



## DEPARTMENT OF MECHATRONICS

### Guest talk on Electric Drives for Automation

On 7<sup>th</sup> November 2023, 11 am onwards, we had the privilege of hosting Professor Prof. G Bhuvaneshwari for an engaging and informative guest talk on “Electric Drives for Automation”. Professor G Bhuvaneshwari is a distinguished expert in the field of Power Electronics, Electrical Machines, Drives and all their application areas like power supply, power quality, HVDC, electric drives, electric vehicles, battery charging and renewable energy renowned for their research contributions in power engineering and its applications in automation. The talk provided valuable insights into the potential of electric drives to address critical challenges in the power, energy and automation sectors and was attended by 5<sup>th</sup> sem. students of mechatronics departments. Professor G Bhuvaneshwari began by explaining the fundamentals of electric motor drives, highlighting how it employs in the automation industry and the recent development in electric vehicles. The talk covered various ac drives, dc drives, special electromechanical systems including their implementation, and how they can be tailored to achieve specific objectives in automation and electric vehicles. Following the presentation, Professor G Bhuvaneshwari conducted an interactive session with the students. Attendees actively participated, engaging in discussions about potential real-world applications, technological challenges, and the future of electric drives. The Q&A session provided a deeper understanding of the topic, and attendees appreciated the opportunity to interact with a renowned expert in the field.

