

# **Department of Physics**

## **Report**

### **Session: 2020-2021**

In this academic year total 627 students enrolled in the department, out of which 170 students enrolled in B.Sc.-I, 198 students in B.Sc.-II and 259 students in B.Sc.-III year. The department of Physics has received approval from the Government of Maharashtra and S. G. B.A. U. Amravati to start M.Sc. Physics (P. G.) on non-grand basis.

The teaching staff of the department, Shri P. P. Gedam, Dr. R. M. Agrawal and Shri S. R. Jaiswal has published research articles in reputed national and international journals and conferences.

Abhishek Makode from B. Sc. - II (P2) got 2nd prize in "Online Presentation and demonstration of Physics experiment competition" at Shivaji Science College, Amravati on the occasion of National Science Day, under the guidance of Shri S. R. Jaiswal.

Department of Physics in collaboration with IQAC, Shri R. L. T. College of Science, Akola, celebrated National Science Day and organised Online Guest Lecture on the topic of "Virtual Laboratory". Dr. P. A. Nagpure, Associate Professor, Dept. of Physics, Shri Shivaji Science College, Amravati was a Guest Speaker and Dr. V. D. Nanoty was a Chairperson on the occasion of Online National Science Day Program. Total 500 participants attended the online program through Google Meet and YouTube Live. Shri P. P. Gedam and Shri S. R. Jaiswal were worked as an organisers of the program.

Department of Physics, under Internal Quality Assurance Cell, Shri R. L. T. College of Science, Akola was conducted "Online Certificate Course in Renewable Sources of Energy" from 24th June to 29th June 2021. Nearly 204 students in the college were participated for this course. The six day course included online YouTube lectures recorded by faculties (Dr. P. T. Agrawal, Dr. A. A. Sangole, Dr. A. G. Sarap, Dr. R. P. Joshi, Shri S. Toshniwal) and quizzes on various topics of renewable energy like Biomass, Solar energy, geothermal energy etc. The course was conducted using Google Forms and what's app Groups as a platform. At end of the course, final exam quiz was conducted and the online certificate was distributed to the participants who were successfully completion of the course. The main objectives of taking this course were to develop interest in the field of renewable energy and to create awareness among people that renewable energy sources is the demand and need of future. Dr. R. M. Agrawal and Shri P. P. Gedam, Asst. Professor, Dept. of Physics, were worked as a Convener and Co-convener respectively. Shri S. R. Jaiswal, Asst. Professor, Dept. of Physics was worked as an Organising Secretary and successfully conducted the course under the valuable guidance of Dr. P. T. Agrawal Madam, Head and Associate Professor, Dept. Chemistry and Dr. V. D. Nanoty, Principal, Shri R. L. T. College of Science, Akola.

Diploma Course in Astronomy has conducted by Physics department. Shri S. R. Jaiswal has worked as a coordinator of the course. Total 23 students were admitted in the course. The course has been conducted online/offline mode by Shri S. R. Jaiswal.

Shri S. R. Jaiswal delivered Guest Lectures in various interuniversity colleges which are given below:

- a) Online short term course on Research Methodology at Shri R. L. T. College of Science, Akola.

- b) One day online workshop on Development of E-content for teaching and learning at M. S. P. Arts, Science and K. P. T. Commerce College Manora.
- c) Online guest lecture on Phases of Moon and Formation of Hindu Calendar at J. D. Patil Sangludkar Mahavidyalaya, Daryapur.
- d) Online add-on course on Digital Skills for Creative Students-Teacher (Disc) at Government college of Education Akoal and Yawatmal.

Shri S. R. Jaiswal Participated and successfully completed online Course on Space Technology and Application at Indian Institute of Remote Sensing (IIRS)- Indian Space Research Organisation (ISRO).

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