

Government College of Engg, Amravati comes with workshop on Antenna Design

The entire globe has come closer owing to the modern telecommunication technology. Wireless communication has made it possible to connect billions of people through voice and data signals. This wireless communication has become so powerful only due to its key element i.e. 'ANTENNA'. Considering the emerging demands in the field of communication, designing efficient antenna is the major requirement of the day. Therefore, to give a hands-on practical experience of antennas, Department of Electronics and Telecommunication, Government College of Engineering, Amravati in association with SpartaSoft Technology Solutions, Pune recently organised a four days workshop on 'Practical Integrated Antennas – Designing, Analysis and Simulation' held from 26th Sept to 29th Sept 2022.

The main objective of the workshop was to integrate the practical fundamentals of antenna design in the students with sufficient hands-on. The four days workshop emphasized mostly on the topics like use of Maxwell's equations for antenna design, various antenna terminologies and antenna types. The students also learned the fabrication and testing technologies, by designing wireless antennas for skywave propagation on their own.

The workshop was inaugurated by Principal Dr. A. M. Mahalle in the presence of the guest speaker Mr. Aniruddha Kulkarni and Mr. Mukund Bhopale along with the faculty, staff and students of Electronics Department.

The workshop prominently focused on balancing the theoretical and practical coverage of the antenna design. The points covered in the workshop included RTSA (Real Time Spectral Analysis), SONAR, designing various antenna models such as whip, bi-conical, dipole, yagi-uda, helical antenna. The field visit to the Belora Airport in Amravati district extended the understanding of practical antenna implementation.

The workshop organised for the final year students received overwhelming response, with active participation of around 55 students.

Dr. P. R. Deshmukh, Head of Electronics and Telecommunication, Prof. S. J. Meshram, Workshop Coordinator, Prof. N. G. Pardeshi, Dr. S. S. Thakare, Prof. R. R. Harne, Shri. K. H. Bhagat worked hard towards the successful organization. The student volunteers gave their best in managing the day-to-day schedules.

Dr. A. M. Mahalle, Principal, GCoE, Amravati congratulated the Head, workshop coordinator, staff for their efforts for the majestic organization of the workshop.

