

Govt Collge of Engg holds camp on 'Antenna Design'

■ Amravati Bureau
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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 SpaartaSoft Technology Solutions, Pune, recently organised a four days workshop on Practical



Integrated Antennas Designing, Analysis and Simulation from Sept 26 to 29, 2022 at the college.

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 emphasised mostly on the topics like use of Maxwells 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 Aniruddha Kulkarni and Mukund Bhopale along with the faculty, staff and students of Electronics Department.

The workshop prominently focussed 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, K H Bhagat worked hard towards the successful organisation of the programme. The student volunteers gave their best in managing the day-to-day schedules.