

Department of Physics

2020-21

1. Departmental Activities

1. An Astronomy Club 'The Astrophiles' was launched on 1/08/2021. Students of S Y and T Y B Sc Physics actively participated in this activity. A website has been launched in the name of Astrophiles. The website is designed and created by Gaurang Potdar of T. Y. B Sc. (Physics)
<https://sites.google.com/moderncollegegk.org/astrophiles/sites.google.com>
Principal Dr. Sanjay Kharat, Vice-Principal Mrs. Swati Kandhakar graced the occasion by their presence and guided the students. Mrs. Varsha Joshi, Head, Department of Physics is the teacher coordinator of this club. Mr. GaurangPotdra, Mr. Pranay Shukla of T. Y. B.Sc. (Physics) worked as student coordinators. Pranay Shukla, Saurabh Singh, Satish Kumar, Madhuri Bhattacharya, Ashwini rana, Mayuri Kadam, Shlok Pillay, Shrutika Dhawale, Varad Bokil and Gloria Rocha contributed in the content development of the website.
2. A certificate course in 'Basic Astronomy' was organized online under DBT STAR College Scheme from 1st February to 5th February 2021. Total 130 students participated in this course. Prof. Mahendra Waghmare was the coordinator of this course. Dr. RakaDabhade, Head, Department of Physics delivered the inaugural Speech. Principal Dr. Sanjay Kharat, Vice Principal Dr. Ravindra Kshirsagar, DBT Coordinator Dr. Vinay Kumar and other faculty members, graced the inaugural function by their presence.
3. A certificate course in 'Basics of Nanoscience' was organized online under DBT STAR College Scheme from 10th February to 13th February 2021. Total 120 students participated in this course. Dr. Pratibha Rao was the coordinator of this course. Dr. Deepti Sidhaye, Department of Physics, Savitribai Phule Pune University, delivered the inaugural Speech. Principal Dr. Sanjay Kharat, Vice Principal Dr. Ravindra Kshirsagar, DBT Coordinator Dr. Vinay Kumar and other faculty members, graced the inaugural function by their presence.
4. A one day workshop on 'Laboratory and Safety and Maintenance' was arranged on 16th January 2021 for the support staff of the college under DBT STAR College Scheme. 40 members of support staff attended the workshop. Mrs. Chhaya Abnave was the coordinator of this workshop. Principal Dr. Sanjay Kharat, Vice Principal Dr. Ravindra Kshirsagar, DBT Coordinator Dr. Vinay Kumar and other faculty members, graced the inaugural function by their presence. Dr. Ashwini Kulkarni, Dr. Manisha Mategaonkar, Prof. Deepak Kumbhar, Mrs. Gayatri Kshotriya and Mr. Yadnyesh Bhosale were the Guest speakers.

5. 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.
6. Parents Meeting- A parents meeting was arranged for parents of F.Y., S.Y. and T.Y.B.Sc. students in January 2021.

2. Staff achievements:

All staff members completed Hands on training of Moodle software for promoting use of technology conducted by Modern College Ganeshkhind, in April -May 2020

Mrs. Varsha Joshi-

1. Presented a poster at the International Conference on Multifunctional Electronic Materials and Processing (MEMP- 2021) organized by Centre for Materials and Electronics Technology (C-MET), Pune from 8th to 10th March 2021 on “Synthesis and Characterization of Fe₃O₄ nanoparticles to study effect of pH and doping for its application in Musical Instruments” and received Best Poster Award for the same.
2. Participated in “An introductory workshop on Virtual Physics Lab” on 8/12/2020 organized by Department of Physics, The National Institute of Engineering, Mysuru

Dr. Pratibha Rao-

1. Presented a poster at the International Conference on Multifunctional Electronic Materials and Processing (MEMP- 2021) organized by Centre for Materials and Electronics Technology (C-MET), Pune from 8th to 10th March 2021 on “Synthesis and Characterization of Fe₃O₄ nanoparticles to study effect of pH and doping for its application in Musical Instruments” and received Best Poster Award for the same.
2. Attended One week Faculty Development Programme on ‘Future Materials: Nanocomposites’ from 15th June, 2020 to 21st June, 2020 organized by Department of Mechanical Engineering, Bharati Vidyapeeth College of Engineering, Pune
3. Attended Faculty Development Programme on ‘Evolution from offline to online teaching’, 30th May to 3rd June 2020 organized by Satish Pradhan Dnyanasadhana College, Thane

3. Student Achievements:

1. Mr. Shantanu Khamkar of T.Y.B.Sc. did screening of a number of short films on social issues and historical places like Lohagad Fort, Pratapgad Fort. He did the screening of an award winning film: Stop Girls Harassment
2. Miss. Shivani Barge of T.Y.B.Sc. has won the Best Cadet Trophy of NCC. She has cleared SSB interview of Indian Army.
3. Miss. Krish Tiwari of S.Y.B.Sc. Volunteered at Smit Foundation , Ahmedabad, during Corona pandemic for helping the needy. She was awarded with a certificate for her outstanding dedication and service to nation to fight against Novel Corona.
4. Many students from S.Y. and T.Y. B.Sc. Class have passed SWYAM , NPTEL courses.