



BMSCE Student Section



B.M.S. College of Engineering Bengaluru-560 019

**Two-week online Value Added course
on**

Modelling, Simulation, Robotics & Automation

March 21st to 1st April 2022

Organizers

Dept. of Electrical and Electronics Engg.
Dept. of Electronics and Instrumentation Engg.
BMS College of Engineering
Bengaluru-560019

in collaboration with
IEEE SSIT, PELS, & IES Bangalore Chapters,
EEE Association and ISA BMSCE Student Section

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Dr. Madhava Ram, EEE, BMSCE

WHO CAN ATTEND

UG and PG students from
BMSCE and other institutes

IMPORTANT DATES

Last date for registration is 19/03/2022

REGISTRATION FEE

Rs. 100 for members of EEEA and ISA
Rs. 200 for others

Payment details in registration form

HOW TO APPLY

Use the link below

<https://forms.gle/jtMzraQxa8aKENmZA>

TIMINGS

1:30 pm to 4:30 pm

**E-certificates will be provided to
all participants**

IN CASE OF ANY QUERIES,

Contact:

1. Aditya: 9836850789
2. Amogh: 9632932765
3. Mihir: 8296689145
4. Tejal: 8660068609

or send us an email at:

eeea@bmsce.ac.in

ABOUT THE COURSE

The aim of this course is to ensure that the students from UG and PG programs are proficient in various domains ranging from MATLAB, Simulink, Robotics, Fuzzy Logic Controllers, AI In power Engg., and Renewable Energy Systems. The course enables the students to enhance their skills in modeling and simulation and also to have a smooth transition into their fields of work without having to compromise time to adapt to the environment.

OBJECTIVES OF THE COURSE

1. To enhance the Modelling and simulation skills of the students
2. To introduce students to the emerging technological areas such as Robotics & Automation.

OUTCOMES

At the end of the course, the students will be able to:

1. To design and develop a simulation model for a given system.
2. Analyse Kinematic and Dynamic modelling for Robotic applications
3. Enhance the problem solving and analytical skills and to implement in projects.

BMS COLLEGE OF ENGINEERING

BMS College of Engineering was founded in the year 1946 by Late B M Sreenivasaiah, and nurtured by his illustrious son, Late B S Narayan. BMSCE is the first private sector initiative in Engineering Education in India. BMSCE is in the field of Engineering Education over 7 decades of dedicated service. BMSCE today offers 13 Under Graduate & 16 Post Graduate courses, both in conventional and emerging areas. At present, 15 Departments are recognized as Research Centers offering PhD/MSc Engineering by Research in Science, Engineering, Architecture and Management. First Institution in the state bestowed with NBA Accreditation in Tier I Format (Washington Accord). World Bank funded TEQIP Phase I, Phase II and Phase III Institute and Partner Institution of the Melton Foundation, USA which advocates Global Citizenship. Autonomous Institute (UGC approved) since 2008.

Dept. Of EEE

The Department of Electrical Engineering was established in 1946 and subsequently emerged as Department of Electrical and Electronics Engineering. The Department has the distinction of having its graduates known worldwide for their contributions and accomplishments in varied domains.

Dept. Of EIE

The Department of Instrumentation Technology started in the year 1991. More than twenty five batches of Engineers have graduated from Department of Instrumentation Technology, B.M.S College of Engineering. The UG projects implemented by our students have resulted in many awards at National level and publications in conferences and peer-reviewed journals.

IEEE PELS, IES, and SSIT BANGALORE CHAPTERS

IEEE PELS & IES Bengaluru Chapters got its official approval in the year 2017. Inauguration Ceremony of PELS society was held in 2017 and of IES society in 2018 in Department of Electrical Engineering Department at IISC Bangalore. Both these societies are growing and the numbers of members and activities are increasing every year. The **IEEE SSIT** focuses mainly on environmental, economic, health, and safety implications of technology and also on engineering ethics and education.

The **Power Electronics Society** is dedicated to:

- Upholding the vital scientific and educational aspects of power electronics and its applications.
- Keeping its members around the globe up to date on state-of-the-art technological developments and advances in power electronics research.

Industrial Electronics Society is dedicated to:

- Diverse range of technical activities devoted to the application of electronics and electrical sciences for the enhancement of industrial and manufacturing processes
- Addressing the latest developments in intelligent and computer control systems, robotics, factory communications and automation, flexible manufacturing, data acquisition and signal processing, vision systems, and power electronics.
- The Society continually updates its program of technical activities to meet the needs of modern industry.

International Society of Automation

The International Society of Automation (ISA) is a non-profit professional association of engineers, technicians, and management engaged in industrial automation.

EEE Association

The EEEA creates an environment to enable the development of a student in terms of their leadership and interpersonal skills. It is an integral part of the Electrical & Electronics Engineering Department.