymore."

- Stanley Kubrick

Manish M Oraon

FYBA



इवल्याशा मेंदूत किती अविचार भरले जातात,
जातीपासून झेंड्यापर्यंत कसे लोक येतात.

शेताच्या बांधापासून देशाच्या सिमेचा एकच वाद असतो,
काहीना देशसेवा तर काहीना माणसे मारण्याचा नाद असतो.

पोटाच्या पोराला शहीद झाल्यावर कशी कुरवाळेल आई,
नेते भेट देऊन जातात. म्हणतात काळजी घ्या तार्ई.

सीमा ओलांडून आत कोणी मोकळं घुसलं आहे,
समजून घ्या आपलंच कोणी त्यांच्यात बसलं आहे.

इथे पोटाच्या भुकेपासून नोकरीची झालीय व्यथा,
राजकारण इज इकल टु दहशतवाद हीच झाली प्रथा.

धर्म, जात सोडून चला, हा विचार ज्याला कळाला,
समजून घेईल लेखणी, कवितेला खरा न्याय मिळाला.

प्रमोद योरपडे
MSC, Chemistry

WAR AND LITERATURE

Bhagavad Gita: A Righteous War Literature?

The literature of War takes a wide variety of approaches in its efforts to comprehend the war experience and encompasses scholarship on a number of genres, including poetry, drama, short stories, novels, journals, diaries, oral histories and letters.

Generally, literature glorifies the war as it depicts the victory of gallant soldiers from merciless nemesis. It manifests the conquest of goodness, morality, virtue over evilness, wickedness, and corruption. However, literature has wide purview that says war brings doom and destructions. It snatches away the beauty of land, the wealth of nation and the livelihood of common citizens.

Hinduism, like most religions, believes that war is undesirable and avoidable because it involves killing fellow humans. However, it recognizes that there can be situations when waging a war is a better path than tolerating evil. Does that mean Hinduism glorifies war?

One of the biggest battle fought on the land of 'Bharat' is the kurukshetra war also called the Mahabharata War, described in the Indian Epic poem "The Mahabharat". It is also the event that laid the foundation for the Hindu sacred text of "Bhagavad Gita".

The Gita is set in a narrative framework of a dialogue between Pandava Prince Arjuna and his guide and charioteer Krishna, the supreme personality of God head. At the start of the Dharma Yuddha (the righteous war) between Pandavas and Kauravas, Arjuna is Preoccupied by a moral dilemma and despair about the violence and death the war will cause in the battle against his kin. The story of Arjuna, the fabled bowman of the Mahabharata, bring out lord Krishna's view of war in the Gita. Krishna drives Arjuna's chariot drawn by white horses



into the centre of the battlefield between the two armies. This is when Arjuna realizes that many of his kings men and old friends are among the ranks of the enemy, and is appealed by the fact that he is about to kill those he loves. He is unable to stand there any longer, refuses to fight and says that he does not "desire any subsequent victory, kingdom or happiness." Arjuna questions, "How could we be happy by killing our own kinsmen?" Arjuna seeks Krishna's council whose answers and discourse constitute the Bhagavad Gita.

Arishna in order to persuade him to fight, reminds him that there is no such act as killing. He explains that the "atman" or soul is the only reality; the body is simply an appearance, its existence and annihilation are illusionary. Krishna counsels Arjuna to "fulfill his kshatriya (warrior) duty to uphold the "Dharma" through selfless action." The Krishna- Arjuna dialogues cover a broad range of spiritual topics, touching upon ethnical delimmas and philosophical issues that go far beyond the war Arjuna faces.

"...If you are killed in the battle you will ascend to heaven. On the contrary if you win the war you will enjoy the comforts of earthly Kingdom. Therefore, get up and fight with determination....with equanimity towards happiness and sorrow, gain and loss, victory and defeat, fight. This way you will not incur any sin." - The Bhagavad Gita

Krishna's advice to Arjuna forms the rest of the Gita, at the end of which, Arjuna is ready to go to war. This is also where Karma or the law of cause and effect comes into play. Bhagavad Gita does not strictly fall in the realm of good and bad. Gita dwells with the region of knowledge that is beyond the pairs of opposite - the good and bad, the right and the wrong.

Gita is not a religious text, but a spiritual advice. Where all the religious end, spirituality begins. When we look at Bhagavad Gita in this way, our actions will be free from attachments and the conflicts of our life are easily dealt with. As it happens to Arjuna at the end of Bhagavad Gita, we too get the clarity to take our own decision in the battle of life. Krishna simply says "do as you wish" to Arjuna at the end of all the discussions and Arjuna says he is now free of all tensions and worries and is ready to fight. Let us take the message of Bhagavad Gita in the right spirit and be ready to deal with life appropriately.

The Gita's call for selfless action inspired many leaders of the Indian independence movement including Bal Gangadhar Tilak and Mahatma Gandhi, the latter referring to it as his "spiritual dictionary". In his essay "Peace, War and Hinduism" Raj Mohan Gandhi goes on to say "if some Hindus claimed that their ancient epic, The Mahabharata, sanctioned and indeed glorified war, Gandhi pointed to the empty stage with which Epic ends to the Nobel or ignoble killing of almost everyone of its vast cast of character- as ultimate proof of the folly of Revenge and violence and to those who spoke, as many do today, of the naturalness of War, Gandhi's reply, first expressed in 1909, was that" war brutalizes men of naturally gentle character and its path of Glory is red with the blood of murder" to sum up, war is justified only when it is meant to fight evil and injustice, not for the purpose of aggression or terrorizing people. According to Vedic injunctions, aggressors and terrorists are at once to be killed and no sin is incurred by such annihilations.

"The Bhagavad Gita is entirely representational and highly symbolic. There is no real battlefield or fight to be won; the entire text is a representation of the battle that goes on in our minds."

Chandrika Kesharwani

FYBA

माणसाने माणसाशी माणसासम वागणे...



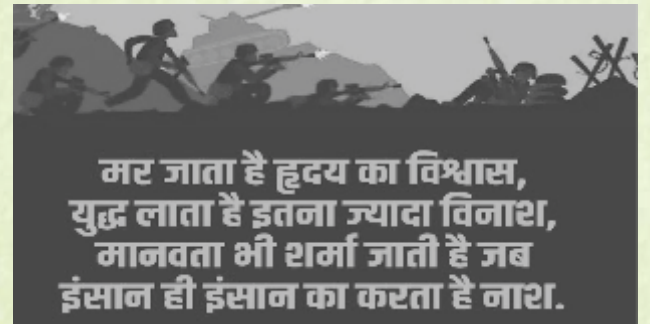
सर्वाधिक उच्च १३००-१४०० ग्रॅम एवढे वजन असलेल्या इवल्याश्या मानवी मेंदूत सुविचारांसोबत अविचारांची ही लागण होत आहे. विज्ञानाने जेवढी प्रगतशील विचारक्षमता निर्माण केली. तेवढीच अविचारी प्रवृत्ती ही सोबत वाढीस जात आहे. एकाच रक्तपेशीपासून बनलेला माणूस आज जातीवादात अडकला आहे. भगवा हिरवा, निळा, विविध झेंडे धर्माच्या नावाखाली मिरवले जात आहे. श्वेत रंगाचे पांढरे झेंडे कुठेही प्रबोधनात दिसत नाही. शांततेचे आचरण घडत नाही.

निसर्गानेच निर्माण केलेल्या नैसर्गिक साधनसंपत्तीपासून सुरु झालेला वाद आज देशाच्या सीमेपर्यंत जाऊन पोहोचला आहे. देशसेवा बाजूला सारून दहशतवादी प्रकोप वाढत आहे. सीमेवर लढणारे असंख्य सैनिक एकीकडे देशासाठी लढत आहेत तर दुसरीकडे आतंकवाद्यांचा विद्रोह वाढतो आहे. जेव्हा सीमेवर गोळीबार होतो तेव्हा कित्येक बायका विधवा होतात, कित्येक माता पोटचा मुलगा गमावतात, भ्रष्टाचार आणि राजकारण यामध्ये राजकीय पुढारी फक्त आश्वासन देतात, बेरोजगारी वाढते आहे. पोटाच्या भुकेचा रोजचा प्रश्न वाढतो आहे. नोकरीची व्यथा कुठे थांबत नाही, या समस्या मागे पडून देशातील दहशतवाद वाढीस लागला आहे. पैसा आणि मालमत्ता याची हाव माणसाला सुटत नाही, माणूस माणसाचा आधार होण्याऐवजी शत्रू बनला आहे.

विकसनशील देशात शिक्षणाचा उपयोग आता झाला पाहिजे, विचारांतील विद्रोह थांबला पाहिजे धर्म, जात, राग, द्वेष सोडून प्रत्येकाला माणूस कळला पाहिजे लेख, कविता, नियतकालिके यातून आता तरी माणसाला माणूसकीचा खरा धर्म कळला पाहिजे.

रक्षक अण्णासाहेब नेहे

MSC



अमृत महोत्सवी वर्षातील आव्हाने प्रगती आणि पुढील वाटचाल

“जयघोष स्वातंत्र्यदिनाचा
अभिमान गौरवशाली भारताचा
सोहळा भारत देशाच्या स्वातंत्र्याचा
अमृत महोत्सवी वर्षाचा.”

१५ ऑगस्ट १९४७ रोजी भारताला ब्रिटिश साम्राज्यातून स्वातंत्र्य मिळाले. यावर्षी १५ ऑगस्ट २०२२ रोजी आपल्या देशाच्या स्वातंत्र्याला ७५वर्षे पूर्ण होते. याच क्षणाला अजरामर करण्यासाठी आणि स्वातंत्र्य लढयाची आठवण करून देण्यासाठी पंतप्रधान नरेंद्र मोदी यांनी स्वातंत्र्याच्या अमृत महोत्सवाची सुरुवात केली.



कवी कुसुमाग्रज यांनी केलेल्या या आवाहनाचे सार्थक होण्यास १५ ऑगस्ट १९४७ चा दिवस उजाडला पक्षी पिंजऱ्यातून उडाला. स्वातंत्र्याची रम्य प्रभात झाली. असंख्य

बलिदानांचे सार्थक झाले आणि भारताला पारतंत्र्यातून मुक्तता मिळून स्वातंत्र्य मिळाले. बघता बघता स्वातंत्र्याचा प्रवास ७५ वर्षांचा होत आहे. आज आपण भारतीय स्वातंत्र्याचा अमृत महोत्सव साजरा करीत आहोत. एखादया राष्ट्राच्या जीवनात ७५ वर्षांचा कालखंड हा जरी फार मोठा टप्पा नसला तरी राष्ट्रातील नागरिकांच्या जीवनात स्वातंत्र्याची ७५ वर्षे पूर्ण करणे अनन्यसाधारण महत्त्वाचे आहे.

स्वातंत्र्याच्या अमृत महोत्सवात आपली स्वातंत्र्याविषयी कोणती स्वप्ने होती? स्वातंत्र्याकडून आपल्या कोणत्या अपेक्षा होत्या? आज सत्य काय आहे? कुठे होतो आपण आणि आता कुठे आहोत...? उणिवा काय राहिल्या आणि आता भविष्यात कशी पावले उचलावी लागतील? याचा विचार आपल्याला करायला लागेल. स्वातंत्र्याच्या अमृत महोत्सवात आपण काय कमावलं आणि गमावलं? याचे सिंहावलोकन करण्याच्या टप्प्यावर आपण येऊन पोहोचलो आहोत.

भारत हा नैसर्गिक साधनसंपत्ती आणि खनिज समृद्ध देश आहे. माथी हिमालय उभा आहे. पायी सागराच्या लाटा लोळण घालत आहेत. देशातून देशातून गंगा- गोदावरी, ब्रम्हपुत्रासारख्या रक्त वाहिन्या वाहत आहेत. निर्जीव पक्षी आकाशी भरारी मारतो आहे. सैनिक आणि जवान डोळ्यात तेल घालून देशाची सीमा रक्षण करत आहेत किसान लोकराज बनला आहे. आपल्या देशाला शिमला, कुलु, मनाली. उटी सारखी समृद्ध स्थळे लाभली आहेत. एकूणच आपला भारत देश 'सुजलाम सुफलाम' आहे.

आपल्या देशाला पौराणिक आणि ऐतिहासिक संस्कृतीचा वारसा लाभला आहे. अनेक जाती, धर्मांचे, भाषांचे लोक येथे गुण्यागोविंदाने एकत्र नांदत आहेत. संत ज्ञानेश्वर, संत तुकाराम, संत कबीर यांच्या सारख्या थोर संतांची भूमी असलेल्या आपल्या देशाची संस्कृती आज जागतिक पातळीवर सर्वश्रेष्ठ संस्कृती मानली जाते. भारत एकाच वेळी अध्यात्मान आणि विज्ञानातही अग्रेसर होत आहे. अनेक खेळ प्रकारात भारताने जागतिक दर्जाची कामगिरी केली आहे. स्वातंत्र्याच्या अमृत महोत्सवात गेली ७५ वर्षे साहित्य कला क्रीडा, संस्कृती या क्षेत्रामध्ये

नामवंत लेखक, साहित्यिक व कलावंतांनी आपला अमीट ठसा उमटवला आहे. पण असे असले तरी एकीकडे प्रगती होत आहे आणि दुसरीकडे अनेक गोष्टी आप ल्याला वेदना देत आहेत. स्वातंत्र्यासाठी अनेक शूर वीरांनी ऐन तारुण्यात बलिदान दिले. आपले संपूर्ण आयुष्य स्वातंत्र्यासाठी खर्च केले स्वातंत्र्यासाठी त्यांनी रक्ताचा सडा सांडला. पण आम्ही मात्र रक्ताचा घाऊक बजार मांडला असंकधीकधी उगाचच वाटते. आज चीन पाकिस्तान सारख्या परकीय शक्ती सीमेवर आक्रमणाच्या तयारीत असतात. देशामध्ये दहशतवादी हल्ले होतात. उरी, पुलवामा सारख्या रक्ताळलेल्या आठवणी आपल्याला दुःख देतात. या देशातल्या शेतक ज्याला आपल्या हक्कांसाठी आंदोलन करावे लागते. अनेक गरिबांना एक वेळचे जेवण सुद्धा मिळत नाही स्वर्गासारख्या काश्मीर गुलाबाच्या सुगंधाने दरवळत राहण्याऐवजी रक्तात रंगताना पाहायला मिळतो. धर्माच्या नावावरून जातीय दंगली होतात, तेव्हा स्वातंत्र्याच्या ठिकच्या ठिकर या उडतात. भारत मातेच्या हृदयाचे शेकडो तुकडे होतात. एकाच आईची लेकरे एकमेकांच्या रक्तासाठी तहानलेली असतील तर त्या आईची काय अवस्था होत असेल? या सान्या आक्रमणांमध्ये अतिशय सामान्य माणूस भरडला जातो. जळणारी झोपडी आणि करपणारे रक्त मात्र भारतीयच आहे. हे आपण का विसरतो? हा खरा प्रश्न आहे. भ्रष्टाचाररूपी यंत्रणेमुळे मोठी व्यवस्था पोखरली जाते. रोज मोठ्या अधिकारयांना भ्रष्टाचाराच्या आरोपाखाली अटक होते, तेव्हा ज्यांच्या हाती आपण देशाची प्रशासन व्यवस्था सोपवली आहे. तेच भ्रष्टाचाराने बरबटलेले पाहून असंख्य वेदना होतात. तुरुंगात असताना अनेक गुन्हेगार निवडणुका जिंकतात दरवर्षी मोठमोठे घोटाळे उघडकीस येतात. सामान्य माणसाच्या हक्काची भाकरी गिळंकृत करणारी मंडळी या देशाचे मारेकरी आहेत. सत्यमेव जयते हे ब्रीदवाक्य आपल्या देशाची शान आहे. परंतु अशा दृष्ट प्रवृत्तीमुळे देश शोकग्रस्त होतो. कधीकधी देशासाठी फासावर चढणारे तरुण, अवघ्या चौदाव्या वर्षी शरीरावर गोळी झेलणारे शिरीष कुमार तरुण पाहिले तर आजच्या या तरुण पिढीकडे हस्तांतरित करण्यात आलेल्या स्वातंत्र्याचा अर्थ त्यांना कधी कळेल का? असा प्रश्न पडतो

स्वातंत्र्याच्या अमृत महोत्सवात आपल्याला एक गोष्ट मान्यच करावी लागेल की भारतीय स्वातंत्र्याने आपल्याला खूप काही दिले आहे. परंतु जो असमाधानाचा, असंतोषाचा सूर निघत आहे. त्याला आपणच जबाबदार आहोत. आपली आर्थिक, सांस्कृतिक, औद्योगिक प्रगती झाली..... पण मूल्यांचा -हास होत गेला. म्हणूनच एकीकडे आपण वैज्ञानिक प्रगतीच्या मार्गाने झपाट्याने परिवर्तन करीत आहोत... परंतु त्याच वेळी दुसऱ्या बाजूने वेगाने वाढणाऱ्या भौतिक व अभौतिक समस्यांच्या दृष्ट विळख्यात आपण अडकल्याने स्वातंत्र्याचा श्वास गुदमरतोय, अशी अवस्था झाली आहे. म्हणूनच स्वातंत्र्याच्या या अमृत महोत्सवी वर्षानिमित्त देशातील जनतेला एवढेच आव्हान....!

गौरव हा भारताचा अभिमानाचा -सोहळा स्वातंत्र्याच्या अमृत महोत्सवाचा !

ऐश्वर्या माने
(FY.B.Sc)

करोनाशी युध्द...

२२ मार्च २०२० एक असा दिवस आला
ज्या दिवशी संपूर्ण भारतात जनता कर्फ्यू झाला
निघायचं नाही घराबाहेर! ऐकुन मन हळहळलं
पण जीव धोक्यात घालण्यापेक्षा घरात बसणं परवडलं
संकट हे लवकर टळेल असा अंदाज बसलोच रे धरत
पण हिंमतीपुढे आमच्या कोरोना तुला जावच लागेल परत ॥६॥

कोणी वाजवल्या टाळ्या कोणी वाजवल्या थाळ्या
सगळीकडे तैनात झाल्या पोलिसांच्या गाड्या
घरोघरी नवनवे उजळले कीती तरी दिवे
खिडकीतून आम्ही पहायचो रे स्वतंत्र पक्ष्यांचे थवे
तु नष्ट होशील लवकरच अशी आम्ही अपेक्षा आहोत करत
पण हिंमतीपुढे आमच्या कोरोना तुला जावच लागेल परत ॥१॥

कसलीही भीती न ठेवता लोकांनी केली गर्दी
कोणाला झाला खोकला तर कोणाला झाली सर्दी
मग हातात काठी घेऊन निघाली खाकी वर्दी
तेव्हा कुठे लोक दिसली नेहमीपेक्षा अर्धी
गोरगरीब अन्नासाठी बसले आहेत रे झुरत
पण हिंमतीपुढे आमच्या कोरोना तुला जावेच लागेल परत ॥२॥

कोरोना तु कीतीतरी लोकांना रडवलं
वर्षभर डॉक्टरांना स्वतःशी लढवलं
गोरगरीब मजुरांना इकडून तिकडे पळवले
राजकारणात नेत्यांना एकमेकांशी भिडवलं
तु झाल्याच्या धसक्यानेच लोक आहेत रे मरत
पण हिंमतीपुढे आमच्या कोरोना तुला जावंच लागेल परत ॥३॥

मास्क नसलेल्यांनी रुमालाचा मास्क करून घेतला
सारखा सारखा हात धुण्याचा आम्ही त्रास करून घेतला
प्रत्येक शाळेत त्यांचा विद्यार्थी पास करून घेतला
तुझ्याशी जिंकण्याच्या आम्ही ध्यास लावून घेतला
लढला आहे लढतो आहे जिंकणार आहे भारत
पण हिंमतीपुढे आमच्या कोरोना तुला जावच लागेल परत ॥४॥

नचिकेत रविंद्र सनांसे
TYBSC



खुदा की इस रबी बस्ती में प्यारासा मुल्क हमारा
भारत माता की जय यह जयघोष हमारा !
इन्सानियत की मरूत, अहिंसा की सूरत
इस विश्व में ऐसा प्यारा भारत हमारा !!
वीरोंकी इस बस्ती में वीर तो हैं बहुत
किस किस का नाम ले, औकात किसकी हैं जान ले
आजादी के इस जश्न में तिरंगा तो लहराएगा बहुत
तिरंगे में समां रंग केसरीया याद दिला दे बलिदान की
सफ़ेद में हमेशा शिक्षा अहिंसा की,
न्याय करेगा हरा अपनी पहचान की !

देश की उन्नती है समायी इस पहचान में
याद करो कुर्बानी समां बाँधने की
प्रणाम उन विरोंको जिन्होंने राष्ट्र बनाया
गुलामी से देश को आजाद बनाया !
प्रणाम उन महावीरोंको जिन्होंने
विश्व में भारत का लोहा मनवाया
अब लक्ष है हमारा भारत को फिर से
सोनेकी चिड़िया बनवाना !

आवेदन है उन भटके देशवासियोंको
फिरसे निर्भया कांड न रचाये
इस्तेमाल करे अपनी जवानी
दुनिया में देश की पहचान बनाये!

सुर्यकांत जाधव
SYBCOM

THE LADY IN SAFFRON



I see Swarajya as a woman
 Clad in saffron, walking through
 the streets (Alas only on the 15th)
 She birthed this land
 Her daughter India
 The power of self-rule she
 bestows Not by a magic wave
 But through whispers
 in our minds ideas, thoughts and
 beliefs Of self-governance
 To rid ourselves of foreign rulers
 Fiends in the human flesh
 Take back what's ours
 Like a mother she lets us take the leap
 To look for the courage needed
 And spread the word
 To fulfill our goals
 Our voice to be heard
 Help us be seen
 Make our own decisions
 For Self-Rule, Self-Governance
 And yet for her services she has a price
 A blood oath to the Lord
 The struggle of thousands of people
 The prayers of a million
 Bleed into the colour of her sari 'Kesar'
 Manifesting unto a flag

Silently she observes its hoisting
 Yet today she roams the streets
 Still looking for the fire she ignite
 Years ago, in the hearts of people
 Aimlessly she roams
 In unrepresented streets
 Waiting for their voice
 For we have the democracy
 Yet we are not free Of bad thoughts
 Of toxic ancient ideals
 We have self-rule, but no self-discipline
 For one barely lives for oneself
 Like the blood shared between
 mother and child
 She is a part of our every being
 Encouraging us to look for our own Swarajya
 Our own Freedom and Rule
 Thus, in our Blood flows Swarajya
 And the power it yields
 For every vote matters
 Just like every human being of our country
 Thus, in our Blood flows Swarajya
 and unto whom we bestow her power
 Is in our hands...

Jwalanthi V Sundaram
 SYBA

युद्धातील पोरकं बाळ आणि मी



युद्ध, हा शब्द आठवला की एकविसाव्या शतकात बॉम्ब, दारुगोळे, धमाके हेच डोळ्यासमोर येते. तसं पाहिलं तर काळानुसार युद्धाची परिभाषा बदलत आली आहे. आणि मी माझ्या अभ्यासानुसार हे अगदी निश्चितपणे सांगू शकतो की येणाऱ्या आगामी काळात (भविष्यात) युद्धाची परिभाषा आणखी बदलेलं. आपल्याला माहित आहे की यापूर्वी दोन महायुद्धे झाली; नंतर शीतयुद्ध भारताच्या स्वातंत्र्योत्तर काळातील युद्धे, आताचे रशिया - युक्रेन युद्ध याचा आढावा घेतला तर काय दृष्टीस पडते. मानवी संहार... वाढती स्पर्धा भूमीची अभिलाषा आणि सत्ता.....

आपण आताचा विचार करायचा म्हटले तर संपूर्ण जगात प्रत्येक देश कुटनीतीचा वापर करण्याचा प्रयत्न करतो. या पद्धतीत आर्थिक निर्बंध लादणे, टॅक्स वाढवणे, सायबर अटॅक करणे इ. गोष्टींचा वापर करताना दिसून येतात. बरं... हे सगळं ठिक आहे. हा सगळा अभ्यासाचा विषय आहे. पण एक मानव म्हणून या युद्धाचा विचार करता; हे युद्ध ही स्पर्धा किती भयानक वाटते. आपण कोणत्या दिशेला निघालोय...? याचा अंत काय आहे, माहीत आहे...? ही राष्ट्रे एकामेकांशी असलेल्या वादात स्वतःच्याच विनाशाकडे चालली आहेत. आपल्या सर्वांना पहिल्या दोन महायुद्धांचे परिणाम माहित आहेतच.

या युद्धामुळे सामान्य माणसाचं आयुष्य संपत आहे. लाखो-करोडो माणसे बेघर होत आहेत, मृत्युमुखी पडत आहेत. अनेकांना आपले आई-वडील, भाऊ-बहीण, नातलग गमावावे लागत आहेत. हे सगळं राष्ट्रच्या दृष्टीने ठिक आहे. (देशभक्ती राष्ट्रप्रेम इ.) पण मला तुम्हाला प्रश्न विचारायचाय की एक मानव म्हणून तुम्हाला हे सगळं कितपत योग्य वाटतं? काय... हे असेच चालू राहिले पाहिजे की थांबायला पाहिजे? आपल्या सगळ्यांना माहीत आहे, आज अफगाणिस्तानात काय होतंय ते, तिथे लोकांच्या स्वातंत्र्याला, अधिकार व हक्क यांना काही किंमतच उरली नाही. आहो, जास्त दूर कशाला आताच्या चर्चेतील रशिया युक्रेन युद्धाचेचं पाहु; काय झाले तिथे? रोज टिक्की लावला की रशिया युक्रेन; रशिया युक्रेन चालूच आहे.काय चाललंय काय तिथे? कित्येक लोक देश सोडून पळून गेले, घरेदारे सोडावी लागली. सारे काही उध्वस्त झाले आहे.

मी टिक्की पाहत होतो, युक्रेनमधील सीमेलगतच्या लोकांचे स्थलांतर दिवसेंदिवस वाढत होते. लोकांच्या घरांवर मोठे-मोठे हल्ले होत होते. लोकं भुकेनं व्याकुळ होत होती... कित्येक लोकांना साधं पाणी ही प्यायला मिळत नव्हतं. मला अजूनही रशिया युक्रेन युद्धातील दोन प्रसंग जसेच्या तसे आठवतात. एक म्हणजे सिमेलगतच्या गावांवर/शहरांवर रशिया कडून हल्ले सुरु झाले होते. युक्रेन ही प्रतीहल्ले करत होता. आणि युक्रेनची लोकं भयभीत स्थितीत घर सोडायला लागली. कोणाला या गोळीबारात बॉम्ब हल्ल्यात दुखापत झाली, कोणाचा जीव गेला. ही लोक घरे सोडून जात होती, तेव्हा भारतातील काही समाज माध्यमे तिथे गेली व तेथील मुळ स्थिती (Ground Zero), खरी परिस्थिती दाखवायला सुरुवात केली तेव्हा मी पाहत होतो. ते एका घरात गेले तेव्हा त्या घरातील लोक सर्व सामान आहे त्या स्थितीत सोडून गेलेले; त्या घरात एक ट्रॉफी होती. बहुधा ती ट्रॉफी एखाद्या लेकराचीच असावी, जे की ९वी-१०वी च्या वयात असावे. काय वाटलं काय असेल त्या लेकराला ? त्याला मिळालेल्या बक्षिसाची ती ट्रॉफी असेल. त्याला त्याची आठवण म्हणून ती ट्रॉफीसोबत घेऊन जाता आली नाही. विचार कर शकता तुम्ही की, किती भयानक परिस्थिती असेल! दुसरा प्रसंग. तर हा दुसरा प्रसंग इतका भयानक आहे; की ज्यामुळे संपूर्ण जगण्यावरच प्रश्नचिन्ह उभे राहते !

हा दुसरा प्रसंग म्हणजे - मी एका दोन तीन वर्षांच्या लहान बाळाला टीव्हीवर पाहील. या युद्धात त्याचे आईवडील दोन्ही मारले गेले. ते लहान बाळ रडत-रडत, इतर लोक ज्या दिशेने घर सोडून चालले होते त्या दिशेनेच हे चिमुकलं रांगत, चालत जातं होतं आणि मी ही सगळं दृश्य टीव्हीवर वर पाहत होतो. त्याच्या डोळ्यातले अश्रू थांबत नव्हते, मी ते पाहत होतो... माझ्या काळजात चर्च झालं., जशी आकाशातून वीज कोसळली माझ्या अंगावर. "मला त्या लहान बाळाच्या डोळ्यातलं पाणी विचारत होतं; ते बाळ, ते लेकरु हुंदके देऊन विचारत होतं की, सांग कुठे आहेत माझे आई-बाबा, कुठयं माझं बालपण? अरे! सांग! देवू शकतो का...; माझे आईबाबा परत माझ्या शिक्षणाच काय, माझ्या हक्कांच काय? जे निसर्गाने एक मानव म्हणून दिले आहेत काय? अरे हे सगळं सोड. माझ्या माझ्या उदरनिर्वाह काय? आणि हे सगळं जर तुम्ही देवू शकत नसाल तर; माझ्या आयुष्याशी खेळण्याचा अधिकार तुम्हाला कोणी दिला? मी शांतपणे हे सगळं ऐकत होते, ते हुंदके देत... देत मला प्रश्न विचारत होत....आणि हे सगळं ऐकत असताना माझ्या डोळ्यात अश्रू येत होते, टप... टप... ! थंब पडत होते.

ते मला विचारत होतं की, अरे.. माझे माझ्या शाळेच काय? आजोबांच्या खांद्यावर बसून शाळेला गावाच्या टेकडीवर जायचं त्याचे काय? आजीच्या गोष्टींचं काय..?.. माझ्या डोळ्यांतून पाणी येत होत. माझ्याकडे त्याच्या कोणत्याही प्रश्नाचं उत्तर नव्हतं: माझे अंग अगदी सुन्न पडलेलं होत. ते बाळ माझ्याभोवती किंचाळत होतं, मला जाब विचारत

होतं. ते रडत-रडत मला पुन्हा पुन्हा विचारत होते की, अरे.. सांग सांग

देशील का माझे आईबाबा ? कुठायत माझे ताई दादा ? एवढं सगळे विचारत त्याने मला शेवटी एक विचारलं एक माणूस म्हणून माझ्या जगण्याचे माझ्या अस्तित्वाच काय ? माझ्याकडे यातल्या कोणत्याही प्रश्नांची उत्तरे नव्हती. माझ डोकं या सगळ्या प्रश्नांनी आणि त्या बाळाच्या आर्त हाकेने, चक्रावून गेलं होतं माझ्या तळपायाची आग मस्तकात भिडली, डोळे लालबुंद झालेले. खूप खोलवर विचार केल्यावर एकच उत्तर मला मिळालं की 'जर आपण त्या बाळाचे सगळे काही परत देवू शकत नाही ; तर मग घेवूही शकत नाही. कोणाच्या भविष्याशी आपण खेळू ही शकत नाही. अश्याने आपण येणाऱ्या पिढीला काहीही देवू शकत नाही. जर दिवसेंदिवस हे सगळं वाढत राहिलं तर, अविरत युद्ध होत राहिले तर भविष्यात खूप मोठा धोका निर्माण होईल. संपूर्ण जग नष्ट होईल, आपल्या पुढच्या पिढीला खायला अन् अन्न पिकविण्यासाठी ही जमीन नसेल जमीन या दारुगोळ्यांनी वरचेवर नापीक होत चालली आहे. असेच चालत राहिले तर एक दिवस संपूर्ण जगावर उपासमारीची वेळ येईल. म्हणून आता हे थांबायला हवे.. हा सगळा विचार मी करत होतो, त्या लहान्याच्या रडण्यातून हे सगळं जाणवत होते.

हे सगळं चालू असताना ते बाळं हमसून हमसून रडत होतं... ते शेवटी किंचाळून म्हणालं माझा जीव घेण्याचा अधिकार तुम्हाला नाही. तुम्ही सृष्टीचे पाहुणे आहात : मालक नाही...! असे म्हणून त्याने एका असाहाय्य कजव्या प्रमाणे जीव सोडला.....!! हे बघत असताना मला उमेश चौहान यांची कविता आठवली..

दुनिया का कोई भी बच्चा नहीं जानता

कि लोग क्यों करते हैं युद्ध ?

जबकि इस दुनिया में, कल बड़ों को नहीं,

इन्हीं बच्चों को जीना है।

युद्ध होता है तो, बच्चे ही अनाथ होते हैं,

और आण्विक युद्ध का प्रभाव तो,

गर्भस्थ बच्चे तक झेलते हैं।

बच्चे यह नहीं जानते कि क्यों शामिल किया जाता है उन्हें युद्ध में

किंतु वे ही असली भागीदार बनते हैं, युद्ध के परिणामों के ।

काश ! दुनिया की कौम, युद्धों को इन तमाम बच्चों के हवाले कर

देती और चारों ओर फैले रिश्तों के बारुदी कसैलेपन को

मुसकराहटों की बेशुमार खुशियों में,

हमेशा-हमेशा के लिए भुला देती ।

अविनाश मुरुमकर

SYBA



शेर शिवराज.....

शूर ते बलाढ्य

सैतानाचा करे संहार

सिंहाची ती हुंकार

तेच माझे शिवराय.....

जिजामातेचे आज्ञाधारक

स्वराज्याचे पालन हार

गोरगरिबांचे आधार

तेच माझे शिवराय....

उधळून लावी सर्वे डावपेच

गनिमी कावा हेच खरे हत्यार

दुष्पनाची होई हार

तेच माझे शिवराय.....

भवानी त्यांची तलवार

पलटावून लावती सर्वांचे वार

विकासाचा पताका फडकावे आरमंतात

तेच माझे शिवराय....

आई भवानीचा आशीर्वाद

शिव शंकराचे ते अवतार

मराठी मुलखाचे ते शिल्पकार

तेच माझे शिवराय...

ऋषीकेश पाटील

MSc. Biotechnology

तिरंगा

ऐं मेरे प्यारे तिरंगे
कितने सुंदर गुण हैं तेरे,
वो साहस से भरा केसरी रंग
याद दिलाता है आज़ादी की जंग ।

ऐं मेरे प्यारे तिरंगे कितने
आनमोल गुण हैं तेरे,
वे चौबीस (२४) तीलियों का आशोक चक्र
सीखता है संयम, तब त्याग,
प्रेम, सेवा आदि महत्व' ।

मेरे प्यारे तिरंगे कितने,
श्रेष्ठ गुण हैं तेरे,
एकता का प्रीत दर्शाता है श्वेत रंग

ऐं मेरे प्यारे तिरंगे कितने
बहुमुल्य गुण हैं तेरे,प
समृद्धि और प्रमत्ता प्रगति से भरा हरा रंग
खुशहाली दर्शाता है हर देशवासीया के संग।

ये मेरे प्यारे तिरंगे बनी रहे तेरी ऐसी ही
शान और तू बन जाए
भारत की का अभिमान ।

के. संवेदना

S.Y. Biotechnology

शिवशंभूचे वंशज आम्ही

कीणाला येतसे मारायाला आम्हाला हे बघु तरी,
खांडोळी उडवीन तयाची भिडता आता क्षणोक्षणी

शिवशंभूचे वंशज आम्ही,
अरे कुणा दावीसी मरणभीती,
बाजीरावासम करु पराक्रम शौर्याची ना इथे नुटी

शतपट शत्रू घेतल्या वीना न मरणे हे ठाव अम्हा,
पुन्हा एकदा गिरवू आम्ही बाजीप्रभूंचा पवित्र धडा

संताजी चा वेग पाहूनी शत्रूला थरकाप सूटे,
घोड्यावरती मांड ठोकून गनीम कापत शंभू निघे

जीवनज्योती मावळली तरी पराक्रमाने गगन भरु,
शौर्याचे ही डोळे दिपतील अशी भरारी आम्ही भरु

सामर्थ्य अन पराक्रमाचे दर्शन घडवू
जगती आपल्या शक्तीने
विश्वालाही दाखवू मार्ग आपण अपल्या भक्तीने

पराक्रमाचे घडता दर्शन मोहाची क्षणी गाठ तुटे,
गगन भरारी भरता भरता पुढे विश्व हे नमत झुके

चैतन्य पाटील
SY B Com

WINNING THE
PEACE IS HARDER
THAN WINNING
THE WAR

-Xavier Becerra

जीवन आणि संघर्ष

व्यथा असो आनंद असू दे
प्रकाश किंवा तिमिर असू दे
वाट दिसो अथवा न दिसू दे
गात पुढे मज जाणे
माझे जीवन गाणे गाणे

: मंगेश पाडगावकर

जीवन आणि संघर्ष

जन्मल्यापासून आमच्या गाठीला संघर्ष, जन्मल्यापासून अंगाला शिवलेलं कापड. होय शिक्षण मिळू लागलंच पण सहजासहजी कुठे? आपण प्रगतीच्या दिशेने मार्गस्थ झालेलो आहोत. मात्र अधोगती कायम आहे. आज काळ बदललेला आहे. वेळ बदलेला आहे पात्रही बदललेली आहेत, गरजा मात्र त्याच आहेत आणि पूर्ण होऊ शकत नाहीत. ही शोकांतिका आहे. याची कारणे काय? कारणमीमांसा जे लोक शोधत आहेत, ते कारणेच देत आहेत. मदतीचा हात नाही, भिकेचा दाणा नाही, खिशातला आणा नाही! ज्यांचा जन्म श्रीमंतीत होतो त्यांना हीच जीवनपद्धत लागू होते काय? अर्थातच नाही.

जन्मल्या-जन्मल्यावर सोन्याचा बदाम गळ्यात, हाताला चांदीच्या मनगट्या, पायात चांदीचे वाळे, बापजाद्यांनी कमवलेल्या जमिनी पैसा, प्रॉपर्टी, इस्टेट यापेक्षा अधिक सांगायचं झाल्यास जन्मल्या जन्मल्या मुलाच्या तोंडावर कॅमेरे असतात! प्रसिद्धी असते, प्रकाशझोत असतो ज्या वातावरणातं ही मुले वाढतात त्यांना अधिक काही कराव लागत नाही.

जी मूलं झोपडीत वाढतात शिष्या भाकरीवर जगतात. आपार कष्टातून अंतत हालाखीतून पुढे येण्याचा प्रयत्न करतात. त्यांच्या भाळी प्रयत्नच का? आशेचे किरणच का? ऐश्वर्य का नाही? सुख-सोई का नाहीत? आरामखुर्चीतल्या नोकऱ्या का नाहीत? पैसा श्रीमंती का नाही? होय, गोष्टी प्रयत्नातूनच मिळतात मग कित्येक जण असे होते जे प्रयत्नातच मेले, त्यांच्या प्रयत्नाला यश नको अन् आत्म्याला शांती नको!

काय कारणे आहेत जी नकळत्या, निष्पाप, निरपराध, निष्कलंक बालकांना अनंत कष्टांचं दुःखाचं जीवन देतात, त्याला रस्त्यावर अनाथ रुपात 'भिक्षेकरू' बनवितात. त्याला जगताना दुःखवून, रडवून, चिडवून खिजवून 'गुंड' होण्यास प्रवृत्त करतात.

त्याला शिकताना एकाग्र होऊ देत नाहीत, न्युनगंड वाढवून अज्ञानमूलक बनवतात. सुशिक्षित होऊ देत नाहीत. आखुड, आरुंद स्वार्थी पाशामध्ये बांधून गरिबीत जगण्यासाठी भाग पाडतात. शिक्षण मिळालं तरी रंक दरिद्री जीवन जगण्यासाठी गुलाम बनवतात. का? कशासाठी?

मानवतेबद्दल माया, प्रेम वाटणाऱ्या प्रत्येकाला हे दयनीय जीवन नको वाटत होतं, ज्यातून बालकांचे हाल होतील सामान्यांची हेळसांड होईल, गरिबीत खूप लोक जातील त्यासाठी धर्मसंस्थापना झाल्या, कित्येक राजांना सत्ता निर्माण कराव्या लागल्या, कायदे झाले, संविधान निर्मिती झाली आणि परिणाम काय तर पहिल्यांदा दारोदारी, घरोघरी जाऊन भिक मागावी लागायची आता रस्त्यावर मागितली जाते.

पहिल्यांदा उघड उघड सासूरवास होता. आता लपूनछपून चार भिंतीच्या आत आहे. पहिल्यांदा शिक्षण देण्यास मनाई होती, आता घेणाऱ्याची

परिस्थिती पाहून निर्णय आहे. शिष्यवृत्त्या योजना, अंमलबजावणीतच शोभतात! त्याला पन्नास कागदपत्रांची अट आणि पुरावे तर सरकार दरबारीच नाहीत, कितीतरी कुटुंबे अशी असतील की केवळ कागदपत्रे आणि पुराण्यांच्या आभावी शिक्षणापासून आणि शिष्यवृत्त्यांपासून दूर असतील ही समाजव्यवस्था कोण बघणार, हे प्रश्न कोण सोडवणार?



कोणतीही सत्ता, कोणताही सत्ताधारी, कोणताही नेता, साक्षात परमेश्वर जरी व्यवस्था बदलायला आला तरी हीच परिस्थिती कायम राहणार, कारण मानवतेचे हितचिंतक हित भागवल्याशिवाय गप्प बसणार नाहीत. गरीब-दुर्बलांचे शोषण होतच राहिले मग ते सामाजिक दृष्ट्या, आर्थिक दृष्ट्या, मानसिक दृष्ट्या आणि शारिरीक दृष्ट्या सुद्धा गप्प अन्याय सहन करा असंच इथल्या

मोठ्यांच म्हणण आहे. असो.

निसर्गाने जन्म देताना सर्वांना जीवन आणि आयुष्य देऊन सारखेपणा दाखवला पण भविष्य देताना त्याने अन्याय केलेला आहे. अस माझं स्पष्ट मत आहे, असा वाद जर मी घालायच ठरवलं तर नक्कीच लोक मला मनोरुग्णात गणतील, आपण विचार करायला हवा की सर्वांना समानच जीवन मिळायला हवं, क्षेत्र वेगवेगळी असतील मात्र समानच कष्ट मिळायला हवीत. त्याशिवाय कसं कळणार लोकांना श्रमोपासना काय असते?

मुख्यमंत्र्यांच्या घरात जन्माला आलेला मुलगा, अभिनेत्याच्या घरात जन्माला आलेला मुलगा आणि शेतकरी कामगाराच्या घरात जन्माला आलेला मुलगा यांच्यातील तफावत पहा. मंत्र्यांच्या घरात जन्मलेला मुलगा पाळण्यात असेल तोवर त्याच राज्यात नाव होत, झालं त्या प्रसिध्द होण्यासाठी काय करायची गरज उरत नाही. शिक्षण घ्यायचं म्हणाल तर शाळांची, कॉलेजांची त्याला घरी बसून डिग्री देण्याची तयारी असते पण तो जातो शाळा-कॉलेजात शिकतो, शिक्षण पूर्ण होतय ना होतय तोवर काढतात त्याला भात्यातून राजकारणात मग मोर्चे, आंदोलने, महान कार्य समाजसेवेसाठी! वाढतो जनसंपर्क बरोबर वयाच्या २५व्या वर्षी उभा करतात आमदारकीला याला निवडून झाला मंत्री पडला तरी बाप-राजकर्ते पाठीशी असतातच.

आता अभिनेत्याच्या पोराचं, तो जन्माला येण्याच्या आधिपासून त्याच्या आई-वडीलांवर कॅमेऱ्यांची प्रसारमाध्यमांची नजर असते, तो पोटात राहिला की पेपरला बातमी आमूक-आमूक हिरो आणि हिरोईनीच्या पोराचं मुलगा झाला तर हे अन् मुलगी झाली तर हे नावं ठेवलं जाईल. जो जगात यायचायं, ज्याला जग बघायचंय त्याला जग आधीचं बघतयं, झालं जन्म घेतो शिक्षण-पाणी घेतलं तर घेतलं नाही तर राहिलं. अभिनयाच्या रुपेरी पडद्यावर त्याला बरोबर खेचलं जातं, मग तो बाल अभिनय असो अथवा प्रमुख अभिनय असो. एखादा चित्रपट गाजला तर

गाजला चित्रपटांच्या रांगाच रांगा त्याच्याभोवती लागतात. नाही गाजला तर बापजाद्यांनी काढलेलं बॅनर असतं दुसऱ्यांदा परत चित्रपट मिळतोच मिळतो, पैसा काय तर कोट्यवधी रुपये ! २००-३०० करोड रुपयांचे एक-एक चित्रपट असतात, बसायला चार चाकी ए.सी. कार असतात. ऐश मरणाची असते. मग ती लिव्ह इन रिलेशनशिप पासून अंमली पदार्थांचे सेवन करेपर्यंत आणि हातून गुन्हे घडेपर्यंत तो सक्सेस झाला काय ? नाही झाला काय ? याची त्यांना चिंताच नसते.

आता शेतकऱ्यांच्या कामगारांच्या पोरान्च पहा, तो जन्माला यायचं म्हणलं तर गळक घर वाट पाहत असतं. त्याच्यासाठी लोक कुठे चार दोन नातेवाईक वाटं पाहत बसलेले असतात. त्यात मुलगी झाली तर तिच्या आईला मरणाचा जाच आहेच आहे, खेडोपाडी नव्हे शहरातही सुशिक्षितांच्या नोकरदारांच्या घरात ! तिच्या आईला मुलगी झाली तर वाईट बोलण्यात येतं, मारहाण होते नाहीतर मुलीचाच बळी घेण्यात येत होता. आताही आहेतच. मान्यताप्राप्त गर्भपात केंद्रे. जिथं अर्भकांना जीवन घेण्यापासून बाजूला ढकललं जातं. असो अशी एकूण एक जन्म कहाणी. आता भूकेंसाठी संघर्ष एखाद्या मजुराला मजुरी कमी मिळत असेल तर त्याचं एक बालक, एक आपत्य विना-अन्न पाण्याचे झोपणं स्विकार करतं पण त्याच्या भुकेसाठी आईबापाला भाकरीसाठी अड्डास करत नाही, आवडी - नाआवडी याचा विषय तर गौणच राहीला, पण त्याचे आईबाप हे इतक्या वाईट परिस्थितीतपण आपल्या घासातला - घास काढून त्याला भरवतात आणि मगच झोपवतात ही गरीबांची श्रीमंती मोठ्या लोकांत कधीच येणार नाही हे पूर्णसत्य !

सज्ञानी होणं हाच यावरील उपाय, सज्ञान हे केवळ वाचनातून शिक्षणातून वाढत असं नाही. त्याला आत्मपरीक्षण, अनुभव, कष्ट, संस्कार याचीही गरज असते. हीच समाजाची गरज आता कमी होत चालली आहे परिणामी असंस्कारी, निष्ठूर पिढी निर्माण होत आहे, ज्यांचा कुणाचा कुणाशी हि काही एक संबंध नाही.

आपली प्रतिक्रिया सहभाग हा आपल्या देशाच्या समाजकारणात, राजकारणात असलाच पाहिजे अन्यायाला वाचा फोडण्याची तयारी प्रत्येक व्यक्तीकडे असलीच पाहिजे त्याशिवाय हे लोक प्रतिबंधित होणार नाहीत.

समान अधिकार, समान गरजा, समान नियमावली हा गोष्ट पंतप्रधानाच्या पोरान्चासून सर्वांसाठी समानच असली पाहिजे, जिथे-जिथे अपमानकारक वर्तन आपल्या सोबत होईल तिथे-तिथे नाकावर टिचून नाव कमवायची ध्येयधारणा आपण उराशी बाळगली पाहिजे. नक्कीच तुम्ही श्रीमंत नाहीत गरीब आहात पण आपल्यापेक्षा निम्न वर्गाला वर्षातून एकदा १०० रु देऊ शकत नाहीत ? नक्कीच देऊ शकता ते देत चला त्याचा वापर कसा होतोये हे जातीन पाहत चला, अनाथालय, ग्रामीण भागातील छोटी-छोटी विद्यालये, मागासलेली रिकामी ग्रंथालये यांना भेटी देऊन त्याची व्यवस्था - आवस्था पहा, त्यांच्यासाठी काही करा रस्त्यावर भिक जी मूल मागतात त्यांच्यासाठी शिक्षण असू नये का ? नाही ना तुम्हाला फुकट त्यांना शिकवायचं मग कामे करवून घ्या आणि बदल्यात शिकवा, बदल्यात अन्न पाणी द्या.

देश हा सत्ताधिकांना तेथिल मंत्र्यासंत्र्यांच्या निर्णयावर मोठा होत असतो तो तेथिल जनतेच्या विचारधारेवर आणि कर्तृत्वावर अविनाशी, महासत्ता

होत असतो, हे ब्रीद उरात कोरून घ्या. येथिल जन्म घेणाऱ्या मुलावर किंवा नागरिकावर दरडोई ४४,७८० रुपये इतकं कर्ज होतय, मग ज्यांची क्षमता आहे ते लोक आपलं दरडोई कर्ज का उतरवत नाहीत ? करोडो कमवून मुलाबाळांत वाटून मरणशय्या' पत्करतात, पण ४४. ७८० रुपये जर रिझर्व्ह बँकेला दिले तर दरडोई कर्जाचा भार कमी होण्यास मदत होणार नाही का ? एका कृतीशिल व्यक्तीमुळे इतर लोक कृतिशील होतात मग एकाने केलं तर दुसरा फेडेल, तिसरा फेडेलं पण स्वेच्छेने फेडायला शिका.

अजून देखील समाजात अन्याय आहेच. १९५० पूर्वीया जातीचा पुरावा दिल्याशिवाय अनुसूचित जातीतील मुलांना जात प्रमाणपत्र देण्यात येत नाही, ज्यांच्या पिढ्या जन्मल्या तश्याच मेल्या शिक्षण, नोकरी, चाकरी यांच्याशी त्यांचा काही संबंध नाही त्यांच्याकडे कुठून पुरावे येणार ? बहुतेक तहसिली समाज कल्याण कार्यालये १९५० नंतर उदयास आली, कोतवाल पुस्तिका, खासरा पाणीपत्रके या गोष्टी त्यांनी जपून ठेवलेल्याच नाहीत आणि जनहितवादी प्रशासन गोरगरीबांना या गोष्टीसाठी वेठीस धरतं यात त्यांचा काय दोष ? पण जगणं भाग आहे. शिकण भाग आहे म्हणून या जातीतील मुलं खुल्या वर्गातून शिकतात आणि गेल्या दशकापासून सर्व वर्गाची आरक्षणासाठी भांडणे चालू आहेत हे विशेष ! त्यात अनुसूचित जाती-जमाती यांना आरक्षित वर्ग म्हणून मानवंदना दिली जाते, त्यांच्या आरक्षणावर समाज कुढतो हे विशेष ! असो आपल्याला तीच ती परस्थिती पुन्हा नाही पहायची, पुन्हा नाही घडवायची.

नक्कीच भूतकाळ खूप दुःखदायक असतो पण भविष्यकाळ आपल्या वर्तमानकाळातील प्रयत्नांचं कष्टांचं फलित असतो, साने गुरुजींनी खरा तो एकची धर्म ही प्रार्थना लिहीली आहे, संत ज्ञानेश्वरांनी पसायदान अखिल मानव जाती साठी मागितल आहे, त्याचाच अवलंब करावा अस मला वाटत. ज्यामुळे मानवजात ही प्रगतीकडे वाटचाल करू शकेल. व तिची पिढ्यान पिढ्याच्या संघर्षातून सुटका होईल हे सत्य !

- हर्षवर्धन कसबे

FYBA



स्वातंत्र्यवीर सावरकरांचा जीवनसंघर्ष

तात्याराव हे एक बहुमिती व्यक्तिमत्व होते. त्यांच्या जीवनाभोवती गुढतेचे वलय पसरलेले दिसते आणि म्हणूनच त्यांचे जीवन जाणून घेण्याची जिज्ञासा सगळ्यांना असते. ही जिज्ञासा जाणून घ्यायचा प्रयत्न बऱ्याच लोकांनी किंवा आपण म्हणू चरित्रकारांनी केला. सावरकरांचे तत्वज्ञान मांडण्यासाठी वेगवेगळ्या भाषेत ग्रंथ लिहिले गेले. प्रत्येकाचा विचारविस्तार, दृष्टीकोन आणि प्रत्येकाची भूमिका वेगळी होती.

सिंधू नदी ही राणी नदी. सिंधू मधल्या स चा अपभ्रंश ह असा होऊन सप्तसिंधू च हप्तसिंधू मग हिंदू असं झालं. सिंधू नदीच्या काठावर राहणारे ते हिंदू माणुसकी धर्म हाच हिंदू धर्म. या देशात जन्माला आलेलं प्रत्येक मूल हे पहिल्यांदा हिंदू असत, नंतर आई वडील वेगवेगळ्या धर्मसंस्थांचे सभासदत्व देतात असं सावरकर म्हणायचे. सत्य, निती, धर्म असणं म्हणजे हिंदू असणं. जेव्हा मनुष्यप्राणी धरतीवर अवतरला तिथूनच हिंदू धर्म सुरु झाला. ह्या पृथ्वीतलावर हिंदू हा एकच धर्म आहे बाकीच्या ह्या धर्मसंस्था आहेत असे सावरकर म्हणतात. **Secularism** ह्या शब्दाला ईहवाद हा मराठी शब्द सावरकरांनीच दिला. ईहवादी असणं म्हणजेच हिंदू असणं एका माणसाने दुसऱ्या सोबत माणुसकीने वागणं म्हणजेच हिंदू असणं. हिंदू हा धर्म नाही, हिंदू ही जगण्याची पद्धत आहे. सावरकरांची भावना ही 'वसुधैव कुटुंबकम्, ची होती. विशिष्ट सीमारेषा असलेल्या देशाच्या स्वातंत्र्यासाठी सावरकर कधी लढलेच नाहीत. त्यांची लढाई ही माणुसकी धर्मासाठी होती. म्हणून सावरकर म्हणतात कि ब्रिटिश जोपर्यंत माझा निसर्गदत्त हक्क आणि अधिकार काढून घेतायत तोपर्यंतच ते माझे शत्रू आहेत, ज्याक्षणी ते माझा हा हक्क आणि अधिकार मला परत देतील त्याक्षणी त्यांच आणि माझं वैर संपलेल असेल. ह्यानंतर जे वाक्य सावरकर बोलून दाखवतात ना ह्या वाक्यामुळेच मला सावरकर तात्कालिन सगळ्यांपेक्षा वेगळे वाटतात, एकाने सावरकरांना विचारलं की तुमचं अंतिम ध्येय काय आहे? तर तात्याराव म्हणतात. माझी जात ही मनुष्यजात आहे, माझा धर्म हा माणुसकी धर्म आहे आणि पृथ्वी हे माझं राष्ट्र आहे आणि त्या पृथ्वी राष्ट्रचं राष्ट्रगीत असेल वंदे मातरम्. एवढी मोठी व्यापक हिंदू धर्माची व्याख्या सांगणारे सावरकर एकमेवाद्वितीय.

विज्ञाननिष्ठ राजकीय नेता. कायम काळाच्या पुढचा विचार करणारे, आज उचललेल्या पावलांचे ५० वर्षांनंतर भारताला आणि भारतीयांना काय परिणाम भोगावे लागतील याचा सातत्याने विचार करणारे असे होते सावरकर. कोणत्या क्षेत्रात ते अग्रगण्य नव्हते? राजकीय, सामाजिक असुदेत अस्पृश्यता निवारण, साहित्य, काव्य.. सगळ्यात भरारी घेतली होती आणि म्हणूनच ते Multi dimensional होते. लोखंडी कोलु फिरवून, काथ्या कुटून रक्ताच्या उलट्या होतायत, बेशुद्ध अवस्थेतून शुद्धीवर आल्यावर सुचलेल्या ओव्या भिंतीवर लिहायच्या पाठ करायच्या, पुसायच्या, दुसऱ्या लिहायच्या पाठ करायच्या अश्या ६००० ओव्या ११ वर्ष अंदामानची शिक्षा नंतर २.५ वर्ष रत्नागिरीची काळकोठडी अशी एकूण १३.५ वर्ष शिक्षा भोगून जेव्हा रत्नागिरी च्या घरी स्थानबद्धतेत ठेवलं जातं तेव्हा आठवायच्या, लिहून काढायच्या मग कमला सारखं महाकाव्य जगासमोर येतं. वयवर्ष १४ असताना सावरकरांनी शिवाजी महाराजांची आरती लिहिली होती. इंग्लंडात



असताना सावरकरांनी पुस्तके लिहिली. पहिलं म्हणजे जोसेफ मॅझिनी चं चरित्र आणि दुसरे १८५७ चा स्वातंत्र्यसमर. विशेष म्हणजे '१८५७ चा स्वातंत्र्यसमर' हे पुस्तक त्या काळातल्या १७ भाषेत भाषांतरीत झालं होत आणि स्वतः भगतसिंग यांनी पंजाबी भाषेत आणि सुभाष बाबू यांनी बंगाली भाषेत हे पुस्तक प्रकाशित केलं होतं. तेव्हा सावरकरांचे वय होतं अवघं २३ वर्ष. २६ वर्षात २६ ग्रंथ सावरकरांनी लिहिले. काय बुद्धिमत्ता असेल!

Brighton च्या किनाऱ्यावर लिहिलेली उस्फूर्त कविता सावरकरांची व्यथा सांगते. भारताविषयी एवढे प्रेम असलेला नेता तिकडे परभूमीत व्याकुळतेने जगतोय. आणि आभार त्या नारायण पॉल यांचे. त्यांनी ही कविता कागदावर लिहून घेतली म्हणून आपल्याला वाचायला आणि ऐकायला मिळाली.

मोहम्मद इक्बाल यांनी लिहिलेल 'सारे जहाँसे अच्छा' सगळ्या जगाला माहितीये पण सावरकरांनी त्याच अर्थाचे लिहिलेले कडवे खूप कमी जणांना माहितीये. ते असे.

नभि नक्षत्रे बहुत एक परि प्यारा मज भरतभूमिचा तारा.

प्रासाद इथे भव्य परी मज भारी आईची झोपडी प्यारी.

या फेनमिषें हससि निर्दया कैसा का वचन भंगिसी ऐसा

त्वत्स्वामित्वा सांप्रत जी मिरवीते भिनि का आंग्लभूमीते

मन्मातेला अबला म्हणुनि फसविशी, का विवासनाते देशी

तरि आंग्लभूमी भयभीता रे, अबला न माझि ही माता रे

कथिल हे अगस्तिस आता रे, जो आचमनी एक क्षणी तुज प्याला.

ह्या शेवटच्या कडव्यात सावरकर समुद्राला दम देतात. सावरकर म्हणतात वचन भंग करून निर्दयासारखं हासतोस? ह्या आंग्लभूमीला घाबरून माझ्या आईला दिलेले वचन मोडतोयस? माझी आई दुबळी आहे अस वाटत तुला म्हणून फसवतोयस ना तिला. जरी इंग्लंड ला घाबरत असशील तरीही माझी आई दुबळी नाहीये. विसरलास? तुला अचमनामध्ये गिळून टाकणारा अगस्ती माझा थोरला भाऊ आहे. त्याच्याकडे तुझी तक्रार करेन.

काय हा विचार! काय ही विचारशक्ती! काय तो साहित्याचा अभ्यास...

मूळ कवितेत शेवटचं वाक्य 'एक पळी तुझ प्याला' असं आहे. ह्या वाक्यात सावरकरांनी श्लेष अलंकार साधलाय. एक पळी म्हणजे एका क्षणात आणि दुसरा अर्थाने एक पळी म्हणजे.. सागरा तुझा एवढा मोठा

आकार अगस्ती च्या संध्येच्या एका पळीत सामावला गेला.

अंदामानात ८ तास नारळ सोलायचे त्याच्या दोऱ्या वळायच्या, लोखंडी कोलू फिरवायचा असे भयानक कामं करून जेव्हा मोकळा वेळ मिळायचा तेव्हा सावरकरांनी इतर कैद्यांचे साक्षरता वर्ग घेतले. घरून पुस्तकं मागवायला सांगून त्यांच्या कडून सगळी पुस्तक वाचून घेतली. नंतर तर सेल्युलर जेलमध्ये कैद्यांसाठी ग्रंथालय काढलं.

एवढा मोठा देशभक्त असूनही जी किंमत सावरकरांची ह्या देशात करायला पाहिजे होती ती केली गेली नाही. अंदामानच्या सेल्युलर जेलमध्ये असताना एक ब्रिटिश सावरकरांना म्हणाला 'चुकीच्या देशात आणि चुकीच्या वेळी जन्माला आलात, जर तुम्ही युरोपियन देशांत जन्माला आला असतात तर कदाचित तुमचा फोटो भारतातल्या प्रत्येक घरात असला असता. कोणत्या कोर्टकचेरीत सावरकरांचा फोटो आहे? कोणत्याच नाही. कशामुळे संसदेत सावरकरांच्या तैलचित्रावरून वाद होतो? भारताने सावरकर कधी आमलात आणलेच नाही. सावरकरांचे विचार युरोपियन राष्ट्राने अमलात आणले आणि ते त्यांच्या कृतीतून

दिसतं ही. आणि म्हणूनच ते देश मोठे झालेले आहेत. आजही राज्य कसं असावं तर मर्यादापुरुषोत्तम राम आणि छत्रपती शिवाजी महाराज यांच्या रामराज्य आणि स्वराज्यासारखं.

सावरकरांनी अस्पृश्यता निवारणाचे काम महात्मा फुले आणि भारतरत्न डॉ बाबासाहेब आंबेडकर यांच्या सारखेच केले. ते ही तेवढ्याच ताकदीचे होते. रत्नागिरी मध्ये सावरकरानी पतित पावन मंदिर उभारलं. कोणत्याही जातीधर्माचा व्यक्ती मंदिरात जाऊ शकावा म्हणून त्या मंदिराला कठडाच नाहीये, सर्व जातीधर्माच्या लोकांचा सहभोजनाचा कार्यक्रम सावरकर करतात. एवढ्या प्रकारच्या संघर्षांचं पुढारीपण केलं, संघर्षामधून भारताच्या स्वातंत्र्यासाठी आशेचा दीप उजळत ठेवला. संघर्षाच्या आधारावर स्वातंत्र्याचा लढा दिला अशा स्वातंत्र्यवीर सावरकरांना भारतरत्न पुरस्कार मिळावा हीच माझ्या सारख्या विद्यार्थ्यांची मनःपूर्वक इच्छा आहे.

पुष्कर पाटील

TYBSC

आयुष्याच्या वाटेवरती...

दहावीच्या उन्हाळ्यांच्या सुट्टीचे दिवस होते भर दूरचित्रवाणी बघून कंटाळल्यामुळे कपाटाच्या वर माळा उघडला आणि आयुष्यभरासाठीचा खजिना सापडला. ह्या आधी अशी कधी वाचनाची गोडी न्हवती खरंतर!

८०% टक्के लोकांना वाटते असच वाटायचे कि पुस्तकांचे पहिले पान उघडले की झोप येई. पण त्या दिवशी नित्य कामातून कंटाळल्यामुळे का होईना एक पुस्तक हातात घेतले व सारे जगच पालटून गेले. जणू मीच मला भेटले आहे पण एका वेगळ्या रूपात!

पुस्तक हातात येताच पहिले वाटले की कदाचित पुर्ण वाचले नाही जाणार आपल्याकडून, ठेवून टाकूयात पण दुसरे काही

करायला नसल्यामुळे अर्थातच हा विचार मागे सारून कपाटातून पुस्तक काढले व हळुवार पाने उघडली तशी मी एका वेगळ्याच दुनियेत गेले. नाही नाही म्हणता त्या दिवशी दहा पाने वाचून काढली ठरवून नव्हे तर वाचनाच्या त्या मंद लईत सहज वाहवून गेले.

आपल्या दैनंदिन जिवनात आपण किती लोकांना भेटतो पण ते आपल्या ओळखीचे असतात. मित्र मैत्रिणी, नातेवाईक ह्या पल्याड दुसऱ्या लोकांशी आपला संसार होत नाही आणि झाला तरी थोडकाच पण पुस्तकाच्या माध्यमाने आपण वेगवेगळ्या लोकांना भेटतो व वेगवेगळ्या लोकांच्या विचारसरणीला सामोरे जातो ते आपल्या कल्पनाशक्तीला वाव देते. प्रोत्साहित करते. मी हातात घेतलेले पहिले पुस्तक है 'श्रीमद

विजय रत्नसुंदरसुरीश्वरजी महाराज ह्यांचे' मनाच्या आरश्यावर कोरून ठेवा' हे होते. ह्या पुस्तकात त्यांनी चांगले आचरण व आई वडीलांप्रतीचे आदराचे महत्व समजावले आहे. ह्या पुस्तकातील पत्र संवाद मला खूप

आवडला ह्या पुस्तकामुळे मला मोठ्यांच्या आडचणी समजल्या तसेच नव्या पिढीचे संघर्ष समजले. ह्या पुस्तका मुळे मला आपल्या आई वडीलां प्रति त्यांची पाल्ये / मुले म्हणून आपली देखिल जबाबदारी असते आपले देखिल कर्तव्य असते हे समजले. आई- वडिलांचे महत्व आपल्याला आई- वडील आपल्या पासून दूर गेल्या शिवाय कधी कळणार नाही ही शिकवण

मला ह्या पुस्तकाने दिली.

ह्या पुस्तकाने मला वाचायला प्रेरित केले पण माझ्या वाचण्याच्या गोडीने मला लिहायला प्रेरित केले. मला लिहायला प्रेरित करण्यासाठी लेखिका 'सुधा मूर्ती' ह्यांचा सिंहाचा वाटा आहे, त्यांची सहज, सोपी पण वाचकाला आकर्षित करणारी भाषाशैली मला खूप भावली व मी त्यांच्या लेखणीचा अभ्यास करणं सुरु केले व माझ्या लेखणीच्या - ध्येयाच्या दिशेने पहिले पाऊल टाकले.

त्यांच्या पुस्तकातून मला त्यांच्या आयुष्यातील संघर्ष व इन्फोसिस फाऊंडेशन प्रस्थापित करण्यासाठीचा त्यांचा आड्हास 'मला' आपल्याला जे जे आयुष्यात हावे ते मिळतेच कधी थोडे उशीरा का



होईना पण मिळते जरूर' ही अमूल्य शिकवण समजली. सुधा मुर्ती ह्यांचे 'द वाईज अँड आदरवाईज' हे मी वाचलेले पहिले पुस्तक ह्या पुस्तकामध्ये सुधा मुर्ती ह्यांनी एका महिलेची गोष्ट सांगितली आहे. जी तीच्या आयुष्याच्या शेवटच्या क्षणी आयुष्या बदल कुतुहल व्यक्त करते आहे आणि कोणत्याही प्रकारचे आढेवेढे मनात न ठेवता तिच्या शेवटच्या क्षणांचा ती स्वीकार करू पाहाते आहे, ह्या पुस्तकातील लेखिकेच्या हया दृष्टीकोणाने मला 'आयुष्यावरती एक सुंदर कवीता सुचली.

व. पु. काळे हे देखील माझे आवडते लेखक आहेत. त्यांच्या मी बऱ्याच कादंबऱ्या वाचल्या आहेत पण माला सर्वात जास्त आवडलेली त्यांची एक कादंबरी आहे 'ही वाट एकटीची', ह्या कादंबरीत व. पु. काळे ह्यांनी एक कट्टु सत्य वाचकांसमोर मांडले आहे. आणि ते म्हणजे की हे जीवन जगताना जरी आपण सगळ्यांन सोबत असू किंवा लोकांच्या गेहेऱ्यात असू तरी देखिल संघर्ष करताना मात्र आपण एकटेच असतो ही अमूल्य अशी शिकवण मला व. पु. काळे यांच्या कादंबरीतून समजली. 'ही वाट एकटीची' ह्या व. पु. काळेच्या कादंबरीतून मला जे समजले त्यातून प्रेरित होऊन मला माझी पहिली कविता सुचली व. पु. काळेच्या लेखणीतून प्रेरित होऊन मला सुचलेल्या काही ओळी

'आयुष्याच्या वाटे वरती किती एकट्याने चालावे
प्रकाशाच्या शोधात किती अंधारातून चालावे
अस्तित्वाच्या मोहा पायी आयुष्य ते गमवावे
आयुष्याच्या तारे वरती किती एकट्याने चालावे

व. पु. काळेचे लेखन हे विनोदी जरी असले तरी आयुष्याच्या चटके देणाऱ्या बाजूंना हात घालणारे देखील असते. आयुष्यात फक्त मौज-मजा नाहीतर खडतर प्रसंग ही असतात. हे जाणीव करून देणारे असते व या जाणीवेतूनच उमगलेली व व. पु. काळे ह्यांच्या लिखाणातून प्रेरित असलेली ही माझी वरील पहिली वहीली कविता जिथून मी लिखाणाला सुरुवात केली/लेखनाच्या मार्गाकडे पहिले पाऊल टाकले.

सुधा मूर्ती ह्यांच्या लेखणीतून माझी भाषा ही कायम अलंकारीकच असली पाहिजे हा संभ्रम मोडला गेला तर भाषा ही फक्त अलंकारीक नव्हे तर सामान्य माणसांना समजेल व आपलीशी करून घेईन अशी असावी हे समजते, हिच गोष्ट मी गुरुमंत्रा सारखे जपली व जे मला सुचेल ते माझी आवड म्हणून लिहायला सुरुवात केली. चारओळीने सुरू केलेला लेखणीचा माझा प्रवास हळू हळू पुढे गेला व मला छोट्या छोट्या कविता, छोटे-छोटे लेख देखील सुचू लागले व कवितांन पासून सुरू झालेला माझा प्रवास छोटे-छोटे लेख लिहिण्यापर्यंत जाऊन पोहचलो.

ह्या माझ्या लेखन व वाचनाच्या गोडी मुळे मी फक्त मराठी नव्हे तर इंग्रजी मध्ये देखिल एक लेख लिहिला जो माझ्या महाविद्यालयाच्या मासिका मध्ये देखिल छापून आला. ज्याचे शीर्षक होते "The pink and Blue divide : Breaking Stereotypes" ज्या मध्ये मी गुलाबी व नीळा ह्या रंगावरून होणाऱ्या लिंग भेदा बदल लिहिले होते. माझ्या मते वाचण्याचा छंद जोपासल्या मुळे माला माझ्या व्यक्तिमत्वात मध्ये देखील फरक जाणवला. विचारशक्ती मध्ये बदल जाणवला, विचारा मध्ये परिवर्तन व लेखन करण्याची ईच्छा जागली, अनेक पुस्तके वाचताना मी 'युगंधर' हे 'शिवाजी सावंत' ह्यांचे पुस्तक वाचले व ज्यामुळे मला

महाभारता पलिकडचा 'श्रीकृष्ण' उलगाडला तसा तर 'श्रीकृष्ण' हे माझे आराध्य दैवत पण त्याच्या बाबतीतले येवढे पहिले मला माहिती नव्हते पण जे उलगाडले गेले युगंधर हे पुस्तक वाचल्यामुळे. युगंधर वाचल्या पासून माझे श्रीकृष्णा प्रतीचे प्रेम वाढले. मला श्रीकृष्ण हा मोहक वाटू लागला व त्याला 'मनमोहन' असे का म्हणतात ते कळाले. युगंधर वाचल्यानंतर व श्रीकृष्णाचे व्यक्तिमत्व समजल्या नंतर श्रीकृष्णाच्या व्यक्तिमत्वाचे पैलू उलगाडल्यानंतर मला एक कविता सुचली ही माझी दुसरी कविता ह्या कवितेने माझ्या लेखनाच्या स्वप्नांना आशेचे पंख दिले व लेखणीला भाषेचे बंधनही नसते हे पटवून दिले.

मला सूचलेली ही दुसरी कविता अर्थातच भाषेचे बंधन तोडून साकार झाली व हिंदी भाषेतल्या आलंकारांने मराठी भाषेप्रमाणेच तेजाळून निघाली. मला सुचलेली ही दुसरी कविता ही 'युगंधर' ह्या पुस्तकाची देणं आहे ही कविता पुढील प्रमाणे :

तुम्हें कृष्ण क्यों पसंद है? तो
युँही नँही उसे मोनमोहन कहते हैं
मुरली मनोहर वो सबसे न्यारा हैं
एक बार प्रेमसे पुकार कर तो देखो

इस प्रश्न का उत्तर तुम्हें स्वयंम मिल जाता है।

तर अश्या प्रकारे वाचनाच्या गोडी मुळे मला लेखनाची जाण आली व लेखनाच्या दिशेने मी पहिले पाऊल टाकले. तर आपणही लिहू शकतो हे कळल्यामुळे एक नवी उमेद मिळाली व एक नवे ध्येय डोळ्यांत समोर दिसू लागले आणि मी लेखक बनण्याचे ठरवले जे माझे आयुष्यभरासाठी ध्येय बनले.

मृण्मयी मिलिंद कुलकर्णी
SYBA

सार

हैं सार बस इतना की,
साहित्य में बहते विचारों की धारा हो
हिंदी का प्रेम हो, ऊर्दू का मर्म हो,
स्वर भी हो, स्ूर भी हो
जैसे सितार से निकली कोई धून हो,
शब्दों का अलंकार हो, भावना का विस्तार हो
पूर्ण को संपूर्ण करने का ज़रिया हो,
हैं सार इतना ही, की तुम ही अंत हो और
तुम ही अनंत !

प्रज्वल गायकवाड
MSC Microbiology

जीवन जगणे - एक कला



जागतिक आरोग्य संघटनेने नुकतेच जाहीर केले आहे की जगाच्या लोकसंख्येतील २५% लोक कोणत्या ना कोणत्या मानसिक आजाराने त्रस्त असतात, असे असताना जीवन जगणे या कलेचा कौशल्यपूर्ण वापरच यातून काहीतरी मार्ग काढेल. वाढती स्पर्धा व गतिशील समाज यामुळे ही समस्या दिवसेंदिवस वाढणारच आहे असे असूनही जीवन जगणे या कलेचा कौशल्यपूर्ण वापरच यातून आपल्याला वाचवू शकणार आहे.

आजपर्यंत आपण ऐकत आलो आहोत की जीवन जगणे ही एक कला आहे पण या कलेचे नैसर्गिक पैलू कोणते? याचे काही फारसे स्पष्टीकरण नाही, जीवन जगणे या कलेचे पैलू भिन्न असतात, तसेच बऱ्यात पैलूंमध्ये साम्य असते. जीवन जगत असताना लोकांना बऱ्याचशा त्रासातून जावे लागते. म्हणून तुम्ही प्रत्येक पाऊल उचलण्यापूर्वी होणाऱ्या परिणामांची जाणीव विचारात घ्या. ती स्वीकारण्याची तुमच्या मनाची तयारी असेल तर आपोआप तुमचा मानसिक त्रास दूर होईल व जीवन जगणे सहज शक्य वाटेल. समजा तुमच्या जीवनात वाईट घटना घडली तर तुम्ही हताश होऊन बसू नका. उलट जे घडले यापेक्षा वाईट काय झाले असते याचा विचार करा आणि तसे घडले नाही असे समजावून जे आहे याचा विचार करा आणि तसे घडले नाही असे समजावून जे आहे त्यातच आनंद मानून तुमच्या जीवनाचे पुढचे पाऊल टाका 'जीवन जगणे या कलेची थोडक्यात जर व्याख्या सांगायची म्हटली तर 'वस्तुस्थितीची जाणीव ठेवून प्रयत्नवादाच्या सहाय्याने आपले विकासाकडे नेणे म्हणजे जीवन जगणे होय.

जीवनात येणाऱ्या अडी-अडचणींना स्वतः सोडविण्याचा प्रयत्न करा, आवश्यक त्यावेळी इतरांच्या मदतीची तुम्हाला गरज आहे, परंतु स्वतः समस्या सोडविण्याचा प्रयत्न हा भविष्यकालीन समस्या सोडविण्यासाठी नक्कीच अनमोल ठरेल, क्रिया तशी प्रतिक्रिया? हा न्यूटनचा गतिविषयक तिसरा नियम. हा एक निसर्ग नियम आहे. त्यामुळे जीवनात तुम्ही जे काही कराल त्याचे फळ तुम्हाला मिळणार आहे जे वाईट किंवा चांगले असेल हे तुम्ही करत असणाऱ्या क्रियेवर स्वतः अवलंबून आहे. जीवन जगत असताना ज्या क्रिया तुम्ही कराल त्यावेळी प्रतिक्रियांचाही विचार करणे तेवढेच महत्त्वाचे आहे. तुमच्या अचूक विचारांची जोड ही तुम्हांला जीवनात अत्यंत आवश्यक आहे. तुम्ही असा विचार कराल, त्या विचारांच्या माध्यमातून तुमचे जीवन घडणार आहे. यासाठी उच्चविचार धारणा मानवी जीवनात आत्मसात करणे आवश्यक आहे. मानवी

जीवनात विचारांनाही जेवढे महत्त्व आहे, तेवढेच किंबहुना थोडेसे अधिकच महत्त्व तुमच्या प्रयत्नांना आहे. जीवनात एखादा हेतू साध्य करण्यासाठी प्रयत्नांची नितांत आवश्यकता आहे. परंतु हे प्रयत्न करीत असताना सकारात्मक विचारांची ही गरज असते. जीवनात एखादे उद्दिष्ट साध्य झाले नाही, म्हणून खचून जावू नका. आशावादी राहून प्रयत्नांच्या सहाय्याने तुम्ही ते प्राप्त करू शकता, प्रयत्न हे असे शस्त्र आहे की, यांच्या सहाय्याने सर्व काही प्राप्त होवू शकते.

जीवनामध्ये वेळेला व नियोजित कामाला जास्त महत्त्व दिले तर जीवनामध्ये माणूस यशस्वी झाल्याशिवाय राहणार नाही. उदा. एखादे महत्त्वाचे काम किंवा व्यवहार आपल्या छोटयाशा नोंदणी वहीत लिहून ठेवावे. दैनंदिनी लिहिण्याची सवय खूप चांगली आहे. अगर शक्य असल्यास उद्याच्या कामाचे नियोजन आदल्या दिवशी करावे, यामुळे दिवस नियोजनबद्ध जातो. आपण अशी नियोजन कामाची सवय करत गेलो तर दुसऱ्या दिवशी किंवा भविष्यात घाई व नुकसान होणार नाही. तसेच आपण अधिक नियोजन अधिक विचार करण्यासाठी वेळ मिळतो व आपले ठरवलेले काम यशस्वी झाले की मनाला शांतता व समाधान लाभते. जर आपण वेळेला महत्त्व दिले नाही तर आपली धावपळ होऊन आपले काम होणार नाही या धावपळी मध्ये आपण काही ना काहीतरी विसरतो किंवा आपल्या हातातून चूका होतात आणि नंतर आपण स्वतःला म्हणतो, ते काम मी वेळेत केले असते तर माझे इतके नुकसान व मला त्रास झाला नसता. आणि मग हे भडकलेले डोके शांत करण्यासाठी आपण वाईट मार्गाचा वापर करतो. मग घरातील व्यक्ती, समाजावर या गोष्टींचा राग काढतो, त्यांना दोष देतो. या वाईट मार्गामुळे आपल्या हितचिंतकांवर परिणाम होतो म्हणून घरातील व समाजातील व्यक्ती आपले चांगले व्हावे यासाठी बोलतात, असे समजून एकमेकांना सहकार्य करावे, यासाठी छोटया - मोठ्या गोष्टीकडे लक्ष देऊन घरातील वाद कसा कमी करता येईल आणि शांतता समाधान लाभेल याकडे पाहणे जरूरीचे आहे. जीवन जगत असताना भूतकाळापेक्षा भविष्यकाळाचा जास्त विचार करावा. जर आवश्यक असल्यास भूतकाळातील गोष्टींचा संदर्भ घ्यावा आणि हीच जीवन जगण्याची खरी कला आहे.

सिद्धी सुधीर देशमाने.

SYBA

बदल हा अपरिहार्य आहे

बदल हा जगातला सर्वात मोठा व स्थिर अविभाज्य घटक आहे. हे वाक्य कोणी म्हटले आहे ते मला माहिती नाही पण मी एका अध्यापकां कडून ऐकले होते. सर्वप्रथम आपल्याला ह्या बदलांची छबी निसर्गात दिसते, जेव्हा ऋतू बदलतात तेव्हा झाडांची पाने रंग बदलतात, जुनी पाने झडून नवीन पालवी फुटते. झाडांना फळ-फुलं पण येतात. पक्षी पण ह्या बदलाचे वाहक बनून एका जागे वरून दुसरी कडे स्थलांतर करतात आणि प्राणी सुद्धा ऋतू अनुसार आपल्या सवयीत बदल करतात.

हे नैसर्गिक बदल जसे माणसाच्या आजूबाजूला होणारे पर्यायवर्णीय बदल आहेत तसेच त्याच्या वैयक्तिक आयुष्यात आणि त्याच्या स्वतःमध्ये सुद्धा हे बदल घडत राहतात. आपल्या आयुष्यात खूप नवीन गोष्टी घडत असतात. आपल्या दैनंदिन जीवनातल्या रोजच्या घडामोडी असोत किंवा एखादी घटना असो हे सगळे मोठ्या प्रमाणावर आपल्या मध्ये बदल घडवतात. ह्या बदलामध्ये आपले आयुष्य बदलण्याची ताकद असते. आता हा बदल लहान असो किंवा मोठा, पुढे जावून आपल्याला त्याचे परिणाम दिसतातचं.

स्वतः माझ्या विषयी म्हणलं तर, बदल हा जगातला सर्वात मोठा व स्थिर अविभाज्य घटक आहे. हे वाक्य आणि त्याचा अर्थ खूप वेळा माझ्या जीवनात खरा ठरला आहे आणि मी स्वतः ते आज पर्यंत मानत आले आहे. मी कायम माझ्या आई आणि बहिणी बरोबर राहिले आणि लहानाची मोठी झाले, माझे वडील मी खूप लहान असतानाच वारले त्यामुळे मला त्यांच्या तेवढ्या आठवणी नाहीत. त्यामुळे जेवढा माझ्या कुटुंबाला त्यांची उणिव जाणवते तेवढी मला जाणवत नाही, पण माझ्या वडिलांच्या नसण्याने माझ्या व्यक्तिमत्त्वात खूप बदल झाला आणि तो म्हणजे मी लवकर लहानाची मोठी झाले, हे मला माझी आई सांगायची

पण मला जशी मोठी झाले तसतसं ते पटू लागलं.

अत्ताचेच उदाहरण घेतले तर मी पहिल्यांदा पुण्यात एकटी राहाते आहे, जरी पुणे शहर माझ्यासाठी तितक अनोळखी नसलं तरीही मी आज कधी नव्हे ते स्वतःची कामे स्वतःकरते. माझा स्वावलंबी आणि आत्मनिर्भर बनण्याचा प्रयत्न चालू आहे आणि त्यामुळे माझ्या मध्ये एक प्रकारचा आत्मविश्वास निर्माण झालाय, हे सगळे माझ्या मध्ये झालेले सर्वात मोठे बदल आहेत. जसे आपल्याला काही बदल आवडतात तसेच काही बदल असतात जे आपल्याला आवडत नाहीत, पण पटत असो का नसो तरी बदल हे घडतात आणि आपल्याला ते स्वीकारावे लागतात. मी इकडे राहण्यामुळे माझ्यात चांगले बदल झालेत पण मला माझ्या आई आणि मैत्रिणी पासून दूर राहावे लागते आहे, ह्याचे मला वाईट वाटते. जरी मी त्यांच्या आयुष्यात काय काय घडतंय हे ऐकून खुश झाले तरी कुठे तरी मला त्यांच्या बरोबर नसण्याची खंत वाटते. हे जरी मला आवडतं नसेल तरी मला हा बदल झालाय आणि ह्या बदलांमुळे फक्त माझ आयुष्यच नव्हे तर माझ्या वागण्यात पण बदल झालाय हे मला स्वीकारावे लागत, हे बदल आपल्याला शिकवतात की काही गोष्टी आपल्या हातात नसतात, आपल्याला ते स्वीकारून पुढे जावे लागते. ह्या बदलांमुळे माझं एक नवीन आणि चांगलं व्यक्तिमत्व घडतंय ह्याचा मला खूप अभिमान आणि आनंद वाटतो आहे.

बदल हा अपरिहार्य आहे हे खरं ठरतं आणि बदल चांगले असोत का वाईट, आवडते की नावडते, ते घडत राहतील आणि आपल्या आयुष्याला ते प्रभावित करत राहतील.

रोमा चिपळूणकर
SYBA

आयुष्य रोज नव्याने उलगडणारे पान



माणूस जेव्हा जन्माला येतो तेव्हा त्याला नाव नसते पण श्वास असतो आणि ज्यावेळी तो मरतो तेव्हा फक्त नाव असतं पण श्वास नसतो नाव आणि श्वास यांचातील अंतर म्हणजे आयुष्य. आयुष्य कस जगावं हे प्रत्येकाच्या हातात असतच अस नाही काहीना ते सहज प्राप्त होत तर

काहीना खूप अडचणींना सामोर जाऊन ते प्राप्त करावे लागत. आपण बघायला गेलो तर माणसाला आपल्या पहिल्या श्वासापासून ते शेवटच्या श्वासापर्यंत कित्येक अडचणींना आणि प्रसंगांना सामोरे जावे लागते. आपल्याला असे वाटते बालपण किती सुंदर आहे सर्वजण म्हणतात लहानपण देगा देवा पण अस पाहायला गेलो तर लहान बाळालाही त्याचा त्याचा वेगळा प्रकारचा संघर्ष असतो. फक्त फरक एवढाच की प्रत्येकाचा संघर्ष वेगळा.

आयुष्य खूप सुंदर आहे फक्त आपला त्याचाकडे पाहण्याचा दृष्टीकोण सकारात्मक असायला हवा माणसांचा छोट दुःख जगाच्या मोठ्या दुःखात मिसळून गेलं की त्याला सुखाची चव येते. समाधानी राहण्यातच आयुष्यातील सर्वात मोठ सुख आहे.

सगळ्यांशी गोड बोलून मिळून-मिसळून राहण्यात जी मज्जा आहे. ती सर्वांनी अनुभवायला हवी एकमेकांनबद्दल गैरसमज करून घेऊन व भांडण करून आपल्याला फक्त मनस्ताप होतो. हे आयुष्य खूप सुंदर आहे म्हणून आपलेच तर्क लाऊन वाद-विवाद करण्यापेक्षा एकमेकांना

समजून घेऊन एकत्र राहण्यातच खरा आनंद आहे. आपली माणस आणि त्यांच प्रेम हाच जीवनाचा दागिना आहे त्यामुळे आपल्या जीवलग माणसांना नेहमी आनंदी आणि समाधानी ठेवायचे त्यांचा सोबत सोनेरी क्षण घालवायचे. आपली माणस बाजारात विकत मिळत नसतात प्रेम, जिद्दाळा, सुसंवाद आणि आपुलकीच्या जोरावर ती मिळवावी लागतात.

हे आयुष्य फार खडतर आहे आपण कितीही बोललो तरी ते आपल्यासाठी थांबत ही नाही आणि आपल्यासाठी बदलतही नाही. आपल्यालाच त्याचा प्रमाणे बदलावे लागते आणि त्याचाबरोबर चालावे लागते आपल्या आयुष्यातील सर्वात महत्त्वाची आणि जवळची व्यक्ती जरी आपल्याला कायमची सोडून गेली असेल तरीही आपल्याला काही करता येत नाही. आपण हतबल होऊन जातो. आयुष्यातील वाईट प्रसंगांना सामोरे जावयालाच लागते. आपल्याकडे दुसरा पर्याय उरत नाही. आपण कितीही बोललो की ही व्यक्ती जर आपल्याला सोडून गेली तर आपण जगू शकणार नाही तर ते अत्यंत खोट आहे कारण आयुष्याने आपल्यासाठी काही वेगळेच लिहिले असते. त्याला आपल्याला सामोरे जावे लागत. मी आतापर्यंत एक गोष्ट चांगलीच शिकली आहे की आपल्या सोबत आपली कितीही जीवलग माणस असो जसे की आई, बाबा किंवा नातेवाईक, मित्रमंडळी. तरीसुद्धा आयुष्यात येणाऱ्या प्रत्येक अडचणींना

व वाईट प्रसंगांना त्या त्या व्यक्तीला स्वतःच सामोरे जावे लागते. आपली लढाई आपल्यालाच लढावी लागते आणि एक गोष्ट मात्र खरी आहे की आयुष्य कोणसाठीही थांबत नाही फक्त थांबतो माणूस, म्हणून जितका वेळ आपण आहोत तितका वेळ आपण जगून घ्यायच, सगळ्यांशी गोड बोलायच कोणाला दुःखवायच नाही कारण शेवटी राहते ते फक्त नाव

कठीण काळात सतत स्वतः ला सांगा शर्यत अजून संपलेली नाही कारण मी अजून जिंकलेलो नाही आयुष्य म्हणजे जिथे खूप काही कमवून ही माणुसकी कमवता येत नाही भरपूर पैसा असताना ही प्रेम विकत घेता येत नाही सर्व काही असताना ही शांत झोप लागत नाही.

त्यामुळे जेवढा वेळ आपल्या हातात आहे तो पर्यंत तो आपल्या माणसांबरोबर घालवू कारण आपला माणूसच शेवटपर्यंत आपल्यासाठी आणि आपल्यासोबत असतो.

हीच आमची प्रार्थना हेच आमचे मागणे

माणसाने माणसाशी माणसासम वागणे.

गौरी शहाणे

SYBA

मोहिम विसापूर फत्ते..

गिर्यारोहण करून बरेच दिवस लोटले होते मग काय पुण्यातील उत्तम किल्ल्याची शोधाशोध सुरू केली. उन्हाळा हा ऋतू म्हणाला की दमछाक तर ही होणारच या गोष्टी लक्षात घेता आणि इतर मित्रांच्या सहमतीने आम्ही विसापूर या मध्यम श्रेणीत मोडणाऱ्या किल्ल्यावर गिर्यारोहण करण्याचे ठरवले. किल्ल्याचा इतिहास सांगायचा झाला तर इ.स. १६५७ मध्ये छत्रपती शिवाजी महाराजांनी हा किल्ला स्वराज्यात सामील करून घेतला, विसापूर किल्ला भाजे गावात गेल्यानंतरच नजरेस पडतो. विसापूर हा किल्ला प्रामुख्याने कोकण आणि खंडाळा घाटावर लक्ष



ठेवण्यासाठी बांधला गेला होता. वर्गातील जवळपास पंधरा ते सोळा मित्र-मैत्रिणी किल्ले विसापूर येथे गिर्यारोहण करण्यास तयार झालेत. पहाटेच्या पहिल्या लोकलने तेथे जाण्याचे योजिले. आणि तो दिवस आला कोकिलेच्या मंत्रमुग्ध आवाजात आम्ही छत्रपती शिवाजी नगर रेल्वे स्थानक गाठले. पावणे सहाच्या लोकलने आम्ही सर्वे मळवली या भाजे गावा नजीकच्या रेल्वे स्थानकाच्या दिशेने प्रस्थान केले. बऱ्याच वेळेच्या अवधीनंतर आम्ही सर्वे मळवली या रेल्वे स्थानकावर येऊन पोहोचलो. सूर्याच्या सोनेरी किरणांनी आमचे थाटात स्वागत केले. त्यानंतर आम्ही तेथून भाजे गावाच्या दिशेने प्रस्थान केले. काहीच क्षणात आम्ही विसापूरच्या पायथ्याशी येऊन पोहोचलो. तिथून आमची खरी चढाई सुरू झाली. सर्वे जण आपापल्या रीतीने आणि काळजीपूर्वक

दुर्ग सर करत होते, सुरुवातीला सोईस्कर अशी वाट आली मग त्यानंतर खडकाळ स्वरूपाच्या मार्गास सुरुवात झाली तेव्हा मात्र सर्वांचा कस लागला. चढते वेळी प्रत्येक जण आपापल्या परीने योग्यरीत्या व काळजीपूर्वक पाऊल टाकत चढाई करत होते. त्यात हळूहळू उन्हाचा पारा वाढत चालला होता. विसापूर किल्ल्याच्या अवती-भवतीचा परिसर अतिशय सुंदर होता. निसर्गाच्या रंगबिरंगी छटा चोहीकडे पसरलेल्या होत्या प्रत्येक व्यक्ती हा निसर्गाचे हे अनोखे रूप मोबाईलच्या कॅमेऱ्यात टिपत आणि गिर्यारोहणाचा आनंद लुटत दुर्ग सर करत होते. साधारण एक तासाच्या अवधीनंतर किल्ल्यावर येऊन पोहोचलो. किल्ल्यावरून आजुबाजूचा सुंदर परिसर न्याहाळला. त्यानंतर आम्ही किल्ल्याच्या मुख्य भागाकडे मार्गक्रमण केले. किल्ल्यावरून पवना धरणाचे मनमोहक दृश्य नजरेस पडले मग काय मी लगेचच हे दृश्य

कॅमेरात कैद केले. थोडेसे पुढे जाताच आम्हाला एक पडक्या अवस्थेतील बुरुज नजरेस पडला तिथे थोडा वेळ विश्रांती घेत पुढच्या प्रवासास सुरुवात केली. प्रवास करतेवेळी एक गोष्ट लक्षात आली की विसापूर किल्ल्यावर जवळपास १८ पाण्याची टाकी आहेत यावरून समजते की त्यावेळी पाण्याचे किती काटेकोरपणे आणि चतुराईने नियोजन केले जायचे. किल्ल्यावर टहाळणी करते वेळी आम्हाला काही पडके वाडे नजरेस पडले आणि त्याचबरोबर काही शिवकालीन तोफा ही नजरेस पडल्या. पुढे आम्ही महादेवाच्या सुबक कलाकृती असलेल्या देऊळा जवळ येऊन पोहोचलो तिथे आम्ही देवाधिदेव महादेवाचे दर्शन

घेतले आणि जवळच असलेल्या वनराईच्या दाट छायेत विसावा घेतला व विठ्ठलाचे नाव घेत भोजनास प्रारंभ केला. त्यानंतर थोडा वेळ तेथील निर्मळ वातावरणाचा मनमुराद आनंद लुटला. त्यानंतर लगेचच किल्ल्याचा निरोप घेत परतीच्या प्रवासास निघालो. मनात माय तो किल्ला बघून छत्रपती शिवरायांनी स्वराज्यासाठी केलेला संघर्ष आठवत होता.

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रसायनशास्त्र : एक अजब रसायन

रसायनशास्त्र अर्थात केमिस्ट्री हे पदार्थाचे गुणधर्म व त्याची स्थित्यंतरे अभ्यासणारे विज्ञान आहे. विविध पदार्थ, त्यांचे गुणधर्म, तसेच त्यांचे एकमेकांवर होणारे परिणाम यांचा रसायनशास्त्रात अभ्यास होतो. रसायनशास्त्रात रसायनांचे पृथक्करण करून त्यातील संयुगांचाही अभ्यास केला जातो.

रसायनशास्त्राला केंद्रीय विज्ञान असे सुद्धा म्हटले जाते. कारण, हे शास्त्र मूलभूत पातळीवर आणि अनुप्रयुक्त वैज्ञानिक विषयांना समजून घेण्याचे एक आधार प्रदान करते. उदाहरणार्थ वनस्पती रसायनशास्त्र (वनस्पतीशास्त्र), अग्निजन्य खडकांची निर्मिती (भूशास्त्र), वायुमंडलातील ओझोन कसा तयार होतो आणि पर्यावरण प्रदूषके कशा प्रकारे तयार होतात आणि कशा प्रकारे कमी होतात (पर्यावरणशास्त्र), औषधे कशी कार्य करतात (मेडिसिनल केमिस्ट्री) औषधे कशी निर्माण करतात (औषधनिर्माण शास्त्र), गुन्हेगारांचा डीएनए, इतर पुरावे कसे गोळा करावेत (फॉरेंसिक केमिस्ट्री), आणि खाण्याचे पदार्थ (फूड केमिस्ट्री)

रसायनशास्त्राची व्याप्ती खूप मोठी आहे. हॉस्पिटल मध्ये दिली जाणारी औषधे ही रसायनेच असतात. अन्नपदार्थ जास्त दिवस टिकावेत म्हणून त्याच्यामध्ये टाकले जाणारे संरक्षक हेही मानवी शरीराला अपाय न करणारे रसायनेच आहे. घराला दिला जाणारा रंग रसायनापासून बनवलेला असतो तसेच सजीवांच्या शरीरामध्ये खूप रसायने तयार होतात, त्यांचे विघटन होते, एका प्रकारातून दुसऱ्या प्रकारामध्ये रूपांतरित होतात. धातू शुद्ध स्वरूपात मिळवताना त्याच्या अशुद्ध स्वरूपावर रासायनिक प्रक्रिया केली जाते. आता हेच पहा आपण श्वास घेताना ऑक्सिजन आत घेतो आणि श्वास सोडताना कार्बनडायऑक्सिड बाहेर सोडतो हे रासायनिक घटक आहेत...

रसायनशास्त्राची खरी मज्जा कुठे आहे...पहा

माणूस हे एक अजब 'रसायन' आहे, हा वाकप्रचार आपण खूप वेळा अनेक अर्थाने वापरतो. कधी अनेक गुण अंगी असणाऱ्या एखाद्या माणसाबद्दल तर कधी विचित्र वागणूक असणाऱ्या एखाद्या महाभागाबद्दल! कधी एखाद्या विषयात अतिशय कौशल्य प्राप्त केलेल्या कलाकाराबद्दल तर कधी काहीही न करतादेखील आपली दिनचर्या सुखात घालवणाऱ्या एखाद्या व्यक्तीबद्दल !! पण हे झाले सगळे स्वभाव किंवा गुणविशेष आणि आपण तर वाचतो आहोत 'विज्ञानाच' सदर !

तेव्हा, माणूस हे एक अजब रसायन आहे', हे विधान विज्ञानाच्या कसोटीवर उतरायला हवं, तपासायला हवं, नाही का ?

माणसाच्या शरीराचा जवळजवळ ९९ टक्के भाग हा ऑक्सिजन, हायड्रोजन, कार्बन, नायट्रोजन, कॅल्शियम आणि फॉस्फोरस या सहा मूलद्रव्यांच्या संयुगांपासून तयार झालेला आहे. आणि उरलेल्या भागात पोटॅशियम, सल्फर, सोडियम, क्लोरीन, मॅग्नेशियम, आयर्न, फ्लुओरिन, झिंक, कॉपर (तांबे), आयोडीन, सेलेनियम, क्रोमियम, मॅंगनीज, कोबाल्ट, मॉलिब्डेनम ही आणि अशी अनेक सूक्ष्म प्रमाणात असलेली मूलद्रव्यांची संयुग आहेत. खरं पाहिल तर माणसाच शरीरच नव्हे पण या विश्वातली कुठलीही गोष्ट ही कुठल्या न कुठल्या मूलद्रव्यांच्या रसायनांनीच तयार झालेली आहे. म्हणून ज्ञात सृष्टीतली प्रत्येक गोष्ट, एक अजब रसायनच आहे.

रसायन हे अनेक गोष्टी एकत्र येऊन तयार झालेल असतं. कुठलही रसायन तयार होताना जे मूलभूत पदार्थ एकत्र येतात त्यांना मूलद्रव्य अस म्हणतात. इंग्रजीत पाला एलिमेण्ट म्हणतात. त्यामुळे असं म्हणता येईल किमान आजवर ज्ञात झालेली ११८ किमयागार मूलद्रव्येच अजब सृष्टीच्या अस्तित्वाला कारणीभूत आहेत. या प्रत्येक मूलद्रव्याच्या असण्याची जाणीव माणसाला कधी आणि कशी झाली? त्यांचे स्वभावविशेष कसे असतात? त्यांचे स्वभाव कळल्यावर माणसाने आपल्या किमयेने त्यांचा उपयोग कसा करून घेतला ?

आता माणसाचा स्वभाव म्हंटला कि त्याचे अनेक प्रकार असतात जसे सायनशास्त्रातल्या एलिमेण्ट चे असतात म्हणून आपण माणसाचा स्वभाव आणि पिरिमाॅडिक टेबल मधल्या एलिमेण्टची तुलना करू शकतो. पिरिमाॅडिक टेबल मध्ये जे (धातू) अल्कली मेटल्स आहेत ते खूप रिॲक्टिव्ह असतात, ट्रान्झिशन मेटल्स बहुरूपी असतात तर नॉन मेटल्स हे मध्यम रिॲक्टिव्ह असतात. मेटालॉइड्स म्हणजे कधी मेटल तर कधी नॉन मेटल म्हणजे संतुलित असतात आणि इनर्ट गॅसेस हे कशातच भाग घेत नाहीत. अजून एक प्रकार असतो तो म्हणजे रेडिओॲक्टिव्ह एलेमेंट्सचा की ज्याचे अणू अस्थिर असतात ज्यामुळे ते खूपच रेॲक्टिव्ह असतात आणि ज्या मूळे खूप जास्त हानी होऊ शकते. एक रसायनशास्त्रज्ञ सर्व एलेमेंट्स चे गुण समजून घेऊन त्यांचा वापर प्रयोगशाळेत करत असतो.

मनुष्याच्या स्वभावाचे पण असेच काहीसे प्रकार असतात. जसे की काही

लोक तापट असतात म्हणजेच अगदी रेडिओएक्टिव्ह एलेमेंट्स सारखे ज्या मुळे कधी कुठला स्फोट होईल सांगता येत नाही. काही जरा जास्तीच प्रतिक्रियाशील असतात अल्कली मेटल्स सारखी, काही माध्यम प्रतिक्रिया देतात नॉन मेटल्स सारखी, काही लोकांचे बहुरूपी चेहेरे असतात ट्रान्झिशन मेटल्स सारखे आणि हो काही जणांचे स्वभाव अगदी संतुलित असतात मेटालॉइड्स सारखे समोरच्याला समजून घेणारे आणि काही एकदम आलिंगन इन्टर्गॅसेस सारखे जसा एक रसायनशास्त्रज्ञ सर्व एलेमेंट्स चे गुण समजून प्रयोगशाळेत काम करतो तसं आपण विविध माणसांचे स्वभाव समजून घेऊन वागायचा प्रयत्न केला तर ? आहे कि नाही साम्य रसायनशास्त्र आणि मनुष्य स्वभावात !! ह्या एलेमेंट्सला कुठल्याही भावना नाहीत तरी किती समजुतीने सगळ्यांशी संबंध ठेऊन असतात, एखाद्याशी पटलं कि घट्ट संबंध प्रस्थापित करतात त्याला आपण **covalent bond** असं म्हणतो, थोडाफार जमलं तर तेवढ्यापुरतं नातं असता ज्याला पाय बॉण्ड म्हणतो

म्हणजे काम झाल कि टाटा बाय बाय, काही ठिकाणी वन वे ट्रॅफिक पण असत बरका..... आपल्या हव म्हणून संबंध जोडायचे आणि सगळं काही आपणच करायचं ह्याला कोऑर्डिनेट बॉण्ड म्हणतात आणि म्हणून आपण असा म्हणतो..

Chemistry between two people is good or bad!

शेवटी निष्कर्ष इतकाच ज्याला मनुष्य स्वभाव कळले त्याला रसायनशास्त्र कळले किंवा ज्याला रसायनशास्त्र कळले त्याला मनुष्य स्वभाव कळला !!!!

Chemistry is a mystery of Chemicals, Chemists are detectives who solve this mystery

प्रा. गायत्री श्रोत्रिय
रसायनशास्त्र विभाग



आठवणी.....

गुरफटलेल्या मनी दडलेल्या
त्या स्मृतींना उजाळा देत
गुंफणे म्हणजे आठवणी.

कळत नकळत
घडून गेलेल्या गोष्टींचा स्पर्श
देतात त्या आठवणी..

ओजळ भरून मिळालेला
सहवास आणि ठेवा तो त्या
मनुमुाराद तूटलेल्या आनंदाचा
त्या असतात आठवणी.

उधाणलेल्या मनात स्मरणात
असलेल्या भावनांना मोकळी
वाट करून देणं म्हणजे आठवणी..

आयुष्याच्या त्या ओल्या वाटेवर
या आठवणींचे नभ बरसती
अंतःकरणात आभाळातनी
त्या असतात आठवणी.

आस्वाद तो त्या गोड-आंबट
अशा अनवट आठवणींचा
गंध तो त्या आपलेपणाचा
मनाच्या अंतरी रेंगाळ आठवणींचा.

ऋषीकेश पाटील
(MSc. Biotechnology)



माझा राजा...

सांगशील का रे रायगडा,
 कसा होता माझा राजा ?
 घडतीले ज्याने स्वराज्य,
 अनू सुखावली प्रजा ?
 तूझ्या रूपावर भाळून जो म्हटला,
 करू हिच तरखताला जागा
 सांग ना रे रायगडा,
 कसा होता माझा राजा ?
 कहाण्या ऐकल्यात मी तूझ्या अन् त्याच्याही
 देव मानलेच आहे त्याला अन्
 मंदीर मानले तुला मी ?
 दिसला कसा तो, बसला कसा तो,
 चालला कसा तो, बोलला काय तो,
 पाहुनी अन्याय होतांना गरजला कसा तो,
 सारेच पहिलेस तू प्रत्यक्षात इथे,
 सारेच अनुभवलेस, तू जे जे घडले इथे
 मस्तकावरी त्याच्या मंगल
 अक्षतही पडल्या इथे.
 म्हणून तर आले मी इथवर
 आणखी विचारण्या तुला
 करशील ना भूतकाळ
 पून्हा ताजा रायगडा
 सांगशील ना तू मला,
 कसा होता माझा राजा ?
 थेंब थेंब रक्ताची आठवण येते आम्हांला,
 कधीच विसरणार नाही,
 राजे मुजरा करण्यास तुम्हांला ॥
 ॥ जय शिवराय, जय शंभुराजे ॥

तैष्णवी शंकर खोमणे.
 FYBA

कॅनव्हास बोर्ड



घे एक कॅनव्हास बोर्ड
 ओत त्यावर तुला आवडेल तो रंग...
 मग आरसा ठेवून समोर,
 वेखाट
 फेसाळलेल्या लाटांसारखे
 तुझे ते काळेभोर केस,
 समुद्रासारखे गहन डोळे.
 घावे...
 आणि वेखाट
 तुझं अक्षणं,
 तुझं हसणं,
 तुझं लाजणं,
 तुझं नसणं,
 आपल्यातला तो अबोला ही..
 आणि हो....
 तुझा 'मी' ही वेखाट तुझ्या बाजूला...
 बरबटलेला तुझा डावा हात,
 टेकव त्या चित्रावर अलगद..
 आणि मी माझा उजवा टेकवेन,
 मगच पूर्ण होईल तुझं चित्र,
 आणि माझं स्वप्न...
 बाकी तु चित्र उत्तमच काढलेस...

-पुष्कर पाटील
 TYBSC

DEPARTMENT OF ECONOMICS

DEPARTMENT ACTIVITIES

1. Financial Literacy

On 18th October 2021, the department organized one seminar on Financial Literacy in association with the Life Long Learning and Extension Activities, SPPU. There were 61 student participants, of which 45 were present in the AV Hall and 16 students participated online.

2. Educational Visit

A visit to Bhimtadi Jatra, Agriculture College ground, Shivajinagar was arranged on 24th December 2021.

3. Street Play

Department of Economics and Indian Red Cross Society together took the initiative to participate in 'Karmavir Karandak' Street play competition at Dr. Babasaheb Ambedkar College, Aundh on 4th and 5th January 2022. Dr. Abaso Shinde was in-charge and 12 students of our college participated.

4. Certificate Course - Orientation Program

An orientation program to start the Certificate course in Banking, Finance and Insurance for the final year students of B.A. B.Com. B.B.A. and M. A. and M.Com. was organized in association with Bajaj Finserv on 12th April 2022.

STUDENTS' ACHIEVEMENTS

1. Ms. Vaibhavi Gosavi of SYBA, was one among eight candidates from India, who got selected for the scholarship from Center for Language Education and Cooperation, and Beijing Normal University and completed a course in Traditional Chinese Philosophy: Human Nature and Virtue.
2. Ms. Avnisha of SYBA, won third prize in National Level Online Competition organized by Department of Physics on the occasion of National Science Day on 28th February 2022.
3. Ms. Siddhi Deshmane of SYBA, won third prize in online Hindi Hand Writing competition during Yuva Saptah on 10th January 2022.

ALUMNI ACHIEVEMENTS

1. Mr. Kudale Ashok Tukaram was awarded Ph.D. in Economics on 16th November 2021 for the topic titled "Teji va Mandiche Pune Jilliyatil Automobile kshetratil Laghu va Madhyam Udyogavaril Parinam".
2. Ms. Amruta Karvande was Felicitated and received 'Yuva Puraskar' at the hands of Maharashtra Governor, B.S. Koshyari.
3. Mr. Kishor H. Muthe got selected for Ph. D.

admission in B.G. College, Sanghvi in 2021-22.

4. Ms. Swati Ahire cleared SET Exam
5. Mr. Ajay Rathod cleared SET Exam
6. Mr. Angad Sakhare cleared SET Exam

STAFF ACHIEVEMENTS

Prof. Namdev Doke

Coordinator, University Examination, Faculty of Humanities, S.P.P.U.

Books Published:

- i. Microeconomics, M.A. Part-I, School of Open Learning (D.E.P.) Savitribai Phule Pune University, Vikas Publishing House Pvt. Ltd. 2021.
- ii. Public Finance, M.A. Part-I, School of Open Learning (D.E.P.) Savitribai Phule Pune University, Vikas Publishing House Pvt. Ltd. 2021.
- iii. Macroeconomics, M.A. Part-II, School of Open Learning (D.E.P.) Savitribai Phule Pune University, Vikas Publishing House Pvt. Ltd. 2021.
- iv. Macroeconomics, S.Y.B.A, School of Open Learning (D.E.P.) Savitribai Phule Pune University, Vikas Publishing House Pvt. Ltd. 2021.
- v. Macroeconomics, S.Y.B.Com., School of Open Learning (D.E.P.) Savitribai Phule Pune University, Vikas Publishing House Pvt. Ltd. 2021.
- vi. Comparative Foreign Banking - II, T.Y.B.Com. Distance Learning Center, S.N.D.T. University, Mumbai. 2021
- vii. Comparative Foreign Banking - III, T.Y.B.Com. Distance Learning Center, S.N.D.T. University, Mumbai. 2021

Dr. Shinde Abaso Hariba

1. Subject Expert - BOS at T.C. College Baramati, Pune on 7th October 2022.
2. Opinion on Union Budget 2022 was published in Lokmat on 2nd February 2022.
3. Participated in One Day Workshop on Revised Guidelines for "NAAC Accreditation- A Quality Initiative Programme" by IQAC, Modern Law College on 5th March 2022.
4. Lectures recorded for INDIRA GANDHI NATIONAL OPEN UNIVERSITY, NEW DELHI, Swayam Prabha TV Channel, Online YouTube Live Lecture, Course Code-BECE-145, India Economy- 1 Topic-Block-1 to 4 Date: 13, 20, 24, 21 7 June 2022 and 5, 15 July 2022.
5. Coordinator of Indian Red Cross and Life Long Learning and Extension Activity.
Prof. B.G. Sawai Shikre
Books Published

- i. Demography and Environmental Economics, M.A. Part-II, School of Open Learning (D.E.P.) Savitribai Phule Pune University, Vikas Publishing House Pvt.Ltd.2021.
- ii. Public Finance, M.A. Part-I, School of Open

Learning (D.E.P.) Savitribai Phule Pune University, Vikas Publishing House Pvt. Ltd. 2021.

Prof. Namdev Doke
HoD, Economics



Eco: Mr. Bipin Devkar, Deputy Director, EPW Research Foundation India Time Series, Mumbai, being felicitated by Dr. Abaso Shinde during Financial Literacy Programme on 18th October 2021, also seen is Dr. Kailas Bavale, Director, Dr. Dhanjayrao Gadgil, Shashwat Gram Vikas Kendra, Pune.



Eco: Students Ganesh Adhav from MA-II and Shweta Pashankar from SYBA, and staff Dr. Abaso Shinde and Prof. Sawaishikhre at a stall in Bhimtadi Jatra on 24/12/2021.

DEPARTMENT OF ENGLISH

DEPARTMENTAL REPORT

French for Beginners: The Department conducted a Certificate Course in French Language in this academic year 2021-2022. Thirty students from all faculties were part of this online certificate course for 40 days.

Certificate Course in Spoken English: A Certificate Course in Spoken English was conducted by the Department of English, Modern College of Arts, Science and Commerce, Ganeshkhind, Pune-16. This academic year 52 students were taught through online mode.

Polaris: A Career Guidance Workshop: The Department of English organized a virtual Career Guidance Workshop for students of English on 8th September 2021. Students were made aware about the new fields of opportunity with an English Degree. Resource Persons of this one day Workshop were Dr. Atul Patil, Director at School of Holistic Development, MIT ADT University and Mr. Yogesh Borate, Assistant Professor, Department of Communication and Journalism SavitriBai Phule Pune University.

Aurora: E magazine Volume 4: Our online magazine "*aurora - Literally the Literary: Confessions of Literaholics*" is an initiative taken by the students, for the students in order to promote the art of writing, develop a passion for reading and take a curious interest into the world of literature. The Department

has successfully published the fourth volume that has write-ups ranging from a bunch of poems, essays a short story, a book review and even a crossword. The theme of this volume was Illusions.

Odyssey: In house Journal Volume 6: The fifth volume of the In-house journal of the English Department, ODYSSEY was released during the inauguration function of The Great Indian Book Tour in the presence of our Principal. Dr. Sanjay Kharat and Vice Principals of all three faculties, Dr. Jyoti Gagangras, Dr. Shubhangi Joshi and Prof. Swati Kandharkar. The theme of ODYSSEY for this year was Kingsuki: A Art of Finding Beauty in Imperfections. Students wrote articles, poems and shared their thoughts and ideas about their understanding and discoveries of beauty in all aspects of life through this wonderful medium. Student editorial team under the guidance of the teachers of the department successfully compiled and designed the journal. The students through this activity tried to enrich their writing skills along with imaginative and descriptive aptitude.

Litcarnation: A Literary Carnival: Department of English organized its much awaited activity Litcarnation: A Literary Carnival on 29th January 2022. Through a virtual mode the whole event was enjoyed by the participants and students of the college. A video was made, edited and presented by

the students of the English Department. Student dressed as the popular characters from Literature, fantasy and films showcased their talent and promoted their love for languages and literature. Interesting online games were also a part of this Carnival. This innovative activity and its efforts were lauded and appreciated by members of Management Council Prof. Suresh Todkar and Prof. Prakash Dixit and Principal Dr. Sanjay Kharat.

Writers' Unboxed and Caption Contest: On the occasion of Youth Festival the Department of English organized Caption Contest and Writers' Unboxed: A Creative Writing Competition on 10th January 2022. Students from all the streams participated in these competitions.

Film Show: The Department of English organized a film show to help the students understand the text in a more comprehensive manner. Jane Austen's *Pride and Prejudice* was screened for the students of English Special.

Celebration of Tagore's Birth Anniversary: Students of English Department celebrated Gurudev Rabindranath Tagore's 161st Birth Anniversary on May 9, 2022. Students dressed in white outfits to pay a humble tribute to the poet recited poems and sang songs written by Tagore.

Teachers Achievements

Dr. Shampa Chakravarty

- Co-ordinator of "POLARIS"- A One-Day Workshop on "Exploring Career Avenues in English" organized by the Department of English, Modern College, Ganeshkhind on September 8, 2021
- Co-ordinator of "The Great Indian Book Tour"- Book Talk & Book Fair organized by Department of Languages and the Central Library, Modern College, Ganeshkhind from 6-8 April, 2022
- Associated with School of Open Learning for proof-reading of their study-material
- Invited as judge for Blog Writing Competition on 'Gender'-Awareness, Equality and Sensitization organized by Modern Law College on September 7, 2021
- Participated in a One-Week Faculty Development Program on "Literary Theory and Criticism" organized by Department of English, KTHM College, Nashik under the UGC STRIDE Component-I (Research & Capacity Building) from August 23-28, 2021
- Participated in a National Webinar on "Teachers' e-Kit: A Four Quadrant Approach for Development of OERs for Higher Education" organized by Guru Angad Dev TLC, SGTB Khalsa College, University of Delhi under the PMMMNMTT of Ministry of

Education on September 9, 2021

- Participated in One Day Workshop on Revised Guidelines for NAAC Accreditation, a Quality Initiative Program by IQAC, Modern Law College, Ganeshkhind, Pune on March 5, 2022

Dr. Sandeep Sanap

Associate Professor

Articles in Journal:

1. Postmodern Themes in the Selected Novels of Indian Women Novelists
LangLit An International Peer-Reviewed Open Access Journal, VOL.8, ISSUE-2, Nov 2021, ISSN 2349-5189
2. A Postmodernist Reading of *The Inheritance of Loss* by Kiran Desai
Sanshodhak, UGC CARE List Journal, Special Issue, March-2022, ISSN No – 2394-5990
3. A Postmodernist Reading of *The Better Man* by Anita Nair
LangLit An International Peer-Reviewed Open Access Journal, VOL.8, ISSUE-2, March- 2022 ISSN 2349-5189

Paper Presentation in Conference/Seminar:

Presented a Research Paper in an International Conference on Nation and Narrations: Inquiries into History, Politics, Society, Culture, Literature and Democracy organized by The English Educators Society, Ambajogain association with Milliyya Arts, Science and Management Science College, Beed.

FDP/Seminars completed/attended:

1. Completed an ONLINE REFRESHER COURSE/ TWO WEEK FACULTY DEVELOPMENT PROGRAM on *Outcome based Education and Technology in Higher Education*, 14th July to 03rd August 2021, organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of Ministry of Education. The participant has obtained GRADE "A" as required for promotion under CAS of UGC and AICTE
2. Attended **One Day Online National Webinar** entitled "**The Importance of Data Visualization**" organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of Ministry of Education on 10th August 2021.
3. Completed a One Week Faculty Development Programme on "**Literary Theory and Criticism**" organized (online) by Department of English, KTHM College, Nashik (Maharashtra) under UGC

STRIDE Component - I (Research and Capacity Building) between 23 and 28 August 2021

4. Attended a **National Webinar** entitled **"Teacher's e-Kit: A Four Quadrant Approach for Development of OERs for Higher Education"** organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of Ministry of Education on **09th September 2021**
5. Completed a **Faculty Development Programme on History of English Language and Literature** organized by NPTEL-AICTE, IIT Madras, July to October 2021 (12 Weeks), with 78% (Elite+Silver)
6. Attended a National Webinar on **"Nation, Identity and Literature: Reflections on India's 75 Years of Independence"** organized by the Department of English, Symbiosis College of Arts and Commerce, Pune, on January 29, 2022.
7. Completed a Five days **Civil Defence Training Workshop** organized by Board of Students Development, SPPU, Pune and Civil Defence Force, Govt. of Maharashtra, 7th March to 11th March, 2022.

Dr. Deepanita Bhanja

Assistant Professor

- Member, Organizing Committee "The Great Indian Book Tour"- Book Talk & Book Fair organized by Department of Languages and the Central Library, Modern College, Ganeshkhind from 6-8 April, 2022
- Published an article *"The Unfinished and the Incomplete: Exploring Existential Themes in Aparna Sen's film Iti Mrinalini"* in a book titled Women: Identity, Power and Progress. Ed. Amit Bhowmick.

Europe: Lambert Academic Publishing 2021 ISBN: 978-620-4-71905-4

- Completed an online Non-Credit Course authorized by University of California and offered through Coursera on 'The Strategy of Content Marketing' on May 22, 2021
- Member of organizing committee of English Department's activities; LITCARNATION- A Literary Carnival, Odyssey- an In-house journal, Quest- A Creativity and Curiosity Forum

Mr. Jitender Kumar

Assistant Professor

- Translated a module of a course titled 'English I' for SWAYAM NPTEL offered by IIT Madras in January 2022. (English to Hindi)
- Coordinated session on Criterion 5 of NAAC on 22nd December 2021 in Online National FDP on New Guidelines of AQAR organized by Internal Quality Assurance Cell of Modern College Ganeshkhind, Pune in association with IQAC Cluster India.
- Invited as a Resource Person by Computer Science Department of Modern College Ganeshkhind, Pune for its annual Intercollegiate event 'Interaction 2021-22' to conduct a session of Mock Interview
- Member of organizing committee of English Department's activities; LITCARNATION- A Literary Carnival, Odyssey- an In-house journal, Quest- A Creativity and Curiosity Forum
- Moderated a session of an author, Mr. Vikash Goyal on 6th of April 2022 under The Great Indian Book

Dr. Shampa Chakravathy

HoD of English



The fifth volume of the In-house journal of the English Department, ODYSSEY was released during the inauguration function of The Great Indian Book Tour



Litcarnation : A Literary Carnival Department of English on 29th January 2022.

DEPARTMENT OF GEOGRAPHY

A) Departmental Activities: -

- **Guest Lecture:**
 - 1) **Date:** Tuesday, 21 September 2021
Topic: Preparation of Competitive Exams
Speaker: Dr Vilas Kamble, Head, Department of Geography, Modern College, Shivajinagar, Pune
 - 2) **Date:** Wednesday, 22 September 2021
Topic: Co-curricular Activities in Geography
Speaker: Dr Tushar Shitole, In Charge Principal, Shankarrao Bhelke College, Nasrapur, Pune
 - 3) **Date:** Thursday, 24 September 2021
Topic: Climate Change and Ozone Depletion
Speaker: Dr. S.R. Chaudhary, Retd Principal, Pratap College, Amalner, Jalgon
- **Vaccination Drive:**
College has organised a Vaccination Drive on 29 October 2021 for college staff, students and their parents from 10 am to 4 pm in the college campus. Total 2550 students benefited through this drive.
- **Quiz on account of International Mountain Day**
11 December is observed as International Mountain Day. Department has organised a quiz on account of International Mountain Day on 11 December 2021. Through Google Form, a quiz was scheduled in between 10.00 am to 10.00 pm and 1936 participants attempted this ONLINE Quiz from all over the Country.
- **Farewell to Third Year B.A. students and Guest Lecture:**
On occasion of a Farewell to Third Year students of B.A. (Geography), a Guest Lecture was arranged on 10 June 2022 Mr Ajit Chahal from The Unique Academy, Pune was invited to speak on "Career Guidance". Total 94 students were present.

B) STUDENTS' ACHIEVEMENTS

- Recipient of MPSC PSI Yogesh Tapkir (Batch 2016-19) has successfully cleared MPSC PSI exam in first attempt in March 2022.
- **Scholarship**
Sonawane Gauri Yashwant, student of FYBA class is a recipient of a Scholarship sponsored by JSBSS, Educational Counselling & Assistance Center, Manatha, District Jalna Maharashtra and received amount of Rs. 1060/-.
- **Online Certificate Courses**
 1. Department of Mathematics has conducted Extra Credit Course on Vedic Mathematics from 17 January to 2 February 2022 and 06 students
 2. Department of Physics has organized an Extra

- 3. Sakshi Gade of TYBA student obtained a certificate on successfully completion of Modi Script conducted by Department of History
- 4. Jayesh Thakare of TYBA class and Ashwini Pawar of SYBA class have successfully completed ONLINE course conducted by IIRS, Dehradun from 16/08/2021 to 26/11/2021 (Total duration of 90 hours) on "Basic of RS GIS and GNSS".
- 5. SWAYAM MOOC courses were completed by Rushikesh Tikhile, Shraddha Bhagwat, Swapnil Hippalge, Aishwarya Kalamkar, Dnyanada Saikar, Kunal Patil, Pooja Jaygade of TYBA students.
- **Volunteering at KISAN Agri Show**
Pooja Jaygade, Swatej Wagh, Vishnu Dehadray of TYBA class and Jidnyasa Ghagi from SYBA class have volunteered for KISAN Agri Show from 23-27 March 2022 at Moshi

C) STAFF ACHIEVEMENTS

- **Dr. Sanjay Patil**
 1. **Paper Presented at Seminar / Workshop**
 - Participated and presented a paper on "Pune City-towards Sustainability" during 3 days DGSI International Geography Online Conference held at Patna on 12th Sept 2021.
 - Presented a paper on "Challenges to Sustainable Education – Problems and Prospective" in the IGS International E-Conference conducted from 5-7 August 2021 organised by Department of Geography, Osmania University, Hyderabad, Telangana in association with Indian Geographical Society, Chennai.
 2. **Workshop / Seminar / Conference / Wari**
 - **Co-chaired** a Session on 6/10/2021 from 10.00 to 11.30 am at 42nd IIG Annual Meet 2021 and International E-Conference on Geography for People, Planet, Prosperity and Peace organised by Department of Geography, Savitribai Phule Pune University in association with Institute of Indian Geographers (IIG)
 - Participated in **Pandharpur Wari** from Pune to Saswad with 28 students on 24th June 2022.
 3. **Resource Person / Guest Lecturer**
 - Invited as a Resource Person in Webinar by Sahakar Maharshi Bhausaheb Santuji Thorat College of Arts, Science and Commerce, **Sangamner**, Dist Ahmednagar on 9th July 2021 on the topic "New Types of Tourism and Sustainability".
 - Invited as a Resource Person at J.A.T. Arts, Science

and Commerce College (for Women) **Malegaon**, Nashik on 11 July 2021 and delivered a lecture on "World Population Day".

- Invited as a Resource Person at JAT Mahila College, Malegaon, Nasik on 16th March 2022 on Indian Agricultural Problems and Solutions.
- Invited as a Resource Person at PhD course lecture series on 'New Avenues in Tourism Geography' at **SP College**, Pune on 9th Sept 2021.
- Invited as a Resource Person on topic 'Ozone: Importance, Depletion, Effects & Solutions' at Arts Com Science College, **Manmad** on 16th Sept 2021.
- Invited as a Resource Person on 'My Experience of Leh Ladakh & Kanyakumari' at **H V Desai College**, Pune on 7th Jan 2022.
- Invited as a Resource Person on topic 'New Entrepreneurial Avenues in Tourism Industry' at Modern College, Ganeshkhind, Pune in one week workshop on NEP 2020 : New Engagements under IQAC and ICC initiative from 2 to 9 July 2022 along with academic visit at DLRC on 9th July 2022.

4. Subject Expert/ Judge

- Invited as a member of **Equivalence Committee** by Maharashtra State Board of Secondary and Higher Secondary Education, Pune, for 11th & 12th board admission, during 2021-22.
- Invited as a subject expert at **Dr Babasaheb Ambedkar College**, Yerwada, Pune on 22 Sept 2021.
- Invited as a subject expert for MPSC Mock Interview at Rajarshi Shahu Academy on 15th

April 2022.

5. Faculty Development Program

- Attended online two weeks Faculty Development Program organised by Ramanujan College, University of Delhi, Delhi under PMMMNMTT TLC in collaboration with Gramin College, Kotygyal, Nanded and Sambhaji College, Murud, Nanded from 26 June to 10 July 2022.

6. E Governance at College level

- Working as an Admission Committee In charge for SYBA class
- Member of Criterion 7
- Member in Exam Committee

Prof. Motilal More

- Worked as **Internal Exam in charge** of Arts and conducted Backlog, regular and re-examination during an academic year 2020-21.
- Worked as Admission Committee in charge for FYBA class.

Mrs. Jyoti Acharya

- Participated and presented a research paper entitled 'Study of Traffic Related Issues in Industrial Township of Pimpri Chinchwad' during the National Web Conference on 'Environment, Development, and Livelihood: Sustaining Earth and People' jointly organized by Department of Geography, Savitribai Phule Pune University, Pune and Institute of Indian Geographers from 10-12 June 2021.

Dr. Sanjay Patil
HoD of Geography

DEPARTMENT OF HISTORY

➤ Departmental Activities

• Competitive Exam Lecture

Department of History organized a special guest lecture on competitive Exam, in 4th September 11.00AM To 12.00PM an online platform (Google meet). Total 67 students attended the lecture, Mr. Madhav Thail (Audit and account officer Nashik) was Guided Students.

• Three day Lecture Series on the topic "An Account of Independence, Voice of the Margine : Nomadic Tribes, LGBTQ+ & Women's Movement

As a part of the celebration of 'Azadi ka Amrutmohatsav' Department of History organized this lecture series in 16 Sept. to 18 Sept. 2021. All Sessions were conducted on online platform of Google Meet.

16th September 2021, 11.00 AM to 12.00 PM

Topic: Post independent Government policies about

Vimukta Jati and Nomadic Tribes.

By - Shri. Namdev Chavan

District Judge (Retd.) Pune.

17th September 2021, 11.00 AM to 12.00 PM

Topic: Post independent LGBT movement in India -

By Suresh khole

Founder of Sampathik trust, Pune.

18th September 2021, 11.00 AM to 12.00 PM

Topic: Post independent women's movement'

By- Dr. Sneha Gole Assistant Professor, Krantijyoti Savitribai Phule Women's & Gender Studies Centre, SPPU

Total Participants 135

• Kaun Banega ?History Scholar!!

Department of History organizes an inter college Quiz competition *Kaun Banega History Scholar* every year. This year the competition was conducted on an online platform. This competition was

organized as a part of *Yuva Saptah*. It contained questions on Ancient, Medieval, modern India and World History. 50 Multiple choice. It was organized on 10th January 2022. Total 227 students participated in the activity. Students from 32 colleges took part in the competition.

• **Modi Script Certificate Course**

Since last 10 years, the department is consistently organizing the Modi Script Course. This year it was organized from 16 Feb. to 6th March 2022. we conducted this Course by In House Faculty. Shweta Sawale Assistant Professor of History Department had conducted this class and taught the basics of Modi.

During this Course we arranged two Guest lectures by Expertise. We invited Mr. Girish Mandke for guided our students on the topic of Impotence of Modi script, on date Thursday 3rd March 2022, Time 6:00 PM, and We also invited Dr. Gunjan Garud for guided our students on the topic of Importance of Historical Documents of Modi script on date Thursday 4th March 2022, Time 5:00 PM.

5th March we Conducted Practical Exam Viva of Students and 6th March 2022 we Scheduled Written Exam for 20 marks. This year we conducted whole course through online Mode. Total 80 students were enrolled in the course.

• **Celebration of Birth anniversary Savitribai Phule**

The department of History organized a program on the occasion of Savitribai Phule Birth anniversary on 3rd January 2021. Students expressed their views about the contribution of Savitribai Phule through poems & Speech. 36 participant attend this Program

➤ **Faculty Achievements**

• **Dr. Shweta Sawale**

- ❖ Delivered a lecture on the occasion of Celebration of Shiv Jayanti/Birth Anniversary of Chhatrapati Shivaji Maharaj at Modern College, Ganeshkhind, Pune on 19th February, 2022.
- ❖ Delivered a lecture on the occasion of Celebration of Dr. Babasaheb Ambedkar Jayanti /Birth Anniversary at Modern College, Ganeshkhind, Pune, on 14th April, 2022.

• **Pournima Gaikwad**

- ❖ Qualified NET & SET
- ❖ Enrolled for the PhD programme In the department of History, SPPU. Pune.
- ❖ Secured the NFSC fellowship for doctoral research

• **Mr. Vivek Jadhavar**

- ❖ Published one research paper in International Conference organized by Loknete Vyankatrao

Hiray Arts, Science and Commerce College, Nashik from 1st to 3rd October 2021

- ❖ Participated in "One Day Interdisciplinary National E-Conference" on "THE CONTRIBUTION OF MAHATMA GANDHI IN INDIAN FREEDOM STRUGGLE" held on 29 October 2021, organized by Bahirji Smarak Mahavidyalaya & Shri Yoganand Swami Arts College, Basmath, Dist Hingoli
 - ❖ Participated in "Fit India Freedom Run 2.0" Organized by Department of Sports & Physical Education, SPPU from 29 August to 02 October, 2021
 - ❖ Delivered a lecture on "Oral History" under lecture series 'Documenting traditional Knowledge' on 23rd July 2021 organised by KTHM College under UGC Sponsored STRIDE Scheme.
 - ❖ Conducted 14 Training programmes on RTI Act. 2005 for SP Office Solapur, CP office, Thane, CID Pune, TRTI Pune, YASHADA, CIRT, RAMETI, Pune etc
- #### • **Sagar Naik**
- ❖ Published a book Review in Loksatta (Book by Michael Holding - Why we kneel How we rise)
 - Published a research article in Sarvanksh Quarterly "From Springboks to Proteas: Reservation in Cricket South Africa)
 - ❖ Published an article in Divya Marathi Rasik on Race and racism and Kneeling in Cricket.
 - Delivered two speeches on Akashwani Aurangabad on Shaheed Bhagatsingh and his revolutionary thoughts

➤ **Students Achievements**

- **Avinash Murumkar** (SYBS History) - awarded by Prerana Puraskar (Alumni Sponsored Scholarship)
- **Tejas Salukhe** (SYBS History) - Participated in Internship program of Dnyanprabodhini - Visit to Assam to conduct Science Workshops for School level Students in Assam under Gyanprabodhini's Gyan Setu.
- **Shilla Kumbhar** (SYBS History) - Secured 1st rank in Koun Banega History Scholar !! Intercollegiate quiz Competition, organized by Modern College Ganeshkhind Pune.
- ❖ Published one research paper in International Conference organized by Loknete Vyankatrao Hiray Arts, Science and Commerce College, Nashik from 1st to 3rd October 2021
- ❖ Participated in "One Day Interdisciplinary National E-Conference" on "THE CONTRIBUTION

OF MAHATMA GANDHI IN INDIAN FREEDOM STRUGGLE" held on 29 October 2021, organized by Bahirji Smarak Mahavidyalaya & Shri Yoganand Swami Arts College, Basmath, Dist Hingoli

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- ❖ Conducted 14 Training programmes on RTI Act. 2005 for SP Office Solapur, CP office, Thane, CID Pune, TRTI Pune, YASHADA, CIRT, RAMETI, Pune etc.

Dr. Jyoti Gagangras
Vice Principal
HoD of History



Tree day Lecture Series on the topic "An Account of Independence, Voice of the Margine : Nomadic Tribes, LGBTQ+ & Women's Movement"



Celebration of Savitribai Phule's birth anniversary

मराठी विभाग अहवाल

मराठी भाषा गौरव दिन - मराठी भाषा दिनाच्या निमित्ताने दरवर्षी २७ फेब्रुवारी हा ज्ञानपीठकर वि. वा. शिरवाडकरांचा जन्मदिन मराठी भाषा गौरव दिन म्हणून साजरा केला जातो. दिनांक २८ फेब्रुवारी २०२२ रोजी (सोमवार) महाविद्यालयाच्या ग्रंथालय, राज्यशास्त्र विभाग व मराठी विभागातर्फे मराठी भाषा दिन उत्साहात साजरा करण्यात आला. या दिनाचे औचित्य साधून 'माझे कादंबरी लेखन '१२ जुलै १९६९' या पानशेत धरण फुटीच्या संदर्भातील कादंबरी लेखनाचा प्रवास या विषयावर मा. वक्त्या आश्लेषा महाजन (सुप्रसिद्ध कवयित्री व कादंबरीकार) यांचे व्याख्यान आयोजित करण्यात आले होते. या उपक्रमांतर्गत मातृभाषेची महती सांगणाऱ्या मराठी कवितांचे वाचन विद्यार्थ्यांनी केले. शिवानी जावळे, अश्विनी पवार, साक्षी जाधव या विद्यार्थिनींनी कार्यक्रमाचे संयोजन केले. या कार्यक्रमाच्या वेळी कला शाखेच्या उपप्राचार्य डॉ. ज्योती गगनग्रास व विविध शाखेचे प्राध्यापक उपस्थित होते. या कार्यक्रमाला कला व वाणिज्य शाखेचे ७५ विद्यार्थी उपस्थित होते. या कार्यक्रमाचे आयोजन ऑनलाईन पद्धतीने केले होते.

मराठी साहित्य प्रश्नंजुषा :- या कार्यक्रमाच्या निमित्ताने मराठी विभागाच्यावतीने मराठी साहित्याची गोडी विद्यार्थ्यांना लागवी म्हणून मराठी भाषेतील साहित्यावर आधारित प्रश्नंजुषा गुगल फॉर्म च्या द्वारे विद्यार्थ्यांकडून सोडवून घेण्यात आली. १९८ विद्यार्थ्यांनी ही प्रश्नंजुषा सोडवली.

मराठी भाषा संवर्धन पंधरवाडा १५ जानेवारी ते २८ जानेवारी २०२२ मॉडर्न महाविद्यालय, गणेशखिंड, पुणे या आमच्या महाविद्यालयात 'मराठी भाषा संवर्धन पंधरवाडा' उत्साहात साजरा करण्यात आला. या निमित्ताने महाविद्यालयात विविध उपक्रम राबविण्यात आले. मराठी भाषेचा प्रचार, प्रसार व्हावा या भूमिकेतून हे उपक्रम राबविण्यात आले. तसेच मराठी साहित्याचे आकलन व्हावे, दर्जेदार मराठी पुस्तकांचा परिचय व्हावा, विद्यार्थ्यांमध्ये भाषिक कौशल्याचा विकास व्हावा, हा उद्देश ही या

आयोजनामागे होता. या निमित्ताने पुढील उपक्रम घेण्यात आले.

१) क्रांतीज्योती सावित्रीबाई फुले यांच्या साहित्याचे वाचन - हा उपक्रम मराठी विभाग आणि ग्रंथालय यांच्या सहकार्याने घेण्यात आला. यावेळी अश्विनी पवार, आभा जोशी, शिवानी जावळे, अनुशा भानप, बेला पंढरपूर या विद्यार्थिनींनी सावित्रीबाई फुले यांच्या काव्यफुले या कविता संग्रहातील कवितांचे सादरीकरण केले. प्रा. डॉ. गौरी कोपर्डेकर यांनी सावित्रीबाई फुले यांनी महात्मा ज्योतिबा फुले यांना लिहिलेल्या पत्राचे वाचन केले. या कार्यक्रमाचे प्रास्ताविक डॉ. संस्कृती आवलगावकर यांनी केले. ग्रंथपाल डॉ. संगीता दमढेरे यांनी व माननीय प्राचार्य डॉ. संजय खरात यांनी सावित्री यांच्या साहित्याबद्दल गौरवोद्गार काढले. मराठी भाषेतील अत्यंत बहुमोल अशा क्रांतीज्योती सावित्रीबाई फुलेंच्या साहित्याची ओळख या उपक्रमामुळे झाली.

२) मॉडर्न वाचन कट्टा - ग्रंथालय आणि भाषा विभागातर्फे 'फेसबुक पेज' च्या माध्यमातून मॉडर्न वाचन कट्टा सुरु करण्यात आला. या नवसमाज माध्यमातून विद्यार्थ्यांना विविध पुस्तकांची माहिती होणार आहे. तसेच त्यांनी व शिक्षकांनी वाचलेल्या विविध पुस्तकाच्या परीक्षणाच्या माध्यमातून वाचकापर्यंत पोहचणार आहे. वाचन संस्कृती विकसित होण्यासाठी या मॉडर्न कट्ट्याचा निश्चितच उपयोग होईल.

३) हस्ताक्षर स्पर्धा - मराठी भाषेच्या प्रथम वर्ष कला व प्रथम वर्ष वाणिज्यशाखेच्या विद्यार्थ्यांनी हस्ताक्षर स्पर्धेत सहभाग नोंदविला. व्हाट्स अँप ग्रुप च्या माध्यमातून या विद्यार्थ्यांनी आपले लेखन सादर केले. या स्पर्धेचा निकाल पुढील प्रमाणे - १) शीतल कोंढलकर (FYBCOM) - प्रथम क्रमांक २) स्मिता मिरगुडे (FYBCOM) - द्वितीय क्रमांक, ३) धैवत प्रसाद आपटे - तृतीय क्रमांक (FYBCOM)

४) ग्रंथपरीक्षण स्पर्धा - या स्पर्धेमध्ये ७० विद्यार्थ्यांनी आपल्याला आवडलेल्या पुस्तकाचे परीक्षण केले. या निमित्ताने ययाती, मृत्युंजय, श्यामची आई, युगंधर, वैजयंता, फकिरा, अमृतवेल, बनगरवाडी, अग्निपंख,

मन मे है विश्वास इत्यादी पुस्तकांवर आपली मते व्यक्त केली. या स्पर्धेचा निकाल पुढील प्रमाणे-१) अश्विनी पवार (SYBA)- बनगरवाडी (व्यंकटेश माडगूळकर) प्रथम क्रमांक, २) अर्जुन खनपटे (FYBA)- वैजयंता (अण्णाभाऊ साठे) द्वितीय क्रमांक, ३) शिवानी कांबळे (SYBA)- अमृतवेल -वि. स. खांडेकर तृतीय क्रमांक, ४) अदिती देशमुख (FYBCOM) नॉट विदाऊट माय डॉटर उत्तेजनार्थ

काव्यवाचन स्पर्धा -स्वामी विवेकानंद जयंतीच्या निमित्ताने युवाससाहाच्या अंतर्गत स्वरचित व इतर मान्यवर कवींच्या कविता वाचनाचा उपक्रम या निमित्ताने घेण्यात आला. ही स्पर्धा ऑनलाइन घेण्यात आली. ४१ विद्यार्थीनी या स्पर्धेत कविता वाचन केले. या **स्पर्धेचा निकाल पुढील प्रमाणे** -१) करण सोलसे (MSc) -प्रथम क्रमांक, २) प्रमोद घोरपडे (MSc) द्वितीय क्रमांक (विभागून), ऐश्वर्या नेहे (MSc) - द्वितीय क्रमांक (विभागून), ३)संकेत दिनगर (SYB Com)- तृतीय क्रमांक विभागून, ३) कशीस काटकर (FYBA) - तृतीय क्रमांक (विभागून), ४) प्रियांका साठे -TYBA-उत्तेजनार्थ

• शिक्षकांची कामगिरी - डॉ संस्कृती आवलगावकर

१) ललितगद्य : संशोधनाच्या काही दिशा- डॉ.संस्कृती आवलगावकर, मराठी साहित्यसंशोधन: नव्या दिशा, संपादक- डॉ अविनाश आवलगावकर, शब्दवैभव प्रकाशन पुणे. ISBN :९७८-९३-९२००४-०१-८

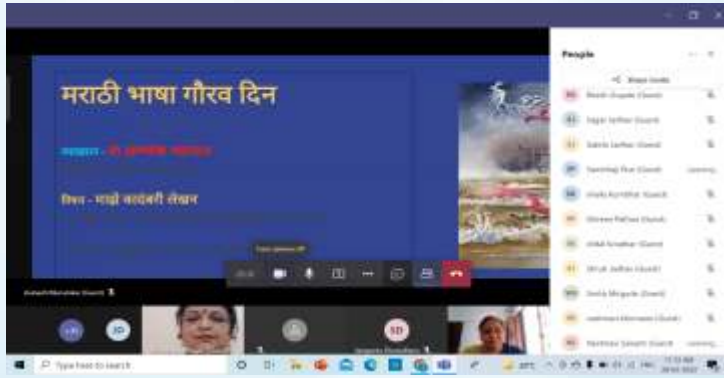
२) डॉ. श्रीधर व्यंकटेश केतकर ह्यांचा समीक्षाविचार, डॉ.संस्कृती आवलगावकर, मराठी साहित्याचा पूर्वर्ग, संपादक प्राचार्य डॉ. अविनाश सांगोलेकर, डॉ. रा. गो. चवरे, चिन्मय प्रकाशन, औरंगाबाद ISBN - ९७८-८१-९५३८८१-६-५

परीक्षक-महाराष्ट्र शासनाच्या सह -संचालक (उच्च शिक्षण) कार्यालयातर्फे राष्ट्रीय मतदार दिवसाच्या निमित्ताने आयोजित करण्यात आलेल्या व कांतीज्योती सावित्रीबाई फुले यांच्या जयंती निमित्ताने आयोजित केलेल्या निबंध लेखन स्पर्धेचे परीक्षण केले.

व्याख्यान - 'मराठी भाषा गौरव दिनाच्या निमित्ताने इन्स्टिट्यूट ऑफ बिसिनेस मॅनेजमेंट अँड रिसर्च' या महाविद्यालयातील विद्यार्थ्यांसाठी 'वाचू आनंदे' या विषयावर व्याख्यान दिले .

डॉ .संस्कृती आवलगावकर
मराठी विभागप्रमुख

प्रकाशित लेख



DEPARTMENT OF POLITICAL SCIENCE

5 March 2021

IQAC Meeting with the colleague Rajendra Bhoiwar to discuss the **plan for next academic year** about the **bridge course** to be conducted and plan for continuous evaluation under CBCS for **FYBA**.

23 to 25 Sept 2021

Bridge Course : Majority of the students come from science background, need special orientation and bridging the gap hence the Bridge course was organised for FYBA students on basic concepts and introduction to political science. New CBEC pattern and a revised syllabus system has been introduced from 2019-20 academic year.

27 September 2021

Lecture on Constitution at FYBA Induction Programme

26 November 2021

Constitution Day Celebration : A joint programme

with Kothrud LA Constituency office was organised. A presentation on India's Constitution and Movies was delivered by Rajendra Bhoiwar. He elaborated importance of elections in a democratic framework and voting behaviour by screening films viz. Court, Section 375, Article 15, Newton, and Jai Bhim.

Mr. Swapnil Kholam, Nayab Tehsildar delivered a speech on voter awareness and appealed students to register as voters. ---- participants attended the programme.

4 December 2021

A lecture on Civic Education for TYBA Generic Elective Credit course

3 January 2022

Fundamental Duties' Day: conducted a lecture for FYBA English and Marathi Medium separately as a co-curricular activity. Fundamental Duties are a part of Syllabus at FY level. A presentation on introduction

and importance of duties was delivered. Students read out duties. Total student participants : 38+

3 January 2022

Remembering Savitribai Phule: a short film was screened and role of Savitribai Phule was explained in a programme to commemorate birth anniversary of Savitribai Phule.

25 Jan 2022

12th National Voters' Day: Electoral Literacy for Stronger Democracy : a joint event with Jt Director office of Higher Education, GOM. Essay Competition and Drawing competition was held which got enthused response from different colleges. 300 Essays and 85 Drawings.

Rajendra Bhoiwar addressed the students of Political Science on National Voters' Day. Participants: 38

Teachers Achievements

Dr. Gauri Kopardekar

20 to 23 Dec 2021 Attended online National FDP on New Guidelines of AQAR organised jointly by IQAC, MCGK and IQAC Cluster India. Day-co-ordinator and a presenter on the concluding day.

25 January 2022 Resource Person at PES Modern College of Arts, Science and Commerce, Warje on the occasion of National Voters' Day

31 January and Resource Person : Certificate Course on 'Women, Power and Politics'

1 February 2022 Module III on Indian Feminism by Modern Law College

24 & 26 April 2022 Panel Member for Panel Discussion at Faculty Development Programme on 'Academic Writing in Research' organised by G.M.N. College Ambala Cantt in collaboration with IQAC Cluster, South India, sponsored by Director, Higher Education, Haryana. Conducted session on ' Review of Literature : Story to Tell' and '**Formulating Title and Abstract**'.

Interdisciplinary teaching 6 & 7 Dec 2021 Introduction to Constitution a Compulsory Credit for all 2nd year PG students of MA, M Com and M Sc. 23 December 2021

Rajendra Bhoiwar

23 September 2021 Resource Person on 'History of

Journalism : Post-Independence era' at the Certificate Course on Journalism organised by Khare Dhore College, Ratnagiri

5 and 6 Feb 2022 Resource Person on 'Good Governance' for Compulsory Credit on Democracy at Shahu College, Pune

Pursuing Ph. D. from the Department of Political Science, SPPU on Political Mobilisation at local level in Maharashtra (महाराष्ट्रातील स्थानिक पातळीवरील राजकीय कृतीप्रवणता)

Worked as a Research Assistant for research Project 'Cultural Heritage and Identities of Europe's Future' (CHIEF), European Union and SPPU Pune, for a period of 11 months during 2022

Publications

• केरळमध्ये भाजपा अपयशी का ठरली? द वायर मराठी (वेबपोर्टल) - 18 July 2021

• पुणे महानगरपालिकेत परिघावरील गावांचा समावेश : बदलते अर्थ- राजकारण, महाराष्ट्र वार्षिकी, २०२२, युनिक अकॅडमी पब्लिकेशन प्रा. लि. ISBN No. 9 789392 362132

• भारतीय राज्यघटना आणि चित्रपट, द वायर मराठी (वेबपोर्टल) 26 Jan. 2022

• मणिपूर : काँग्रेस - भाजप अटीतटीची लढत, कर्तव्य साधना (वेबपोर्टल) - 20 Feb. 2022

• उत्तर प्रदेश : प्रियंका गांधीचे 'महिलाराज', कर्तव्य साधना (वेबपोर्टल) - 2७ Feb. 2022

• उत्तर प्रदेश : निवडणुकीच्या राजकारणातील दलित अस्मिता, द वायर मराठी (वेबपोर्टल) - ६ March 2022

• मायावतीचा हत्ती रूतला कुठे ?, द वायर मराठी (वेबपोर्टल) - 9 March 2022

• उत्तर प्रदेशात दलित मतांची भाजपकडे वाटचाल, द वायर मराठी (वेबपोर्टल) - 13 March 2022

• मणिपूर : भाजपच्या 'शून्यातून बहुमताकडे' विजयाचे रहस्य, कर्तव्य साधना (वेबपोर्टल) - १६ March 2022

• भारतीय संविधान आणि चित्रपट, विचारशलाका त्रैमासिक, एप्रिल 20२२ to मार्च २०२३ (Marathi) ISSN-2229-7901 UGC Care Listed. पृ. 443-455

Dr. Gauri Kopardekar
HoD of Political Science



DEPARTMENT OF PSYCHOLOGY

Induction Program: Staff members from the Department of Psychology conducted a session on 'Mental Health and Counselling Services offered by the Department' for Induction Programs across Faculties of the College. Dr Sadhana Natu, Head, Department of Psychology conducted a session on Gender Sensitization and gave information about the **Anti sexual Harassment Cell** of the College, which she heads. The Department also conducted an in-house induction for students of Psychology special and MA Psychology.

10th September **2021 was commemorated as World Suicide Prevention Day.** Students created e-posters which were displayed on a virtual platform along with a discussion on the importance of spreading awareness that Suicide is Preventable.

On **9th October 2021 the 6th Volume of Mind Scope** the research compendium of the Department of Psychology was released at the hands of Principal Dr Sanjay Kharat. Student's research paper are annually published in this Compendium. During the release students spoke about their experience of undertaking research project at an Undergraduate level and Principal appreciated the efforts of the Department.

To mark Mental Health Month which concludes on 10th November, the Department of Psychology along with **Sruti Disability Centre, Kolkata** organized a collaborative program on the topic, 'Mental Health from a Feminist and Disability Lens'. Few students from the Department conducted a small survey prior to the program to understand the levels of awareness about Disability amongst students. Shampa Sengupta from Sruti Disability Centre spoke about Disability and Mental Health and Dr Sadhana Natu, Head, Department of Psychology addressed the audience about looking at Mental Health and Disability through a Feminist Lens.

During May-June 2021 some students of the Department of Psychology had undertaken various Internship Programs which were held on an online platform. Their learnings and experience from the Internship Program- Koshish was documented in the form of a booklet. Few students who worked with the organization Eklavya as a part of the Internship had prepared a booklet on the Myths and Facts about

Mental Health. This book was published by Eklavya and the Department of Psychology.

Savitribai Phule Jayanti, which was on 3rd January 2022, was commemorated by the Peer Support and Speak Out **platform Disha**. Students read out poems and prose from Feminist Literature.

International Women's Day, 8th March, 2022 was marked by another Disha session where students exchanged their ideas and thoughts about Feminism.

DISHA along with the Competitive Exams Guidance Centre organized a session for students on the topic 'Psychological Preparations for MPSC' on 4th May 2022. Dr. Smita Kulkarni former Deputy Collector spoke to the students about her own experiences.

Alumnus of the college Tukaram Gaikwad shared with the students from his journey of beginning with the dream of joining the Civil Services but then exploring other options.

The 14th **Volume of Kaleidoscope** the annual magazine of the Department of Psychology was released by Principal Dr Sanjay Kharat and Mr Zameer Kamble Educator and Queer Rights Activist and Dr Sadhana Natu, on 16 March 2022. The theme of the magazine was 'Taboos'. Students had contributed by writing on various topics like Adoption, Abortion, Divorce, Sexuality and much more. The program got a very enthusiastic response.

Master Mind, which is a Psychology, based Quiz was held during the Yuva Saptaha celebrations of the college. Around 100 participants competed in different rounds which included tests of attention, memory, perception.

Dr Sadhana Natu conducted two in house sessions with the UG and PG students of the Department of Psychology. One was 'How to go about planning for further studies after Graduation in Psychology' to address the many queries of the students wanting career guidance and the second was 'Laws' to give a brief to the students about different laws they need to be aware of to become a mental health professional.

Euphoria- creative representations of Psychological. Students performed through song, dance and poetry their interpretation of the theme 'Nostalgia and New Beginnings'.

On 15th June, a Preplacement activity was conducted during which Alumni who are currently working in

different organizations visited the Department and had a Guidance Session with the current PG students. Placement process is on for PG students and is expected to yield good results.

Teacher Achievements

Dr. Sadhana Natu

Resource Person

1. 28 June-30 June 2021 conducted a 3-day online Faculty Development Program for faculty members of Symbiosis International University.
2. 5,6 August 2021 conducted a 2- day online Faculty Development Program for faculty members of IIS Jaipur
3. 25 August 2021 conducted an online session in Faculty Development Program organized by KTHM College Nashik on Qualitative Research
4. 27 August 2021 conducted an online session for students of Department of Political Science Savitribai Phule Pune University on Importance of Mental Health
5. 17 September 2021, online Webinar organized by Mental Health First Aid Organization, spoke on Gender and Mental Health
6. 27 September 2021, spoke on Gender Sensitization in an online session organized by Jammu University
7. 28 October 2021 spoke on Mental Health of Women with Disabilities in the online Webinar organized by National Institute for Empowerment of Persons with Intellectual Disabilities, GOI
8. 12 Nov 2021 spoke on Muslims and Mental Health in an online course organized by Bebaak Collective, Mumbai
9. 22 Nov 2021 spoke on Youth and Mental Health in an online training program organized by Men Against Violence and Abuse of Women, Mumbai
10. 21 December 2021 conducted a training session on Mental Health of DTNT communities: challenges and the way forward in a training program organized by MASUM and ECONET
11. 17-19 Feb 2022 conducted online training on Gender based violence and mental health for Humsafar Trust Lucknow
12. 26 March 2022 Online Parents and Students Counseling Session in a program organized by Radhalaxmi Foundation, Nashik

13. 17 May 2022 was an expert panelist in a session on Institutional Support for Mental Health and wellbeing organized by Impact and Policy Research Institute, IMPRI New Delhi

Consultancy and Expert

1. 5 July 2021 MIT WPU Subject Expert for Interviews
2. 14 August 2021 Doha-Qatar Campus, SPPU Subject Expert for Interviews
3. 17 Nov 2021 Consultation with SNEHA Mumbai on Trauma Informed interventions
4. 20 Nov 2021 DY Patil Member, LIC for Research Centre, SPPU
5. 20 January 2022 MIT WPU Subject Expert for Interviews
6. 10 Feb 2022 Member, Research Advisory Committee, Symbiosis International University
7. 15 March 2022 Sharadabai Pawar College, Baramati, Member, LIC for Research Centre, SPPU
8. 20 May 2022 Subject Expert for Interviews MIT WPU
9. POSH Committee External Expert for LFE

Audio Visual Presence

1. 10 March 2022 Brainberg Interview commemorating International Women's Week
2. April 2022 Podcast on Mental Health
3. BBC Marathi Interview in a podcast after Xth and XIIth standard results.

Publications

- Psychology and Gender: An Introduction, a reference book published by Sage International Publishers, ISBN 9789391370268, New Delhi, August 2021
- Aajchya Tarunanche Manasik Arogya: Ek Streevadi Drushtikshep, Nov 2021, in Purushspandan, Diwali Issue, Mumbai
- Personality Development, ISBN 13 9789354514357, Nirali Publishers, Pune, January 2022
- Adwaita Deshmukh and Sadhana Natu, Invisible Barriers to Performance and Organizational Citizenship Behaviour faced By Minorities, Journal of Psychosocial Research, Vol 17, No 1, June 2022, Mumbai
- Research and Guidance
- Nandini Thatte and Sumita Chavare awarded Ph.D., 1 student work is ongoing
- 4 students registered for Ph.D. In Women's Studies

1 student Co guide
 6 MA students were guided for MA dissertation project.
 LFE Research Expert Adviser, Mental Health Adviser
 Symbiosis School of Economics, Research Adviser
 Expert Peer Reviewer
 Psychological Studies, Springer International, Indian Journal of Medical Ethics,
 Confluence Symbiosis School of Liberal Arts
 Conferences:
 Leading an Invited Symposium on Millennials and

Mental Health in the Developing world: Critical Paradigms, Online Conference of International Congress of Psychology, July 2021
 Leading a Symposium on Psychology and Social Justice Frameworks: The Need for engaging with Critical, Epistemological, Multidisciplinary Perspectives in 31st Annual Convention of National Academy Of Psychology, online conference organized by IIT, Mumbai, 4-6 March 2022

Dr Sadhana Natu
 HoD of Psychology



Release function of the Magazine Kaleidoscope Volume 14 on the theme Taboos.



Students participating in Euphoria which is a platform to creatively express various psychological themes.

DEPARTMENT OF SOCIOLOGY

Signed MOU :

Department of Sociology signed MOU with Janseva Foundation Pune period for this MOU is till 2025.

Poster Making Competition on Social Issues:

Department of Sociology Conducted Poster Competition on Occasion of Azadi ke 75 Years in December 2021 Topic for the Poster Competition : 1) Digital Divide 2) Gender equality 3) Many Indians in one India , 11 Students Participated in the Competition . Dr. Vandana Palsane Former Head Department of Sociology was Judge for the Competition , Following Students Achieved Success in the Competition 1) First Prize- Kajal Gawade – SYBCOM 2) Second Prize – 1) Divya Laxman 2) Trisha Sharma 3) Third Prize – Ganesh Pawar ,Ashwini Pawar, & Shivani Kambale SYBA 4) Consolation Prize – Rutuja Chikhle TYBA.

One Day Workshop: Jointly Organized one Day Workshop with BOD Savitribai Phule Pune University for the Academic year 21-22 Titled: Gerontology: Care (12 May 2022) & Concern & Introduction to Tribal Culture (19 May 2022) Number of students Students Participated

One Day Workshop: Jointly Organized one Day

Workshop with BOD Savitribai Phule Pune University for the Academic year 21-22 Titled Introduction to Tribal Culture(19 May 2022)

Number of students Participated

Staff Achievements:

Dr. Jyoti S. Gagangras, Head Department of Sociology
 Vice Principal Arts & Information Officer

Member Board of Studies /Member Exam Committee of Savitribai Phule Pune University

PhD Research Guide in Sociology

Chairperson NAAC Criterion 6

Books Published :

Dr. Jyoti Gagangras & Shri Chinchalkar Shantanu, Prarabdh Udveli Prakashan Mumbai ISBN: 938715452-1:

Dr. Gagangras J., Dr. Yeole s ,Mr. Lashkar V. Mr. Gaikwad V. TYBA Crime & Society Semester III Nirali Publication : ISBN – 978-93-5451-206-3

Dr. Gagangras J., Dr. Yeole s ,Mr. Lashkar V. Mr. Gaikwad Introduction to Human Rights and Social Justice : ISBN-978-93-5451-634-4

Dr. Gagangras J., Dr. Yeole s ,Mr. Lashkar V. Mr. Gaikwad TYBA Gunha aani Smaj –I Sem III –ISBN –

978-93-5451-184-4

Dr. Gagangras J., Dr. Yeole s, Mr. Lashkar V. Mr. Gaikwad TYBA – Manvi Hakk aani Samajik Nyayacha Prichay – Sem-IV – ISBN 978-93-5451-637-5

Presented & Published Research Paper

Marathi Samajshastr Parishad National Conference held at Ratnagiri Dated: 11 & 12 April 2022 Title of the Paper: Prasar Madhyme aani Samajbhan ISSN 2319-4766 Scholarly research journal for interdisciplinary studies – SJIF=7.380

Attended Webinar / Seminar / Conferences (Online)

Attended One Day National Level Webinar Role of Women Entrepreneur in Atmanirbhar Bharat Organized by 19 October 2021 Organized by Siddhi Vinayak Mahila Mahavidyalaya 19 October 2021

Attended two Days National webinar UGC Scheme for Person with Disabilities On 24 & 25 February 2022 Organized by Department of Sociology, Shivaji University Kolhapur

Attended One Day Webinar on DELNET: Recourses and Services on 22 September 2021

Attended Interdisciplinary International E Conference Women in Globalized World 28 to 30 August 2021 – Organized by Department of Sociology & IQAC DGC Gurgaon Hariyana.

Attended State Level Workshop Cinema Culture and Society on 20 August 2021 Organized by St Mira's College for Girls

Attended workshop has participated in the One Day Workshop on Revised Guidelines for NAAC Accreditation, A Quality Initiative Programme by IQAC, and Modern Law College on 5th March 2022.

FDP and Short Term Courses

Completed UGC Sponsored 7 Days short term course SRT Centre Goa University 18 January to 24 January 2022 Titled: Gender Inequality

Completed Short term Course Research Paper Writings 18 to 23 October 2021

Research initiatives for Department:

Guided 45 Students of TYBA Sociology for Minor Research Projects

Dr. Megha Deshpande : Assistant Professor

-Participated in Academic Writing workshop jointly organized by Department of Sociology, SPPU, and Indian Sociological Society & Anthropological Society of India on November 17th to 22nd 2021.

-Resource person for lecture series “Classical and Contemporary Social Theory: Understanding and Application” on “Althusser: Concept of Ideology in Post Truth World” organized by Shankarrao Chavan

Law College, Pune

-Paper presented in National Conference organized by 'Marathi Samajshashtra Parishad' 11 and 12th April 2022.

-Participated 2 Days Training cum workshop on Social Movements: Theories and Methodologies Conducted by Department of Sociology savitribai phule Pune University Dated 13 & 14 June 16, 2022

Dr. Jayshree Kharche, Assistant Professor

-'प्रसार माध्यमे, सामाजिक बदल व माध्यमसाक्षरतेची गरज' presented published a research paper in Marathi Samajshashtra Parishad organized at Ratnagiri on

-Coordinated a one-day workshop on 'Introduction to Tribal Culture' on 19th May, 2022 in association with Board of Student's Development.

-Invited as resource person for the session on 'Social Innovation' organized by Shri. Shahu Madir College, Pune on 6th and 7th January, 2022.

-Participated 2 Days Training cum workshop on Social Movements: Theories and Methodologies Conducted by Department of Sociology savitribai phule Pune University Dated 13 & 14 June 16, 2022

Mrs Pooja Yadav/ Sawant Assistant Professor

-Writing in monthly magazine सलाम पुणे, (व्यायाम कट्टा) on health/ yoga

- Attended state level online webinar on challenges before recent society of Shivaji College, Hingoli

-Worked as a coordinator for Poster Making Competition on Occasion of Azadi ke 75 Years in December 2021

-Guided 15 Students of TYBA Sociology for Minor Research Projects/ Dissertation

-Participated 2 Days Training cum workshop on Social Movements: Theories and Methodologies Conducted by Department of Sociology savitribai phule Pune University Dated 13 & 14 June 16, 2022

Students Achievement:

Ganesh Pawar , Ashwini Pawar, & Shivani Kambale

-SYBA Special Sociology Students Achieved third Prize in Poster Making Competition Conducted by Department of sociology their topic for Poster was Gender Sensitization.

Summet Pal Singh:

-Participated National level online quiz competition Organized by --Astronomy club –astrophiles of Department of Physics Dated: 28 February 2022

-Participated in MAGNT –IT 2020-21 Dated: 4 February 2021

-Completed State level certificate course in BASIC ASTRONOMY Dated: 1 February to 5 February 2021

-Participated in One day Workshop laboratory safety and maintenance Dated 16 January 2021

-Participated in One day Workshop IMUN Dated: 17 & 18 July

Alumni Achievement:

Pratibha Bhosale Achieved Success in SET / NET Examination

Manisha Dudhwade : Completed her M.A From Tata

Institute of Social Sciences and Placed at Room to Read Reputed NGO

Utkrsha Wakode : Completed her M.A From Azim Premji University and Placed at Samaj Pragati Sahyog Reputed NGO

Dr. Jyoti Gagangras

HoD of Sociology, Vice Principal Arts



DEPARTMENT OF COMMERCE

Workshop of Agro Based Business

The faculty of commerce organized the workshop on 14th May, 2022 for commerce students to create interest about agriculture and agro based business and to educate them about government schemes, funding and registration procedure of same. Sixty seven students participated in it. Dr. Govind Hande (State level Tech. Advisor, Export Dept. of Agriculture, Pune) and Dr. Popatrao Kolekar (Deputy Director of Agriculture, Kolhapur) were resource persons. Dr. Priyanka Bhamare and Aditi Pimpale coordinated the workshop.

Skill Development Course TRAIN HER

This course was conducted for girls to equip them with the knowledge of financial, digital literacy and business planning. It was 30 hours course conducted in association with Learning Link Foundation. Eighteen girl students participated in this course. Business plans of two of our participants were selected by foundation and they were given seed capital. Dr. Priyanka Bhamare was coordinator of the course.

Workshop on Intellectual Property Rights.

The faculty of commerce organized the workshop on 11th May, 2022 for all commerce students to create awareness about benefits of intellectual property rights and registration procedure of it. Sixty seven students

and Mrs. Archana Deshpande (Professor of Modern Law College, Ganeshkind, Pune) were resource persons. Dr. Ananya Bibave focused on need, importance and modes of IPR. Mrs. Archana Deshpande spoke on history of IPR. She further explained registration process of Copyright, Patent, Trademark, Industrial Designs etc.

This workshop was co-ordinated by Dr. Priyanka Bhamare. Prof. Aditi Pimpale assisted in organising workshop.

Future Banking Forum

1 Banking Day Celebration

On 11th Aug 2021 Banking Day was celebrated online in the memory of late C.D. Deshmukh. On this occasion every year the students take pledge to make Indian Banking System more strong and ideal. Our alumni banker Mrs. Sampada Purandare Deputy Director of SBI Mumbai was the resource person and guided students on the roles and responsibilities of every citizen towards banking industry. 96 students were present for this session.

2 Investment Awareness Sessions

On 13th Nov 2021, Capital Market Awareness session of Bombay Stock Exchange was organized on Zoom platform. Mr. Pankaj Mathkar interacted on how investment is important in the early age of one's life.82

Students had attended this session.

On 26th Nov 2021 Mr.Mithilesh Gurao TYBCOM student conducted the session on Basics of stock market through online mode. 83 students attended this session.

On 27th April 2022 Mr. Sudhkar Kulkarni conducted session on how to open online DEMAT account and how to invest safely. 57 students opened the DEMAT account.

3 Career Guidance Session by alumni bankers

On 27th Nov 2021 Mr. Rohan Medhekar vice president Axis Bank ltd interacted with students who aspire to make career in banking. He guided students of different opportunities in banking industry. 20 students attended this event.

On 11th Dec 2021 Mr. Abhijeet Joshi Branch head of Axis bank ltd guided students on various job profiles, different roles of a banker and code of conduct of bank. 31 students attended this event.

4. Skill Development for internship

On 31st Dec 2021 Mr. Arun Bhonkar Chief Manager of Bank of India conducted the workshop on areas to be studied in Internship at various banks. He had also

shared his experiences.

5. New Year Celebration with grandparents

On 30th Dec 2021, new Year was celebrated at Sahajeevan old age home Bhugaon. The students performed the cultural event and gave the surprise gifts to the grandparents.

6. Internship for TYBCOM students

In academic year 2021-22 SPPU introduced the Internship for TYBCOM students. Following banks offered internship to our students

- Vidya Cooperative Bank ltd : 102 Students
- Vishweshwar Cooperative bank: 50 Students
- Cosmos Cooperative bank: 13 Students
- Janata Cooperative Bank for Advanced learners of SYBCOM and MCOM students: 17 Students.

7. My Nation My Pride

On 14th Feb 2022 My Nation My Pride was celebrated jointly with Sociology and Physical Education department. Our alumnus JCO Aaksh Chikate, Indian Army spoke on his experiences and career opportunities in Indian Army.

8 Iconic Week of Department of Financial Services Government of India

Sr. No	Day and Date	Theme of the activity	Number of student participated
1	6 th June 2022, Monday 9am to 10am	Inauguration of the iconic week at the hands of Branch Manager Vidya Bank Laxmi road branch	54
		Slogan competition of banking literacy	06
		Street Play on banking literacy	12
2	6 th June to 10 th June 2022 Monday to Friday 10.30am to 3.30pm	Being Bank Mitra at Bank of Maharashtra, Senapati Bapat Branch Pune to make the various customers aware about the various aspects of financial literacy like PMJJBY, PMJSBY, PPF, Atal Pension Yojana, Maha App for general customers and Door step banking App especially for Elderly people, use of Debit card and credit card, UPI payment gateway and its safe use, linking of mobile to Aadhar etc. Importance of the regular repayment of loans to the bank and nation.	06
3	10 th June 2022 Friday 3pm to 6pm	Investment Awareness Session arranged by DIPAM (Government of India): Creating wealth through stock market.	9 Students and two academicians
4	11 th June 2022 Saturday 10am to 12.30pm	Banking Awareness at Sahajeevan old age home located at Bhugaon Pune. Students interacted on how to take care while handling the banking through mobile and door step banking facility in case of inability to go to the bank personally.	18 students and 2 academicians

5	12 th June 2022 Sunday Anytime during the day	Being Bank Mitra at local areas Last iconic day was Sunday therefore our students conducted the financial literacy campaign at the local areas where the students stays. The students interacted with the customers mainly from unorganized sectors like maidservants, security guards, watchman, sweepers, small retailers, senior citizen clubs, housewife etc.	32 students interacted with 57 customers of various banks
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On the occasion of AKAM: Azadika Amrit Mahotsav Government of India has declared iconic week of financial services from 6th June 2022 to 12th June 2022 Future Bankers Forum instantly designed the plan of the activities during this week. It was as below.

- ♦ Six Student volunteers have supported the Bank of Maharashtra branch and society in spreading the awareness about the PMJJBY, PMJSBY, Atal BimaYojana, use of various payment gateways etc.
- ♦ Through the street play the awareness was created about the fraud messages, phone calls for lottery and cashback, downloading the apps for banking convenience etc. The details of the student volunteers are as below.

Prof Vijayalaxmi Kulkarni and Dr Pallavi Nikhare coordinated activities of Future Banking Forum.

Sr. No	Name of the bank Mitra Volunteer	Mobile Number	Number of customers to whom volunteers interacted during the week
1	Ms Arusha Karanjekar	7666257241	70
2	Mr. Chirag Bogawat	7248960530	20
3	Ms. Seema Chandora	7776921064	58
4	Mr. Sangram Kadam	7940108436	64
5	Mr. Sourabh Kulkarni	8180071339	30
6	Mr. Omkar Kudale	-	26

Placement cell activities

Training programme

The off campus drives for training and placement by SKP and Edubridge solutions with the collaboration of Citi Bank was arranged for the Business correspondent and felicitator Job profile. It was for S.Y. and T.Y.B.Com. students under Banking and Finance Sector. The interview was given by 54 students. The campus drives and activities were coordinated by Dr. Shraddha Awasare (Coordinator-placement cell-Dept. of commerce).

Placement Drive

The placement drive named "JOB UTSAV" was conducted on 13th January 2022 by Mahindra Pride classroom under Nandi foundation. This drive is initiated by IQAC and co-ordinated by IQAC and

placement cell. The drive started with inauguration at 10.00 am and concluded at 5.00 pm. Total 17 students have been placed in the placement drive.

Pre-placement activity

The Pre placement activity named "Skill Capsule" has been arranged for the students who have registered in above placement drive by Nandi Foundation under "JOB UTSAV". The activity has been held on 13th January 2022 in three batches. The topics covered under the activity are Interview Techniques, CV Writing, Soft Skills, presentation Skills etc.

Companies approached for placement opportunities

Various companies from different fields have been approached for the placement opportunities such as ICICI Prudential life Insurance, TCS, SKP and Edubridge and it has been communicated to the students time to time.

Dr. Shraddha Awasare coordinated placement activities.

Induction program for FY B Com students.

Induction program for FYBCOM students was organized between 21 to 24 September 2021. 502 students along with their parents attended the online event. Students were given information about rules and regulations of college, examination system and facilities of college. Dr. Manisha Bele coordinated the program.

Parents Meet

Parent Meet of FYBCom students was organized on 25.09.2021. Ninety seven parents attended the online meet. Parents were given information about working of college and college activities. Dr. Manisha Bele was coordinator of meet.

Industry Academia and Alumni Forum

'Industry Academia and Alumni Forum' is established in the year 2021. Through 'Industry Academia and Alumni Forum' our college has planned to understand and diagnose the real gap in the educational industry in terms of professional skills, research, knowledge, soft and life skills. It will help us to make the revision in curriculum, output based research projects, and community work for the capacity building of employable youth.

Industry Academia and Alumni (IAA) Forum Meet was organized on 9th October 2021. Mode of meeting was offline as well as online. 18 Industry Experts and Alumni

Experts attended the meet in offline. 40 Industry Experts and Alumni Experts attended the meet in online mode. Head of all the departments and IAA Forum committee members were also present for the meet in person.

The meet was planned and successfully organized by the Executive Committee of IAA Forum under the guidance of the Advisory Committee on a well-defined agenda.

The major suggestions of this meet were College must find out the interest areas of students and market requirements at the initial stages. Specialized courses should be designed for capacity building of students. College is required to take more efforts to involve Alumni in designing the courses as per the requirement of the market.

Dr. Pallavi Nikhare coordinated this event.

Janeev

JANEV is the college level activity coordinated by Commerce. This year Janeev organized drives for collection of Clothes, Groceries and daily needs. Donations are collected from students and teachers for the orphanage. Utensils for cooking were given to the Annapurna Ashram Alandi in association with Inner Wheel Club. This year Rs. 30000 are donated. Janeev platform enhances social awareness among students.

Seva Shayog Scholarship

Seva Sahayog Foundation helps deserving economically weak students. Since last few years students from our college is getting financial assistance from the foundation. In this academic year 30 students received total amount Rs. 3,59,098/- Number of Girl beneficiaries are more than boys.

Two M Com girl students received special assistance in this year.

Students Achievements

- Khushi Sanjay Mehata T Y B Com student passed Company secretary Professional Level examination. (All India Rank 3)
- Anmol Rathore passed C A Examination (All India Rank 45)
- Pranav Shivshankar Vishshewekar SYB Com student passed C A Intermediate Examination 9 (All India Rank 30).
- Fifteen students cleared C A Intermediate Examination
- Fourth five students passed C A Foundation Examination.

Teachers Achievements

Dr. Shubhangi Joshi

- Participated in FDP on Research Methodology conducted by Teaching Learning Centre, Ramanujan College, Delhi from 22 December 2021 to 5 January

2022

- FDP successfully completed with A+ grade.

Prof. Vijayalaxmi Kulkarni

- Received G.B. Kulkarni Award for the 'Best Teacher in Commerce' by SPPU on 10th Feb 2022.
- Presented paper The study of initiatives of the government of India towards promotion of innovation and Entrepreneurship in higher educational institutes in national conference at Mahatma Basaweshwar Mahavidyala, Latur.
- Published paper The study of initiatives of the government of India towards promotion of innovation and Entrepreneurship in higher educational institutes in international Multidisciplinary quarterly research journal Ajanta Volume X Issue V Oct-Dec 2021 ISSN 2277-5730

Dr. Manisha Bele

- Completed Ph.D.in Management from Tilak Maharashtra Vidyapeeth ,Pune in July 2021 ,title of the thesis was -' Study and analysis of the effect of cultural intelligence on quality and performance of employees with reference to selected companies in and around Pune city.
- Completed the Diversity, Equity and Inclusion Audit of the College for the year 2020-21 and submitted opinion in the audit report in 2021-22 to the college for further action.
- Participated in FDP on Research Methodology conducted by Teaching Learning centre ,Ramanujan College,Delhi from 22 December 2021 to 5 January 2022 .FDP successfully completed with A+ grade.
- Participated in pre event and main event of Turnip innovation festival on 22 January 2022.

Prof. Parag Shah

- Organised a Collaborative National Webinar on New Guidelines of AQAR in association with IQAC Cluster (20th to 23rd December, 2021)
- Resource Person for a One Day National Webinar on Role of Non-Teaching Staff in Effective Administrative Practices organized by of M. S. P. Mandal's Arts, Commerce and Science College, Kille Dharur, Dist. Beed and P. E. S. Modern College of Arts, Science & Commerce, Ganeshkhind, Pune. (5th Dec. 2021)
- Resource Person for National Webinar organised by Sao Chang College, Nagaland (4th April, 2022)
- Guidance session for NACC Presentation at Arihant Institute of Business Management. (10th April 2022)
- Resource Person for National Webinar organised by Immanuel College, Nagaland (8th June 2022)
- Resource Person for National Webinar organised by Khalsa College for Women, Punjab (14th June 2022)

Dr. Manjusha Kulkarni

- Invited as resource person for Financial Literacy

program organized by MAVIM, NURL & Government Organisation on You Tube.

- Coordinated Workshop in association with YIN Sakal Media network on 'Power and Positivity'

Dr . Shubhangi Joshi

Vice Principal and Head Faculty of Commerce



DEPARTMENT OF BBA (COMPUTER APPLICATION)

DEPARTMENTAL ACTIVITIES

BBA (CA) Department under faculty of Commerce organized many student centric activities like

A] “MAGNIT 2022”: A Virtual Inter-collegiate Competition

The Department of Computer Applications BBA (CA) under faculty of Commerce had organized Virtual Intercollegiate event “MAGNIT 2022” on 6th & 7th May 2022. This is the fifth time department presented this event on an intercollegiate level due to support of Modern College of Arts, Science and Commerce, Pune-16. The objective of this event was to explore and promote talents amongst our students.

“MAGNIT 2022” consisted of various competitions like:

- 1) Videography (Video making Competition)
- 2) Nirmiti (Best out of e-waste)
- 3) Webometrics (Website Designing Competition)

The Competitions were started on 5th May 2022, at 11:00 am Virtually on Microsoft’s Teams platform. Firstly Videography competition was conducted at 11:00 am to 1:00 pm Virtually in BBA (CA) Department. This competition was coordinated by Prof. Priti Deshmukh and The competition were judged by Ranjana Shewkar madam,,Asst. Prof ,Computer Science Department of Modern College of Arts, Science & Commerce, Ganeshkhind, Pune-16.

The topics for Videography competition were:

1. E- Waste Management
2. Global Warming

3. Online Education

4. Environment and E-vehicles

5. Space Debris

On the same day Nirmiti competition was conducted at 1:30 pm Virtually in BBA (CA) Department. This competition was coordinated by Prof. Nikita Bichitkar and The competition were judged by Vaishali Salunkhe ,Asst. Prof ,HOD Electronics Department of Modern College of Arts, Science &Commerce, Ganeshkhind, Pune-16.The theme for Nirmiti competition were E-Waste.

On second day i.e. 7th May 2022, Virtual Seminar On “BSE - Capital Market Awareness Program” was organized for BBA (CA) students with Bombay Stock Exchange and speaker for the program was Mr.Pankaj Mathkar. This Session was coordinated by Prof. Suwarna Mhasekar. Total 93 students were sincerely attended this session. After seminar Webometrics Competition was organized virtually in BBA (CA) Department of our college between 11:00 am. to 1:30 pm. This competition was coordinated by Prof.Rohini Pawar and the judge for the competition was Dr. Ashwin Tomar, Assist.Prof Computer Science Department Modern College, Ganeshkhind, Pune-16.

The topics for **Webometrics** - competition were:

1. Business Website.
2. Entertainment Website.
3. Social Media Website.
4. NGO Website.

The winners of **VIDEOGRAPHY** Competition are:

1st) Pratik Gaikwad - Manghanmal Udham College of Commerce (MUCC), Pune

2nd) Ashish Namdev Yende & Chetan Panjabrao Gaikwad- Modern College Ganeshkhind Pune

3rd) Shawn Titus Pandit & Ramesh Chakrabhadur Gadshila - Modern College of Arts, Science and Commerce, Ganeshkhind, Pune

The winners of Nirmiti Competition is:

1st) Niyati Naik - Modern College of Arts, Science & Commerce, Ganeshkhind, Pune-16.

The winner of WEBOMETRICS Competition are:

1st) Sanchita More - Modern College of Arts, Science & Commerce, Ganeshkhind, Pune-16

1st) Shreyes Bhokre- Modern College of Arts, Science & Commerce, Ganeshkhind, Pune-16.

2nd) Shubham Pattewad- Modern College of Arts, Science & Commerce, Ganeshkhind, Pune-16.

2nd) Shavan Paddale -Modern College of Arts, Science & Commerce, Ganeshkhind, Pune-16.

3rd) Mansi Sonawane - M.M. College, Pune

3rd) Shreya Baggade- M.M. College, Pune

Consolation: Niyati Naik - Modern College of Arts, Science & Commerce, Ganeshkhind, Pune-16.

This time winners were announced virtually right after each Competition and E-Certificates were distributed amongst the winners. Feedback forms were also filled by participants after each competition. The "MAGNIT May 2022" was coordinated by Prof. Suwarna Mhasekar with the cooperation of all Teaching staff, non-teaching, technical staff members and students volunteers under the guidance of Dr. Sanjay Kharat, Principal & Dr. Shubhangi Joshi, Vice-Principal (Commerce). This year total 57 students (38 Male and 19 Female) were actively registered for MAGNIT 2022 event and also actively participated in all competitions.

B] Aptitude Test:

To prepare students for the selection process four tests were conducted this year. The topics covered are

1. Test on "SQL Language" conducted for BBA (CA) students on 25th January 2022.

2. Test on "DBMS" conducted for BBA (CA) students on 16th April 2022.

3. Test on "C Programming" conducted for FY, SY and TYBBA (CA) on 4th December 2021.

C] Guest Lecture Series:

This year the department has organized Guest Lectures wherein experts from industry, academics and different fields guided students on Management, IT and Computer Programming related subjects. The details are as follows:

1. A workshop on "Practical Aspect of Block Chain"

was conducted by Mrs. Ranjana Shevkar, Assistant Professor, Modern College, Ganeshkhind on dated 17th January 2022.

2. A workshop on "Emerging Cloud Trends and product/Project Development" was conducted by Dr. Manisha Patil and Mr. Dhiren Shah on dated 11th, 13th and 14th September 2021.

2. A workshop on "Website Development" was conducted on dated 22nd and 23rd January 2021.

3. A guest lecture on "Intellectual Property Right" was conducted by Dr. Ananya Bibve on dated 23rd February 2021.

4. A guest lecture on "Blockchain Technology" was conducted by Mrs. Ranjana Shevkar, Assistant Professor, Modern College, Ganeshkhind on dated 25th March 2021.

D] Virtual Parent and Alumni Meeting:

The Department of BBA (CA) conducted Parent-Alumni-Teacher Meet virtually in the month of February 2022 to introduce college virtually to the parents and also to communicate performance and progress of the alumni of our college.

E] Virtual Induction Program:

The Department of BBA (CA) organized an induction program virtually for First year students in September 2021 to become aware and introduce college facilities and all staff members. In this program a small college tour was also organized as one of the activities to make students familiar with college campus.

F] Virtual Bridge Course:

Bridge course was conducted by the department of BBA (CA) for the first-year students in the month of September 2021 to revise, refresh and gain knowledge of some basic concepts like Computer Programming, Business Statistics and Business Accounting subjects. Expert lectures were organized to acquaint students with the expected proficiency in the respective subjects.

G] Placement Cell:

BBACA placement cell organized campus drive of Zocol Services Ltd, Aundh, Pune for TYBBACA students on 22nd April, 2022. 12 students participated in the drive out of which 3 students were selected as Management Researcher Expert in this company.

Students placements in 2021-22

1. Rishabh Singh :VALUEADD SOFTTECH AND SYSTEMS as Fullstack JAVA developer

2. Pranav Jagtap :Zucol Service Private Limited as Management Researcher Expert

3. Vaishnavi Dabhade : Austin Realty as

Marketing assistant

4. **Shubham Birajdar** : Clevrex Technology Pvt Ltd as Software Engineer
5. **Nandita Mangesh**: Zocol Services ,Aundh as Management Researcher Expert
6. **Tanishqn Ganu** : Zocol Services ,Aundh as Management Researcher Expert
7. **Chaitrali Uंबरkar** :Zocol Services ,Aundh as Management Researcher Expert

STUDENT ACHIEVEMENTS/ACTIVITIES:

i) Rajeshwari Nimbalkar student of SYBBA (CA) won 2nd best paper award for her Robotics paper in an "International Online Conference on Students Research Paper" organized by D.Y.Patil College,Pimpri on 27th to 29th April 2022.

ii) Nandita Magesh student of TYBBA (CA) won 3rd best paper award for her IOT paper in an "International Online Conference on Students Research Paper" organized by D.Y.Patil College,Pimpri on 27th to 29th April 2022.

iii) All Students of SYBBA(CA) and TYBBA(CA) have participated in an "International Online Conference on Students Research Paper" organized by D.Y.Patil College,Pimpri on 27th to 29th April 2022.

iv) Naik Niyati student of TYBBA (CA) won 3rd prize in "Caption Contest " competition held under Yuva Saptah 2022 organized by Modern college of Arts,Science and Commerce on 8th to 12th January 2022.

v) Naik Niyati student of TYBBA (CA) won 3rd prize in "Poster" competition held under Yuva Saptah 2022 organized by Modern college of Arts,Science and Commerce on 8th to 12th January 2022.

vi) Sameer More student of SYBBA(CA) have participated in an "RGOI RURAL GAMES ATHLETICS NATIONAL CHAMPIONSHIP-2022" organized by RURAL GAMES ORGANIZATION OF INDIA ON 5th June 2022.

STAFF ACHIEVEMENTS/ACTIVITIES:**1. Suvarna Mhasekar :**

- i) Successfully completed 15 weeks Faculty Development Swayam Online Course on Academic Writing with 83% started on 11th January 2021 to 25th April 2021.
- ii) Participated in an Online Faculty Development Program on "Syllabus of TYBBA(CA) Sem VI Theory and Practical" on 5th April 2022 organized by Dr..D.Y.Patil College of Arts,Commerce and Science,Pimpri, Pune 18.
- iii) Participated in the One day Workshop on Revised Guidelines for NAAC Accreditation, A Quality Initiative Program by IQAC, Modern Law College

on 5th March 2022.

iv) Participated in Webinar on Copyright Realization: Preparing for Future held on 7/01/2022 by Adv. Kunal Gokhale in online mode.

v) Attended Two Days Online Faculty Development Programme on "Deep Learning using Python" organized under the guidance of VESIT IQAC & Approved by Ad-hoc Board of Studies in MCA, University of Mumbai, held on 29th & 30th October 2021.

vi) Attended Webinar on "DELNET : Resources & Services" with Modern College of Arts, Science and Commerce, Pune on 22.09.2021.

vii) Attended 5-Days Online National Level Workshop on NET/SET/GATE Exam Preparation from 14th Sept 2021 - 18th Sept 2021 organized by Pratibha College of Commerce and Computer Studies, Chinchwad, Pune 411019.

2. Priti Deshmukh :

i) Completed NPTEL Faculty Development program on "Software testing" of 4 weeks in Jan -Feb 2022.

ii) Participated in one day workshop on Revised Guidelines for NAAC Accreditation A Quality Initiative Program by IQAC,Modern Law College on 5th March 2022.

iii) Attended Faculty Development Program on "Artificial Intelligence & Data Science on 3rd and 4th March 2022 organized by Modern College of Engineering in association with Society for Data Science.

3. Rohini Pawar :

i) Participated in the One day Workshop on Revised Guidelines for NAAC Accreditation,A Quality Initiative Program by IQAC,Modern Law College on 5th March 2022.

ii) Participated in 7 days FDP on "NET/SET Preparation" organized by K.K.Wagh Arts, Commerce, Science & Computer Science College Saraswati Nagar, Nashikon on 21st March to 28th March 2022.

4. Nikita Bichitkar :

i) Participated in the One day Workshop on Revised Guidelines for NAAC Accreditation,A Quality Initiative Program by IQAC,Modern Law College on 5th March 2022.

ii) Participated in 7 days FDP on "NET/SET Preparation" organised by K.K.Wagh Arts, Commerce, Science & Computer Science College Saraswati Nagar, Nashikon on 21st March to 28th March 2022.

Suvarna Mhasekar
HoD of BBA (CA)

DEPARTMENT OF BCA SCIENCE

Departmental Achievement

1. Guest Lecture on “Data Analytic using Python and Big Data” by Prof. Sonali Powar (Assistant Professor, Vishwakarma University) and Mr. Amol Dixit (Technical Architect, Xoriant Solutions Pvt. Ltd).
2. Online Induction program for FYBCA (Science) students: Course introduction, Campus & Lab information, Library and Exam information.
3. Students actively participated and completed the certificate course on ‘Modelling and Simulation using MATLAB’ organized by the department..

Involvement in Activity

All the staff members Prof. Ishita Dixit , Prof. Deepak Kumbhar , Prof. Rutuja Mokashi and Prof. Roja Pogul actively contributed to the competition conducted under Interaction 2022 organized by the Department of Computer Science and also in Yuva Saptah. BCA Students participated in Interaction 2022(Organized by the Department of Computer Science) and Yuva Saptah very actively and got awards in various competitions. E-certificates were provided to all the students for participation.

Staff Achievements

1. Dr. Deepak Kumbhar

- a. Worked as BCA course-coordinator and admission committee in-charge.
- b. Worked as mentor for the group of F.Y.B.C.A students.
- c. Successfully Completed PhD Degree in the subject of Electronics.
- d. Successfully completed a 4-week Induction/ Orientation Programme organized by Teaching Learning Centre, Ramanujan College, University of Delhi.
- e. Organized Induction program for F.Y.B.C.A students from 11th to 13th September 2021.
- f. Actively participated in two days international webinar on “ Innovative research trends in Green

Electronics and Allied Technology” Department of Electronic Science Tuljaram Chaturchand College of Arts,Science and Commerce , Baramati in association with RUSA from 2nd March 2021 to 3rd March 2021.

- g. Actively participated in two days national webinar on “ Emerging trends and Technologies in Electronics” Department of Electronic Science Tuljaram Chaturchand College of Arts,Science and Commerce , Baramati from 5th Feb. 2021 to 6th Feb. 2021.
- h. Delivered a lecture on “Skill Development Approach: Lab to Product Design ” organized by the department of Electronic science under DBT star, S. N. Arts, D. J. Malpani Commerce and B. N. Sarda Science College,Sangamner on 29th Jan 2021.

2. Prof. Rutuja Mokashi

- a. Successfully conducted Quiz Competition and Video Contest in Interaction 2022.
- b. Created and distributed the certificates for Interaction 2022 organized by Department of Computer Science

Students Achievement

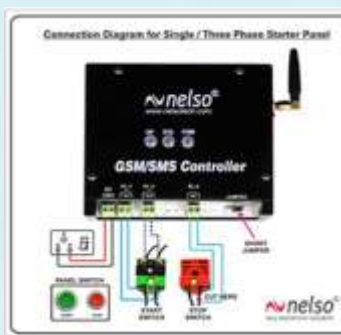
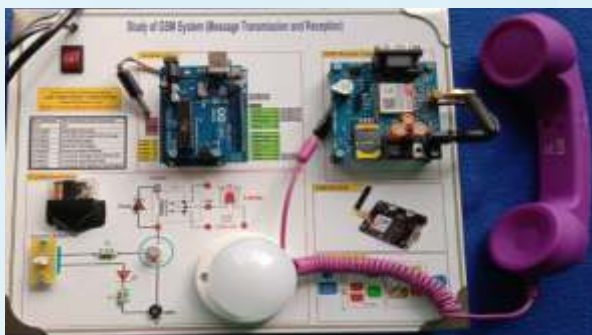
- a. Actively Participated in online certification course by NPTEL,
- b. Actively Participated in ‘Modelling and Simulation using MATLAB’ certificate course organized by the department.
- c. Actively attended the Guest lecture conducted by the department.

Guest Lecture Series

Guest lecture series was organized for the students of BCA (Science).

Dr. Deepak Kumbhar

HoD Of BCA Science



DEPARTMENT OF BIOTECHNOLOGY

ACADEMIC ACTIVITIES:

1. SCIENCE ADDA - A Science Popularization Program sponsored by the DBT, Govt. of India

A One-Day Science Popularization Program "Science-Adda" was organized for School students (Class VIII to XII) on 05/01/2022 from 9 am to 5 pm, under the aegis of Star Status College funded and supported by the Department of Biotechnology (DBT), Government of India. The event was conducted in hybrid mode (offline and online). The event (with No Registration Charges!) was organized with an aim of inculcating the scientific temper in the young school going students, and providing a platform for them to interact with the scientists and professors, research scholars and in visualization of the scientific experiments covering facets of developments in science. Overall, 208 school students from NCL School, Pashan, Pune; JM Boys School, Pune; PES School Warje, Pune; Modern English Medium School, Pune; Modern School and Junior College, Ganeshkhind, Pune visited the college and attended all the activities offline, while 1200 views were on the YouTube. First session had Scientific Talks from the resource persons including Dr. Arvind Natu, senior professor, IISER, Pune; Dr. Ramesh Bhonde, former scientist NCCS and Director, Research, DY Patil University, Pune and Dr. Sanjay Dhole, Professor, Department of Physics, Savitribai Phule Pune University, Pune. The second session had visits to all the Science Departments and the students experienced the hands-on, practical / demonstrations. Students were shown equipment and other facilities in science laboratories. The students also visited the Central Instrumentation Facility with a demonstration of RT-PCR.

2. BIOSECURITY BEST PRACTICES - International Remote Training Program

A remote training program sponsored by CRDF Global USA on Biosecurity Best Practices was organized that aimed to create awareness on Biosecurity and Biosafety at Institutional level. The training session was conducted in three phases commencing on 10th May 2022. The first phase was a live webinar on Biosecurity, Phase II was nonsynchronous module that all life science participants had to solve to get an overview of the knowledge gained in the concerned field. Phago through real time adventure of solving Biosecurity related case studies. Various life science faculties and students from across globe including USA, Malaysia,

Cambodia, Myanmar, Bangladesh, Singapore, Philippines actively participated in the sessions.

GUEST LECTURES:

1. Dr. Meeta Mathur: Asst. Prof Department of Botany, Mithibai college, Mumbai. Topic- "Bringing biotechnology to home". Date - 6th Sep 2021.
2. Dr. Kamelesh Jangid: Manager, R&D (Molecular biology and Virology), Hi-media Laboratories, Mumbai. Topic- "Practical guide for DNA sequencing based soil microbial diversity analysis". Date - 6th Sep 2021.
3. Dr. Deeraj Dhotre: Scientist-D, NCCS, Pune. Topic: "Genomics and Bioinformatics" Date - 7th Sep 2021.
4. Dr. Shrikant Pawar: General Manager, R&D (Serology & Microbiome), MyLabs Discovery solutions, Pune. Date - 7th Sep 2021.
5. Dr. Anup Kulkarni, Director, Ignito Zealous, BE, MS(UK), Ph.D. (UK). Topic- "Opportunities in Biotechnology". Date - 29th Nov. 2021
6. Guest lecture on Career guidance: By Alumni- Ms. Sanika Ghayal and Shubdha Kale.

Activities related to Sustainable development

1. Tree Plantation and Water Conservation project at Tukai hills Baner, Pune:
10 students and 04 faculties participated in the drive in association with Vasundra Abhiyan and IWC Gen-Z. Date - 5th Sep 2021

STAFF ACHIEVEMENTS:

Dr. Vinay Kumar

Academic and administrative responsibilities/ achievements:

- Best Teacher Award, Savitribai Phule Pune University, Pune (2022)
- Indian National Science Academy (INSA) Visiting Scientist Award, 2022
- Member, Expert Panel for Evaluating Grant Proposals, National Science Center, Govt. of Poland
- Coordinator, DBT Star College, DBT-BUILDER, DST-FIST Programs, Modern College, Ganeshkhind, Pune
- Member, Board of Studies, B. Voc., Savitribai Phule Pune University, Pune
- Member, Academic Council, Modern College, Ganeshkhind, Pune
- Member, Internal Quality Assurance Cell, Modern College, Ganeshkhind, Pune
- Member, Board of Studies, Medical Biotechnology,



MGM Institute of Health Sciences, Mumbai
 Member, Board of Studies, Bioanalytical Sciences, Ruia College, Mumbai
 Member, Board of Studies, Life Sciences, Sandip University, Nashik
 Member, Board of Studies, Biotechnology, Modern College, Ganeshkhind, Pune
 Member, Board of Studies, Zoology, Modern College, Ganeshkhind, Pune

Appointed as a Resource Person

Resource Person at Four-days Lecture Series on Research, Innovation: Pathways to Success, organized by Pratibha College in association with UGC-HRDC, Savitribai Phule Pune University, Pune, and delivered a talk on Research: Quality Benchmarks, Ethics, Publications and Indices, on 12/10/2021.

Resource Person at International Conference on Challenges and Opportunities in Biotechnology organized by Amity University, Jharkhand and delivered a talk on “miRNA Biotechnology for Developing Climate-smart Crops”, 12/11/2021.

Involvement in organization of the events in the college

Coordinator, Science Adda

Ongoing Research projects:

Identification and functional characterization of salt responsive conserved and novel miRNAs in soybean. DAE-BRNS Funded project. Total sanctioned amount - Rs. 35 Lakhs
 DBT-BUILDER Thematic Research Projects. Total sanctioned amount - Rs. 2.36 Crore

Research Guidance:

PhD Degree awarded: Mr Brajmohan awarded with PhD (Biotechnology) from S P Pune University.
 Currently 5 PhD students are working under my guidance.

Patents filed

Kumar V, Khare T, Kharat S. 2022. “A Formulation for Alleviating Rice Salinity Stress, Its Preparation and Application Thereof”. Filed Indian Patent [TEMP/E-1/11719/2022-MUM]

Books Published:

Kumar V, Shriram V, Paul T, Thakur M. 2022. Antimicrobial resistance - Underlying mechanisms and therapeutic approaches. Springer Nature. ISBN 978-9-81-163119-1. <https://doi.org/10.1007/978-981-16-3120-7>
 Kumar V, Srivastava AK, Suprasanna P. 2021. Plant Nutrition and Food Security in the Era of Climate Change. Academic Press (Elsevier). 978-0-12-822916-3. <https://doi.org/10.1016/C2019-0-04692-4>

Research / Review Articles published:

Yang X, Patil S, Joshi S, Jamla M, Kumar V*. 2022. Exploring Epitranscriptomics for Crop Improvement and Environmental Stress Tolerance. Plant Physiology and Biochemistry <https://doi.org/10.1016/j.plaphy.2022.04.031>
 Ghorai M, Kumar V, Kumar V, Shekhawat MS, Pandey DK, Batiha GE, Bursal G, Sharifi-Rad J, Dey A. 2022. Beneficial role of Selenium (Se) biofortification in developing resilience against

- heavy metal and metalloid stress in crops: Recent trends in genetic engineering and omics approaches. *Journal of Soil Science and Plant Nutrition* <https://doi.org/10.1007/s42729-022-00814-y>
- Sharma A, Mistry V, Kumar V, Tiwari P. 2022. Production of Effective Phyto-Antimicrobials via Metabolic Engineering Strategies. *Current Topics in Medicinal Chemistry* <https://doi.org/10.2174/1568026622666220310104645>
- Anand U, Biswas P, Kumar V, Ray D, Ray P, Loake VIP, Kandimalla R, Chaudhary A, Singh B, Routhu NK, Chen Z-S, Prockow J, Dey A. 2022. Podophyllum hexandrum and its active constituents: Novel radioprotectants. *Biomedicine and Pharmacotherapy* 146:112555 <https://doi.org/10.1016/j.biopha.2021.112555>
- Kaur K, Reddy S, Barathe P, Oak, U, Shriram V, Kharat SS, Govarthanan M., Kumar V*. 2022. Microplastic-Associated Antimicrobial Resistance in Environment. *Chemosphere* 291:133005 <https://doi.org/10.1016/j.chemosphere.2021.133005>
- Khare T, Dange D, Jadhav A, Shriram V, Gosavi S, Kumar V*. 2022. Nano-Boehmite induced oxidative and nitrosative stress responses in *Vigna radiata* L. *Journal of Plant Growth Regulation* 41: 327-343. <https://doi.org/10.1007/s00344-021-10303-8>
- Polash SA, Khare T, Kumar V*, Shukla R. 2021. Prospects of exploring metal-organic framework for combating antimicrobial resistance. *ACS Applied BioMaterials* 4(12): 8060-8079. <https://doi.org/10.1021/acsaabm.1c00832>
- Kumar V, Srivastava AK, Wani SH, Shriram V, Suprasanna P. 2021. Transcriptional and post-transcriptional mechanisms regulating salt tolerance in plants. *Physiologia Plantarum* 173:1291-1294. <https://doi.org/10.1111/ppl.13592>
- Patil S, Joshi S, Jamla M, Zhou X, Taherzadeh MJ, Suprasanna P, Kumar V*. 2021. MicroRNA-mediated crop engineering for developing climate-resilient crops. *Bioengineered* 12: 10430-10456. <https://doi.org/10.1080/21655979.2021.1997244>
- Kaur K, Reddy S, Barathe P, Shriram V, Anand U, Proćków J, Kumar V*. 2021. Combating Drug-Resistant Bacteria Using Photothermally Active Nanomaterials: A Perspective Review. *Frontiers in Microbiology* 12:659614. <https://doi.org/10.3389/fmicb.2021.659614>
- Verma SK, Das AK, Gantait S, Panwar Y, Kumar V, Marian Brestic. 2021. Green synthesis of carbon-based nanomaterials and their applications in various sectors: A topical review. *Carbon Letters* <https://doi.org/10.1007/s42823-021-00294-7>
- Tan P, Du X, Shang Y, Zhu K, Joshi S, Kaur K, Khare T, Kumar V*. 2021. Ion transporters and their exploration for conferring abiotic stress tolerance in plants. *Plant Growth Regulation* 96: 1-23. <https://doi.org/10.1007/s10725-021-00762-0>
- Jamla M, Patil S, Joshi S, Khare T, Kumar V*. 2021. MicroRNAs and their exploration for developing heavy metal tolerant plants. *Journal of Plant Growth Regulation* <https://doi.org/10.1007/s00344-021-10476-2>
- Malik S, Kaur K, Prasad S, Jha NK, Kumar V*. 2021. A perspective review on medicinal plant resources for their anti-mutagenic potentials. *Environmental Science and Pollution Research* <https://doi.org/10.1007/s11356-021-16057-w>
- Sarkar S, Dey A, Ray P, Kumar V, Baty RS, Batiha GE. 2021. Fungal endophyte: An interactive endosymbiont with the capability of modulating host physiology in myriad ways. *Frontiers in Plant Science* 12:701800 <https://doi.org/10.3389/fpls.2021.701800>
- Jamla M, Khare T, Joshi S, Patil S, Suprasanna P, Kumar V*. 2021. Omics Approaches for Understanding Heavy Metal Responses and Tolerance in Plants. *Current Plant Biology* 27:100213. <https://doi.org/10.1016/j.cpb.2021.100213>
- Khare T, Anand U, Dey A, Assaraf YG, Chen Z-S, Liu Z, Kumar V*. 2021. Exploring phytochemicals for combating antibiotic resistance in microbial pathogens. *Frontiers in Pharmacology* 12:720726. <https://doi.org/10.3389/fphar.2021.720726>
- Khare T, Mahalunkar S, Shriram V, Gosavi S, Kumar V*. 2021. Embelin-loaded chitosan gold nanoparticles interact synergistically with ciprofloxacin by inhibiting efflux pumps in multidrug-resistant *Pseudomonas aeruginosa* and *Escherichia coli*. *Environmental Research* 199:111321. <https://doi.org/10.1016/j.envres.2021.111321>
- Zhou X, Joshi S, Khare T, Patil S, Shang J, Kumar V*. 2021. Nitric Oxide, Crosstalk with Stress Regulators and Plant Abiotic Stress Tolerance. *Plant Cell Reports* 40: 1395-1414. <https://doi.org/10.1007/s00299-021-02705-5>

Tiwari P, Khare T, Shriram V, Bae H, Kumar V*. 2021. Plant Synthetic Biology for Producing Potent Phyto-Antimicrobials to combat Antimicrobial Resistance. *Biotechnology Advances* 48:107729. <https://doi.org/10.1016/j.biotechadv.2021.107729> (Impact Factor 14.2)

Khare T, Joshi S, Kaur K, Srivastava A, Shriram V, Srivastava AK, Suprasanna P, Kumar V*. 2021. Genome-wide in silico Identification and Characterization of Sodium-Proton (Na⁺/H⁺) Antiporters in Indica Rice. *Plant Gene* 26:100280. <https://doi.org/10.1016/j.plgene.2021.100280>

Zhou X, Joshi S, Patil S, Khare T, Kumar V*. 2021. Reactive Oxygen, Nitrogen, Carbonyl and Sulfur Species and their roles in Plant Abiotic Stress Responses and Tolerance. *Journal of Plant Growth Regulation* 41: 119-142. <https://doi.org/10.1007/s00344-020-10294-y>

Joshi S, Kaur K, Khare T, Srivastava AK, Suprasanna P, Kumar V*. 2021. Genome-wide identification, characterization, and gene expression analyses of soybean NHX-type (Na⁺/H⁺) antiporters. *3 Biotech* 11:16. <https://doi.org/10.1007/s13205-020-02555-0>

Invited Chapters published in Reference Books:

Das T, Nandy S, Pandey DK, Radha, Al-Tawaha AR, Swamy MK, Kumar V, Nongdam P, Abhijit Dey. 2022. An update on paclitaxel treatment in breast cancer. In: Swamy MK, Pullaiah T, Zhe-Sheng Chen (eds.), *Paclitaxel: Sources, Chemistry, Anticancer Actions, and Current Biotechnology*. Elsevier pp. 287-308. <https://doi.org/10.1016/B978-0-323-90951-8.00013-8>

Reddy S, Barathe P, Kaur K, Anand U, Shriram V, Kumar V*. 2022. Antimicrobial Resistance and Medicinal Plant Products as Potential Alternatives to Antibiotics in Animal Husbandry. In: Kumar V, Shriram V, Paul T, Thakur M (Eds.) *Antimicrobial resistance - Underlying mechanisms and therapeutic approaches*. Springer Nature Singapore. https://doi.org/10.1007/978-981-16-3120-7_13

Banerjee S, Tudu CK, Nandy S, Pandey DK, Ghorai M, Shekhawat MS, Ghosh A, Nongdam P, Al-Tawaha AR, Bursal E, Batiha G, Ghosh S, Kumar V, Dey A. 2022. Herbal remedies against Huntington's disease: Preclinical evidences and future directions. In: *Herbal Medicines: A Boon for Healthy Human Life*. Elsevier. <https://doi.org/10.1016/B978-0-32-390572-5.00010-X>

Tiwari P, Srivastava Y, Kumar V*. 2022

Antimicrobial Peptides as Effective Agents Against Drug-Resistant Pathogens. In: Kumar V, Shriram V, Paul T, Thakur M (Eds.) *Antimicrobial resistance - Underlying mechanisms and therapeutic approaches*. Springer Nature Singapore. https://doi.org/10.1007/978-981-16-3120-7_11

Kumar V, Shriram S (2021). *Eulophia* spp.: In Vitro Generation, Chemical Constituents and Pharmacological Activities. In: J.-M. Mérillon, H. Kodja (eds.), *Orchids Phytochemistry, Biology and Horticulture*, Reference Series in Phytochemistry, Springer Nature Switzerland. https://doi.org/10.1007/978-3-030-11257-8_31-1

Editor for the research journals:

Editor, *Journal of Plant Growth Regulation* (Springer)

Editor, *Frontiers in Plant Science* (Frontiers Media, Switzerland)

Editor, *The Natural Products Journal* (Bentham Science, UAE)

Guest Editor, *Physiologia Plantarum* (Wiley, UK)

Guest Editor, *Current Topics in Medicinal Chemistry* (Bentham Science, UAE)

Dr. Geetanjali Litake

Academic and administrative responsibilities/ achievements:

Member of Board of Studies (Biotechnology), Modern College, Ganeshkhind, Pune 16

Member of Board of Studies (Chemistry), Modern College, Ganeshkhind, Pune 16

Convener, IIC, Modern College, Ganeshkhind, Pune 16

Research Guidance:

Currently 2 PhD students are working under my guidance.

Invited Chapters published in Reference Books:

Geetanjali M. Litake. 2022. Plant-Assisted Plasmid Curing Strategies for Reversal of Antibiotic Resistance. In: Kumar V, Shriram V, Paul T, Thakur M (Eds.) *Antimicrobial resistance - Underlying mechanisms and therapeutic approaches*. Springer Nature. Singapore. https://doi.org/10.1007/978-981-16-3120-7_18

Other Achievements

Completed online NPTEL [16 weeks (1st Sept. - 31st Dec. 2021)] course 'Basic Course in Biomedical research'.

Dr. Uttara Oak

Academic and administrative responsibilities/ achievements:

Member of Board of Studies (Biotechnology), Modern College, Ganeshkhind, Pune 16

Member of Board of Studies (Microbiology), Modern College, Ganeshkhind, Pune 16

Member Internal Exam Committee - Science-Modern College, Ganeshkhind, Pune 16

In-charge Criterion III for NAAC 2022 – submitted the AQAR 2020-21, SSR 2022 and DVV deviation report for the same.

Member of NIRF 2021-22

Member of organizing committee 'Science Adda'

Member of PIG for DST –FIST 2019 scheme

Member of the committee for DBT-BUILDER scheme

DVV Officer for Department of Biotechnology

Research Guidance:

Guided 10 MSc students for their dissertation project

Research/Review Articles published:

Kaur, K., Reddy, S., Barathe, P., Oak, U., Shriram, V., Kharat, S. S., Govarthanan, M., & Kumar, V. (2022). Microplastic-associated pathogens and antimicrobial resistance in the environment. *Chemosphere*, 291, 133005. <https://doi.org/10.1016/j.chemosphere.2021.133005>

Hasani, S., Khare, T., & Oak, U. (2021). Antibiofilm activity of selenium nanorods against multidrug-resistant staphylococcus aureus. *MGM Journal of Medical Sciences*, 8 (4), 415. https://doi.org/10.4103/mgmj.mgmj_35_21

Dr. Pooja Rana-

Academic and administrative responsibilities/ achievements:

Member of Board of Studies (Biotechnology)

Member Internal Exam Committee (Science) of the College

Research Guidance:

Guided 6 TY BSc Biotechnology students for their project

Other Achievements

UGC Stride sponsored Six days online Training programme on Environmental Sustainability & Research Ethics from 21st to 26th March, 2022 organized by school of Biosciences, Avinashilingam Institute of Home Science & higher education for Woman.

One day workshop on Revised guidelines for NAAC Accreditation, A quality initiative by IQAC, Modern Law College on 5th March 2022.

Online Certificate Course on BIOINFORMATICS: ITS APPLICATIONS IN LIFE SCIENCES (Jan 2022: 20 Hrs.) organised by MICROBIOLOGISTS SOCIETY, INDIA (Reg No. MAH/4814/SAT).

NPTEL-AICTE, Faculty Development Programme (4 weeks) Legal and Regulatory issues in Biotechnology with consolidated score of 79%.

5 days National level FDP organized by department of Genetics and Biotechnology, Voyage from genes to genomics, 8 Nov to 12 Nov, 2021.

Completed an Internship Programme, Proteomics Internship Programme organized by IIT Bombay, May 24 to June 12, 2021

Dr. Nivedita Das-

Other Achievements

(i) Reviewer in JAPS

(ii) Participated in Annual National Conference on Sustainable Ecosystem Aquaculture Fisheries and fisher folk organized by department of Aquatic Biology and Fisheries, University of Kerala, Trivandrum from 28-29 Jan, 2022

(iii) Advisory member of IWC Pune Imperial and Coordinator of IWC Gen Z

Ms. Vaishali Randive

Academic and administrative responsibilities/ achievements:

Member of Board of Studies (Biotechnology)

Incharge, Internal Exam Committee (Science) of the Department

Member, Placement committee of the college
Involvement in organization of the events in the college

Member, eYuvasaptah

Research Guidance:

Guided 6 TY BSc Biotechnology students for their project

Other Achievements

1. One week FDP program on National Education Policy 2020 conducted by Teaching -Learning centre Ramanujan College sponsored by PMMMNMTT), MHRD, Govt. of India 28th march-3 April 2022 with A+ grade

ii) UGC Stride sponsored Six days online Training programme on Environmental Sustainability & Research Ethics from 21st to 26th March, 2022 organized by school of Biosciences, Avinashilingam Institute of Home Science & higher education for Woman.

iii) One-day workshop on Revised guidelines for NAAC Accreditation, A quality initiative by IQAC,

Modern Law College on 5th March 2022.

- iv) Online Certificate Course on BIOINFORMATICS: ITS APPLICATIONS IN LIFE SCIENCES (Jan 2022: 20 Hrs.) organized by MICROBIOLOGISTS SOCIETY, INDIA (Reg No. MAH/4814/SAT).
- v) Presented a Research paper at International Conference on Biotechnology in Conservation and Sustainable Development organized by Modern College of Arts, Science and Commerce, Shivajinagar, Pune on 1-3 february 2022.

Dr. Snehal Gagare

Academic and administrative responsibilities/ achievements

Member of Board of Studies (Biotechnology)
 Member Criterion V for NAAC 2022
 Member of organizing committee 'Science Adda'
 Departmental Coordinator for Virtual Labs

Appointed as a Resource Person

Delivered a talk on Cell Signalling at the Jijamata College of Arts Commerce and Science, Bhende on 13th January 2022.

Involvement in organization of the events in the college

Event Coordinator for DBT Guest Lecture Series organised on 6th September 2021
 Organised hosted and was EMCEE for three host Institution including Modern College ASC Gk Pune, Dadapatil College Karjat, Ahmednagar College, A'Nagar for extensive three Phase CRDF global USA sponsored Remote training course for Biotechnology Professionals in which 5 countries had participated.

Team member for eYUVASAPTAH

Ongoing Research projects:

Project on Fish Disease Diagnosis
 Research Guidance:

Guided 2 MSc Biotechnology students and 5 TY BSc Biotechnology for dissertation projects

Conference and Seminars:

Awarded Best Oral Presentation for "Edwardsiella : A potential Threat for aquaculture in Pune" at the National Conference in Agriculture Economics organised by Konkan Krishi Vidya peeth Dapoli held in Goa on 5-6th May 2022.

Presented at the Annual National Conference on Sustainable Ecosystem Aquaculture Fisheries and fisher folk organized by department of Aquatic Biology and Fisheries, University of Kerala, Trivandrum from 28-29 Jan, 2022

Participated in National Webinar on Experiential learning as Envisaged in NEP 2020 organized by

SGTB Khalsa College under PMMMNMTT of Ministry of Education on 19th June 2022.

Participated in PHASE II Remote training program on Theoretical Applications of Biosecurity Best Practices to Secure Biological Materials, Equipment, and Knowledge by CRDF Global USA May 16-27, 2022.

One day workshop on Revised guidelines for NAAC Accreditation, A quality initiative by IQAC, Modern Law College on 5th March 2022.

Ms. Kawaljeet Kaur

Academic and administrative responsibilities/ achievements:

1. Internal examiner (M.Sc. Theory)
2. Subject Expert (M.Sc. Practical)

Appointed as a Resource Person: NIL

Involvement in organization of the events in the college:

1. eYUVASAPTAH

Ongoing Research projects: NIL

Research Guidance: 08 (MSc project)

Books Published: NIL

Research/Review Articles published:

1. Kaur, K., Reddy, S., Barathe, P. et al (2021). Microplastic-associated pathogens and antimicrobial resistance in environment. *Chemosphere* 133005. <https://doi.org/10.1016/j.chemosphere.2021.133005>
2. Reddy, S., Barathe, P., Kaur, K., Anand, U., Shriram, V., Kumar, V. (2022). Antimicrobial Resistance and Medicinal Plant Products as Potential Alternatives to Antibiotics in Animal Husbandry. In: Kumar, V., Shriram, V., Paul, A., Thakur, M. (eds) *Antimicrobial Resistance*. Springer, Singapore. https://doi.org/10.1007/978-981-16-3120-7_13
3. Tan, P., Du, X., Shang, Y., Zhu, K., Joshi, S., Kaur, K., Khare, T., Kumar, V. (2022). Ion transporters and their exploration for conferring abiotic stress tolerance in plants. *Plant Growth Regul* 96, 1–23. <https://doi.org/10.1007/s10725-021-00762-0>
4. Kaur, K., Reddy, S., Barathe, P., Shriram, V., Anand, U., Proćków, J., & Kumar, V. (2021). Combating Drug-Resistant Bacteria Using Photothermally Active Nanomaterials: A Perspective Review. *Frontiers in microbiology*, 12, 747019. <https://doi.org/10.3389/fmicb.2021.747019>
5. Malik, S., Kaur, K., Prasad, S. et al. (2021) A perspective review on medicinal plant resources for their antimutagenic potentials. *Environ Sci Pollut Res*. <https://doi.org/10.1007/s11356-021-16057-w>

Chapters published in Books:

1. Thombre, R.S., Kaur, K., Jagtap, S.S., Dixit, J., Vaishampayan, P.V., (2022). Microbial life in space. New Frontiers in Astrobiology, Elsevier.

Any other information:

1. Member of Board Of Studies (BOS).

Dr. Monica Jamla

Academic and administrative responsibilities/ achievements:

1. Internal Examiner (MSc Theory)
2. Internal Examiner (MSc Practicals)

Appointed as a Resource Person: NIL

Involvement in organization of the events in the college:

1. eYUVASAPTAH,
2. JOBUTSAV

Research Guidance: 04 (MSc project)

Research/Review Articles published:

1. Monica Jamla, Tushar Khare, Shrushti Joshi, Suraj Patil, Penna Suprasanna, and Vinay Kumar. 2021. Omics Approaches for Understanding Heavy Metal Responses and Tolerance in Plants. *Current Plant Biology* 27:100213. <https://doi.org/10.1016/j.cpb.2021.100213>.
2. Monica Jamla, Suraj Patil, Shrushti Joshi, Tushar Khare, and Vinay Kumar. 2021. MicroRNAs and Their Exploration for Developing Heavy Metal-tolerant Plants. *Journal of Plant Growth Regulation*. <https://doi.org/10.1007/s00344-021-10476-2>.
3. Suraj Patil, Shrushti Joshi, Monica Jamla, Xianrong Zhou, Mohammad J Taherzadeh, Penna Suprasanna & Vinay Kumar. 2021. MicroRNA-mediated bioengineering for climate resilience in crop. *Bioengineered* 12:10446-10472. <https://doi.org/10.1080/21655979.2021.1997244>.
4. Cai Q, Suraj Patil, Shrushti Joshi, Monica Jamla, Vinay Kumar. 2021 Exploring epitranscriptomics for Crop Improvement and Environmental Stress Tolerance. *Plant Physiology and Biochemistry* 183: 56-71. <https://doi.org/10.1016/j.plaphy.2022.04.031>.
5. Kandasamy Saravanakumar , Sugavaneswaran Sivasantosh , Anbazhagan Sathiyaseelan, Alwarappan Sankaranarayanan ,Kumar Vishven Naveen, Xin Zhang, Monica Jamla , Sampathkumar Vijayasarathy, Veeraraghavan Vishnu Priya, Davoodbasha MubarakAli, Myeong-Hyeon Wang. 2022. Impact of benzo[a]pyrene with other pollutants induce the molecular alternation in the biological system: existence, detection, and

remediation methods. *Environmental Pollution* 304: 119207. <https://doi.org/10.1016/j.envpol.2022.119207>.

6. Monica Jamla; Shrushti Joshi; Suraj Patil; Bhumi Tripathi; Vinay Kumar. 2022. MicroRNAs modulating nutrient homeostasis: A sustainable approach for developing biofortified crops. *Protoplasma* 1-15. <https://doi.org/10.1007/s00709-022-01775-w>.

Conference Abstract

7. Monica Jamla, "Studying synergistic effects of dual nanocarriers in PGPR assisted biodegradation of the polycyclic aromatic hydrocarbons" at International Conference on Nanoscience and Nanotechnology, November 17-18, 2022 in Dubai, UAE.

Reviewer/Editor for the following journals:

1. Journal of Plant Growth and Regulation,
2. Frontiers in Plant Science,
3. Science of the Total Environment and
4. Journal of Hazardous Materials

Any other information:

1. Invitation as a speaker for "2nd International Conference on Cell Science & Molecular Biology" which is scheduled at Hilton Garden Inn Rome Airport , Rome, Italy from September 26 - 28, 2022.
2. Invitation as a speaker for "Global Summit on Earth Science and Climate Change" (Adv .ESCC 2022) on September 15-16, 2022. This conference will be held at Paris, France.
3. Invitation as a speaker for " 3rd International Conference on Cancer & Oncology " which is scheduled at Hilton Garden Inn Zurich Limmattal , Zurich, Switzerland from October 17- 19, 2022.

Mr. Sagar Anekar

Academic and administrative responsibilities/ achievements:

3. Internal examiner (B.Sc. Theory)
4. Subject Expert (B.Sc. Practical)

Appointed as a Resource Person: NIL

Involvement in organization of the events in the college:

2. DBT Science Day (Science Adda)
Research Guidance: 05 (B.Sc. Project)

Other Achievements: One day workshop on Revised guidelines for NAAC Accreditation, A quality initiative by IQAC, Modern Law College on 5th March 2022.

Mr. Sadanand Deshpande

Academic and administrative responsibilities/ achievements:

1. Internal examiner (B.Sc. Theory)
 2. Subject Expert (B.Sc. Practical)
- Appointed as a Resource Person: NIL
Involvement in organization of the events in the

college:

3. DBT Science Day (Science Adda)
Research Guidance: 08 (B.Sc. Project)

Other Achievements: One-day workshop on Revised guidelines for NAAC Accreditation, A quality initiative by IQAC, Modern Law College on 5th March 2022.

STUDENTS ACHIEVEMENTS:

1. Placement Record: List of students placed

Sr. No.	Name of students	Name of Employer and contact details
1	Kalyani Pillay	PES's Modern College of Arts, Science and Commerce, Ganeshkhind, Pune-16
2	Revati Lakhe	Springer Nature, Pune
3	Sanskruti kadam	Springer Nature, Pune
4	Mustafa Inamdar	Decode Age, Bangalore
5	Sadanand Deshpande	PES's Modern College of Arts, Science and Commerce, Ganeshkhind, Pune-16

1. Research / Internship data/ Co-curricular/ Extracurricular/ Sports data: PhDs awarded:

Name of the student	Title of thesis	Subject	University	Guide
Mr. Braj Mohan	Molecular Epidemiology of Antibiotic Resistance in Clinical Isolates of <i>Vibrio</i> Spp. from India	Biotechnology	Savitribai Phule Pune University	Dr. Vinay Kumar
Mr Tushar Khare	Studies on rice responses and adaptive strategies to sodium toxicity	Environmental Science	Savitribai Phule Pune University	Dr. Vinay Kumar

Other achievements:

Name of students	Details
Ms. Rugvedi Kadu	Cleared GATE- 2022 in Biotechnology
Mr. Mustafa Inamdar	Has a podcast named Biotech Talks
Mr. Sumedh Gaikwad	Cleared GAT B
Ms. Anchal Nawgade	Cleared GAT B
IWC Participation	SY B.Sc Biotechnology-Akanksha Gurjar, Akshata Damle, Nikita Khande, Sejal Landage, Ashwini Salve, Manasi Kathe, Neha Patil, Akshada Pawar, Shreya Chavan, Nupur Namjoshi, Jayavarrshini Balamurugan, Revati Pandit, Irawati Savant.
Sports	Pranali Joshi-Chess Champion at interclass chess championship • Vedant Raje, Rushikesh Patil, Rahul Patil, Rohan Mandawade, Akshay Gore, Rohan Thakare, Nayan Chaudhari: Participated in intercollegiate sports competition (cricket) • FY.B.Sc (Biotechnology) • Parang Gangani- Played Badminton at Intercollegiate and interclass sports competition • Shreyas sakate- Intercollegiate sports for baseball and softball) • Radni Patil - interclass sports competition • Siddhesh keskar- Interclass sports competition • Hrishikesh Jawale- Interclass sports competition SY Biotechnology- Akshata Damle (Swimming), • Akanksha Gurjar (Selected for Badminton at College level, • Mrunal Jahagirdar and Sanvedna Kamble- Played Chess at College level • Shubham Kamble- Played Cricket at College level • Revati Pandit -Played Football at College level • Aditya Amrale-Reached quarter final for Kabaddi.

Extracurricular	<p>FY.B.Sc (Biotechnology)</p> <ul style="list-style-type: none"> • Komal Sonawane, Sharvari Haldavnekar, Aditi Phatak- (Purshottam Karandak 2021, Jayant Karandak 2021, Gadkari Karandak 2021) • Caption contest- Sapna Sharma, Sejal dhawane, Vedarth Patil • Handwriting Competition- Sapna Sharma, Sejal dhawane, Riya Singh. • Rangoli competition- Sapna Sharma • Paragraph writing- Vedarth Patil, Gayatri Kalambe • Eposter competition- Sejal dhawane • Elocution- Rishi Sangode • Pune GenzClub activities- Nikita Dimbar • Expempore- Aditya Somani, Bhagyashree Autade, Nikita Dimbar • Kaavya Iyer -Qualified Akhil Bhartiya Gandharva Mahavidyalaya Mandal Exam Visharad Pratham Exam • Rachana Gawali : Won prizes in Mehendi and Rangoli Competitions during E-Yuvasaptah • Rutuja Kale: Participated in e-Yuva Saptah
Extracurricular	<p>FY.B.Sc (Biotechnology)</p> <p>2022 • Girish Kulkarni: 1st prize for lights arrangements in a theatre play, Jayant karandak; Best short film award in banglore film festival " The door is in your hand"; Participation certificate for organising and participating in India-Bangladesh sadbhavana cycle rally</p> <ul style="list-style-type: none"> • Kadhare Prerana: Participated in e-Yuva Saptah 2022- Handwriting competition- English, Marathi • Kandivkar Dhanashree: Participated in e-Yuva Saptah 2022- Handwriting competition- English, Psychology Quiz
Co-curricular	<p>F.Y. B.Sc (Biotechnology)</p> <p>Science day quiz- Asmi Acharya, Shruti Kumar, Sejal dhawane, Gayatri Kalambe</p> <ul style="list-style-type: none"> • Psychology quiz- Sapna Sharma, Asmi Acharya <p>SY Biotechnology-</p> <p>Akanksha Gurjar participated in Handwriting competition under Yuva Spatah,</p> <ul style="list-style-type: none"> • icrobiomme competition, Writing for the Odyssey magazine, Extempore Competition, Participated in mimamsa IISER competition) • Kaavya Iyer -Presented Poster in International conference and Extempore Competition • Nupur Namjoshi-Presented Poster in International conference, Extempore Competition. • Jayavarrshini Balamurugan, Mallika Kamble, Revati Pandit, Sumit Giri, Sakshi Sonkusare, Adwait Dighe and Arika Raheja- Participated in Extempore Competition held under Yuva Saptah
Co-curricular	<ul style="list-style-type: none"> • Rutuja Kale: Participated in Two day International conference via virtual platform on "Nanomedicine:Biomolecules for Human health-(NBHH 2021)"; Participated in 2nd Virtual conference on Naturopathy, Nanotechnology, Nutraceuticals and Immuno-therapy in Cancer research- 2021 (ICN3IC-21) • Sumedha Setu Agellu: attended 3 days E-workshop on basics of bioinformatics conducted by " Biosrishti--online life science solutions • Rutuja Kolapkar: Participated in CRDF Global-Sponsored Remote Training Program 2022. • Bhumeeja Wadekar: Attended workshop on CRISPR Technology; Participated on webinar on Diagnostic 'OMICS' for Active Tuberculosis • Mehul Bhayani : Participated in National workshop cum training on Drug discovery and AI in healthcare conducted by E-cell (IIT kharagpur) • Rushikesh Patil, Rohan Mandawade: Biosafety e-Poster competition • Rahul Patil: Biosafety e-Poster competition; Participated in the Four week International Online Certificate Course on "MEDICAL BACTERIOLOGY"

Dr. Vinay Kumar
HoD of Biotechnology

DEPARTMENT OF BOTANY

Departmental Activities

A. Exhibitions/seminars/training courses conducted:

1. Conducted Certificate course in "Basics of Phytochemistry" for S.Y. B.Sc. student from 15/01/22 to 22/01/2022 (104 students)

B. Outreach Activities:

1. Online Essay competition on "How to minimize use of plastic" was organized on 27th September 2021 (78 Participant).
2. 24 students worked as volunteer for Medicinal plant and plant diversity exhibition organized under "Science Adda" of Department of Biotechnology, Govt. of India on Wednesday, 5th January 2022
3. A state level guest lecture series on "Recent Advances in Plant Science" was organized from 1st to 3rd September 2021 (100 participant)
4. E- Seminar Competition was organized on 'Wetland conservation for Restoration of Biodiversity' on 2nd February 2022 (116 participant).
5. 40 Students have participated in "Kisan Agriculture Expo" organized by Kisan Agriculture Expo.
6. Developed a Terrace Garden in association with 'Simple Agriculture Innovation' and 'Agribiosys' Pune

C. Student achievement:

1. Ms. Chaitrali Salunkhe (FY B.Sc.) won Third prize in 'National Virtual Seminar Competition' organized by Shri Shivaji science college, Akola on 30th September 2021
2. Ms. Chaitrali Salunkhe, Ms. Shriya Kulkarni, Mr. Sumit Lolge and Ms. Vaishnavi Dighe Participated in Green College Clean College trophy of Kirloskar Vasundhara.
3. Five students have participated in Kirloskar international film festival was organized by Kirloskar Vasundhara group from 14th to 17th December 2021
4. Four students have participated in Reed Bed project

E. Staff Achievement

1. Dr. Prachi Raval
 - ✓ Work as a chairman of paper setting for F.Y.B.Sc.
 - ✓ Attended a webinar on 14th Sept. 2021 by ABI/BPD, ICAR-IIHR, Indian Institute of Horticulture Research Bangalore on "Start-up Ecosystem in Horticulture"
 - ✓ Work as an examiner for an assay competition on

the the occasion of Green Consumer Day on 27th Sept.2021.

- ✓ Participated in paper setting of S.Y.B.Sc. Examinations of SPPU.
 - ✓ Attended one day workshop on Revised NAAC Accreditation on 5th March 2022 organized by Modern Law College, GK, Pune
2. Dr. Prachi Kshirsagar
 - ✓ Worked as Co-ordinator for "Reed Bed Project on Ramnadi" in association with Kirloskar Vasundhara Group, Pune
 - ✓ Worked as Resource person for Ph.D course work in Department of Zoology and delivered lecture on 'Documentation and Presentation of Data' on 27th March 2021.
 - ✓ Worked as Resource person in Guest lecture series organized by Shri Shivaji Science College, Chikhali and delivered lecture on 'Growing Medium and methods of seed sowing in nursery' on 16th September 2021.
 - ✓ Worked as Judge for essay writing competition organized by Maharashtra Biodiversity Board on 22nd May 2021.
 - ✓ Worked as Judge for International Short Film Festival organized by Department of Social Forestry and Sanskruti Foundation, Pune Maharashtra Biodiversity Board on 9th January 2022 under Harit Vasundhara Mahotsav
 - ✓ Attended International e conference on Emerging trends in life sciences organized by Dada Patil Mahavidyalay, Karjat Ahmadnagar on 30.09.2021
 - ✓ Attended national webinar on conservation of nature - a way of life organized by Dhempe college, Miramar Goa on 28.07.2021
 - ✓ Online workshop on Digital Herbarium a step into the future on 3rd October 2021 organized by Vigyan Prasar and Indian Women Science Association.
 - ✓ E conference on New trends in Biodiversity organized by Narayanrao College, Karanja on 30th September 2021.
 - ✓ One day workshop on Revised NAAC Accreditation on 5th March 2022 organized by Modern Law College, GK, Pune
 - ✓ Two day Practical Workshop in B.Sc. Blended Biology at Modern College, Shivaji Nagar on 4 - 5th April 2022
 - ✓ One day Practical Workshop in SY B.Sc. Blended Botany at VP College, Baramati on 7th May 2022

Dr. Prachi Raval

HoD of Botany



DEPARTMENT OF BACHELOR OF VOCATION (B.VOC.)

B. Voc Programme for Food Processing Technology:

The University Grants Commission (UGC) has launched a scheme on skills development based higher education as part of college education, leading to Bachelor of Vocational (B. Voc.) degree with multiple exits such as Diploma/Advanced Diploma under the National Skill Qualification framework (NSQF). The B. Voc. Programme is focused on providing undergraduate studies which would also incorporate specific jobs and their NOSs (National Occupational standards) along with broad based general education. This would enable the graduates completing B. Voc. to make a meaningful participation in accelerating India's economy by gaining appropriate employment, becoming entrepreneurs and creating appropriate knowledge.

Levels of Awards:

This course will offer multiple exits such as Diploma/Advanced Diploma/ B. Voc. degree each imparting students with employability and entrepreneurship in industry of chosen specialization which will be offered under the

Savitribai Phule Pune University.

Award	Duration
Diploma	1 Year
Advanced Diploma	2 Years
B. Voc. Degree	3 Years

About the course:

Under National Skills Development Corporation, many Sector Skill Council representing respective industries have/are being established. One of the mandates of Sector Skill Councils is to develop National Occupational Standards (NOSs) for various jobs in their respective industries. It is important to embed the competencies required for specific jobs roles in the higher education system for creating employable graduates.

This course will identify and fill the skill gaps. The mandate of this program is to create a course with industry-academia collaboration that will produce skilled workforce satisfying specific needs of the industry. This course will offer multiple needs of the industry. The structure will allow offer multiple needs of the industry. The structure will allow

students to have thorough theoretical knowledge coupled with rigorous hands on training in both laboratory and industry.

Unique Features of the Course:

- The skill development component is to equip students with appropriate knowledge, practice and attitude, so they are ready to work.
- The skill development components will be relevant to the industries as per their requirements.
- The curriculum is embed with National Occupational Standards (NOSs) of specific job roles within the industry sector(s).
- The overall design of the skill development component along with technologies in food process engineering.
- The curriculum should also focus on work-readiness skills in each of the three years. Curriculum should also focus on work-readiness skills in each of the three years. Curriculum is designed to match industrial needs with greater emphasis on practical work, on the job training and industrial internship.

**Activities of B.Voc. Department:
Teacher Day Celebration**



Teacher day celebrated on 5th September 2021 at B.Voc department by all students of F.Y, S.Y and T.Y.

Teaching staff Mrs. Mrunal Pardeshi, Mrs. Bhagyashri Sarode, Dr. Rupali Shinde were present for the event.



Guest Lecture on Study skills

The guest lecture of Dr. Anup Kulkarni, Director, Ignitio Zealous Academy on Study abroad was arranged for F. Y. B.Voc, S.Y.B. Voc and T. Y. B. Voc. students on study skills on 03/01/2022, Monday, at 03.00pm to 4.00pm on online mode. Total 60 students attended the lecture.

**Guest Lecture by Dr. Anup Kulkarni
Celebration of year 2023 as International Year of Millets (IYOM)**

The proposal of India was supported by 72 countries and United Nations General Assembling (UNGA) declared 2023 as international year of millets on 5th march 2021. Now, Government of India has decided to celebrate IYOM, 2023 to make it peoples movement so that the Indian millets, recipes, value added products are accepted globally.

IYOM celebrated by Department of B.Voc Food processing technology at B.Voc department. F.Y, S.Y T.Y students of B.Voc, All teaching staff Mrs. Bhagyashri Sarode , Dr. Rupali Shinde, non teaching staff Mr.Amol Kolharkar, Mrs. Sangita Nikam were present for the event.

**2023: International Year of Millets
T.Y.B.Voc Best Projects (2021-22)**

Group No.	Name of Students	Project Title
I	Vaishanvi Bhosale, Namrata Apar, Atharva Phadatare, Vinayak wagh	Optimization and formulation of multi millets base ready to reconstitutes soup and kheer mix
II	Chirayu Kadulkar, Gaurav Gawade, Sakshi wagh, Divya Kurlap, Prachi Bhore	Formulation and production of cheese
III	Abhishek Kotwal, Sanket Kotawal, Ajukya Nimbalkar, Anish Gahvane, Sameer Jadhav	Preparation of plant base meat burger patty
IV	Shradha Shinde, Alisha Nhavelkar, Mayur Nikam, Vaibhav Jadhav	Formulation of wood apple chocolate energy bar
V	Prathamesh Chavan, Pravin Devikar, Akash Shelake	Optimization and formulation of multigrain biscuit

Mrunal Pardeshi
HoD of B.VOC

DEPARTMENT OF COMPUTER SCIENCE

Interaction 2022 :

“INTERACTION 2022” was a milestone in the glorious tradition of the Computer Science Department. This was the 19th year of INTERACTION which was held online due to pandemic. There were 1200+ students from 53 cities, 11 states and 4 different countries.

“Interaction 2022” was held online on 6th and 7th January 2022. The competition was inaugurated by Dr. K. V. Suresha (Principal, JSS College for Womens Saraswathipuram Mysore), Dr. Sanjay Kharat (Principal, Modern College, Ganeshkhind), Mrs. Swati Kandharkar (Vice Principal) and Dr. Shubhangi Bhatambrekar (Head of Computer Science Department) was present for the Inauguration ceremony. ‘Online Quiz for students and teachers’ and ‘Grab the Opportunity’ competitions were held on 6th January 2022. Total 300+ students participated in these competitions.

On the second day E-Poster, Project Competition and Video Contest were held and 100+ students participated in these competitions.

The chief guest was Dr. Ravindra Kshirsagar(CEO) for the valedictory session. Dr. Sanjay Kharat (Principal, Modern College, Ganeshkhind), Mrs. Swati Kandharkar (Vice Principal Science), Dr. Jyoti Gagangras (Vice Principal Arts), Dr. Shubhangi Joshi (Vice Principal Commerce), Dr. Shubhangi Bhatambrekar (Head of Computer Science Department), Ms. Ashwini G. Pawar (Coordinator of Interaction – 2022), IQAC coordinator Dr. Parag Shah, Computer Science and BCA Science staff members and also supporting staff, Participants and Volunteers were present for the Inauguration as well as for valedictory ceremony. The winners got the cash prizes and e-certificates.

Soft Skill Workshop 2021-22



Department Of Statistics, Computer Science and Mathematics, P.E.Society’s Modern College of Arts, Science and Commerce, Ganeshkhind, Pune-16, jointly organized two day workshop on “Soft skill workshop” on 28th and 29th December, 2021. Students from various departments attended this workshop. Total no. of student’s attended the workshop is 76.

The presence of distinguished personalities such as Mr.

Milind Tilak (Senior Director- Operations, Large IT Services, Pune), Prof. Dr. Sanjay Kharat (Principal- Modern College, Ganeshkhind, Pune-16), Prof. Swati Kandharkar (Vice Principal- Modern College, Ganeshkhind, Pune-16), Dr. Prakash Dixit (Visitor, Modern College, Ganeshkhind, Pune-16), Prof. Rajashree Umarani (Head of Department, Statistics) prof. Dr. Shubhangi Bhatambrekar (Head of Department, Computer Science), Dr. Satish Ambike (Coordinator, Soft skill workshop) graced the inaugural function of the workshop. Dr. Prakash Dixit felicitated Chief Guest Mr. Milind Tilak. Mrs. Meenal Jabade gave introduction about the guest.

Topics Included in Program

- Mock Interview
- Goal Setting and communication skill
- Health care
- Creativity
- Interpersonal Skills and Body language
- Group Discussion

Guest Lectures:

Sr No.	Date	Name of the Expert	Name of Enrichment Activity
1	28/12/2021	Dr. Atul Patil	Interpersonal Skills
2	28/12/2021	Ms. Kavita Walawalkar	Body Language
3	28/12/2021	Ms. Amruta Kulkarni	Interview Technique and Resume Writing
4	28/12/2021	Mr. Sunil Patil	Group Discussion
5	29/12/2021	Ms. Neha Ratnakar	Mock Interview
6	29/12/2021	Mr. Rahul Joshi	Goal Setting and Communication Skill
7	29/12/2021	Dr. Harish Patankar	Health Care
8	29/12/2021	Mr. Rajiv Tulpule	Creativity

Staff Achievements:

1. Dr. S.S. Bhatambrekar

- Invited as Chief Guest and keynote speaker for International conference on Artificial Intelligence by Asian College of Science and Commerce, Pune on 6th May 22
- Participated in One Day Workshop on Revised Guidelines for NAAC Accreditation organized by Modern Law College on 5th March 2022.

2. Dr. Pallawi Bulakh

- Published book on “Management Information System” for TYBCA (Science), Nirali Prakashan,

ISBN:978-935451-341-1, Apr 22

- Published book on "Recent Trends in IT" for TYBCA(Science), Nirali Prakashan, ISBN:978-93-5451-003-8, Apr 22.
- Published a research paper on "College Staff Data Management By Using Graphical Database Neo4j: A Case Study" at International conference on Artificial Intelligence by Asian College of Science and Commerce on 7th May 22
- Worked as Resource Person for TYBCA(Science) syllabus restructuring workshop
- Participated in One Day Workshop on Revised Guidelines for NAAC Accreditation organized by Modern Law College on 5th March 2022.

3. Dr. Dipali Meher

- Published a research paper on Databases for Machine Learning: A journey from SQL to NOSQL at An International Conference On RECENT ADVANCES IN MATERIALS, MANUFACTURING AND MACHINE LEARNING RAMMML-2022, Springer
- Published a research paper on "College Staff Data Management By Using Graphical Database Neo4j: A Case Study" at International conference on Artificial Intelligence by Asian College of Science and Commerce on 7th May 22
- Published book on, "Software Engineering" for SYBSc(Computer Science), Parijat Prakashan, ISBN 978-93-90769-15-5, November 2021
- Published book on "Introduction to Go Programming" for TYBCA(Science), Nirali Prakashan, ISBN:978-93-54516-05-4, Apr 2022
- Published book on "Management Information System" for TYBCA(Science), Nirali Prakashan, ISBN:978-935451-341-1, Apr 22
- Worked as Resource Person for TYBCA(Science) syllabus restructuring workshop
- Participated in One Day Workshop on Revised Guidelines for NAAC Accreditation organized by Modern Law College on 5th March 2022.

4. Dr. Satish Ambike

- Published book on "Software Testing and Quality Assurance" for MCA (Management), Nirali Prakashan, ISBN:978-93-89, Apr 22
- Resource Person to deliver a talk on Software Tester in the Discipline Specific Faculty Development Program for Skill Program organized by the Department of Computer Science, YCIS Satara (Autonomous Institute)
- Participated in One Day Workshop on Revised Guidelines for NAAC Accreditation organized by

Modern Law College on 5th March 2022.

5. Prof. Ranjana Shevkar

- Resource Person for TYBSc(Computer Science) Syllabus restructuring workshop
- Member of Syllabus restructuring committee for TYBSc (Cyber and Digital Science)
- Guest Lecture on 'An introduction to disruptive technology : Blockchain' at Kaveri College of Arts, Science and Commerce on 6 May 2022
- Guest Lecture on 'Blockchain Technology - Smart Contract' at Ahmednagar college on 27th January 2022.
- Completed NPTEL FDP on Blockchain and its Applications
- Completed ATAL FDP on Artificial Intelligence on 20 Sept 2021 to 24 Sept 2021
- Participated in One Day Workshop on Revised Guidelines for NAAC Accreditation organized by Modern Law College on 5th March 2022.

6. Prof. Sapkal Kumod

- Successfully completed Orientation course at Teaching Learning Center, Ramanujan College University of Delhi From 22 Aug to 19 Sept 2020-21.
- Successfully completed Refresher course at Teaching Learning Center, Ramanujan College University of Delhi From 20 Feb to 6 March 2021-22.

7. Prof. Sonal Kulkarni

- Successfully Completed ATAL FDP on "Artificial Intelligence And Machine Learning: Research And Application Perspective" from 25 Oct 2021 to 29 Oct 2021.
- Participated in One Day Workshop on Revised Guidelines for NAAC Accreditation organized by Modern Law College on 5th March 2022.

8. Prof. Meenal Jabde

- Published a research paper on "College Staff Data Management By Using Graphical Database Neo4j: A Case Study" at International conference on Artificial Intelligence by Asian College of Science and Commerce on 7th May 22
- Published book on "Recent Trends in IT" for TYBCA(Science), Nirali Prakashan, ISBN:978-93-5451-003-8, Apr 22
- Published book on "Artificial Intelligence" for TYBCA(Science), Nirali Prakashan, ISBN:978-93-5451-003-8, Apr 22
- Worked as Resource Person for TYBCA(Science) syllabus restructuring workshop
- Participated in One Day Workshop on Revised

Guidelines for NAAC Accreditation organized by Modern Law College on 5th March 2022.

9. Prof. Nilesh Arote

- Participated in One Day Workshop on Revised Guidelines for NAAC Accreditation organized by Modern Law College on 5th March 2022.

10. Prof. Ashwini G. Pawar

- Published book on "Data Structures & Algorithms-I" for S.Y.B.Sc(Computer Science), Parijat Prakashan, ISBN:978-93-90769-14-8, Dec 21.
- Received Best Paper award and Published a research paper on "Node Failure Management to Improve the Performance of Wireless Sensor Networks" at International Conference on Recent Trends in Computing (ICRTC2021) IOS Press held by Sanjivani College of Engineering, Kopargaon, on 21 and 22 May 2021.
- Successfully Completed "International Faculty Development Program on Academic Writing for Journal Publication" held on 27th to 29th August 2021, organized by Department of Management Studies, St. Aloysius College, Elthuruth, Thrissur, Kerala, India.
- Successfully Completed AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Faculty Development Programme on Artificial Intelligence" from 20/09/2021 to 24/09/2021 at School of Computer Sciences KBCNMU.
- Successfully Completed AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Recent Advancements in Automatic Speech Recognition and Speaker Verification" from 27/09/2021 to 01/10/2021 at National Institute of Technology Sikkim.
- Participated in FDP on Artificial Intelligence & Data Science Date 3 & 4 March 2022 Organized by Department of MCA, P.E.S.'s Modern College of Engineering, in Association with Society for Data Science.
- Participated in One Day Workshop on Revised

Guidelines for NAAC Accreditation organized by Modern Law College on 5th March 2022.

11. Dr. Ashwin Tomar

- Presented paper on The study of Online Appointment System - A Case Study in IEEE International Conference on Computational Intelligence and Sustainable Engineering Solutions CISES-2022 on 20-22 May 2022 Organized by Dept of MCA G L Bajaj Institute of Technology and Management Greater Noida UP India [It is under Process].
- Book Chapter written on - The Environmental Impact of Online Education - for Taylor & Francis group under heading Online Learning Systems: Methods and Applications with Large-Scaled Data [It is under Process].

12. Prof. Chaitali Makashir

- Participated in One Day Workshop on Revised Guidelines for NAAC Accreditation organized by Modern Law College on 5th March 2022.

13. Prof. Aishwarya Nayak

- Online Faculty Development Program on "Artificial Intelligence & Data Science" on 3rd - 4th March, 2022.
- Participated in One Day Workshop on Revised Guidelines for NAAC Accreditation organized by Modern Law College on 5th March 2022.
- Participated in Seven Days Faculty Development Program on NET/SET Preparation from 21st March to 28th March 2022.

14. Prof. Pooja Bahirat

- Participated in One Day Workshop on Revised Guidelines for NAAC Accreditation organized by Modern Law College on 5th March 2022.

15. Prof. Aparna Sathe

- Participated in One Day Workshop on Revised Guidelines for NAAC Accreditation organized by Modern Law College on 5th March 2022.

Dr. S.S. Bhatambrekar
HoD of Computer Science

DEPARTMENT OF CHEMISTRY

The Corona pandemic lockdown continued for the first six months in the year 2021-22. After the lockdown was over, the department conducted some offline activities for students.

Departmental activities:

1. The Department has received the recognition for Ph.D. Research Centre in Chemistry by S.P. Pune

University.

2. **The first batch of students has successfully completed the B.Sc. Blended course in Chemistry** which is conducted in collaboration with University of Melbourne, Australia.
3. **An Indian Patent titled 'Method for delivering educational material to student'** is filed by the

college in the name of the M.Sc. Chemistry student Mr. Saurabh Avchar and Dr. Mukula Joshi.

4. Dr. Sushma Katade is invited as the Reviewer for the journal 'Phytomedicine', an Elsevier Publication.
5. Dr. Dipratn Khandare qualified MH-SET exam Sept 2021
6. The department actively participated in the event 'Science Adda' on 5th January, 2022 which was organized in association with DBT, Govt. of India in which over 300 school students visited the departmental exhibition of projects.
7. Dr. Krishna Kulkarni, Ex-Director, Directorate of Forensic Science Laboratory, Mumbai delivered a lecture on 'Legal Aspects of Forensic Science' on 26.11.2021 [under STAR-DBT].
8. Dr. Rajendra Kokare, Dy. Director, Regional Forensic Science Laboratory delivered a lecture on 'Application of Analytical Techniques in Forensic Science' [under STAR-DBT].
9. In Industry-Academia Connect, two lectures were organized about Innovation: Research in Analytical Chemistry in which Dr. Maikup of Emcure Pharma [09.5.2022] and Dr. Kulkarni [Kulkarni Laboratories] interacted with the postgraduate students [under STAR-DBT].

Teachers Achievements:

1. Dr. Madhuri Kulkarni was invited as a Resource person in the FDP on 'Undergraduate Syllabi of Chemistry: CBCS-2019 Pattern' organized by AWC and Hutatma Babu Genu Science College, Manchar on August 3, 2021.
2. Dr. Madhuri Kulkarni was invited as the resource person in the workshop on "New Revised Syllabus of T.Y.B.Sc. Chemistry SPPU Pune organized by Prof. Ramkrishna More ACS, Akurdi, Pune on 30th August 2021.
3. Dr. Mukula Joshi was invited as a resource person at the 'Online Certificate Course in Computers in Chemistry' organized by Bharatiya Jain Sanghatana's Arts, Science and Commerce College, Wagholi, Pune, on March 19 and 24, 2022.
4. Dr. Sushma Katade et al published a Review article on 'Phytochemistry and Pharmacological Aspects of *Tridax procumbens* (L)' in Phytomedicine Plus journal. (November 2021).
5. Dr. Mohini Gupte and Dr. Sushma Katade conducted the Carbon Audit 2020-21 for Modern College of ASC, Ganeshkhind, Pune.
6. Dr. Sushma Katade completed the FDP on 'Soft Skills for Teachers (Organic Chemistry)' conducted by UGC-HRDC at SPPU.
7. Dr. Dipratn Khandare attended one week FDP on "GREEN CHEMISTRY FOR SUSTAINABLE DEVELOPEMENT"
8. Dr. Mohini Kute and Mrs. Revati Nagarkar presented a paper at National Conference on "Emerging Trends in Chemistry" organized by Shankarrao Mohite on topic Mahavidyalaya, Akulj on 10th Feb 2022 on topic 'Synthesis, Characterization and application of mixed metal oxides in organic transformation'.
9. Ketaki Saravate presented a paper on "The synthesis of isoxazol-5 (4H)-ones in presence of green reaction conditions" in Online National Conference on 'Emerging Trends in Chemistry' organized by Department of Chemistry, Shankarrao Mohite Mahavidyalaya, Akulj held on 10th February 2022.
10. Mrs. Gayatri Shrotriya received the Second Prize in a State level essay competition organized on account of Teachers Day.
11. Dr. Sushama Kale, Dr. Mohini Gupte, Dr. Mukula Joshi and Mrs. Anuradha Bhamidi participated in the workshop on "New Revised Syllabus of T.Y.B.Sc. Chemistry SPPU Pune organized by Prof. Ramkrishna More ACS College, Akurdi, Pune on 30th August 2021.
12. Dr. Mohini Gupte and Dr. Rucha Purandare participated in the Indo-US International virtual workshop on 'India Mission for Green Hydrogen and Go Electric' on March 16-17, 2022.
13. Dr. Mohini Gupte and Dr. Rucha Purandare participated in a one day workshop on 'Sensors and Instrumentation for Armament technology' in ARDE, Pune on 25th February 2022.
14. Dr. Mohini Gupte and Dr. Rucha Purandare participated in five webinars in the Wiley Analytical Science Spring 2022 Conference.
15. Dr. Mukula Joshi and Dr. Sushma Katade participated in a two days training programme on 'Chemoinformatics and its Applications in research and drug industry' conducted by Makeintern and E-cell IIT Kharagpur at R.M. College, Akurdi on April 18-19, 2022.
16. Dr. Madhuri Kulkarni and Mrs. Anuradha B. participated in a Webinar on 'DELNET : Resources & Services' organized by Modernn ollege of ASC, Ganeshkhind, Pune 16 on 22nd September 2022.
17. Dr. Sushama Kale, Dr. Mohini Gupte, Mrs. Anuradha Bhamidi, Mrs. Revati Nagarkar, Mrs. Ketaki Saravate, Mrs. Gayatri Shrotriya and Dr. Rucha Purandare participated in the One Day Workshop on Revised Guidelines for NAAC Accreditation, A Quality Initiative Programme by IQAC, Modern Law College on 5th March 2022.

18. In the Science Adda event organized by the Modern College of ASC, Ganeshkhind under the Department of Biotechnology, Govt. of India, Delhi on 5th January 2022, the participation of teachers and their projects is listed below: Dr. Mohini Gupte- 'Concept of Waves with a working model' Mrs. Anuradha Bhamidi- 'Flame Chemistry' Mrs. Revati Nagarkar- 'Everyday Chemistry' Dr. Rucha Purandare- 'Magical Chemistry with a working model', Mrs. Gayatri Shrotriya- Forensic Chemistry.
18. Dr. Dipratn Khandare attended international Webinar "RSC-IISER Desktop Seminar With Dalton Transaction".

Students' Achievements:

1. Mr. Harshal Patil of M.Sc. is awarded NET-JRF scholarship and has also cleared SET and GATE examinations. He has been selected for the Ph.D. programs at IIT, Chennai, IIT, Dharwad, IISER, Bhopal, IISER, Tirupati and CDRI Lucknow.
2. Ms. Ankita Jadhav, an alumnus has been awarded Ph. D. by S.P. Pune University.
3. Ms. Shweta Rengade is awarded CSIR-JRF scholarship for Ph.D.
4. Ms. Ankita Mishra is selected for the Ph.D. program at the University of Toledo, USA.
5. Mr Saurabh Avachar from M.Sc. II has filed an Indian Patent 202221010540 on the development of an educational material.
6. Science Adda: 16 UG and 7 PG students participated in Science exhibition organized under DBT STAR College Scheme for school children for popularization of Science.
7. Five M.Sc. students cleared PET examination and 1 student (Nikita Vyavahare) has joined the Department of Chemistry, SPPU, for pursuing her Ph.D. degree.
8. Tushar Randive of T.Y.B.Sc. bagged First Prize in Maharashtra State Invitational Karate Championship 2021. He also participated in Karate Training Camp by World Traditional Shotokan Karate Federation, on 21 st and 22 st January 2022.
9. Ms. Deshpande Archana (M.Sc. II), Ms. Kambale Harshada (M.Sc. II), Mr. Ubale Abhishek (T.Y. Blended) have presented a research paper entitled "Synthesis, Characterization and application of mixed metal oxides in organic transformation" at National Conference on "Emerging Trends in Chemistry" organized by Shankarrao Mohite Mahavidyalaya, Akulj on 10th Feb 2022, under the Guidance of Dr. Mohini Kute and Mrs. Revati Nagarkar.
10. Ms. Komal Kale (M.Sc.II) and Mr.Yeman Rana (M.Sc.II) presented a research paper entitled "Synthesis and catalytic activity of Zn-Co mixed metal oxides" in Online National Conference on "Emerging Trends in Chemistry" organized by Department of Chemistry, Shankarrao Mohite Mahavidyalaya, Akulj held on 10th February 2022, under the Guidance of Dr. Rucha Purandare.
11. Mr. Pramod Ghorpade (M.Sc. II) has received Second prize at state level intercollegiate poetry reading competition. Ms. Aishwarya Nehe (M.Sc. II) has received first prize at state level intercollegiate poetry reading competition.
12. Pramod Ghorpade and Aishwarya Nehe (M.Sc. II) submitted abstract in Online National Conference on "Emerging Trends in Chemistry" organized by Department of Chemistry, Shankarrao Mohite Mahavidyalaya, Akulj held on 10th February 2022.
13. Ms. Amruta Mule (M.Sc.II) has received consolation prize in Intercollegiate lecture competition conducted by Abasaheb Garware College, Pune on 10th may 2022.
14. Mr. Dhananjay Bodkhe (M.Sc. II) has received first prize in an essay competition on Dr. Babasaheb Ambedkar conducted by modern College Ganeshkhind.
15. Ten M.Sc. II students attended a workshop on Chemistry of natural products- inspiring journey from nature to laboratory organized by Annasaheb Magar College, Pune.
16. Pramod Ghorpade, Tushar Mohite, Aishwarya Nehe, Trupti Hirshetti, Dhiraj Jadhav, Amol Varpe and Hrishikesh Varpe of MSc II Organic Chemistry have been selected for the post of Junior Research Associate at Aragen Lifesciences, Hyderabad.
17. Students of T.Y.B.Sc and M.Sc II along with Dr. Mohini Gupte, Mrs. Revati Nagarkar and Ketaki Saravate, visited ARDE, Pashan where the Exhibition was conducted on account of the celebration of the 75th Republic year of India on 18th December 2021.

B.Sc. Blended Chemistry Report 2022-23

Dr Nivedita Das and Dr Prachi Kshirsagar attended the "Workshop on the B.Sc. Blended: Curriculum Development and Diversity of Bioscience Practicals" at Modern College, Shivajinagar during April 4-5, 2022.

All B.Sc. Blended students have attended the online 'Science Festival' organized by the University of Melbourne, Australia.

Dr Andrew Drinnal visited Modern College Ganeshkhind and interacted with the B.Sc. Blended students and teaching staff. The project presentations of the T.Y.B.Sc. Blended students were reviewed by Dr. Drinnen.

An interaction was organized for the students with Professor B.S. Madhavarao, the mentor of B.Sc. blended Program, Professor M. Ashok Kumar, Pro-Vice Chancellor of University of Melbourne and De Moira O'Brian Dean of Science faculty, University of Melbourne at S.P. Pune University, Pune in March 2022.

Ms. Pallavi Kajrekar, Shrijeet Kulkarni, Abhishek Ubale, Isha Shrivastava, Madhavi Atkar, Omkar Khapare, Gayatri Dharmadhikari, Gargi Bhise, Purva Kharade, Samiksha Tambe, Aniket Rak and Kishori More participated in DBT sponsored science exhibition 'Science Adda'.

Omkar Khapare, Gayatri Dharmadhikari, Gargi Bhise, Purva Kharade, Samiksha Tambe are involved in the 'Ramnadi Reed Bed Project' which is in collaboration with Modern College Ganeshkhind and Kirloskar Vasundhara' for the purification and beautification of river named Ram at Somesh warwadi. This is done under the guidance of Dr. Prachi Kshirsagar.

Omkar Khapare from S.Y.B.Sc. Blended has attended the Winter Camp organized by Indian Institute of Technology, Kharagpur. He has also participated in national level webinar on 'Writing and Execution of Scientific Research Articles'. He has bagged a prize in a poetry competition..

Gayatri Dharmadhikari completed a three months Internship at the Center for Scientific Education

and Communication at Savitribai Phule Pune University. She is an active member of 'Inner Wheel Club' which is an international women's Organization.

Gargi Bhise and Gayatri Dharmadhikari completed the NPTEL Certificate course on 'Our Mathematical Senses'. Gargi also participated in the Astrophysics Quiz.

Aniket Rak from F.Y.B.Sc. Blended won First Prize in the national level video making competition held on World's Wetland day. He had visited Assam under the 'Dnyanasetu' Project and guided the school children of Assam.

Rutuja Uttekar from F.Y.B.Sc. Blended is the part of the college team of Marathi one act play 'Bhag Dhanno Bhag' which has won the Third Prize in the Purushottam Karandak, a State Level, intercollegiate drama competition.

Placements:

- 1) Pradnya Kulkarni - AR Infra (Chemist)-
- 2) Pooja Dhaigude
- 3) Grishma Deshpande- Aavanira Biotech
- 4) Akash Kulkarni- Syngene, Bangalore
- 5) Roopa Nadkarni
- 6) Snehal Shingare-Veephro Ltd.
- 7) Dhiraj Jadhav- Aragen Life Sciences
- 8) Trupti Hirshetti-Aragen Life Sciences
- 9) Amol Varpe-Aragen Life Sciences
- 10) Tushar Mohite-Aragen Life Sciences
- 11) Hrishikesh Varpe-Aragen Life Sciences
- 12) Pramod Ghorpade-Aragen Life Sciences
- 13) Aishwarya Nehe-Aragen Life Science

Dr. Madhuri Kulkarni
HoD of Chemistry



Dr Andrew Drinnan, B.Sc.Coordinator from the University of Melbourne, Principal Dr Sanjay S Kharat, Vice-Principal Dr Ravindra Kshirsagar, Head of Chemistry Department Dr Madhuri Kulkarni, B.Sc.Blended Coordinator Dr Mukula Joshi with B.Sc.Blended students



Interaction of B Sc Blended students with Professor Dr B.S.M.Rao , Mentor of B.Sc.Blended program at IDSS in SPPU campus April 7,2022



Dr Andrew Drinnan, B.Sc.Coordinator from the University of Melbourne, Principal Dr Sanjay S Kharat, Vice-Principal Dr Ravindra Kshirsagar, Head of Chemistry Department Dr Madhuri Kulkarni, B.Sc.Blended Coordinator Dr Mukula Joshi with B.Sc.Blended students

DEPARTMENT OF ELECTRONICS

Curricular and co-curricular Activities:

Value added course on “Modeling and Simulation using MATLAB” of 3 credits was designed and implemented by Dr Mrinalini Bhadane. Total 110 students from BCA (Science) and Bsc (Computer Science) completed the course successfully.

Bridge courses were conducted for all the theory and practical courses, taught through the department.

2.Extension Activity:

Ewaste Collectin: According to extended MoU through the department , the 1120-Kg of E-waste from the college campus is collected, disposed and recycled in environmentally safe way in the month of October 2021 by Kuldeep Ewaste Mgmt. Company.

Staff achievements:

Publication:

1. Dr. Saroj Hole published Patent on “Cost effective Solar Panels with Photovoltaic cells coated with Nanoparticles. Patent no. 202221013684 A, Publication

Date :29/04/2022.

2. Dr. Saroj Hole published Patent on “Smart dielectric system to protect the humans working on Electric poles “ Patent no 202221012862 ,Publication Date: 09/03/2022.

Vaishali Salunkhe

HoD of Electronics



DEPARTMENT OF PHYSICS

I. Departmental Activities

- The Astronomy Club 'The Astrophiles' organized a National Level Quiz and Essay competition on occasion of National Science Day 28th February 2022. The response to these competitions was overwhelming. Students of different colleges from Chennai, Ahmedabad, Indore, Odisha, Uttar Pradesh, Kochi, Calicut along with students from different parts of Maharashtra participated in these competitions. Along with students, a few interested citizens also participated in the quiz. The registration for Quiz competition was nearly 230. 40 students participated in essay competition. Mrs. Chhaya Abnave coordinated this activity along with Dr. Varsha Joshi, Head Department of Physics, the coordinator of Astro club. Mr. Saurabh Singh of T.Y.B.Sc. (Physics) the student coordinator and Mr. Satish Kumar contributed in the smooth conduct of the competitions.

Result of Essay Competition-

First Prize- Pranali Khedkar, Fergusson College, Pune

Second Prize- Nayana Shyjan, Christ College, Pune and Rohini Karale, Modern College Ganeshkhind, Pune

Third Prize- Anvisha Thakur, Omkar Khapre and Gayatri Dharmadhikari, Modern College Ganeshkhind, Pune

- A student induction programme was arranged for first year students. They were given information of infrastructure and facilities available in the college, Library and sports facilities, examination, scholarships and cocurricular and extracurricular activities.

II. Staff Achievements:

Dr. Varsha Joshi-

- Awarded Ph.D. in Physics by Savitribai Phule Pune University. Topic of research was 'Studies on Synthesis and Characterization of Nano Material Coating for Musical Instruments' under the guidance of Dr. Sharmila Chaudhari, Principal, Anantrao Pawar College, Pirangut, Pune at the research centre in Physics, B. R. Ghoalp College, Sangvi Pune.
- An Indian patent was published entitled "A method for making Nano Ink for coating Indian Percussion Instruments".
- Participated in an online national conference on "Advance Materials, Technology, Applications and Education" organized by Department of Physics, Balasaheb Jadhav College of Arts, Commerce and Science, Ale, Tal. Junnar on 16th October 2021.
- Participated in a two day online workshop on

'Restructuring Syllabus of T.Y.B.Sc. (Physics) (CBCS) Pattern, organized by Board of Studies in Physics, SPPU in collaboration with PEDAs Annasaheb Magar College, Hadapsar on 4th and 5th June 2021.

- Participated in a one day international webinar on "Nano materials for Energy generation and Smart Storage" organized by Department of Physics and IQAC, Miraj Mahavidyalaya, Miraj on 24th June 2021.
- Participated in an online national webinar on "Career Opportunities in Physics" organized by Department of Physics and IQAC, New Arts, Commerce and Science College, Parner on 29th January 2022.

Mr. Mahendra Waghmare

- Participated in a two day online workshop on 'Restructuring Syllabus of T.Y.B.Sc. (Physics) (CBCS) Pattern, organized by Board of Studies in Physics, SPPU in collaboration with PEDAs Annasaheb Magar College, Hadapsar on 4th and 5th June 2021
- Attended Online Workshop - New Revised syllabus for T.Y.B.Sc physics, SSPU, Pune at Ramkrishna More Arts, Commerce and Science College, Akurdi, Pune on 9th September 2021.

Dr. Pratibha Rao

- Invited as a Resource Person on 7th September 2021 in "Summer Internship Program in Nanotechnology, Level-1" Organized by MES Abasaheb Garware College, Karve Road, Pune - 411004

Mrs. Chhaya Abnave

- Participated in Career Katta, jointly organized by Department of Higher and Technical Education, Government of Maharashtra and Maharashtra Information Technology Support Centre on 19th April 2022 at Modern College of Arts, Science and Commerce, Ganskhind, Pune.
- Attended Online Workshop - New Revised syllabus for T.Y.B.Sc physics, SSPU, Pune at Ramkrishna More Arts, Commerce and Science College, Akurdi, Pune on 9th September 2021.

III. Student Achievements:

- Mr. Siddhant Nagimukh of T.Y.B.Sc. (Physics), NCC Cadet attended Republic Day Parade at New Delhi on 26th January, 2022
- Mr. Pranay Sapkal of T.Y.B.Sc. (Physics) passed Wireman certification Examination conducted by Government of Maharashtra
- Mr. Rohit Jadhav and Mr. Chaitanya Jaybhaye of T.Y.B.Sc. (Physics) participated in Versatalia, National Level Project Competition organized by

PVG's College of Engineering, Pune on 30th April 2022.

4. Mr. Shlok Pillai and Mr. Abhishek Sharma of T.Y.B.Sc. (Physics) completed internship at Society for space Education Research and Development from 10th January to 21st February 2022.
5. Mr. Abhishek Sharma attended Introductory Summer School in Astronomy and Astrophysics (ISSAA) from 16th May–17th June 2022 organized by IUCAA.
6. Mr. Shlok Pillay of T.Y.B.Sc. (Physics) attended Workshop on Python with Space Applications on 5th and 6th December 2021 organized by Spaceonova and Fergusson College, Pune.
7. Mr. Shlok Pillay completed B1 Certification examination of Max Muller Bhavan from Goethe Institute in 11th August 2021.
8. Mr. Abhishek Sharma completed certificate course in Computer Hardware from Success Institute of Technology from 5th to 17th July 2021.
9. Mr. Abhishek Sharma completed a short term course titled 'Basic course in Astronomy- Introduction to Stars' conducted by breakthrough Science Society in association with Astronomical Society of India in December 2021.
10. Mr. Saurabh Singh of T.Y.B.Sc. (Physics) actively participated in different projects, internships, summer and winter training programmes, workshops and conferences all related to astronomy.

Projects:

- a) Completed project under Citizen Science Radio Astronomy (CSRA) in May 2022. CSRA is a great initiative by National Center for Radio Astrophysics (NCRA) and Center for Citizen Science (CCS).
- b) Completed project on Study of transit method and plotting data of TESS in Jan 2022 by collecting and analysing the data of Transiting Exoplanet Survey Satellite (TESS) from NASA's exoplanet archive.
- c) Completed International Asteroid Search Campaign (IASC): It is a citizen science program that provides high-quality astronomical data to citizen scientists around the world to make original astronomical discoveries. Saurabh with his team discovered 2 preliminary asteroids during 1st–26th Nov 2021.

Internships:

- a) Completed internship at Instituto de Astrofísica e Ciências do Espaço (IA) in July 2022 on The Cosmic Microwave Background Radiation (CMBR) under the supervision of Dr. Noemi Frusciante, Postdoc, IA/FCUL, Lisbon
- b) Completed internship at Society for Space Education Research and Development (SSERD) on Effect of the proper motion on the shapes of constellations from 10 Jan – 21 Feb 2022 under the supervision of Mr. Sundar M.N, DST INSPIRE Fellow, Jain University

Summer and Winter Program/School:

- a) Introductory Summer School in Astronomy and Astrophysics (ISSAA) from 16th May–17th June 2022 organized by IUCAA.
- b) Summer Particle Astrophysics Program from 3rd to 12th May 2022.
- c) International Astronomical Union (IAU) WIA third Training Program from 11th to 15th April 2022.
- d) Research Review Program (RRP) during February – March 2022.
- e) X-Ray Astronomy School from 7th to 10th March 2022.
- f) SOKENDAI Asian Winter School from 2nd to 4th February 2022.

Workshops:

- a) The HR Diagram with Remote Telescopes at Las Cumbres Observatory (LCO) from 2nd and 3rd Oct 2021.
- b) Online workshop on High Performance Computing (HPC) for Astrophysics by NCRA-TIFR and IIT Kharagpur from 20th to 23th September 2021.
- c) Zero Shadow Day Workshop by Inter University Centre for Astronomy and Astrophysics (IUCAA) from 13th May 2021.
- d) One Day RAD at home Astronomy Workshop (ODRAW) from 11th Apr 2021.
- e) One day online conference on Emerging Trends in High Energy Astrophysics organized by Department of Applied Sciences, Tezpur University in collaboration with Indian Association of Physics Teachers (IAPT) Rc-17 on 16th March 2022.

Conferences:

1. Emerging Trends in High Energy Astrophysics by Tezpur University in collaboration with the IAPT on 16th March 2022.
2. International Space University (ISU) Adelaide Conference on Space Junk and Overcrowding of the Skies from 4th and 5th Feb 2022.
3. The European Physical Society Conference on High Energy Physics (EPS-HEP). from 26th –30th Jul 2021.
4. International Astronomical Union (IAU) Communicating Astronomy with Public Conference (CAP) from 24th to 27th May 2022.

Mrs. Varsha Joshi,

Head, Department of Physics

DEPARTMENT OF MICROBIOLOGY

The department of Microbiology believes in establishing a culture of excellence in academics and research. It provides maximum exposure to the students and staff members by means of organizing guest lectures, educational visits, workshops, seminars, symposia, encouraging participation in research projects, science exhibition and competitions for developing the students in every aspect. As a result our alumni are well placed in national and international research institutes, laboratories and industries.

Microbiology department organized the following activities for UG and PG students:

1. Science popularization lecture series 'SciReach' under DBT-CTEP Science popularization program on 25th September 2021 where the resource persons were Dr. R. L. Deopurkar, Emeritus Professor, Department of Microbiology, SPPU; Dr. Smita Zinjarde; Head Department of Biotechnology, SPPU and Dr. Neelima Kulkarni. It was coordinated by Mrs. Sneha Ogale. A total of 229 School, Junior college and undergraduate students were oriented towards the field of science especially biotechnology, scientific research and importance of mathematics in constructive studies. Students got an opportunity to interact with Scientists of international repute and got an insight of research. Students understood the importance of basics and logical thinking in research.
2. Extra credit course (1 credit: 10 hours) on: Soil Dynamics: Physicochemical and Microbial conducted for S. Y. BSc. Microbiology students between 4 th January to 13 th January 2022. 104 students registered and 64 students completed the course. The students earned extra credits under group 9 as per SPPU syllabus.
3. Extra credit course (3 credits: 30 hours) on: Analytical Microbiology conducted for T. Y. B. Sc. Microbiology students between 21st March to 26th march 2022. 129 students registered and completed the course. The students earned extra credits under group 6 as per SPPU syllabus.
4. A workshop on 'Microbial Biotechnology' under the DBT- Builder scheme was conducted for PG and research students between 5th to 7th May 2022. Total 29 students including 2 Ph. D. students from Ramkrishna More College, 26 MSc Microbiology, Biotechnology and Zoology students from Modern College Ganeshkhind participated in the workshop. The students got hands-on training in isolation, identification and antibiotic profiling of bacteria.
5. A project and poster exhibition 'Science Adda' was conducted on 5.01.22. for popularization of science

among school and junior college students. Students from various schools and junior colleges were exposed to applications of Microbiology through posters and projects presented at this DBT-STAR scheme sponsored activity

Sr. No.	Name of Student	Name of Institute/ Industry
1	Kadam Saurabh	Allscripts Healthcare India, Pune
2	Pragati Pawar	Augustus Healthcare India LLP
3	Arati Rajendra Sutar	Haldirams Foods International Private Limited Nagpur (Hadapsar Pune)
4	Pooja Darekar	Micron HVAC Pvt. Ltd
5	Vaibhav Shelke	NARI
6	Akshay Sanjay Mane	Serum Institute of India Pvt. Ltd, Manjari
7	Pawandeo Baradkar	Serum Institute of India Pvt. Ltd, Manjari
8	Shovik Mal	Serum Institute of India Pvt. Ltd, Manjari
9	Sumedh Kamble	Wackhardt, Aurangabad

6. The Department organized a Campus Placement Drive for Pratap TexChem Pvt. Ltd. A total of twenty one students from the Department of Microbiology, Biotechnology and Chemistry were benefited by the activity.

7. Placement of students through departmental placement cell:

8. Alumni Interactions:

- a. Mr. Mihir Thatte, Vaintey Chem Products Limited conducted lectures for the extra credit course (1 credit: 10 hours) on : Soil Dynamics: Physicochemical and Microbial, in Feb. 2021.
- b. Mrs. Pranitha Pandit, Ph.D student, Agharkar Research Institute, Pune conducted lectures for the extra credit course (1 credit: 10 hours) on: Soil Dynamics: Physicochemical and Microbial, in Feb. 2021.

Participation of staff members:

1. Courses done by staff members:

Mr. Prasad Deshmane, Dr. Ashwini Kulkarni, Dr. Gauri Phadke completed a two- weeks online refresher

course on "Research Methodology" organized by Ramanujan College, University of Delhi, 20th February to 6th March, 2022

2. Workshops or Online webinars attended:

- All staff members participated in half day workshop on "Revised guidelines for NAAC Accreditation" organized by Modern Law College, Ganeshkhind at PES Auditorium, Shivajinagar, Pune-5, on 5th March, 2022
- Dr Ashwini Kulkarni participated in webinar on "Introduction to Nanoscience and Nanotechnology" organized by SWIS College, Wadala, Mumbai held between 9th to 11th December, 2021
- Mentor-mentee meetings were conducted by all mentors.

"DBT CTEP Science Popularization Program- SciReach" Number of beneficiaries (229)

Glimpses of SciReach Report: - Department of Microbiology organized Science popularization lecture series. School, Junior college and undergraduate students were oriented toward field of science especially biotechnology, scientific research and importance mathematics in constructive studies. Students got opportunity to interact with Scientists of international repute and had an insight to research. Students understood importance of basics and logical thinking in research. 1. How Microorganisms interact with metals by Prof. Smita Zinzarde 2. Microbes - a Boon to Human Life by Dr. Neelima Kulkarni 3. जीवशास्त्रज्ञांसाठी गणित by Prof. R. L. Deopurk

Staff Achievements:

1. Dr. Neelima Kulkarni-

Co-authored 2 textbooks for TY BSc Microbiology published by Nirali Prakashan Pune: 1. Agricultural Microbiology (ISBN 978-93-5451-166-0) Food Microbiology (ISBN 978-93-5451-683-2)

Coordinator and resource person for Microbial Biotechnology workshop.

Resource person for Science popularization lecture series 'SciReach', extra credit courses on Soil dynamics and Analytical Microbiology.

Guided students for posters presented at DBT sanctioned 'Science Adda' program for science popularization, conducted on 5.01.22

2. Mrs. Sneha Ogale:

- Coordinator for the Science popularization lecture series 'SciReach', sponsored by DBT under DBT-CTEP Science popularization program, conducted on 25th September 2021
- Resource Person for conducting a session at the teacher training program organized by PKC (Pune

Knowledge Cluster) collaboration with DIET (District Institute of Education Training).

c. Resource person for the Extra credit courses:

- Soil Dynamics: Physicochemical and Microbial conducted for S. Y. B. Sc. Microbiology students.
 - Analytical Microbiology conducted for T. Y. B. Sc. Microbiology students.
- Resource person for workshop on 'Microbial Biotechnology' conducted for PG and research students, under the DBT- Builder scheme.
 - Guided students for projects presented at DBT sanctioned 'Science Adda' program for science popularization, conducted on 5.01.22

3. Anupama Sonawane

Resource person for extra credit courses on Soil dynamics and Analytical Microbiology.

4. Prasad Deshmane

Completed 4-Week Induction/Orientation Programme for "Faculty in Universities/ Colleges/ Institutes of Higher Education" organized by Teaching Learning Centre, Ramanujan College University of Delhi under the aegis of Ministry Of Education Pandit Madan Mohan Malaviya National Mission On Teachers And Teaching

Resource person for extra credit courses on Soil dynamics and Analytical Microbiology and workshop on 'Microbial Biotechnology' conducted for PG and research students, under the DBT- Builder scheme.

5. Dr. Gauri Phadke:

- Resource Person for Compulsory Credit Short Term Course on "Analytical Microbiology" conducted for T. Y. B. Sc. Microbiology students. Topic: Statistical analysis of data.
- Resource person for DBT- builder workshop on Microbial Biotechnology organized by the department of microbiology. Lecture and Practical on the topic: 'Isolation and identification of bacteria'

6. Dr. Ashwini Kulkarni

- Secured First position in National Level article writing competition organized by Microbiologists Society of India
- Worked as judge for poetry reading competition held under Yuva Saptah 2021-22
- Completed online remote training on Awareness of Biosecurity, organized by CRDF Global, held between 5th to 10th May, 2022

7. Mrs. Komal Pareek

- Resource person for DBT- builder workshop on Microbial Biotechnology organized by the department of microbiology.

b. Departmental coordinator for vlab IIT workshops.

8. Ms. Vaishnavi Kudale

a. Worked as a Judge for poster presentation competition in an International Conference 'Microbiology: From the past to the present' organized by Haribhai V. Desai College, Pune.

b. Departmental coordinator for extra credit course 'Democracy'.

9. Ms. Gauri Tungikar

Co-ordinator for extra credit course on "Soil Dynamics: Physicochemical and Microbial" conducted for S. Y. BSc. Microbiology.

10. Ms. Sanchita S. Gramopadhye

Guided students for projects presented at DBT sanctioned "Science Adda" program for science popularization, conducted on 5/01/22

Course Co-ordinator for Compulsory Credit Short Term Course on "Analytical Microbiology" conducted for T. Y. B. Sc. Microbiology students.

Resource Person for Compulsory Credit Short Term Course on "Analytical Microbiology" conducted for T. Y. B. Sc. Microbiology students.

Resource person for "Mentoring for M. Sc. entrance exams in Life Sciences and future prospects" organized by Department of Microbiology, Willingdon College, Sangli, Maharashtra.

Students Achievements:

a. Students Jwalanthi Sundaram (MSc. 1), Gayatri Dusane (MSc. 1), Dipnwita Bhunia (T.Y.B.Sc) and Shreeraj Lanke (S. Y. BSc.) participated as a group in Inter-Collegiate Science day quiz organized by Microbiology department SPPU on 28th February 2022 and won second prize.

b. Mr. Adarsh Satish Palaskar has successfully completed the "Online Internship for the Postgraduate Students" with IIT Indore Faculty Mentor Dr. Hem Chandra Jha, Department of Biosciences and Biomedical Engineering, from September 02, 2021 to October 2, 2021.

c. Ms. Bhagyashri Chavan completed internship 'Advanced materials and Innovations in Pharmaceutical Sciences' during 3/08/21 to 25/09/2021 in Actorius Innovations and Research Pvt. Ltd. Pune.

d. UG and PG students successfully completed SWAYAM/NPTEL courses.

e. Ms. Rucha Joshi is selected for MS Programme in 'Pharmaceutical Sciences' at Wayne State University, Michigan, USA

f. Ms. Nandinee Suryawanshi is selected for MS programme in 'Bioinformatics' at The Northeastern University, Boston, USA

Dr. Neelima Kulkarni

HoD of Microbiology



Student Participation in "Science Adda"



Glimpses of SciReach

DEPARTMENT OF MATHEMATICS

Staff Achievement:

- 1) Our faculty member Ms. Rupali Patangare has qualified GATE examination in February 2022.
- 2) Our faculty member Ms. Ashwini Kawad has qualified GATE examination in February 2022.

Departmental Activities:

- 1) Power Point Presentation competition was organized by department of Mathematics on 22nd December 2021 on the occasion of National Mathematics day. Mrs. Swati Kandharkar and Mrs. Shamal Deshmukh Judged the event . Ms. Ragini Wadkar Coordinated the event. Total 23 students participated in this competition. The topic was “Fun with Mathematics”. The winners are

Sr. No.	Name of the student	Class	Topic	Rank
1	Ms. Vaishali Dhore	T.Y.B.Sc. (Mathematics)	Fun with Mathematics	1
2	a) Mr. Shivansh Supekar b) Mr. Akash Kadnor	T.Y.B.Sc. (Mathematics)	Fun with Mathematics	2
3	Ms. Radha Mograre	M.Sc. Part-I (Mathematics)	Poem	3
4	Mr. Saurabh Dhaware	M.Sc. Part-I (Mathematics)	Joke	Consolation

- 2) A short term certificate course of “Vedic Mathematics” was conducted online from 17th January 2022 to 2nd February 2022 for all faculty students. Mrs. Jyoti Kajale was the resource person of the course. Total 237 no. of students are the beneficiaries of this course.
- 3) Credit course on “Use of MS- Excel, R and Sage Math Software for Data Analysis” was organized for T.Y.B.Sc. Mathematics and Statistics students from 13th January 2022 to 25th February 2022.

- 4) Guest Lecture on “How to write Research Paper in Mathematics” was organized for T.Y.B.Sc. (Mathematics) , M.Sc. Part-I and II students on 13th May 2022. The resource person was Dr. Sangita Chaudhari.
- 5) Guest Lecture by Dr. Sangita Chaudhari on “Women Health and Hygiene” organized for girl students on 13th May 2022.
- 6) Discussion session was arranged on “Career building in DATA SCIENCE ” for M. Sc. Mathematics students by Ms. Falguni Khadayate (MSc. Part II, Mathematics Student) on 11th June 2022. She is presently working in Cognizant solutions, Pune as QEA.
- 7) Department of Mathematics organized a certificate Course on “Test your Quantitate Aptitude ” in association with Future Banker's Forum , Faculty of Commerce for commerce students those are preparing for Banking Examination. The course was conducted from 18th April 2022 till 21st June 2022. Total 32 students have completed this certificate course successfully. Varsha Patil Madam has coordinated this course.

Staff Activities:

- 1) All faculty members of the department Mrs. Pratibha Pawar attended one day Workshop on Revised Guidelines for NAAC Accreditation: A quality initiative Programme by IQAC , Modern Law College on 5th march 2022.
 - 2) Mrs. Pratibha Pawar has attended Two days on line FDP on Artificial Intelligence and data Science.
- National Mathematics Day : Power Point Presentation Competition

Swati Kandharkar
HoD of Mathematics



STATISTICS

1. From the year 2021-22 Masters' Program in Statistics is started in Department of Statistics. 24+2 students took the admission for the course. 195 students filled the examination form and 156 appeared for the online entrance examination.

2. A credit course named as "Use of Ms Excel, R and SageMath Software for Data Analysis" was jointly organized by Department Of Statistics and Department of Mathematics during 13th January 2022 to 25th February 2022. This course is totally of 6 credits and is mainly designed for students of T.Y.B.Sc. Of Statistics and Mathematics departments. It was divided into 3 modules as:

Module 1 : Microsoft-Excel: From Beginners to Advanced (Credits-2)

Module 2 : Learning Statistics using R software (Credits-2)

Module 3 : Computational Mathematics with SageMath (Credits-2)

No. of students attended the course (module wise):

Module 1 – 62 Module 2 :- 56 Module 3 :- 54

This course was taught in on-line mode by the in-house faculties of department of B.C.A., Mathematics and Statistics departments. The names of resource persons are:

Module 1	Module 2	Module 3
Miss. Rutuja Mokashi (B.C.A. Department)	Mrs. R.M. Umarani Mrs. Sonia Joshi Miss. Aditi Mulay Miss. Sarika Dangi Miss. Ankita Shah Miss. Sandhya Latpate (Statistics Department)	Mrs. Shamal Deshmukh Mrs. Jayshree Jain Mrs. Pratibha Pawar Miss. Ragini Wadkar Miss. Rupali Patangare Miss. Varsha Patil Miss. Priya Shirsath (Mathematics Department)

The course coordinators, Mrs. Sonia Joshi (Statistics Department) and Mrs. Jayshree Jain (Mathematics Department) have effectively organized the course under the able guidance of head of both the departments.

All the participants were highly benefitted by this course. They attended the sessions enthusiastically and responded very well with the resource persons.

3. Department of Statistics, Modern College,

Ganeshkhind , conducted "Sir R.A. Fisher's Birth Anniversary" departmental activity on 26th March, 2022 in A.V.Hall at 12:00noon.

Students of T.Y.B.Sc.(Statistics) and M.Sc Part-I (Statistics) were actively participated in this activity. Total 34 students were present.

Following events were organized by students:

1. Presentation competition for M.Sc. I and T.Y. B.Sc. students. Topic was "Use of Statistics in our daily life".

2. Puzzle competition- For M.Sc.Part -1 students

3. Quiz Competition- For T.Y.B.Sc. students

4. "Kaun Banega movie ka teacher" – For Teachers

5. Prize distribution for winners.

4. Department Of Statistics, Computer Science and Mathematics, P.E.Society's Modern College of Arts, Science and Commerce, Ganeshkhind, Pune-16, jointly organized two day workshop on "Soft skill workshop" on 28th and 29th December, 2021. Students from various departments attended this workshop. Total no. of student's (Statistics) attended the workshop is 16.

The presence of distinguished personalities such as Mr. Milind Tilak (Senior Director- Operations, Large IT Services, Pune), Prof. Dr. Sanjay Kharat (Principal- Modern College, Ganeshkhind, Pune-16), Prof. Swati Kandharkar (Vice Principal- Modern College, Ganeshkhind, Pune-16), Dr. Prakash Dixit (Visitor, Modern College, Ganeshkhind, Pune-16), Prof. Rajashree Umarani (Head of Department, Statistics) Prof. Dr. Shubhangi Bhatembrekar (Head of Department, Computer Science), Dr. Satish Ambike (Coordinator, Soft skill workshop) graced the inaugural function of the workshop.), Dr. Prakash Dixit felicitated Chief Guest Mr. Milind Tilak. Mrs Meenal Jabade gave introduction about the guest. Dr. Atul Patil (Director- MIT College, Pune) was the resource person for first session of the workshop. He gave talk on "Interpersonal skills". He used power point slides to discuss his views with students. Ms. Kavita Walawalkar (Dnyanprobodhini), conducted the second session of the workshop.

. He also guided students about body language. It was an interactive session. They enjoyed and responded very well with the resource person.

Ms. Amruta Kulkarni conducted the third session of the workshop. She gave talk on "Interview techniques and Resume Writing" Students were highly benefitted by this session.

Mr. Sunil Patil (Corporate Trainer, Sales, Marketing

and Management) conducted the fourth session of the workshop. He gave talk on “Group discussion”. It was an interactive session.

These four sessions were conducted on 28th December, 2021.

On 29th December, First session was conducted by Ms Neha Ratnakar on “Mock Interview” .In this session students actively participated and took mock interviews of other students. It was an interactive session.

Mr. Rahul Joshi gave talk on “Goal Setting and Communication skill”. Speaker was communicating with students about their Goals and motivated them to achieve it.

Dr Harish Patankar gave talk on “Health Care”. He spoke about happy hormone secretion, Positive attitude, Immunity and stress level. Students and faculty fro different departments enjoyed and responded very well with the resource person.

Last session of the workshop was conducted by Mr. Rajiv Tulpule on “Creativity”. He discussed about exploring Ideas, creative minds, finding innovation with enthusiastic attitude.

For smooth conduction of this event the following committees were formed Stage committee, Refreshment committee and Registration committee .All faculties from departments from respective committees done their job very well. Photos clicked by volunteers.

Mrs. Sonia Joshi proposed Vote of Thanks and declared the end of this successful event.

5. Department of Statistics, Modern college, Ganeshkhind , conducted an “Group Discussion” activity on 29th March, 2022.

Students of T.Y.B.Sc.(Statistics) were participated in this activity. Total 29 students were actively participated and shared their views on below topics.

Topics for discussion:

1. Dimensions of Democracy
2. Decentralization: Pre and Post Independence era
3. Comparison between Parliamentary and Presidential democracy.

Time duration for each group: 20 minutes.

6. Science Adda (Activity under DBT) activity was conducted for Science Popularization on 5th January, 2022.

Theme: Learn Statistics through Games

1. Spin the wheel-Don't miss out
2. Two dice-No worries
3. Playing with cards
4. Spin the wheel-Try your luck
5. Flip the coin and be the Winner.

Objectives: i. To inculcate scientific temperament amongst the students.

ii. To enrich students' knowledge about the Statistics.

iii. Enhancing the subject knowledge of student's trough games by giving practical approach to the theoretical concepts.

iv. Understanding science by doing & viewing.

Presentations:

1. Posters and Charts
2. PowerPoint Presentation

Teacher In charge: Ms. Ankita Shah Laboratory In

Charge: Mrs. Sonia Joshi

Student representatives: T.Y. B.Sc. (Statistics) – Games and Models.

M.Sc.- I (Statistics) – Posters, Charts and Presentation.

Prof Rajashree Umarani
HoD of Statistics

Science Adda Date:05/01/2022



Sir R.A Fisher Birth Anniversary Activity Date: 26th March 2022



DEPARTMENT OF ZOOLOGY

1. SCIENCE ADDA (Celebrating Azadi ka Amrut Mahotsav under DBT- STAR College Scheme)- An exhibition cum hands on workshop was arranged in Zoology Department of for Science adda Under DBT STAR Scheme for School Children with the main objective to popularize science among school going children. UG as well as PG Students participated in this programme as Volunteers. Museum Specimens, Laboratory equipments, Entomology display specimens and some experiments were displayed to fascinate students about Zoology. Our student volunteers exchanged their views and information to students and solved all their queries with enthusiasm. School students found the set up of exhibition really interesting and were curious to know all about it. Students were inquisitive about Working of laboratory instruments which led to lots of amazing questions answered skillfully by volunteers. Science teachers of schools were amused by QR codes on displayed Specimens.

Date: 05/01/2022 No. of beneficiaries- 180

2. LECTURE ON BEE CONSERVATION

A lecture was conducted by the Department For Bee conservation Under DBT STAR Scheme for UG and PG students. Mr Devendra Jani who is TEDx speaker was invited to grace this seminar. Our students got an idea about different types of bees its morphology and specialities. Conservation of Bees and its importance was discussed in quite a detail. Our students exchanged their views and information with speaker and he solved all their queries with enthusiasm. This seminar proved to be a great practice for Students as well as Faculty members.

Date: 08th January, 2022 No of Beneficiaries - 93

3. CONSERVE MOTHER EARTH

Conserve mother earth is an initiative for wildlife conservation undertaken by the Department of Zoology under DBT Star College Scheme every year. This year it was conducted through online platform. The main objectives and theme of this event is to create an awareness about mother earth and its wildlife, to sensitise the school going children and convey the importance of biodiversity.

School students of schools including Holy Spirit Convent school, Modern High School, Saraswati School, Abhinav School, DES New English School etc. participated in this activity.

Duration: 21st January – 31st January 2022.

No. of beneficiaries: More than 600 school children.

4. ZOOLOGICA

Online Zoologica activity (under DBT Star College scheme)

The Department conducted an online student centric activity called Zoologica, during which various competitions like photography, essay, e-poster competition and quiz were conducted. Online platform: google meet and submissions on e-mail

Theme: Ecology and Evolution

Duration: 20th- 22nd January, 2022

No. of beneficiaries: 128

Names of judges: Mr. Ashish Umap, Dr. Nirbhay Pimple, Dr. S. G. Deshpande, Prof. R. V. Shinde

5. Case study on Nipah Virus in VOHUN One health biorisk management case based discussions-

Students of UG and PG Presented a “Case Study on Nipah (NiV) virus with Indian Perspective” on an International platform representing India amongst representatives of VOHUN and Southeast Asia One health university network and Expert Panel of 20 Different Countries including USA, Vietnam, China, Malaysia etc on 23rd February, 2022. It was a great opportunity for the students. Our Presentation was well appreciated by all the representatives present and also by Dr Richa Sood from ICAR and Dr Subhash Bhore from Malaysia.

6. Guest lecture series -Online Guest lecture Series was organized under DBT -STAR College Scheme for UG and PG students. Eminent personalities such as Dr. Kalpana Pai, Mr. Digambar Jagtap, Dr. Adhikrao D. Jadhav, Dr. Santosh Podder, Dr. Ramnath Andhale, Dr. Aparna Kalawate were the invited speakers. Our students got an idea about how animals move in their environment, how they interact socially, how they learn about their environment, aim and importance of innovation in life sciences, cultivation of silkworms to produce silk, how advances in microscopy changed our definition of life, recent discoveries and trends in zoology, importance and future opportunities in entomology. Role of modern technologies in conservation of animals was discussed in quite a detail. Our students exchanged their views and information with speaker and they solved all their queries with enthusiasm.

Duration: 13th-15th January, 2022

No of Beneficiaries - 105

7. Extra credit course on Fundamentals of

Scientific photography- An online Extra credit Certificate course on Fundamentals of Scientific photography' was organized for students of S.Y.B.Sc. And T.Y.B.Sc. The Course was of 10 hrs. Duration (1 Credit) and Covered wide range of topics including from Introduction to Scientific Photography to Application of Scientific Photography for public domain. The lectures were delivered by experienced Personalities from the field on google meet platform. At the end of course online exam was conducted to assess the course outcome and certificates were provided to students on successful completion of course.

Duration: 15th-19th January, 2022

No. of beneficiaries: 117

8. Extra credit course on Recent trends in Life science Research- An online Extra credit Certificate course on Recent trends in Life science Research was organized for students of T.Y.B.Sc. The Course was of 40 hrs. Duration (4 Credits) and Covered wide range of modules including Molecular Taxonomy and Bioinformatics, Animal Tissue Culture and Introduction to Biostatistics, Blotting techniques and Toxicology, Advanced Biostatistics with R software. The lectures were delivered by experienced Personalities from the field on google meet platform. At the end of course online exam was conducted to assess the course outcome and certificates were provided to students on successful completion of course.

Duration: February, 2022

No. of beneficiaries: 35

9. Memorandum of Understanding:

The Department already had MoU's with Ashwamedh Pvt. Ltd. Which was renewed and from the year 2021, the **Department has 4 functional MoU's with Ashwamedh Pvt. Ltd, Central Sericulture Board, Bee Basket and Vaidika group.** In addition to that the Department signed West coast Aquaculture, Vaidika Pvt. Ltd, Modern College of Pharmacy, Modern College of Agricultural Biotechnology, Global Society for Basic and Applied Sciences, Mumbai.

STAFF ACHIEVEMENTS:

1. Dr. Sanjay Kharat:

Achievements:

- Senate Member, Savitribai Phule Pune University
- Member, Board of studies, Interdisciplinary skill development, Savitribai Phule Pune University
- Member, Academic Council of JSPM's Rajarshi Shahu College of Engineering, Pune
- Member, Academic Council, Yashwantrao Chavan Institute of Science, Satara

- Vice- Chancellor's Nominee, Board of Studies in Zoology, Modern College Shivajinagar (Autonomous)
 - Received special grant of Rs. 40 lakhs to establish disease diagnostic and quality testing laboratory for aquatic animals under Pradhan Mantri Matsya Sampada Yojana, Govt. of India, Ministry of Fisheries, Animal Husbandry & Dairying, Dept. of Fisheries and Govt. of Maharashtra
- Publications:**
- Comparative osteology of the anal fin skeleton of Cyprinidae fish from Northern western Ghats, Raut Rupesh, Kharat Sanjay (2021), International Journal of Zoological investigations Vol7, 10-15, <https://doi.org/10.33745/ijzi.2021.v07i02s.002>
 - Microplastic associated pathogens and antimicrobial resistance in environment, Dr. Sanjay kharat, Chemosphere, 2021, ISSN: 0045-6535

2. Dr. Shakera A. Inamdar :

Awards:

1. Dr. Sarvepalli Radhakrishnan Best Teacher Award - 2021
2. GLOBAL TEACHER AWARD 2021 GLOBAL TEACHER AWARD SHOW on The 2nd Day of GLOBAL TEACHER CONCLAVE, On 10th October 2021

Achievements

1. Online One Week Faculty Development Programme On "Advanced Pedagogical Techniques" From 13 - 19 September, 2021 And Obtained, Teaching Learning Centre, Ramanujan College University Of Delhi Under The Aegis of Ministry Of Education Pandit Madan Mohan Malaviya National Mission On Teachers And Teaching In Collaboration With Lakhimpur Girls' College Khelmati, North Lakhimpur, Assam.
2. Online Two - Week Refresher Course In "ZOOLOGY" From 15 - 29 December, 2021, Teaching Learning Centre, Ramanujan College University Of Delhi In Collaboration With Department Of Zoology, PSGR Krishnammal College For Women, Coimbatore, Tamil Nadu.
3. Online Two - Week Interdisciplinary REFRESHER COURSE On "Advanced Research Methodology" From 22 March - 05 April, 2022, Teaching Learning Centre, Ramanujan College University Of Delhi Under The Aegis of Ministry Of Education Pandit Madan Mohan Malaviya National Mission On Teachers And Teaching

4. Publications:

1. Sub-chronic effect of organophosphate and Pyrethroids on *Apis cerana indica* L. Bioinfolet Journal of Life Sciences. UGC CARE LIST JOURNAL

ISSN NO.0973-1431.Vol.(19) 1.pp82, 2022.

2. Butterfly diversity of Paparnagar, district Solapur (MS). Bioinfolet Journal of Life Sciences. UGC CARE LIST JOURNAL ISSN NO. 0973-1431. Volume : 18, Issue: 3. PP 323- 325, 2021.

3. Diversity of odonates at Lohegaon, Pune, (MS), Bioinfolet Journal of Life Sciences. UGC CARE LIST JOURNAL ISSN NO. 0973-1431. 18, Issue: 3. PP 329-333, 2021.

4. Study On Efficacy Of Cypermethrin On The Biological Parameters Of Callosobuchus chinensis L. IJCRT ,Volume 8, Issue 8 August 2020(ISSN: 2320-2882.)

5. Influence Of Fipronil On The Biological Parameters Of ... Callosobuchus Chinensis Was Exposed to Sub-Lethal Doses Of Fipronil. Bioinfolet Journal of Life Sciences. UGC CARE LIST JOURNAL ISSN NO. 0973-1431. Volume : 18, Issue : 4. PP 508- 509, 2021

6. Participated in Global Conference on 22 Feb 2022 organized by Vohuan Case study on Nipah Virus. 23rd Feb. 2022

3. Dr. Ravindra Kshirsagar :

- 1) Appointed as Vice Principal Examination
 - 2) Appointed as College Exam officer
 - 3) Appointed as Academic Research Coordinator
- Papers Published in UGC CARE LIST JOURNAL

1) Kshirsagar Ravindra (2022): Length -weight relationship on *Ompak pabda* (Hamilton 1822) and *ompak bimaculatus* (Bloch 1794) from Bhima River Maharashtra Bioinfolet Journal of Life Sciences. UGC CARE LIST JOURNAL ISSN NO. 0973-1431. Vol.(19) 1.pp77.

2) Kshirsagar Ravindra (2022) : subchronic effect of organophosphates and pyrethroids on *Apis cerana indica* L. Bioinfolet Journal of Life Sciences. UGC CARE LIST JOURNAL ISSN NO. 0973-1431. Vol. (19) 1.pp82.

Others:

- 1) Appointed as Vice chancellor Nominee subject expert by Mumbai University for Autonomous College CK Thakur College Panvel.
- 2) Patent: File NO.202021056815: Novel herbal formulation for prevention and treatment of bovine mastitis and process of its manufacturing.
- 3) Participated in Global Conference on 22 Feb 2022 organized by Vohuan Case study on Nipah Virus.

4. Ms. Manisha S. Mategaonkar

- Departmental Data Validation and Verification Officer
- Department Virtual Labs Coordinator, IIT Mumbai
- Member, Board of Studies in Zoology of

Autonomous college, Progressive education society's Modern College Arts, Science & Commerce Ganeshkhind Pune 16.

- Member, Criterion VII –Institutional values and Best practices
- Departmental Co-ordinator, DBT
- Working as committee member, M.Sc admission.
- Mentor for M.Sc- I students
- Departmental coordinator, Dead stock committee
- Departmental Coordinator, DBT-Science ADDA

Achievements:

1. Attended a National Conference on Animal Diversity: A Conservational Approach (ADCA-2021) and participated in the deliberations from 10th & 11th August, 2021 Organized by: Department of Zoology C. E. Society's B.P.Arts, S.M.A. Science & K.K.C. Commerce College, Chalisgaon, Dist. Jalgaon (M.S.)

2. Attended a National Conference on Biodiversity conservation: strategies for better tomorrow (NCBCSFBT) on 8th and 9th September, 2021 Organized by: Department of Zoology and IQAC, D.P.Mahavidyalaya, Karjat, Ahmednagar (MS)

3. Successfully completed one week Faculty Development Programme on “Advanced Pedagogical Techniques” organized by Teaching Learning Centre, Ramanujan College University of Delhi under the aegis of MINISTRY OF EDUCATION PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING in collaboration with LAKHIMPUR GIRLS' COLLEGE KHELMATI, NORTH LAKHIMPUR, ASSAM from 13th - 19th September, 2021 and obtained Grade A.

4. Attended webinar on DELNET: “Resources and Services” on 22nd September, 2021

5. Attended a National seminar on “Alternative Energy Resources for Future”, held on 06th Oct 2021 organised by Arts Commerce and Science College, Satral.

6. Attended a National Webinar on Recent trends in Zoology: Planarian diversity and regeneration on 12th October, organized by DJG Arts, Commerce and Science College, Vaduj

7. Completed National level 7 Days Faculty Development Programme on 'Developing Statistical Skills for Enhancing Research' under Rashtriya Uchchar Shiksha Abhiyan (RUSA), jointly organized by Centre for Skill Development (CSD) and Teaching Learning Resource Centre (TLRC) Symbiosis from 27th January 2022 to 3rd February 2022

8. Attended a National Workshop on “Waste Management: Zero Waste College” organised by KLE

Society's Commerce and Science College, Mumbai from 10th February to 11th February, 2022.

9. Attended a "One Day National Webinar on Nanoscience and its Applications" Organized by Ramsheth Thakur College of Commerce and Science, Mumbai held on 12th February 2022

10. Contributed to design and development of curriculum for Module Introduction to biostatistics for course of Four Credit Course Recent trends in Life science Research. January 2022

11. Resource person for Extra credit course- Recent trend in Life Science Research (T.Y.BSc)

12. Participated in Global Conference on 22 Feb 2022 organized by Vohun Case study on Nipah Virus.

13. Completed Workshop on Revised Guidelines for NAAC Accreditation Organised by IQAC, Modern law college March 2022

14. Attended a National Symposium on 'Recent trends in Biology' organized by Department of Zoology, Savitribai Phule Pune University conducted during 11th- 12th March, 2022

15. Successfully Completed Two - Week Interdisciplinary REFRESHER COURSE on "Advanced Research Methodology" from 22 March - 05 April, 2022 organised by Teaching Learning Centre, Ramanujan College, University of Delhi under the aegis of MINISTRY OF EDUCATION PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING and obtained Grade A+.

Publications:

Research / Review Articles Published -

- Mategaonkar, M. S., Inamdar, S. A., Bhosale, A. S. (2021). Butterfly diversity of Paparnagar, district Solapur (MS). BIOINFOLET-A Quarterly Journal of Life Sciences, 18(3), 323-325.
- Mategaonkar, M. S., Sharma, P., & Inamdar, S. A. (2021). Diversity of odonates at Lohegaon, Pune (MS) BIOINFOLET-A Quarterly Journal of Life Sciences, 18(3), 329-333.
- Mategaonkar, M. S., Chinchalkar, M. M., Inamdar, S. A., & Kshirsagar, R. (2022). Sub-chronic effect of organophosphates and pyrethroids on apic cerana indica L. BIOINFOLET-A Quarterly Journal of Life Sciences, 19(1), 82-82.

5. Ms. Aboli Belhekar

Achievements:

1. Participated and guided Students for case study presentation in international conference - VOHUN One Health Biorisk Management case based discussion series, 23rd February, 2022

2. Completed Teacher's Workshop on new revised syllabus of TYBSc Zoology, SPPU organized by Prof. Ramkrishna More College, Akurdi pune on 08 September 2021.

3. Completed National level Faculty development program on 'Developing statistical skills for enhancing research, SYMBIOSIS COLLEGE OF ARTS & COMMERCE, 27th January 2022 to 3rd February 2022.

4. Attended a National level workshop on waste management: Zero waste college, KLE SOCIETY'S SCIENCE AND COMMERCE COLLEGE, 10th February to 11th February, 2022.

5. Participated in One Day Workshop on Revised Guidelines for NAAC Accreditation, A Quality Initiative Programme by IQAC, Modern Law College on 5th March 2022.

6. Participated in National Symposium on 'Recent trends in Biology', Organized by department of Zoology, SPPU, 11th -12th March 2022

7. Participated in the Online International Conference "Perspectives of Innovative & Applied Research in Zoology" organized by DEPARTMENT OF ZOOLOGY & RESEARCH CENTRE, Shri Shiv Chhatrapati College, Junnar, Pune - 410 502, 30th March, 2022.

8. Completed online Two - Week Interdisciplinary REFRESHER COURSE on "Advanced Research Methodology", Teaching Learning Centre, Ramanujan College University of Delhi, 22 March - 05 April, 2022

Publications:

'Temporal Variation in Zooplankton Diversity in a Tropical Pond, Pune, Maharashtra, India'- Abstract Presentation and Publication at Annual National Conference on Sustainable Ecosystems, Aquaculture, Fisheries and Fisherfolk (ANCOSEAFF, 2022), 28-29 January, 2022

6. Ms. Mithila M Chinchalkar

- Member, Board of Studies of Autonomous college, Progressive education society's Modern College Arts, Science & Commerce Ganeshkhind Pune 16.
- Member, Criterion III - Research, Innovations and Extension.

Achievements:

16. Delivered a talk in Online National Webinar on occasion of World Water Day on Zoo-indicators for assessment of quality of freshwater bodies organized by Department of Botany Lalgarh Govt College Jhargham West Bengal. March 2022

17. Contributed to design and development of curriculum for Module Introduction to

- biostatistics for course of Four Credit Course
Recent trends in Life science Research. January 2022
18. Completed 5 days online Faculty Development program "Examination Reforms – Outcome based Teaching ,learning and assessment strategies.", Dr.M.G.R Educational and Research institute Institute, Tamilnadu April 2022
 19. Completed 5 days online Level 7 Days Faculty Development Programme on 'Developing Statistical Skills for Enhancing Research' under Rashtriya Uchchar Shiksha Abhiyan (RUSA), jointly organized by Centre for Skill Development (CSD) and Teaching Learning Resource Centre (TLRC) Symbiosis. January 2022
 20. Completed 10 days Webinar series on Biodiversity organized by Department of Botany Lalgah Govt College Jhargham West Bengal.
 21. Completed National level 15 Days Workshop on How to write and get paper published by ESSGEE DIGISKILLS. January 2022
 22. Attended National level Conference on Innovations in basic sciences for sustainable development organized by Kalikadevi Arts Science Commerce Shirur. January 2022
 23. Attended and Presented Poster in International level Conference on Biotechnology in Conservation & Sustainable development organized by Progressive education society's Modern College Arts, Science & Commerce Shivajinagar Pune 16. February 2022
 24. Attended International level Conference on Aquaculture for rural development organized by Ahmednagar College. April 2022
 25. Completed a symposium on Flow cytometry and single cell omics applications organized by Department of Zoology and Human genetics department Gujarat university
 26. Completed Workshop on Revised Guidelines for NAAC Accreditation Organised by IQAC, Modern

- law college March 2022
27. Attended National webinar on New challenges in higher education by School of Pedagogical sciences MGU Kottayam April 2022
 28. Completed Workshop on Awareness of Biosecurity Best Practices to Secure Biological Materials, Equipment, and Knowledge organized by CDRF Global May 2022.

Publications:

Research / Review Articles Published –

- Chinchalkar, M. M., Mategaonkar, M. S., Inamdar, S. A., & Kshirsagar, R. (2022). Sub-chronic effect of organophosphates and pyrethroids on apis cerana indica L. BIOINFOLET-A Quarterly Journal of Life Sciences, 19(1), 82-82.

Book Chapters –

- Mithila M Chinchalkar, Varada Kulkarni & Dr Shakera Inamdar (2022) Medicinal Plants and its uses. Biodiversity and Sustainable Resource Management (Basic to Research & Applied) ISBN : 978-93-91681-79-1
- Mithila M Chinchalkar, Sakshi Vaidya & Dr Ravindra Kshirsagar (2022) Introduction to invasive Alien species. Biodiversity and Sustainable Resource Management (Basic to Research & Applied) ISBN : 978-93-91681-79-1
- Mithila M Chinchalkar, & Shreeya Kulkarni (2022) Microbial Diversity and its importance. Biodiversity and Sustainable Resource Management (Basic to Research & Applied) ISBN : 978-93-91681-79-1

Conferences –

- Presented a Poster on 'Studies on Ethology of Planaria in response to physio-chemical stimuli' International Conference on Biotechnology in conservation and sustainable development
- Presented and guided students Case study on Nipah Virus in VOHUN One health biorisk management case based discussions.

Student achievements

Name of student	Participation in Activity
F.Y.B.Sc	
Shreeya Kulkarni, Sumeet Lolge, Vaishnavi Dighe Chaitrali Salunkhe.	Participated in Kirloskar Vasundhara Clean College green college initiative.
Shreeya Kulkarni	Book chapter publication on topic Microbial diversity and importance Biodiversity and Sustainable Resource Management (Basic to Research & Applied) ISBN : 978-93-91681-79-1
Sakshi Vaidya	Book chapter publication on topic Invasive Alien species Biodiversity and Sustainable Resource Management (Basic to Research & Applied) ISBN : 978-93-91681-79-1

Name of student	Participation in Activity
F.Y.B.Sc	
Chaitrali Salunkhe.	Achieved 3 rd Rank in National competition organized on occasion of National Fungus day by Mycological society of India
Gautam Kardile	<ul style="list-style-type: none"> • Resource person and data analyst for Primary school Kardilewadi for NCERT. • Founded Rhythm production, Production house. • Participated as volunteer in activities conducted READ India community Library and Resource Kardelwadi, Shirur.
Sanskriti Toradmal	Participated in Largest agricultural show KISAN at Internal Exhibition and convention Centre
Tsering Gyurmet	Completed Training in Spoken English course at Learnvern Pvt Ltd
S.Y.BSc	
Kshiti Oak	Participated in National level workshop on Ice Skating by Ice Skating association of India
Rounak Pandit	<ul style="list-style-type: none"> • Completed Web development coding programme. • Participated in Zonal level cycling.
Rounak Pandit, Nilambari Salunkhe, Vaishnavi Baravkar Shradha Phadke	ROTRACT Participation and conduction of International donation drive, SAAHAS self-defense drive.
Shreeraj Lanke	Achieved 2 nd rank in Quiz competition on occasion of National Science day 2022 by Department of Microbiology, Savitribai Phule Pune University.
Aishwarya Mahapure	Participated in Animal sketches Pencil drawing competition organized by Department of Zoology R.J. College Ghatkopar
Rohan Khandagale	Participated in Inter College Body Building championships
Prapti Patil	Published Book chapter in Book The 'unsaid words of a writer' published under the writing arena
T.Y.BSc	
Shruti Sonkusare & Dhananjay Virkar	Presented a Case study Internationally on Nipah Virus in VOHUN One health bio risk management case based discussions.
Dhananjay Virkar	<ul style="list-style-type: none"> • Completed Biostatistics a user's perspective course by IISER PUNE • Completed a Course on Molecular biology for young scientist organized by IISER PUNE.
Shruti Sonkusare	Completed NPTEL SWAYAM MOOC Course on Immunology by IIT Kharagpur.
Prathamesh Shinde	<ul style="list-style-type: none"> • Completed B2 German (Commercial) • Completed NPTEL SWAYAM MOOC Course on Immunology by IIT Kharagpur. • Elected as Club service director of ROTARACT GEM.
Prathamesh Shinde	<ul style="list-style-type: none"> • Organized Blood donation camp with ROTARACT in Deenanath Mangeshkar Hospital. • Organized Project Sahayog as rescue operation for Sangli flood relief with ROTARACT.
Varada Kulkarni	<ul style="list-style-type: none"> • Book chapter publication on topic Medicinal plants and uses Biodiversity and Sustainable Resource Management (Basic to Research & Applied) ISBN : 978-93-91681-79-1 • Completed and excelled in Kathak – Prarambhik examination by Gandharva mahavidyalaya • Completed and excelled in Yog - Parichay by Nashik Yog vidyadham

Name of student	Participation in Activity
M.Sc-I	
Roohi Noor	Presented a Case study Internationally on Nipah Virus in VOHUN One health bio risk management case based discussions.
Shraddha Gavali	Recipient of the Inner wheel Imperial scholarship, amount received Rs. 5000
Sanika Kulkarni	<ul style="list-style-type: none"> Received 2nd prize of Beyond the boundaries, Wildlife week celebration, Pondicherry University Completed three day capacity building workshop on Microbial biotechnology under DBT-BUILDER scheme
Vaishali Patil	Completed three day capacity building workshop on Microbial biotechnology under DBT-BUILDER scheme
Rupali Korade	Completed three day capacity building workshop on Microbial biotechnology under DBT-BUILDER scheme
M.Sc-II	
Prachi Kamble	Presented a Case study Internationally on Nipah Virus in VOHUN One health bio risk management case based discussions.
Anthony Paste	Cleared Combined Defense Services Examination, Government of India
Leena Sonawane	Completed three day capacity building workshop on Microbial biotechnology under DBT-BUILDER scheme
Prajakta Pawar	Completed three day capacity building workshop on Microbial biotechnology under DBT-BUILDER scheme
Tampe Osik	Completed three day capacity building workshop on Microbial biotechnology under DBT-BUILDER scheme
Prachi Kamble	Completed three day capacity building workshop on Microbial biotechnology under DBT-BUILDER scheme
Sneha Tandel	Completed three day capacity building workshop on Microbial biotechnology under DBT-BUILDER scheme

2. Ph.D. students : Students of Research Centre in Zoology are the proud recipients of SARTHI National Research Fellowship by Chhatrapati Shahu Maharaj Research, Training and Human Development Institute and Mahajyoti for pursuing Ph.D.

Sr. No.	Name of the Student	Name of the Guide	Year of Fellowship	Number of students
1	Ms. Deepika Walunj	Dr. Ravindra Kshirsagar	2022	Full Time Dr. Rupesh Raut- Dr. Sanjay Kharat Dr. Braj Mohan- Dr. Sanjay Kharat Dr. Meghana Kulkarni- Dr. Shakera Inamdar
2	Mr. Ganesh Markad	Dr. Vinod Kakade	2021	

Dr. Shakera A. Inamdar
HoD of Zoology

PLATE OF EVENTS HELD



Fig 1 & 2: SCIENCE ADDA (5th January, 2022)

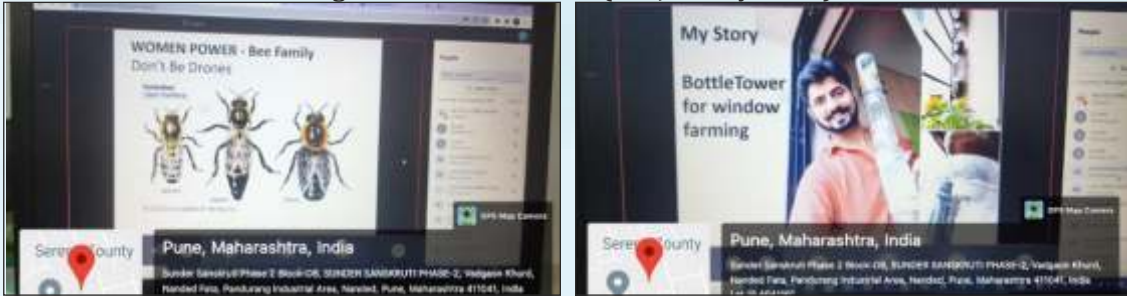


Fig 3&4 : LECTURE ON BEE CONSERVATION (8th January, 2022)

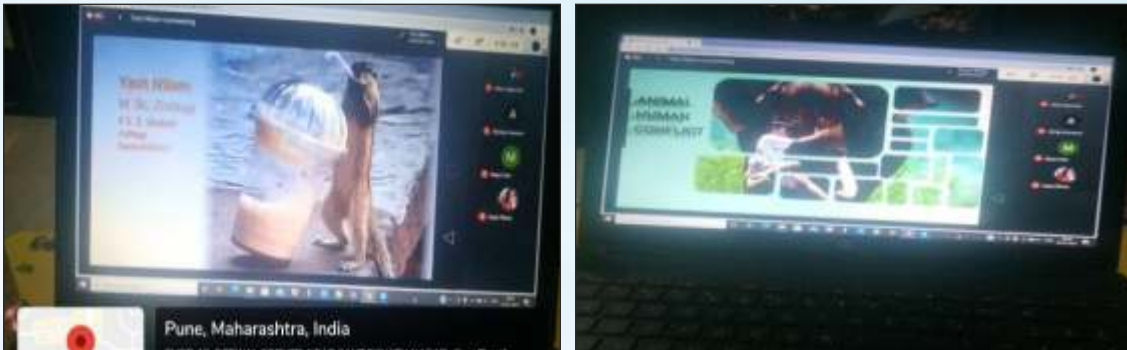


Fig 5&6 : CONSERVE MOTHER EARTH (21st- 31st January, 2022)



Fig 7&8 : GUEST LECTURE SERIES (13th- 15th January, 2022)

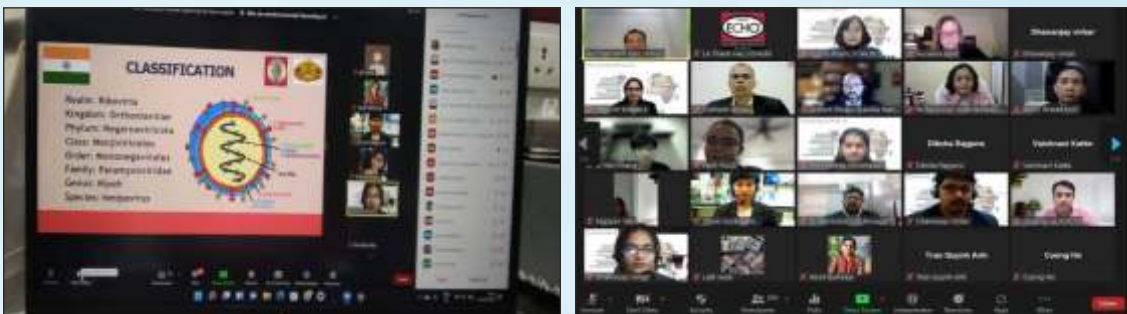


Fig 9&10 : CASE STUDY ON NIPAH VIRUS,VOHUN (23rd February, 2022)



CENTRAL LIBRARY

LIBRARY COLLECTION

Total number of books in the Central Library has crossed 37952 & donated books 3386. In the year 2021-2022 new 1883 books added in the library. Library has subscribed 82 periodical in the library. Library has taken membership of Delnet and N-List Infilbnet Consortia to access online paid & free e-journal, e-book & other scholarly publications in electronic forms. Library has taken institutional membership of Jaykar Library, Bionano Froniter, Sanshodhan (History Department) & Maratha Chamber of Commerce & Agricultural Industries for exchange of resources.

Library Automation & Digitization

Library is fully automated with latest "AutoLib NG" Library Management Software with bar code technology.

Electronic Resources

College has subscribed to INFLIBNET and J GATE Basic Science databases for accessing scholarly publications like e-Books, e-Journals, e-Thesis and dissertations, etc. College has also subscribed and member of Developing Library Network (DELNET) through which access to resources of and Union Catalogues of millions of books, journals, CDs, DVDs, Videos, etc of about 7500 libraries in Asia are made available to readers. During Covid Pandemic all other free educational resources are made available to readers using Padlet platform on our college website.

Library activity

1. The Great Indian Book Tour: Three days grant event of Book Talks, Book Fair and Literature Workshops were organized from the 6th to the 8th of April 2022 in collaboration with Languages departments. More than 15 authors from all over India interacted with students. Three workshops on Literature and Script Writing were conducted and Book exhibition at discounted rates were organized. More than 900 students participated in this activity.
2. Celebrated National Days and Birth Anniversaries of Eminent person by organizing talks, documentaries, etc to impart value based education among the students get aware of life of eminent persons and freedom fighters. It increases love for nation among the students and make them aware about ideal life and responsibilities.
3. Conducted a National Level Story Telling Competition to Celebrate 75th Anniversary of Independence in the month of December 2021 and

January 2022 on the occasion of Azadi Ka Amrut Mahotsav.

4. Organized J-Gate awareness program for all teachers and students where Mr. Mayank Dedhia from Informatics conducted a session on how to access J-Gate Resources on 30th July 2021.
5. Organized a webinar on DELNET Resources and Services in collaboration with DELNET on 22nd September 2021. Dr. Sangeeta Kaul, Director, DELNET guided all teachers and students.
6. Celebrated Marathi Bhasha Gaurav Din by organizing interactive session of famous Poet and Writer Ashlesha Mahajan on 28th February 2022. More than 125 students participated in this event. Marathi and Political Science Departments also coordinated this event.
7. Vachan Katta both offline and online (Facebook Group) started in college on 12th January 2022 on the occasion of Swami Vivekanand Jayanti

Staff Achievements

Dr. Sangeeta Dhamdhere, Librarian

1. She has elected as a Governing Board Member of Developing Library Network (DELNET) which is supported by the National Information System for Science and Technology (NISSAT), Department of Scientific and Industrial Reseach, Government of India and the National Informatics Centre, Department of Information Technology, Ministry of Communications and Information Technology, Government of India.
2. She has invited as a chief guest and judge for the competitions and other events organized on the occasion of Sir R A Fisher's (Father of Statistics) Birth Anniversary celebration at Department of Statistics of the college on 26th March 2022.
3. She was felicitated at Lions Club Sarasbaugh @ Aquarius Resort, Khadakvasala, Pune on the occasion of International Women's day on 20th March 2022
4. She was felicitated and awarded with Women Achiever Award on the occasion of Women' International day at D Y Patil University in collaboration with Divine HR Professional Forum on 12th March 2022
5. She has completed a Management Development Program in Career Counselling Level 1 of Sri Sri University in the month of March 2022.
6. Progressive Education Society felicitated her for receiving Savitribai Phule Pune University Felicitation Award.

7. She has received a Savitribai Phule Pune University Foundation Day Felicitation 2021-22 Award of National and International Award Winner Teacher on 10th February 2022.
8. She has received a state level Best Librarian and Library Friend Award of Human Resource Development Public Service Academy at Tilak Smarak Mandir, Pune.
9. She has registered three copyrights at Copyrights Office, India
10. She has completed Web of Science Academy Certification in Google Citation Behavior on 21st October 2021.
11. She was invited as a Guest of Honour on Reading Inspiration Day program to mark the birth Anniversary of Dr A P J Abdul Kalam at St. Mira's College for Girls, Pune.
12. She has received a prestigious Global Librarian's Award of AKS Publications on 29th Sept 2021
13. She has participated in two days Faculty Development Programme on "Autonomy in the context of NEP2020. Organized by IQAC- Utthaan, Smt. Maniben M.P. Shah Women's College of Arts and Commerce (Autonomous), Mumbai
14. She has organized a session of Dr. Sameer Sahastrabuddhe, Director, Educational

Multimedia Research Centre, SPPU on "New teaching pedagogy in online environment" was organised for all Language teachers of our college on 12th August 2021

15. She has received Medeley Advisor Certification – 11 August
16. She has presented a Paper on "Issues and Challenges in Optimum Utilization of Linked Data in Indian Libraries" at LD4 Conference organized by Stanford University on 23 July 2021
17. She has received most prestigious "Asia Education Award - 2021" for the contribution in education field at International platform virtually on 10th April 2021
18. She has delivered a lecture on "Ethical Publishing for Academic and Research Integrity" at PhD Course work, Research Centre, Zoology, MCSAC, GK, Pune on 31st March 2021.
19. She was invited as a facilitator at Ogun State Chapter of Nigerian Library Association and to deliver talk on "Change management and relevance of libraries in remote circumstances/ experience from India "on 28th April, 2021.

Dr. Sangeeta Dhamdhare
HoD of Library



DEPARTMENT OF PHYSICAL EDUCATION AND SPORTS

Introduction

The Department of Physical Education and Sports is shouldering the responsibility of making people physically, mentally, and socially fit and fine. To achieve this goal the department has organised Interclass Sports Competition, Participated in the intercollegiate sports competitions, International Yoga Day Program, organised Interzonal Lawn Tennis Competition etc. Details of the activities are as follows;

Organisation of Interzonal Lawn Tennis Men's Competition

The Interzonal Lawn Tennis Men's Competition was organized on November 29th, 2021 by Modern Arts, Science and Commerce College, Ganeshkhind, Pune 16. Chief guest for the function

was Dr. Deepak Mane, Director, Board of Sports and Physical Education, Savitribai Phule Pune University, and other guests present for the function were Dr. Pawar, Director, Board of Physical Education and Sports, Solapur University, Dr. Parihar, Director, Board of Physical Education and Sports, Nanded University, Dr. Buchade Sir, Principal, MES Garware College, Dr. Sanjay Kharat, Dr. Savio Vegas, Director, Ahmednagar College, Prof. Nandurdikar, Prof. Gautam Sonawane, Dr. Asha Bingle, Prof. Harde, Mr. Manohar Kunjir. Technical committee members present were Mr. Yash , Mr. Hanumant Sathe, and Prof. Vishal Pardeshi. There were 16 players from Pune City, Pune District, Nagar zone, and Pune District who participated in the competition.



Fit India Activities Yoga Day Program

On June 21, 2021, in honour of Yoga Day Program, Dr. Rupesh Thopate of Dr. Babasaheb Ambedkar College in Yerawada, Pune, gave a lecture on yoga and its significance.

Chess Tournament for Staff and Students

On the occasion of International Chess Day, the Department of Physical Education has organised a chess tournament on July 20, 2021. The tournament

was played by Swiss Format with seven rounds. There were nine participants in the staff section. The result of the tournament is as follow;

First Place	: Mahesh Darekar
Second Place	: Satish Jadhav
Third Place	: Prakash Patole

Yoga for Unity and Wellness Program

123 students and 22 staff participated in the 100-Day Program.

It is organised by Yoga for Unity and Wellness in

association with the Ayush Ministry of India from 14th March to 21st June 2021.

Intercollegiate Competitions

This academic year, 205 players participated in the various sports events. The college participated in archery, athletics, badminton, boxing, chess, cross country, cycling, fencing, wrestling, shooting, softball, powerlifting, roll ball, swimming, taekwondo, weight lifting, and yoga competitions. In team events, the college participated in baseball, basketball, cricket, football, handball, kabaddi, khokho, and volleyball. Overall, the college participated in 24 events, out of which 8 were team events and the remaining 16 were individual events.

Interclass Competitions

To promote and identify talent in sports, the department has organized interclass sports competitions this year from April 25th to May 14th, 2022. This is the largest event where more than 1000+ players from the college from all faculties participated. Badminton, Table tennis, Chess, are the individual events and Basketball (9 Teams), Volleyball (19 Teams), Throwball(3 Teams), Dodgeball(5 Teams), Box Cricket(36 Teams), 3-A-Side Football(27 Teams) were the events in team sections were organised.

Players' Achievements at various levels:

International Level:

1. Neeshita Kotwal F.Y.B.A. Taekwondo
 - a. Participated in the 3rd Asian Open Taekwondo Ranking Championship, held in Iran from 13-18 October 2021.

Interuniversity Level:

1. Vipul More - T.Y.B.Com. - Archery
 - a. Participated in the Interzonal Archery Competition organised by KTHM College, Nashik.
 - b. Participated in the All India Inter University Archery Competition held at
2. Pandit Raunak - S.Y.B.Sc. - Cycling (Track)
 - a. Participated in the Interzonal Track Competition organised by Hutatma Rajguru Mahavidyalaya.
 - b. Participated in the intercollegiate track cycling competition.
3. Atharva Kangane - S.Y.B.Com. - Basketball
 - a. Selected for Interzonal Basketball Competition.
4. Kashish Arora - S.Y.B.Com. - Boxing
 - a. Participated in the interzonal boxing competition held at BJS College, Wagholi, Pune
5. Krish Tiwari - T.Y.B.Sc. - Boxing
 - a. Participated in the interzonal boxing competition held at BJS College, Wagholi, Pune
6. Sakshi Usnale - F.Y.B.C.S. - Boxing
 - a. Participated in the interzonal boxing competition held at BJS College, Wagholi, Pune
7. Aditya Shinde - T.Y.B.Sc. - Boxing
 - a. Participated in the interzonal boxing competition held at BJS College, Wagholi, Pune
8. Anurag Upase - S.Y.B.Com. - Volleyball

- a. Participated in the Interzonal Volleyball Competition held at Amrut Vahini Abhiyantriki Mahavidyalaya, Sangamner, Dist. Ahmednagar.
9. Vaishnavi More - T.Y.B.Com. - Handball
 - a. Participated in the Interzonal Handball Competition held at Otur, District Pune.
10. Sharayu Kulkarni - T.Y.B.Com. - Handball
 - a. Participated in the Interzonal Handball Competition held at Otur, District Pune.
11. Sanket Mali - M.Com., - Baseball
 - a. Participated in the Interzonal Baseball Competition held at, T.C. College, Baramati, District Pune.
12. Shainesh Sawant - T.Y.B.A. - Baseball/ Softball
 - a. Participated in the Interzonal Baseball Competition held at, T.C. College, Baramati, District Pune.
 - b. Participated in the Interzonal Softball Competition held at Abeda Inamdar College, Pune.
13. Siddhant Patil - FYBCA - Softball
 - a. Participated in the Interzonal Softball Competition held at Abeda Inamdar College, Pune.
14. Aditi Nimhan - F.Y.B.Com. - Baseball
 - a. Participated in the interzonal Baseball Competition held at Nagarpalika College, Sangamner, Dist. Ahmednagar
15. Aditi Kale - T.Y.B.A. - Baseball
 - a. Participated in the interzonal Baseball Competition held at Nagarpalika College, Sangamner, Dist. Ahmednagar
16. Nikita Pawar - T.Y.B.C.A. Sc. - Roll Ball
 - a. Participated in interzonal Roll Ball Competition held at Prof. Ramkrishna More College, Akurdi, Pune.

Teacher Achievements

Dr. Deepak Shendkar

- Coordinated the First "Shiv Swarajya" Din on 6th June 2021.
- Worked as Admission Committee Member
- Participated in the Yoga Saptaha Program organised by the Department of Physical Education of SPPU.
- Coordinated and participated in the 100 Days Yoga Program by Unity
- Completed UdeMy Live Streaming Course
- Research Papers published in the international journals
- Construction of Skill Test and Norms for Junior Male Ball badminton Players of Maharashtra State
- Authored book on "Health Education and Environmental Studies" with Dr. Shobha Shinde.
- Worked as Selection Committee Member for Intercollegiate Softball, Baseball, Cycling, Chess Competitions
- Worked as Team manager for Interzonal Baseball, Softball, Cycling, Chess Competitions.
- Worked as Coordinator for PE Scheme 2019 Exam for academic year 2021-2022.
- Worked as Chairperson for two days International Web Conference organised by CK Goyal College, Dapodi, Pune.

Worked as Chairperson for the International Faculty Development Program organised by the Mumbai University.

Worked as Resource person for One Day National Level workshop on "Stress Management" organised

by Amruteshwar College, Vinzhar, Pune. (Dr. Deepak Shendkar)

Dr. Deepak Shendkar
HoD of Physical Education and Sports

ARTS CIRCLE REPORT

Arts Circle is the cultural platform of the college which is established for students to exhibit their skill and talent related to Dance, Drama, singing, poetry. In past several years this platform has provided an opportunity to many students to display their talent and skills at the college and intercollegiate level. The students have consistently performed excellently, winning prizes and thereby accolades for the college.

In 2021-22 activities related to drama were conducted which includes workshops related to drama, light and sound arrangements. Experts in the field, alumni and experienced students had given training and guidance in these sessions.

Achievements of arts circle in 2021-22

1. Purshottam Karandak 2021 organized by Maharashtra Kalopasak Mandal Ekankika - Bhag Dhanno Bhag Third Prize Sanjeev Karandak -

Team , Best Female Acting (Mai Bhide Award) (Abhinay Naipunya Stri) - Tanaya Jadhav (F.Y. B.A.)

2. Kai. Ram Ganesh Gadkari Rajyastariya Spardha (State Level Competition) Ekankika - Bhag Dhanno Bhag -Team Third Prize, Best Acting Female- Tanaya Jadhav (F.Y. B.A.), Light Arrangement - First Prize Harsh Rajput, Gaurav Joshi and Shubhankar Waghole

3. Jayant Karandak 2022 organized by Rajarambapu Patil Dyanprabhodhini , Akhilhartiya Marathi Natya Parishad , Shakha -Eslampur, Ekankika - Bhag Dhanno Bhag First Prize -Team, Best Director- Shubhankar Waghole, Set Design -Second Prize-Sakshi Kondhalkar and Sameer Mohol , Light Arrangement - First Prize - Girish Kulkarni Best Acting -Female - Tanaya Jadhav , Best Music - Siddhesh Neve and Rohan Dhore, Prof. Prasad Deshmane (Co-ordinator).



MODERNITES ALUMNI ASSOCIATION 2021-22

Modernites is a registered alumni association of P.E. Society's Modern College of Arts, Science and Commerce Ganeshkhind Pune. It aims at enhancing employability and entrepreneurial skills amongst youth by collaborating with the college for various events so as to bridge the gap between academia and corporate. In the academic year 2021-22 it has contributed at the department level as well as college level.

A. ENDOWMENT SCHOLARSHIPS

Alumni of various faculties have supported to the deserving students by way of scholarships and awards. The applicant students have to appear for the interview taken for the entire proposed alumni funded scholarships.

Following are the details of Alumni Funded Scholarship in the academic year 2021-22, Scholarships 12 and 13 are introduced in this academic year.

Scholarships offered by alumni under Modernites Alumni Association

Sr.No	Name of Scholarship	Details
1	Gollapudy Scholarship (I) Sponsored by Mr. Sandeep Gollapudy in the memory of his father Ramesh Gollapudy.	Any one commerce student who is economically backward and secured at least 60% marks in previous examination
2	Gollapudy Scholarship (II) Sponsored by Mr. Sandeep Gollapudy in the memory of his mother Laxmibai Gollapudy.	Any one student of Arts, Commerce and Science who is economically backward and secured at least 60%marks in previous examination
3	Atal Scholarship Sponsored by Mr. Anand Parchure with the intension to sponsor the scholarship in lifelong.	Any five students of Arts, Commerce and Science who are economically backward and secured at least 60% marks in previous examination
4	Rani Laxmibai Shisyavrutee Sponsored by Mr. Anand Parchure for women empowerment.	Any three female students of Arts, Commerce and Science, who have secured at least 60%marks in previous examinations out of which one scholarship will be given to female student who is having her own business.
5	Tapkir Scholarship Sponsored by Mrs. Vanita Kunjir in the memory of her father Mr. Shankar Tapkir	Any four commerce student who are economically backward and secured at least 60% marks in previous examination
6	Nisal Scholarship Sponsored by Mr. Amey Nisal	Any one commerce student who is economically backward and secured at least 60%marks in previous examination and preparing for any of the competitive examinations
7	Gollapudy Scholarship (III) Sponsored by Mr. Sandeep Gollapudy in the memory of his father Ramesh Gollapudy.	Anyone from Last year graduation TYBCOM or MCOM Part II with Minimum marks at previous exam of 55% without any backlog. The Student having shown the progression in academic performance, Student having startup, Extra ordinary contribution in NCC or NSS of college
8	Prerana Puraskar instituted by Late. Jyoti Mungse	Any student of Second Year of BA having adverse economic conditions with Minimum marks at previous exam of 55% without any backlog Avinash Murumkar SYBA (History) of Rs. 4873
9	Sunita Chaugule Scholarship for Agricultural Background students	Any Student of commerce faculty of Second year B.Com or First Year M.Com with Minimum marks at previous exam of 55% without any backlog papers Students having adverse economic conditions and must be from agricultural background.
10	Mr. Shekhar Chaphekar Scholarship: Physically Challenged Student Scholarship instituted by Dr. Shubhangi Joshi	Physically challenged student of commerce faculty With Minimum 55%marks at previous examination without backlog and having adverse economic conditions
11	Manish Konde Scholarship: Single parent scholarship instituted by Vijayalaxmi kuljarni	Student of any stream of second, third year of under Graduate or Post graduate student who is necessarily to be single parent student.withMinimum 55%marks at previous examination without any backlog and having adverse economic conditions

12	P.L. Deshpande Scholarship instituted by Mr. Rohan Medhekar	Total amount of Scholarship is Rs.8000/ only The beneficiary students will be three Which students can avail this prestigious scholarship ??? Minimum passing marks 50% A. The best student of Arts Circle of Rs.4000/only B. Two students who have shown remarkable contribution in the Arts Circle will receive Rs.2000/only each.
13	Ramchandra Medhekar Scholarship for Advanced learners instituted by Mr. Rohan Medhekar	Total amount of scholarship is Rs.8000/ only The beneficiary students will be three Who will be honored with these scholarships? 1.Any stream student of second / third year UG or First/ second year of PG 2.Minimum marks at previous exam of atleast 60% 3. Challenged economic conditions.

B. CONTRIBUTION IN THE ACADEMIC FIELD

- In the faculty of commerce Mr. Rohan Medhekar Vice President Axis Bank and Mr. Abhijeet Joshi Branch head of Axis Bank guided our students for doing internship in various banks. They had focused on the various skills required to banker.
- On 11th Aug 2021 Future Banker's Forum of faculty of commerce celebrated Banking Day through online mode. On this Mrs. Sampada Purandare Deputy Manager Head office SBI was Chief Guest. She spoke on various roles and responsibilities required for any banker.
- In the department of Psychology, a Preplacement Guidance Session for MA part 1 and 2 students conducted by Vasudha Parkhi, Ravi Kumar, Simran Alekar, Sanjana Pugalia and Ishitta Shinde.
- In the department of Microbiology two students were invited as Guest.
 - Mr. Mihir Thatte Conducted lectures for the extra credit course (1 credit: 10 hours) on : Soil Dynamics: Physicochemical and Microbial, in Feb. 2021.
 - Dr. Pranitha Natesan Conducted lectures for the extra credit course (1 credit: 10 hours) on: Soil Dynamics: Physicochemical and Microbial, in Feb. 2021.
- In the department of Sociology Pratibha Bhosale

gave the Information about NGO Vicharvedh where she is working

- In the department of Chemistry Mr. Amol Gavale, Scientific Officer at Jubilant, Noida Gave training and recommendation to three MSc.II Chemistry students for the placement in Jubilant, Noida.
- In the department of Chemistry Mr. Harshal Patil gave Guidance for NET-SET examinations to MSc Chemistry students

C. ALUMNI ACHIEVEMENTS

- Yogesh Tapkir alumnus of Geography department (Batch 2016-19) MPSC PSI exam in first attempt in March 2022.
- Akshay Jawane alumnus of Psychology department has received Tarabai Modak Fellowship instituted by QUEST NGO working in Palghar in nonformal education of Adivasi children
- Alumni of Psychology department who got placed: Ishitta Shinde Ashraya Initiative for Children (MA 2019-2021), Vasudha Parkhi (BA 2018) and Ravi Kumar MA 2019-2021 Brainberg, Pranav Gaikwad, and Maheema Kate MA 2019-2021 Brainability Autism Intervention Centre, Sanober Patel MA 2019-2021 -Mindtribe, Simran Alekar(BA 2018) - Dr Swapnil Deshmukh Smart Clinic, Pune, Sanjana Pugalia(BA 2018)- The Secret Ingredient, Suveni Kaul (BA 2020) – Mpower Mahindra Mental Health Initiative

Sr. No	Name of Alumni	Achievement Details
1.	Dr. Shrikant Pawar	A Senior scientist at Mylab discovery solutions Pvt. Ltd. Developed ICMR approved self test kit 'Coviself' for antigen testing of Covid -19.
2.	Dr. Pranita Natesan	Awarded with Ph. D. degree by SPPU
3.	Ms. Priya Neurgaonkar	Ph. D. thesis submitted, joined for Post-Doctoral research in Institute For Human Genetics, Würzburg, Germany.

4.	Ms. Kruttika Lonkar	Joined for Ph. D. in Department of Microbiology SPPU.
5.	Ms. Rucha Joshi	Selected for MS Programme in 'Pharmaceutical Sciences' at Wayne State University, Michigan, USA
6.	Ms. Nandinee Suryawanshi	Selected for MS programme in 'Bioinformatics' at The Northeastern University, Boston, USA

5. Following are the achievements of alumni of Sociology Department

Sr. No	Name of Alumni	Achievement Details
1	Pratibha Bhosale	Achieved Success NET Examination in Sociology 2021
2	Utkarsha Wakode	Completed her M.A From Azim Premji University and Placed at "Samaj Pragati Sahyog" Reputed NGO
3	Manisha Dudhwade	Completed her M.A From Tata Institute of Social Sciences and Placed at "Room to Read" Reputed NGO
4	Sneha Kambale	Awarded Senior Research Fellowship ICMR (Indian Council of Medical Research)
5	Pallavi Shirish	Completed MA in YOG From Savitribai Phule Pune University
6	Bhushan Bhad	Joined Times of India Group as Journalist
7	Komal Bansode	Joined Reputed NGO Magic pin
8	Vinod Kambale	Received Fellowship of Mahatma Gandhi Research Foundation for his Further Education

6. Following are the achievements of alumni of History Department

Sr. No	Name of Alumni	Achievement Details
1.	Pournima Gaikwad	Qualified NET & SET Enrolled for the PhD programme In the department of History, SPPU. Pune. Secured the NFSC fellowship for doctoral research
2.	Pratiksha Mane	Enrolled for the PhD programme In the department of History, Shivaji University Kolhapur
3.	Shubham kathle	Enrolled for the PhD programme In the department of History, Shivaji University Kolhapur Qualified NET with JRF

7. Following are the achievements of alumni of Chemistry department

Sr. No	Name of Alumni	Achievement Details
1	Ms. Ankita Mishra	Selected for Ph.D. program at The University of Toledo, U.S.A.
2	Mr. Harshal Patil	Passed NET-JRF, SET, and GATE Examinations. He got selected for the Ph.D. Program IIT(Madras), IIT(Dharwad), CDRI- CSIR(Lucknow), IISER(Pune), IISER (Bhopal) and IISER (Tirupati). He has joined IIT-Madras for Ph.D.
3	Ms Shweta Rengade	Passed CSIR-JRF.
4	Nikita Wyavhare	Passed PET examination SPPU and joined Ph.D. program at Dept. of Chemistry SPPU
5	Sanket Zanjad	Passed PET examination
6	Aditya Vinchurkar	Passed PET examination
7	Karuna Gangawane	Passed PET examination

Vijayalaxmi Kulkarni
Secretary
Modernites-Alumni Association



Mr. Kiran Desai
Vice President
Modernites-Alumni Association

BEST STUDENT TROPHY

'Pride of Modern' -The Best Student Trophy Competition 2021-2022

A prestigious competition of the college, 'Pride of Modern'- The Best Student Trophy is awarded to a student who is academically sound and has made remarkable contribution in sports, cultural and co-curricular activities. He must also be soft spoken, polite, well-behaved, responsible and an asset to his/her alma-mater.

Instituted in the year 1999, the award comprises of a Rolling trophy, a memento, a certificate and cash prize.

The selection procedure for the Best Student involves scrutiny of his credentials by an in-house committee comprising of the Vice-principals and faculty members. This is followed by a Mental Ability Test and Preliminary Interview. The shortlisted students are then interviewed by the principal of the college and a panel of experts. The panel includes experts from the college management and an external expert. The Best Student is finally chosen based on his/her communication skills,

presence of mind, general awareness and his/her firm conviction and dedication towards work and life.

The judges for the final round of interview were Mr. Deepak Marathe, Member Business Council, Progressive Education Society, Pune, Prof. Suresh Todkar, Joint Secretary and Dr. Prakash Dixit, Deputy Secretary of Progressive Education Society, Pune, Dr. Sanjay Kharat, Principal, Modern College, Ganeshkhind. The panelists praised the efforts taken by the college and the students for their active participation in the competition.

The recipient of Pride of Modern title for the academic year 2021-22 was Ms. Jwalanthi Sundaram from MSc-I, Microbiology Department.

Dr. Shampa Chakravarthy
Chairperson, Best Student Trophy Committee

COUNSELING CELL

The Counseling Cell has been operational for 30 years. It offers a range of services like Individual One on One Psychological Counseling, conducting Study Skills and Life Skills, workshops, conducting sessions on vocational guidance and premarital education. These activities are conducted by the Department of Psychology. This year, since the pandemic continued, all these activities were conducted online as well as offline. The details about this year's functioning are as follows:

Services:

One on One Psychological Counselling: 65 persons (including students, staff members and alumni) benefitted from the online counselling sessions amounting to 132 sessions.

Vocational Guidance Session: Dr. Sadhana Natu conducted an online session on Careers after BA and Careers after MA Psychology. 45 students attended the session.

Awareness Activities:

World Suicide Prevention Day- 10th September was commemorated online in a unique way with students making E Posters on the theme 'Suicide is Preventable'. It was followed by a free-flowing discussion.

World Mental Health Day- was marked on 10 November with a collaborative program with Sruti Disability Centre, Kolkata on the topic, 'Mental Health from a Feminist and Disability Lens'. Few students from the Department conducted a small survey prior to the program to understand the levels of awareness about Disability amongst students. Shampa Sengupta from Sruti Disability Centre spoke about Disability and Mental Health and Dr Sadhana Natu, Head, Department of Psychology addressed the audience about looking at Mental Health and Disability through a Feminist Lens.

Outreach: Few students who worked with the organization Eklavya as a part of the Internship had prepared a booklet on the Myths and Facts about Mental Health. This book was published by Eklavya and the Department of Psychology. The booklet is being used pan India and has received very good feedback.

Dr Sadhana Natu was assisted by Mrs. Sandhya Zope in online and offline- counselling.

Dr Sadhana Natu
Senior Counselor and Head
Counseling Cell.

INTERNATIONAL STUDENTS 2021-22

The college hosts a number of foreign students from African and Asian countries. We specially organize events to welcome the international student

community. The college conducts a variety of programmes to help these international students to gel with the local student population and thus, tries to

facilitate their assimilation. For the academic year 2021-22, 16 students from 9 Countries are studying in the college. 12 are ICCR fellows while 4 of them are self-funded. The students interacted with the college authorities and among themselves through a Whatsapp group and email. Queries regarding Choice Based Credit System were resolved. Tried to provide help through social media and direct communication on exam and

university related updates with the help of administrative staff. Provided special assistance to students from Afghanistan and Sri Lanka considering the difficult situation the students faced in their native countries.

Dr. Gauri Kopardekar
Co-ordinator, International Students' Cell

INDIAN RED CROSS

1. A Program on "First Aid" was organized for the non-teaching staff of the college in association with the Junior Red Cross Society, Pune on 30th August 2021 in the AV Hall. There were about 41 participants. Dr. Jyoti Gagangras, Vice-Principal, Arts, gave the welcome address. Dr. Rajkumar Shah, Chairman, Disaster Management Committee, Indian Red Cross Society, Pune was the resource person who spoke on first aid and demonstrated how to do CPR. Dr. Shah was assisted by Mr. Dipak Shah, Dr. Dilip Pardeshi, Mrs. Bharti Kamble, Coordinator, Junior/ Youth Red Cross, Pune.

Compeering was done by Dr. Abaso Shinde, Program Coordinator and vote of thanks was proposed by Dr. Shilly John.

2. The board of Indian Red Cross of the college was unveiled by Ms. Sakshi Jagtap of SYBA on 18th October 2021. Around 61 student participants, the program was in hybrid mode in which 45 students were present in the AV Hall and 16 students participated online. Dr. Sanjay Kharat, Principal addressed the gathering. Dr. R.V. Kulkarni, Secretary, Indian Red Cross Society, Pune gave the inaugural address.

Compeering was done by Mr. Avinash Murrumkar of SYBA. The resource persons were introduced and vote of thanks was proposed by Dr. Abaso Shinde, Program Coordinator.

Dr. Jyoti Gagangras, Vice-Principal, Arts, and the entire staff of department of economics assisted for the successfully executing the program.

3. Indian Red Cross Society and Department of Economics together took the initiative to participate in 'Karmavir Karandak' Street play competition at Dr. Babasaheb Ambedkar College, Aundh on 4th and 5th January 2022. Dr. Abaso Shinde was in-charge and 12 students of our college participated. Sangram S. Kadam, TYBCom, Shivani A. Kamble, SYBA, Chaitali M. Danane,

SYBA, Renuka M. Panchal, TYBCom, Rajlaxmi B. Sarvade, SYBA, Chetna M. Danane, SYBA, Ganesh D. Pawar, SYBA, Shubham N. Takle, TYBA, Arjun D. Vakode, SYBA, Sakshi T. Shete, SYBA, Shweta A. Pashankar, SYBA, Amit P. Chormle, TYBCom.

Dr. Sanjay Kharat, Principal, Dr. Jyoti Gagangras, Vice-Principal, Arts, and Dr. Abaso Shinde, Program Coordinator guided the students for the competition.

4. Indian Red Cross Society, Pune and Board of Students Development, SPPU, Pune together organized a One day Workshop for Counsellors. Dr. Nitin Karmalkar, V.C. SPPU, Dr. N.S. Umrani, Pro-V.C., SPPU, Dr. Vikram Phatak, Director, Indian Red Cross, Dr. R.V. Kulkarni, Honorary Secretary, Dr. Sanjay Kharat, Principal, shared their experience. Dr. Abaso Shinde and Dr. Swati Gadekar, represented our college.

5. On the occasion of World Red Cross Day, on 8th May 2022, Procession was organized from Indian Red Cross Society, Rasta Peth, Tarachand, KEM hospital to Apollo Talkies from 7:30 am to 9:30am. 20 Students and Dr. Abaso Shinde, Program Coordinator took part in the event.



Procession on World Red Cross Day, on 8th May 2022

Dr. Abaso Shinde
Program Coordinator

LIFE LONG LEARNING AND EXTENSION ACTIVITY

The Life Long Learning and Extension Activity, of the college in association with Life Long Learning and Extension Activities department, SPPU organized a one seminar on “Financial Literacy” on 18th October 2021. There were 61 student participants, of which 45 were present in the AV Hall and 16 students participated online. Before the program began the board of Life Long Learning and Extension Activity of the college was unveiled by Ms. Sakshi Jagtap of SYBA.

Dr. Sanjay Kharat, Principal of the college gave the welcome address. Dr. Dhanjay Lokhande, Director, Life Long Learning and Extension Activities Department, SPPU spoke on the importance of financial literacy in the society.

In the first session, Prof. Dr. Kailash Bavale, Director, Dr.

Dhanjayrao Gadgil Shashwat Gram Vikas Kendra, Pune. He spoke on “Financial Literacy the need of the hour”. Second session resource person was Mr. Bipin Deokar, Deputy Director, EPW Research Foundation India Time Series, Mumbai, who spoke on “The impact of Privatization on Indian Economy”.

Compeering was done by Mr. Avinash Murmumkar of SYBA. The resource persons were introduced, and vote of thanks was proposed by Dr. Abaso Shinde, Program Coordinator.

Dr. Abaso Shinde
Dr. Sanjay Kharat
Program Coordinator
Principal



Photo 1 LLE: Unveiling of the Board of Department of Life Long Learning and Extension, Savitribai Phule Pune University on 18th October 2021, by Sakshi Jagtap (S Y B A)



Photo 2 LLE: Prof. Dr. Kailash Bavale, Director, Dr. Dhanjayrao Gadgil Shashwat Gram Vikas Kendra, Pune, Dr. Dhanajay Lokhande, Life Long Extension Activities, SPPU Principal, Dr. Sanjay Kharat and Dr. R.V. Kulkarni, during seminar on Financial Literacy on 18/10/2021

NSS REPORT

Deshi tree plantation is the motto of NSS department. As usual, NSS activities starts from tree plantation which students plant at their place due to pandemic. Vasundhara Abhyan Baner is with NSS department for the plantation. NSS team also planted trees at Raj Bhavan. A team planted trees and help Raj Bhavan to make environment clean and green.

A programme was held on Voters Day. It was online programme held to create awareness about voting and democratic rules. Vaccination drive was held to fight against COVID-19 on 29th Oct.2021. Total 84 vaccination was done. Students, Parents and localities were benefited.

A regular programme of road safety was arranged to make students familiar for roads rules and regulations. Students takes initiative to help traffic police usaly at University Chowk. Programme was organized on 4th Feb.2022.

Cleanliness drive was held on 16th Feb.2022. The students clean up all the college campus and collected plastic and garbage.

NSS department is always ahead in social activities.

Department contributed for the social programe of Janeev, a college platform for orphanage. A fund is also transferred to Ms Chandani Gore to send sweater and shawls for slum area.

A department organized a programme on Shiv Jayanti. To celebrate Shiv Jayanti online programme was organized for the staff and students.

All the programmes were organized under the guidance of Prin

Dr Sanjay Kharat.
Programme Officer
Prof. Manjusha Kulkarni
Assit. Programme Officer

Prof. Kumod Sakpal
NSS Programme Officer
Prof. Govind Kamble
Assit. Programme Officer



PUBLICITY REPORT OF 2021-22

Modern College of Ganeshkhind is considered one of the best college

Press Release of college programmes were done as a regular activity to put college in limelight in print and electronic media.

A celebration of 'Women Day' was organized with YIN SAKAL for stress management. Soft Skill Workshop was organised for B.com and B.A students with collaboration of LOKMAT.

A Press Conference was organised to announce College Autonomy. Hon Dr Gajanan R Ekbote sir address the conference. All media journalist attended and gave wide coverage.

A Mega event of YIN SAKAL was coordinated with YIN

team of Sakal media group. YIN leaders' district level Adhiveshan was organised. Eminent personalities from different areas such as Politics, IPS, IAS, Police etc addressed the sessions.

Siti Bajao Shor Machaw campaign with PUNE MIRROR was held in the campus for ladies safty.

A wide coverage was given to 88th Anniversary of P. E. Society. Along with this several imprtant events of P.E.Society limelighted through Moderngk Publicity group. All the publicity activities were organised under the guidance of Prin. Dr Sanjay Kharat sir.

Dr. Manjusha Kulkarni
Publicity Group



PLACEMENT ACTIVITIES:



Placement Coordinator Dr. Satish Ambike
Soft Skill Workshop 2021-22

Department Of Statistics, Computer Science and Mathematics, P.E.Society's Modern College of Arts, Science and Commerce, Ganeshkhind, Pune-16, jointly organized two day workshop on “Soft skill workshop” on 28th and 29th December, 2021. Students from various departments attended this workshop. Total no. of student's attended the workshop is 76.

The presence of distinguished personalities such as Mr. Milind Tilak (Senior Director-Operations, Large IT Services, Pune), Prof. Dr. Sanjay Kharat (Principal- Modern College, Ganeshkhind, Pune-16), Prof. Swati Kandharkar

(Vice Principal-Modern College, Ganeshkhind, Pune-16), Dr. Prakash Dixit (Visitor, Modern College, Ganeshkhind, Pune-16), Prof. Rajashree Umarani (Head of Department, Statistics), Prof. Dr. Shubhangi Bhatembrekar (Head of Department, Computer Science), Dr. Satish Ambike (Coordinator). Soft skill workshop graced the inaugural function of the workshop. Dr. Prakash Dixit felicitated Chief Guest Mr. Milind Tilak. Mrs. Meenal Jabade gave introduction about the guest.

Topics Included in Program

- Mock Interview ➤ Goal Setting and communication skill ➤ Health care ➤ Creativity ➤ Interpersonal Skills and Body language
- Group Discussion

Department of Computer Science (Academic Year 2021 - 22) M.Sc. (Computer Science) Year II Placement Cell			
Sr. No.	Name of Student placed	Program graduated from	Name of the Employer
1	Pawar Shubham	M.Sc. (Computer Science)	Aivariant
2	Naikwadi Abhijit Ramdas	M.Sc. (Computer Science)	Aloha Technology
3	Shankardas Kranti Sandesh	M.Sc. (Computer Science)	Capgemini
4	Bhosale Pratiksha Kashinath	M.Sc. (Computer Science)	Cognizant Technology Solutions
5	Kulkarni Aditi Pankaj	M.Sc. (Computer Science)	Cognizant Technology Solutions
6	Thakare Akshay Sahebrao	M.Sc. (Computer Science)	Cognizant Technology Solutions
7	Khandve Shrutika Balu	M.Sc. (Computer Science)	Cognizant Technology Solutions
8	Pardeshi Prerana Gopalsingh	M.Sc. (Computer Science)	College Ranker
9	Sharma Gopal kamalchand	M.Sc. (Computer Science)	Cravita Technologies India Pvt.Ltd
10	Kulkarni Tejasvini Anirudha	M.Sc. (Computer Science)	Cravita Technologies India Pvt.Ltd
11	Vaidya Abhijeet Rajendra	M.Sc. (Computer Science)	Cravita Technologies India Pvt.Ltd

14	Ghadigaonkar Prasad Pandharinath	M.Sc. (Computer Science)	Cravita Technologies India Pvt.Ltd
15	Jagdale Shubham shridhar	M.Sc. (Computer Science)	Crimsonbeans Techlabs Pvt Ltd
16	Khilare kishor Ajinath	M.Sc. (Computer Science)	Cross country infotech Pvt Ltd
17	Rajput Anuprita Sanjiv	M.Sc. (Computer Science)	Datavision technology of nashik
18	Kothari Amruta Jitendra	M.Sc. (Computer Science)	EITServices India Private Limited of DXC Technology, Bangalore
19	Dhamdhare Dhanshri Dilip	M.Sc. (Computer Science)	EmerX Services
20	Bendre Suyash Dhanraj	M.Sc. (Computer Science)	Ethan's Tech
21	Pawar Saurabh Dattatray	M.Sc. (Computer Science)	Genus IT Solutions
22	Karande Ketaki Dilip	M.Sc. (Computer Science)	GTL Software Pvt.Ltd.
23	Jadhav Shweta Rajendra	M.Sc. (Computer Science)	HARBINGER System Pvt. Ltd.
24	Pawar Bhagyashree Ananta	M.Sc. (Computer Science)	HARBINGER System Pvt. Ltd.
25	Khandve Apurva Subhash	M.Sc. (Computer Science)	Humming Byte Technologies Pvt Ltd
26	Patil Tejas Jitendra	M.Sc. (Computer Science)	Hummingbyte Pvt. Ltd
27	Jadhav Manali Manojkumar	M.Sc. (Computer Science)	Hummingbyte Technologies
28	Mahajan Nishad Somnath	M.Sc. (Computer Science)	Idealocan Technology
29	Bhosle Neha Ravindra	M.Sc. (Computer Science)	Infosys Limited
30	Gole Rutuja Dnyandeo	M.Sc. (Computer Science)	Infosys Limited
31	Jadhav Sourabh Krishnat	M.Sc. (Computer Science)	Infosys Limited
32	Pabshetwar Akash Rajkumar	M.Sc. (Computer Science)	Infosys Limited
33	Kadambari Deepak laver	M.Sc. (Computer Science)	Jijau IT solutions and services
34	Bhagwat krutika Prashant	M.Sc. (Computer Science)	Mapsoft Solutions pvt.Ltd
35	Sonawane Onkar Ramesh	M.Sc. (Computer Science)	Max Secure Pvt. Ltd.
36	More neha santosh	M.Sc. (Computer Science)	Millicurie Healthcare llp
37	Borkar Shesha	M.Sc. (Computer Science)	Moolya Software Testing
38	Badave Manasi Sunil	M.Sc. (Computer Science)	Nexa Software Pvt Ltd
39	Gaikwad Omkar Jalindar	M.Sc. (Computer Science)	Nuevas Technologies Pvt. Ltd
40	Akshada Balasaheb Abnave	M.Sc. (Computer Science)	Nuevas Technologies Pvt. Ltd
41	Mengade Mrunmayee Sunil	M.Sc. (Computer Science)	Nuevas Technologies Pvt. Ltd
42	Dhadge Hrishikesh Sachin	M.Sc. (Computer Science)	Pawar Tech Services Pvt Ltd
43	Somwanshi Prachi Manojkumar	M.Sc. (Computer Science)	Pawar Tech Services Pvt Ltd
44	Shinde Kunal	M.Sc. (Computer Science)	Pawar Tech Services Pvt Ltd
45	Patil Poonam Krishna	M.Sc. (Computer Science)	Revature
46	Dillord Komal Shishpal	M.Sc. (Computer Science)	SG Enterprises
47	Patil Devyani	M.Sc. (Computer Science)	Smartnet Software Pvt Ltd
48	Raut Abhishek Vikas	M.Sc. (Computer Science)	Smartnet Software Pvt Ltd

49	Kapadnis Tejaswini Anil	M.Sc. (Computer Science)	Softcrowd Technology Pvt Ltd
50	Suryawanshi Deepak Pravin	M.Sc. (Computer Science)	Softcrowd Technology Pvt Ltd
51	Pawar Akshada Sandeep	M.Sc. (Computer Science)	Splashgain Technology Solutions Pvt Ltd
52	Deshpande Saurabh Makarand	M.Sc. (Computer Science)	Syngenta
53	Dagde Pooja Anand	M.Sc. (Computer Science)	TCS
54	Sohail Nisar Magdum	M.Sc. (Computer Science)	TCS
55	Supekar Pavankumar Nagnath	M.Sc. (Computer Science)	TCS
56	Alhat Rutuja Nandkumar	M.Sc. (Computer Science)	Tech Mahindra
57	Borhade shraddha Vilas	M.Sc. (Computer Science)	Think Quioent Software Pvt Ltd
58	Adsul shreyas Deepak	M.Sc. (Computer Science)	Travo Planner
59	Gokhale Mayur	M.Sc. (Computer Science)	Travo Planner
60	Adesh Dawange	M.Sc. (Computer Science)	Travo Planner
61	Jadhav Manjushree Madhukar	M.Sc. (Computer Science)	Webhub Technology
62	Botre Pragati Ashok	M.Sc. (Computer Science)	YBI Foundation
63	Gurme Vaishnavi	M.Sc. (Computer Science)	YBI Foundation

Department of Computer Science (Academic Year 2021 – 22)
M.Sc. (Computer Application) Year II
Placement Cell

Sr. No.	Name of Student placed	Program graduated from	Name of the employer
1	Bhosale Nidhi Vikas	M.Sc. (Computer Application)	Accenture / Webalar Website Developers
2	Jadhav Adesh Sanjay	M.Sc. (Computer Application)	Angelsoft Pvt Ltd
3	Wakale Deepak Fulchand	M.Sc. (Computer Application)	Angelsoft Technology Pvt.Ltd.
4	Chavda Divya Mansukh	M.Sc. (Computer Application)	Ashore Systems Pvt. Ltd.
5	Bote Swati Tanaji	M.Sc. (Computer Application)	Cognizant
6	Gore Govind Tanaji	M.Sc. (Computer Application)	DIGIPATH LLP
7	Patil Madhuri Ravindra	M.Sc. (Computer Application)	GTL Software Pvt Ltd
8	Dhaybar Dhanshree Sumit	M.Sc. (Computer Application)	GTL Software Pvt Ltd
9	Gaikwad Vishakha Mahendra	M.Sc. (Computer Application)	GTL Software Pvt Ltd
10	Naik Nirant Rahul	M.Sc. (Computer Application)	Ideate Systems India Pvt.Ltd
11	Biradar Datta Suresh	M.Sc. (Computer Application)	ITShastra India Pvt Ltd
12	Meshram Manish Hokatu	M.Sc. (Computer Application)	Maharashtra & Goa GDC Survey Of India
13	Gawade Vishwa Padmakar	M.Sc. (Computer Application)	Neeta Tech Pvt Ltd
14	Pandharkar Sanket Ramesh	M.Sc. (Computer Application)	Neeta Tech Pvt Ltd
15	Paygude Jay Dadasaheb	M.Sc. (Computer Application)	Neeta Tech Pvt Ltd
16	Zope Anuja Tushar	M.Sc. (Computer Application)	Nuevas technology private limited
17	Patil Gunashri Suresh	M.Sc. (Computer Application)	Nuevas Technology Pvt Ltd

18	Kalekar Shreya Vinod	M.Sc. (Computer Application)	QA Mentor
19	Chavan Onkar Ashok	M.Sc. (Computer Application)	SGMS Infotech
20	Nikam Pranav Pradeep	M.Sc. (Computer Application)	SGMS Infotech LLP
21	Bhosale Vinay Anil	M.Sc. (Computer Application)	Simplifai Cognitive Services
22	Nandan Rushikesh Ashok	M.Sc. (Computer Application)	Spread It Guru
23	Bhosle Chetan Ramesh	M.Sc. (Computer Application)	Tata Consultancy Services
24	Parite Deepali Ganesh	M.Sc. (Computer Application)	Technogeeks
25	Pawar Soham Sandeep	M.Sc. (Computer Application)	Vereigen Media
26	Jadhav Nikhil Purushottam	M.Sc. (Computer Application)	Vizitech Solutions
27	Gite Puja Rajendra	M.Sc. (Computer Application)	Vizitech Solutions (FTBC)
28	Deshmukh Prachi Shashikant	M.Sc. (Computer Application)	Web Soft IT Solution
29	Pardeshi Ashish Ganesh	M.Sc. (Computer Application)	Web Soft IT Solution
30	Rote Rohit Anil	M.Sc. (Computer Application)	Web Soft IT Solution

Following Students are Selected in the various MNC's

Sr. No.	Name of Student	Company Name
1	Akshay Lade	Infosys
2	Suraj Pawar	Vizitech Solutions Pvt. Ltd.
3	Piyush Kumkar	Vizitech Solutions Pvt. Ltd.
4	Piyush Wankar	Vizitech Solutions Pvt. Ltd.
5	Tejas Sumbare	Wipro
6	Rohan Pandit	Capegemini

MSc. Biotechnology 2021-22 Placement Record

MSc. Biotechnology 2021-22 Placement Record			
1	2021-22	Kalyani Pillay	PES's Modern College, Ganeshkhind, Pune-16
2	2021-22	Revati Lakhe	Springer Nature
3	2021-22	Rupali Thakur	MyLab Discovery Solutions Pvt. Ltd. info@mylabdiscoverysolutions.com
4	2021-22	Suraj Patil	PES's Modern College, Ganeshkhind, Pune-16
5	2021-22	Pramod Barathe	PES's Modern College, Ganeshkhind, Pune-16
6	2021-22	Sanskruiti Kadam	Springer Nature
7	2021-22	Mustafa Inamdar	Decode Age, Bangalore
8	2021-22	Jemimah Moses	Transperfect Solutions India Pvt. Ltd., Aundh, Pune
9	2021-22	Rujuta Jadhav	Transperfect Solutions India Pvt. Ltd., Aundh, Pune

**Placement report (2021-2022)
STUDENT PROGRESSION**

Sr. No.	No of students Enrolling to higher Education	Program graduated from	Dept graduated from	Name of institution joined	Name of program admitted to
1	Nidhip Joshi	B.Sc Zoology	Zoology	Symbiosis International University	M.Sc. Biotechnology
2	Ruchita Bhosale	B.Sc Zoology	Zoology	Modern College , Ganeshkhind	M.Sc. Zoology
3	Baby Noor	B.Sc Zoology	Zoology	Modern College , Ganeshkhind	M.Sc. Zoology
4	Roohi Noor	B.Sc Zoology	Zoology	Modern College , Ganeshkhind	M.Sc. Zoology
5	Dhaanashri Swami	B.Sc Zoology	Zoology	Modern College , Ganeshkhind	M.Sc. Zoology
6	Pornima Yadav	B.Sc Zoology	Zoology	Modern College , Ganeshkhind	M.Sc. Zoology
7	Trishala Kharat	B.Sc Zoology	Zoology	Modern College , Ganeshkhind	M.Sc. Zoology
8	Taneeshi Kotwal	B.Sc Zoology	Zoology	Australia	M.S.
9	Supriya Dedge	B.Sc Zoology	Zoology	Dept. of Anthropology, SPPU	M.Sc.
10	Vaishnavi Gaikwad	B.Sc Zoology	Zoology	Modern College, Ganeshkhind	M.Sc. Zoology

STUDENT PLACEMENT

Sr. No.	Name of students	AADHAR	Name of Employer and contact details	Package
1	Mithila Chinchalkar	426417409933	Modern College, Ganeshkhind	16,000pm
2	Yash Nikam	8638 1278 7171	Prof. Ramkrishna More College, Akurdi	10,000pm
3	Neha Mane	332617865613	Augustus Healthcare	19,000pm
4	Chetan Choudhary	472200732296	Allen's Instiutute	35,000pm
5	Bhavna Singh	235939793177	Radcliffe International	17,500pm
6	Priya Sharma	387780572381	H. V desai college	16,000om
7	Sayali Mandhare	425008252643	Y. M. College, Erandwane	10,000pm
8	Alfiya Attar	763234647679	Paraexel International Services	31,000pm
9	Pooja Pathak	244959971592	Olympia National School, Pune	6500pm

B.Voc (Food Processing Technology)

Pre placement activity - Guest lectures 2021-22

Guest Lectures Conducted:

The guest lecture of Dr. Anup Kulkarni, Director, Ignitio Zealous Academy on Study abroad was arranged for F. Y. B.Voc, S.Y.B. Voc. and T. Y. B. Voc. students on study skills on 4/01/2022, Saturday, at 3.00pm to 4.30pm at online mode via Google meet. Total 76 students attended the lecture.

We had also taken the feedback on Google forms. The lecture was very useful and interactive and students gain knowledge which will be very helpful for them in their future studies for study abroad. Every year B. Voc. Food Processing Technology Department students went for their Master's Degree in various Universities.

Sr. no.	Title	Speakers	Target Class	Duration and Dates	No. of Beneficiaries
1.	Study Abroad	Dr. Anup Kulkarni	F.Y., S.Y., T.Y.	4 th January, 2022	76



PES's Modern college, ganeshkhind, Pune 16
Department of commerce Placement Cell Report 2021-22

1. Placement cell activities

The off campus drives for training and placement by SKP and edubridge solutions with the collaboration of Citi Bank was arranged in the month of January for the Business correspondent and felicitator Job profile. It was for S.Y. and T.Y.B.Com. students under Banking and Finance Sector. The interview was given by 54 students. The campus drives and activities were co-ordinated by Dr. Shraddha Awasare (Coordinator-placement cell-Dept. of commerce).

• Training programme

Following is the List of selected students for training and placement in year 2021-22 training by Citi Bank for the job position of "Certified Business Correspondent & Business Facilitator"

Sr.No.	First Name	Last Name	29	Sandip	Sakharam Zende
1	Yadav	Neelam Ramakant	30	Guddi	Imamuddin Ansari
2	Sagar	Ashok Karvande	31	Nitin	Narayan Thorbole
3	Gund	Aarti Deepak	32	Pratiksha	Dhanepkar
4	Pradnya	Bharat Gaikwad	33	Bhor	Priyanka Machchhindra
5	Snehal	SureshWalake	34	Nurafshan	Khaiyumpasha Sayyed
6	Ankita	Chandrakant Rote	35	Kalyani	Yashob Tijore
7	Kuldeep	Narendra Pragane	36	Hiraman	Mohite
8	Sanjana	Jagannath Suryawanshi	37	Panchal	Ajaykuma Gajanan
9	Shivani	Vaman Sutar	38	Manoj	Patil
10	Sanchita	Laxman More	39	Bhagyashri	Dattaram Pophalkar
11	Vishakha	Shankar Khamitkar	40	Khizer	Ishaque Siddiqui
12	Rasika	Shivaji Satkar	41	Landge	Shraddha Prakash
13	Shubham	Balaji Kaile	42	Priyanka	Dilipsingh Rao
14	Kajal	Ananda Patil	43	Arun	Virendra Kshirsagar
15	Utkarsha	Shivaji Katkar	44	Waghamare	Swati Ravsaheb
16	Nikita	Shesherao Bande	45	Pooja	Rajendra Pardeshi
17	Aishwarya	Desai	46	Pranali	Mehetre
18	Kanse	Pradip Kishanrao	47	SAKSHI	kokate
19	Seema	Kadam	48	bharti	Jairam
20	Aasma	Begam Salauddin	49	Sonawane	Kusum Shivaji
21	Nikita	Dilip Kadam	50	Bhagyashri	Shesherao Suryawans
22	Shaikh	Sadaf Arif	51	Prateek	Bhawar
23	PITALE	Akash Asaram	52	Mansi	Bhopale
24	ABHISHEK	RAMESH HENDRE	53	Deepak	Vishwkarma
27	Manish	Singh	54	Sanjog	Purohit
28	Abhishek	Tanwar			

• Placement drive

The placement drive named "JOB UTSAV" was conducted on 13th January 2022 by Mahindra Pride classroom under Nandi foundation. This drive is initiated by IQAC and co-ordinated by IQAC and placement cell. The drive started with inauguration at 10.00 am and concluded at 5.00 pm. Total 17 students have been placed in the placement drive.

• Pre-placement activity

The Pre placement activity named "Skill Capsule" have been arranged for the students who have registered in above placement drive by Nandi Foundation under "JOB UTSAV"

Day and	Time	Topics	No. of students
13 th January 2022	11.00 to 12.00 1 st Batch 12.00 to 1.00 2 nd Batch 1.00 to 2.00 3 rd Batch	<ul style="list-style-type: none"> • Interview Techniques • CV Writing • Soft Skills • Presentation Skills 	40 students Per Batch

• Companies approached for placement opportunities

Following companies have been approached for the placements and placement opportunities have been communicated to the students.

Name of Company/institution	Job Position
ICICI Prudential life Insurance	Sales Executive
TCS	BPS
L and T Finance	Sales executives
SKP and Edubridge	Various Positions have been offered

Department of Microbiology Placement Cell Report 2021-22
• Placement Activities:
1. Campus Drive

- A Campus selection drive was organized by Placement cell of Department of Microbiology for Pratap TexChem Pvt. Ltd.
- Selection process included Aptitude Test and HR Interview Round.
- Total 21 candidates from Microbiology, Chemistry and Biotechnology departments participated in the drive.
- Out of 21 students 10 students were shortlisted for the final round of interview (to be conducted at

Industry location).

- Students got real experience of the interview process.

2. Off-campus Placements

Off-campus placement initiative was initiated by departmental placement cell. Under this initiative, CVs of eligible students were shortlisted and forwarded to Following Companies:

1. Serum Institute of India Pvt. Ltd
2. Micron HVAC Pvt. Ltd
3. IMAEC Ltd.

Sr. No.	Name of Student	Industry/ Organization	Placement Mode
1	Akshay Mane	Serum Institute of India Pvt.Ltd	Departmental Placement Cell
2	Shovik Mal	Serum Institute of India Pvt.Ltd	Departmental Placement Cell
3	Pawandeo Baradkar	Serum Institute of India Pvt.Ltd	Departmental Placement Cell
4	Pooja Darekar	Micron HVAC	Departmental Placement Cell & Alumnus
5	Sumedh Kamble	Naprod Life sciences Pvt.Ltd.	Self
6	Kadam Saurabh	Allscripts Healthcare	Self
7	Arati Sutar	Haldirams Foods International Private Limited Nagpur (Hadapsar Pune)	Self
8	Pragati Pawar	Augustus Healthcare India LLP	Self
9	Vaibhav Shelke	National institute of virology	Self

• Student Progression

Following PG students have taken admission to MS programmes or Internships at the foreign Universities

Name of Student	Year of Passing M.Sc.	Type of Programme	University
Stutee Panse	2020-21	Internship	Amgen Inc, California
Rucha Joshi	2020-21	MS (Pharmaceutical Sciences)	Wayne State University, Michigan
Janhavi Lele	2021-22	MS Biotechnology	State University of New York

Dr. Satish Ambike
Placement Co-ordinator

VIDYARTHINI MANCH

Nirbhay Kanya Abhiyan for Girls Students
(Virtual Program on MS-Teams Platform)

Modern College of Arts, Science and Commerce every year conducts a diversified program and takes initiative in women empowerment through the platform Vidyarthini Manch. Modern College of Arts, Science and Commerce, Ganeshkhind Pune and Board of Students Development, Savitribai Phule Pune University Pune has jointly organized Nirbhay Kanya Abhiyan: Virtual Program on Microsoft Teams Platform for girl students in the Academic year 2021-2022. The main objective of this program is to increase the self-power awareness and Digital Financial Literacy Awareness of girls. This program was open to all girl students of Modern College, Ganeshkhind. In this regard following sessions were conducted.

Event details.

26th February 2022, 10:30 to 12:30 pm

**1st Session: Digital Financial Literacy Awareness
(By Mrs.Varsha Shinde)**

2nd Session: स्त्री-तू शक्ती दाईनी (By Mrs.Anuja Patil)

At the beginning of the session Dr. Satish Ambike ,Coordinator Vidyarthini Manch given welcome speech and information about Vidyarthini Manch activities organized till date, Dr. Sandeep Sanap talked about functioning of Board of Students Development in College and Dr.Sanjay Karat, Principal ,Modern Colleges shared his views about program and given information about college functioning.

The First session was started by Mr.Varsha Shinde (Reputed Cyber Security Facilitator-Cyber Security batch Microsoft funded Woman's special batch with Tata Strive-Pune) in this session, she talked about cyber treats related to digital banking and credit cards also given idea about Cybercrimes, Cyber Law and what precautions girls have to take in their day today life while performing banking transactions. She also discussed case studies related to cyber frauds. Many girls had participated with their personal queries and

discussed with the speaker and received guidance from the Mr.Varsha Shinde .

The Second Session was started by Mrs. Anuja Patil (Counselor-Bharosa Cell, Commissioner office, Pune) in this session, she talked about self-power to become nirbhaya with students and the girls were informed regarding increase of violence cases in women. She also discussed case studies related to women's violence, given idea about Damini Pathak, working and objectives of Bharosa cell and Damini Pathak. Mrs. Anuja patil madam also shared helpline number (1091) and process to register complain to Mahila sahayak kaksha with girls students. This helped in increasing the awareness among the girl's students about how they could prevent their self in future if needed and how these cells would help them. Both speakers explained and shared their valuable inputs with the girls about Digital financial Literacy Awareness and स्त्री-तू शक्ती दाईनी for their future benefits. At the end of the Program Question Answer session was handled by Ms. Suwarna Mhasekar, Coordinator Vidyarthini Manch, Modern College, Ganeshkhind, Pune.

Approximately 146 girl's students were participated in this Virtual program through Microsoft Teams Platform.

All these programs were successfully carried out under the able guidance of Hon. Principal Dr. Sanjay Kharat , Dr.Sandeep sanap, College BSD Program officer and financial support of Board of Student Development, Savitribai Phule Pune University, Pune. These programs were well organized by M/S Suwarna Mhasekar, (Coordinator Vidyarthini Manch), with the help of technical support team of college and other committee members including M/S Meenal Jabde, M/S Jyoti Acharya. The comparing of the program and vote of thanks was done by Ms. Suwarna Mhasekar .

Virtual Program Link: <https://bit.ly/33HscT9>

Some Glimpses of the Program are as follows:

Ms. Suwarna Mhasekar
Co-ordinator



COMPETITIVE EXAM GUIDANCE CELL

Annual Report of Competitive Examinations Guidance Cell (CEGC)

2021-22

The Competitive Examinations Guidance Cell has arranged following activities in the year.

Guest Lecture : 5th October 2021

An online Guest Lecture on “Challenges in Competitive Examinations” by Mr. Sharad Patil from Unique Academy, Pune was arranged on 5th October 2021 at 10.00 am.

Sir thoroughly made the students aware about the various competitive examinations and the posts available through them. He made students aware about the challenges while appearing for any competitive exam. Sir guided the students regarding the planning, preparation and execution of various examinations. Total 91 students were present for the lecture from all faculties.

Guest Lecture : 24th November 2021

An online Guest Lecture on “Opportunities and Challenges in MPSC and UPSC” By Mrs. Shruti Mehta was arranged on 24th November 2021 at 4.00 pm. It was very motivational lecture.

Mam made the students aware about the pattern and difference about MPSC and UPSC. She guided the students regarding the planning, preparation and execution of various examinations. She also informed the students about the various study material required for the examinations.

Total 45 students were present for the lecture from all faculties.

Career Katta Flex Inauguration: 21st December 2021

Ministry of Higher and Technical Education, Government of Maharashtra, Maharashtra Information Technology and support Centre has organized Career Katta program all over the state.

The flex of Career Katta was inaugurated at the hands of Dr. Sanjay Kharat.

On this occasion Principal guided the students about the career opportunities through different Competitive Exams. He also informed the students about the career opportunities in business.

Competitive Examination Guidance Cell coordinator Mrs. Jayshree Jain briefed about the activities of Career Katta and the process of registration.

The Career Katta coordinators Mr. Motilal More (IAS aaplya bhetila) and Dr. Jyoti Joshi (Udyojak aaplya bhetila) gave information about the respective activities and made students aware about the benefits of all activities.

Career Katta online registrations through MITSC app was started after this.

Guest Lecture: 9th February 2022

An online Guest Lecture on “Job opportunities in Government/Public sector”

by Ms. Roselita Biswal from Experts corner Academy, Mumbai was arranged on 9th February 2022 at 11.00 am. Mam made the students aware about the exams requires for jobs in government sector. She guided the students to enhance the skills like Communication, Presentations.

Total 49 students were present for the lecture from all faculties.

Guest Lecture: 17th February 2022

Under Udyojak aaplya bhetila, an online Guest Lecture on “The path of successful Businessman” by Mr. Anand Parchure, Managing Director and Co-Founder of Parchure Engineers Pvt.Ltd., Pune was arranged on 17th February 2022 at 11.00 am. He is alumni of the college.

He guided about the skills to be incorporated among our self to become a successful businessman. He elaborated on different business ideas. His guidance influenced the students.

Total 263 students were present for the lecture from all faculties.

One day Workshop: 21st February 2022

An online workshop on “Jagar Career Kattacha” by Mr.

Yashwant Shitole, Director, MITSC was arranged on 21st February 2022 at 9.00 am.

Mr. Yashwant Shitole guided about the career katta and all its activities in detail . He informed about the activities like ' IAS aaplya bhetila' , 'Udyojak aaplya bhetila' , 'Sanvidhanache parayan' , Credit courses.

Benefits of each activity was discussed with the students.

Total 225 students were present for the lecture from all faculties.

One Day District Level Workshop : 19th April 2022

Title: "REFORMS IN CAREER KATTA AND ITS BENEFITS IN NAAC ACCREDITATION"

Dr. Shrikant Deshmukh, career Katta coordinator of Pune division introduced about the theme and need of the workshop.

Mr.Yashwant Shitole, Director, MITSC guided about the reforms in career katta and all its activities in detail . Sir informed about the changed pattern of career katta. He informed about the activities like ' IAS aaplya bhetila' , 'Udyojak aaplya bhetila' , 'Sanvidhanache parayan' , Credit courses, Incubation Cell , skill Development Center ,Voice care workshop for teachers . He notified that all these activities will contribute to around 222-240 marks in NAAC Accreditation.

Principal Dr. Sanjay Kharat guided on how to include the career katta activities in the seven Criteria and how to get maximum benefits in NAAC. Sir also guided on how the career katta activities can help to answer the questions on experiential learning ,Cross-cutting issues, Internships, Financial assistance for workshop of Staff,etc.



Dr. Kirankumar Bondar, Joint Director(Higher Education),Pune guided on importance of teacher's role in overall development of students. Sir also talked on the importance of career katta and its benefits in various Accreditation processes.

Dr. Rani Shitole, career Katta coordinator of Pune gave the information about the daily activities conducted under career katta and its contribution in the social development of the students.

Total 106 participants were present for the workshop, which included

9 - Principals , 1- Vice Principal , 9- IQAC Coordinators and 87- Career Katta coordinators from 57 colleges in Pune district.

Guest Lecture: 4th May 2022

A Guest Lecture on " Psychological Preparations for MPSC " by Dr. Smita Kulkarni was arranged on 4th May 2022 at 10.00 am.

Sharing her experience as an officer, she made the students aware about the Actual role of an officer on duty. Giving examples she taught How we should Be psychologically strong? And also how to face and tackle the different problems in their work. She influenced the students by her talk and activity.

Total 127 students were present for the lecture from all faculties.

Committee Members Dr. Jyoti Joshi , Prof. Motilal More , Prof. Chhaya Abnave and Prof. Govind Kamble participated actively in conducting all the above mentioned events.

Mrs. Jayshree Jain
(Co-ordinator CEGC)



THE GREAT INDIAN BOOK TOUR EVENT

INAUGURATION - 6th April 2022

The Department of English, Progressive Education Society's Modern College of Arts, Science and

Commerce, Ganeshkhind organized a three-day book tour event in collaboration with the Central Library from the 6th to the 8th of April 2022. The grand event

witnessed the assembly of upcoming writers and poets from different fields under one roof.

This three-day event was inaugurated by Principal Dr. Sanjay Kharat in the presence of Organizer and Director of The Great Indian Book Fair Mr. Prashant Gupta, Members of Progressive Education Society's, Joint Secretary Prof. Suresh Todkar, Deputy Secretary Dr. Prakash Dixit Vice-Principals; Dr. Jyoti Gagangras, Dr. Shubhangi Joshi, the Head of the English Department and coordinator of the The Great Indian Book Tour Dr. Shampa Chakravarthy, and librarian Dr. Sangeeta Dhamdhere.

Speaking on this occasion Librarian and Coordinator Dr. Sangeeta Dhamdhere of the Great Indian Book Tour spoke about the objectives of the three-day event. Further she said the event brought the reading public and writers in one platform to facilitate dialogue and interaction on different social, technical, and informative topics. She also informed about the three-day book exhibition planned for all the visitors, teachers, and students at the College.

During the inauguration Head of the Department of English and Coordinator of the The Great Indian Book Tour expressed her delight to host this three-day event. She commented that student volunteers from all faculties of the College had come together to organize this book tour event and Modern College Ganeshkhind is the first College in Maharashtra to host this function.

On this occasion English Department released the sixth volume of the in-house journal *Odyssey* at the hands of the Principal Dr. Sanjay Kharat. The theme of the journal was – a Japanese concept 'Kintsugi' – The art of finding beauty in imperfections. Speaking about the release, HoD Dr. Shampa Chakravarthy proudly said that the release of the journal got a fitting platform to showcase students' efforts and creative skills. She also praised the Student Editorial committee for their relentless efforts.

The principal addressed the audience with his encouraging words of wisdom and spoke about the importance of reading, writing and research which is essential in refining ideas, views, and knowledge. He also appreciated the students editorial committee of *Odyssey* to bring out the journal successfully.

The organizer and director of the Great Indian Book Fair Mr. Prashant Gupta thanked the College to host the event.

The inauguration ceremony was compered by Dr. Deepanita Bhanja, and vote of thanks was delivered by Dr. Sandeep Sanap.

DAY 1 - 6th April 2022

The inauguration was followed by interactive sessions

of guest writers, authors, and poets, which were moderated by students and teachers of the college.

The first session was with Mr. Deepak Srivastava, author of the book *A Love So Special*. This session was moderated by a student of second year B.A. English Specialisation, Roma Chiplunkar. The writer expressed his views on the various shades of love and relationships he has tried to depict in his novel. The audience also interacted with the author with some interesting feedback.

The second session was with Mr. Vikash Goyal which was moderated by Assistant Professor of the English Department, Mr. Jitender Kumar. During the session Mr. Goyal spoke about his novel *The Other Side of Smoke*. He believed that nature influenced and impacted his mind a lot which reflected in his writing.

The next session was with Hindi poetess Ms Aishwarya Tiwari, This session was moderated by Dr. Megha Deshpande. The poetess read out some of her favorite lines from her collection of poetry. During the interaction she expressed how ordinary people and things around her motivate her to write and express through poetry. She also talked about the influences of Urdu language in her medium of expression.

The last session was with another Hindi poet Mr. Vinod Kumar. The session moderator was another writer Mr. Unmesh Mohitkar. Teachers and students present during the session interacted with the writer and shared their experiences on writing on different themes.

The day concluded with an interactive workshop on Experimental Poetry conducted by poet Safeer Bhola. He was introduced by Vandhya Iyer, a student in the third year of B.A. English Specialization. Mr. Safeer Bhola interestingly engaged all the students in writing and narrating their own composition. He also gave some ideas to develop a pattern of writing new age Hindustani poetry.

Day 2 - 7th April 2022

The second day of the event commenced with *Light, Shadow, Life – The Missing Verse of Soul* a book of poetry written by poet, Mr. Unmesh Mohitkar. The session was moderated by Shivangi Naik, a student of MSc from Microbiology Department. The session had some interesting interaction on the journey of writing and how thoughts and ideas inspire to write.

For the second session we had yet another poetess, Dr. Pragya Bajpai who gave an insight into her journey in writing her book of poetry, *A Potpourri of Proverbs*. Her session was moderated by Shruti Jadhav, a student of second year B.A. English Specialisation. Dr. Bajpai shared her experiences of teaching poetry to the

students who are going for armed forces and also expressed her purpose of choosing proverbs as a medium of her creative writing.

The third session with the author of *No Matter Where You Are*, Mr. Shantanu Sharma; was moderated by Amulya Parab, a student of third year BSc. Microbiology. Mr. Sharma in his friendly conversation talked about the instances of love and relationships he experienced and inspired to experiment with writing.

The fourth session was a turn into the educational side of writing by the author Dr. Hemali Joshi. She was introduced by TYBSc Biotechnology student Shivanjali Yadav. The session was moderated by Assistant Professor of Biotechnology Department Dr. Uttara Oak. Dr. Hemali Joshi explained the objectives of writing the book *Activity Based Learning and Innovative Teaching Aids*. She said how students need a modern approach of learning subjects through innovative methods. She shared her experiences and challenges she faced as a teacher of science. Teachers of the college found the session helpful and insightful.

The final session was by Ms. Senorita Joyce, a motivational speaker and an author of *A Potion for the Wise*; moderated by Roma Chiplunkar, a student of second year B.A. English Specialisation.

The day ended with *The Great LiTreasure: Unleash the Writer in You*, a fun-filled workshop addressed by the writer, Mr Chetaan Joshii. He was introduced by Shruti Jadhav, a student of second year B.A. English Specialisation. Mr. Joshi engaged the participants in framing plot, character and action of a story. The session was enjoyed by all the participants. Students from D.Y.Patil College and Modern College, Shivajinagar, Pune also participated in the workshop

8th April 2022- Day 3

The final day of the event began with the launching of a new book, *We're So H@cked* by Mr. Gautam Mayekar. The novel was released at the hands of the Principal Dr. Sanjay Kharat. This session was moderated by Kashish Arora, a second-year student of B.Com. Author Gautam

Mayekar shared his thoughts about cyber security and cyber crime on which his novel is based. The audience was engaged in interesting conversation on ethical and unethical hacking that happens in the present scenario.

The next session was of Mr. Chaitanya Desale who is the author of the book, *Farther*. The session was moderated by Gloria Rocha, a third-year BSc. Microbiology student. The writer spoke about his journey of writing and also explained his experiences that helped him to shape his ideas for the plot of the novel.

The third session was with Mr. Aadhar Kothare, the author of the book *Unfinished* which was moderated by Sakshi Joshi, a third-year student of BSc. Microbiology. Here again the writer spoke about his book and his love for writing on modern subjects and issues.

The entire event concluded with the last workshop *Visual Tales - Writing for Cinema and Web Series* coached by Mr. Chetaan Joshii. The participants were enthralled by the vivid description of scriptwriting and screenplay writing explained by Mr. Joshii. Around 22 students along with a teacher were present for this workshop.

The audience could get a copy of the above-mentioned books and many more at affordable prices at the Bookfair which was arranged on the college campus for all three days along with the event.

The three-day event was highly insightful and interactive for all the students. The occasion proved to be a great opportunity for the students coming from various academic backgrounds to explore the world of literature. Students expressed their interest by participating and engaging in a dialogue with the writers. The Great Indian Book Tour Event was yet another successful event organized by Modern College of Arts, Science and Commerce, Ganeshkhind this year.

Dr. Shampa Chakravarthy,
Dr. Sangeeta Dhamdhare
Co-ordinator





Yuva Saptah 2022

Every year Modern College ganeshkhind celebrates birth anniversary of Swami Vivekanand as National Youth Day. Our college held various competitions under this as Yuva Saptah. Objective of Yuva spatha is to strengthen the extra-curricular, co-curricular skills among college students (Yuva) and staff member. The competitions are Mehendi, Poetry Reading, Elocution, Rangoli, Caption context, Psychology quiz, e-poster, Handwriting, Kaun Banega History Scholar, Writers Unboxed. This year also all the competitions under Yuva Saptah were conducted in virtual mode. This year total 696 students have participated in Yuva Saptah 2022. With the help of Google form, G-Suit, website, whatup up email, all notices, schedules, links for competitions, conductions of competitions, results of competitions were displayed and communicated to all students. The Writers' Unboxed competition was conducted on 10th Jan 22. Dr. Shampa Chakravarthy and her team was coordinated for this competition. The Theme for competition was 'That which does not kill us makes us stronger'. This competition is organized to motivate and encourage creative writing among students. This year total 31 students participated in the competition. The Rangoli competition was held on 11th jan 22. Prof. Vaishali Randive and her team members were worked for this competition. The theme for this competition was India in Past, Present, and Future, Portraits of

Freedom Fighter, Unity in Diversity, and Indian Festivals. Dr. Manjusha Kulkarni and Mrs. Varsha Joshi worked as judges for this competition. Total of 104 students enrolled from various departments of our college.

The competition Master Mind (Psychology Quiz) were held on 10th jan 22. Dr Sadhana Natu, Nashome Castro and their team members were coordinated for this competition. Total 80 students were participated for this competition. The e-poster competition was held on 11th jan 2022. Prof. Suwarna Mhasekar and her team members were worked for this competition. The topics was Digital India, Cryptocurrency, Green India# electric vehicle, India after 75 years of Independence. Dr.Gauri Kopardekar, were worked as judge for this competition. Total 7 students were participated for this competition.

The Poetry Reading competition were held on 11th jan 2022. Dr.Sanskriti Awalgaonkar and her team members were coordinated for this competition. Dr. Shampa Chakravarthy and Dr. Ashwini Kulkarni were worked as judges for this competition. Total 41 students were participated. The Mehendi competition were held on 8th jan 2022. Prof. Anuradha Bhamidi and her team members were worked for this competition. There were 46 students were participated. The Handwriting competition were held on 10th jan 2022. Prof. Shamal Deshmukh and her team members were coordinated for this competition. Prof. Varsha

Joshi were worked as judge for this event. Total 304 students were participated for this competition. The Elocution competition were held on 08th jan 2022.

Dr Pooja Rana and her team members were coordinated for this competition. The Topic was women empowerment in 21st century, Role of youth in Nation Building, Mental & physical health in current scenario, Raising marriage age for women-Is it a right move?. Dr Shampa Chakraborty, Dr Savita Sabnis and Dr. Sanskruti Awalgaonkar were worked as judge for this competition. There were around 26 participants from different classes. The topics were: Role of youth in Nation building, Raising Marriageable age in women-Is it a right move, Women empowerment in 21st century and Mental and Physical health in present scenario. The Caption Contest were held on 08th jan 22. Dr. Deepanita Bhanja and her

committee members were coordinated for this event. Dr. Sandeep Sanap was worked as judges for this event. This year 57 students from all faculties of the college participated in the competition.

Dr. Shweta Sawale from history department delivered a lecture on remembering the legends Rajmata Jijau and Swami Vivekanand on 12 jan 2022 Principal sir Dr. Sanjay Kharat also shared his views on this occasion.. Winners of the competitions were displayed on college website. The e-certificates were distributed for all participants.

I am thankful to all Management authorities and Principal Dr . Sanjay Kharat sir for making all resources available for all competitions from time to time.

Dr. Dipali Meher
(Chairperson Yuva Spatah 2022)

जाणीव उपक्रम



Donation of clothes, Grain, Soaps, hair oil etc to orphan home



Collection of clothes, grains, eatables for Gurululam



At Alandi Ahsram - interaction with children



With Alandi ashram celebrated Diwali festival



Elocution Competition- Yuva Saptah 2022



Rangoli Competition Yuva Saptah 2022



Poetry Reading Competition
– Yuva Saptah 2022



Pathnatya Competition



Felicitation programme - Dr. Savita Sabnis and Dr. Rekha Gupta



Industry, Academia and Alumni Forum (2021-22) Meet.



Vaccination drive at College

30-6-21

राज्यातील तीन महाविद्यालयांना केंद्रीय संशोधन योजनेतून निधी झेवियर्स, रुईया आणि मॉडर्न महाविद्यालयाची निवड

लोकसत्ता प्रतिनिधी

पुणे : केंद्र शासनाच्या वैज्ञानिक संशोधन योजनेत (जेवियर्स, रुईया व मॉडर्न महाविद्यालयांच्या संशोधन योजनेतून निधी देण्यात आली आहे. या योजनेतून निधी देण्यात आली आहे. या योजनेतून निधी देण्यात आली आहे. या योजनेतून निधी देण्यात आली आहे.

राज्यातील तीन महाविद्यालयांना केंद्रीय संशोधन योजनेतून निधी देण्यात आली आहे. या योजनेतून निधी देण्यात आली आहे. या योजनेतून निधी देण्यात आली आहे.

रोजगाराभिमुख अभ्यासक्रमाची निर्मिती

गणेशखिंड येथील मॉडर्न महाविद्यालयाचा पुढाकार

लोकसत्ता प्रतिनिधी

अद्युष्यवय काळात विद्यार्थ्यांना कल्पना देण्यासाठी महाविद्यालयांचे रोजगाराभिमुख अभ्यासक्रमाची निर्मिती करावी लागत आहे. या योजनेतून निधी देण्यात आली आहे. या योजनेतून निधी देण्यात आली आहे.

'पुरुषोत्तम'च्या प्राथमिक फेरीचा निकाल जाहीर

पुणे, ता. १७ : पुरुषोत्तम करंडकाच्या प्राथमिक फेरीची सोमवारी सांगता झाली. या फेरीचा निकालही जाहीर झाला आहे. एकूण नऊ एकांकिकांची अंतिम फेरीसाठी निवड झाली असून, आता २२ व २३ जानेवारी रोजी होणाऱ्या अंतिम फेरीत या संघांमध्ये यंदाचा करंडक पटकावण्यासाठी चुरस रंगेल.

निवड झालेल्या एकांकिकांमध्ये आय. एम. सी. सी., कावेरी महाविद्यालय, प. भू. वसंतदादा इन्स्टिट्यूट ऑफ टेक्नॉलॉजी, बृहन् महाराष्ट्र वाणिज्य महाविद्यालय,

- अंतिम फेरीसाठी निवडलेले संघ (लॉट्सच्या अनुक्रमे)**
- १) वरात : आय. एम. सी. सी.
 - २) सफर : कावेरी महाविद्यालय, पुणे
 - ३) कला ? : प. भू. वसंतदादा पाटील इन्स्टिट्यूट ऑफ टेक्नॉलॉजी, बावधन
 - ४) मंजम्मा पुराणम् : बृहन् महाराष्ट्र वाणिज्य महाविद्यालय
 - ५) एव्हरी नाइट इन माय ड्रीम : श्रीमती काशीबाई नवले अभियांत्रिकी महाविद्यालय, पुणे
 - ६) सहल : पेमराज सारडा महाविद्यालय, अहमदनगर
 - ७) भाग धत्रो भाग : मॉडर्न महाविद्यालय, गणेशखिंड
 - ८) पाणापुरा : अभियांत्रिकी महाविद्यालय, पुणे
 - ९) कॅप्टीट व्हाईड : आबासाहेब गरवारे महाविद्यालय, पुणे

आजकाल वेगवेगळे वेगवेगळे उपकरणे वापरण्यात येत आहेत. त्यामुळे वेगवेगळे उपकरणे वापरण्यात येत आहेत. त्यामुळे वेगवेगळे उपकरणे वापरण्यात येत आहेत.

पंतप्रधान मत्स्य संपदा योजनेअंतर्गत मान्यता गणेशखिंड येथील मॉडर्न महाविद्यालयात मत्स्य विकार निदान केंद्राची उभारणी

लोकसत्ता प्रतिनिधी

पुणे : गणेशखिंड येथील मॉडर्न महाविद्यालयात मत्स्य विकार निदान केंद्र उभारण्यात आले आहे. या योजनेतून निधी देण्यात आली आहे. या योजनेतून निधी देण्यात आली आहे.



मत्स्य विकार निदान केंद्राची उभारणी

मत्स्यविषयक अभ्यासक्रम...

राज्यातील तीन महाविद्यालयांना केंद्रीय संशोधन योजनेतून निधी देण्यात आली आहे. या योजनेतून निधी देण्यात आली आहे.

स्वरलता



* भावपूर्ण श्रद्धांजली *

सबसब ओघळती माळेतून मणी,
झरझर सरती मनी आठवणी,
आठवाचे मोती एकटे एकले,
परि दरवळ दाटे उमलती फुले,
आठवाची फुले सदा प्रफुल्लीत,
पाकळी एकेक जणु जपती गुपित,
सुगंध पसरवे तसे ओघळे गुपित,
आठवाचा फाया मनाच्या कुपीत,
विस्राव्याच्या क्षणी सुगंधा उधाण,
चित्या मनी दाटी, भावनी उफाण,
आठवाच्या मोत्यांची न्याशीच तकाकी,
चित्ती माळ झाली तरी मनात लकाकी,
षड्ज विषभाची पालखी चालली,
गंधाराचा गोंडा मध्य धैवत भोई,
निषादाची वाट अंधारी लोपली,
रत्न हरपले सुरावट सुनी झाली,
ओघळले स्वरमोती प्रस्थान होता,
तरी माळ सुरेलच, सूत्र आहे लता...

प्रा. अश्विनी अमित कुलकर्णी
Microbiology

भावपूर्ण श्रद्धांजली



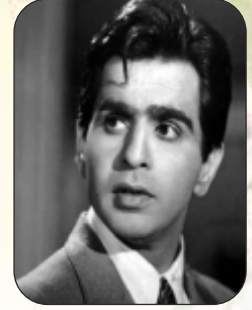
Lata Mangeshkar
(Singer)



Bipin Rawat
Chief of Defence Services



Yashpal Sharma
Cricket Player



Dilip Kumar
(Actor)



Vinod Dua
News Reporter



Rohit Sardana
Indian journalist
and media personality



Pandit Shivkumar Sharma
Santoor Musician



Mr. Rahul Bajaj
Chairman Bajaj Group



Mr. Pandit Birju Maharaj
Famous Kathak Dancer



Mr. Ramesh Deo
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