



School of Engineering
Department of Electronics & Communication Engineering

REPORT on Guest Lecture on “Modeling and Simulation using Simulink Software for Engineering Applications”

Date-19/11/22

PROGRAM PARTICULARS

| Date organised | Topic | Attendees |
|--------------------------------|--|--|
| 19 th November 2022 | Guest Lecture on “Modeling and Simulation using Simulink Software for Engineering Applications” | Faculty and students from ECE and Mechanical department. |

The purpose of the program

The Department of Electronics and Communication Engineering and Mechanical Engineering of Nalla Narsimha Reddy Education Society’s Group of Institution, Hyderabad in association with IIC had organised a guest lecture on “Modeling and Simulation using Simulink Software for Engineering Applications” for B. Tech. ECE and Mechanical students on 19th November 2022 at the Conference hall in ground floor NNRESGI.

The resource person was Dr. P. Anil Kumar, Scientist – F , RCI (DRDO), Hyderabad.

The purpose of this program was to create the awareness among student community in Simulink software for modelling and simulation of engineering applications. The Co convener of this event was Dr. S. Ravi Chand, Professor and Head, ECE Dept. NNRG Hyderabad. The workshop was started at 10. 30am. Initially the Co-convener Dr.S.Ravichand introduced the guest speaker Dr. P. Anil Kumar and explained the importance of Simulink software for engineering applications.

After the formal introduction guest speaker Dr. P. Anil Kumar started his dialogue with impressive ppt and interactive session with students. He started with the explanation of modeling and simulation concepts in general and introduce Simulink. After introduction he discussed simulink model used in engineering applications like unmanned aerial vehicle, underwater acoustic communication and diesel engine simulation. He strives to motivate beginners in this area through the modeling of real-life examples and their simulation to gain better insights into real-world systems.



The speaker discussed all the forefronts available for the students. A group of 100 students and twenty faculty members were present in the session. Dr. G. Janardan Raju, IIC president and Mrs. E. Suneetha, Associate Professor, ECE Department coordinated the event. Mrs. E. Sunnetha, delivered the vote of thanks and wrapped up the session with his concluding remark.

The outcome of the program

The guest lecture aims to provide a comprehensive, state-of-the-art coverage of all important aspects of modeling and simulation of physical as well as conceptual systems.

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