Department of Artificial Intelligence and Machine Learning Report on Present &Future Programs of CSIRNAL

Title of the Program

Present & Future Programs of CSIR-NAL -Possible roles of AI/ML

Venue

Auditorium, BGSCET, Bengaluru

Date & Time

25th October 2025, 11:00 AM

Participants (attach attendance sheet)

Faculty- Dr. Jalaja G (HOD, AI & ML), Department Faculty Members Students- (1st, 3rd & 5th Semester Students of all Departments)

Resource Person

Dr Manabendra M. De, Senior Principal Scientist in Systems Engineering Division.

Convenor/ Coordinators

Dr. Jalaja G

Ms. Vandana S Sardar

Mrs. Laxmi

Session Details

The Department of Artificial Intelligence and Machine Learning, BGS College of Engineering and Technology, in association with SAMBHAV and IEEE Bangalore Section, had organized a **Technical Talk** on "Present & Future Programs of CSIR-NAL – Possible Roles of AI/ML".

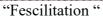
The session was delivered by **Dr. Manabendra M. De**, Senior Principal Scientist, Systems Engineering Division, **CSIR-NAL**, Bengaluru, and Honorary Assistant Professor at **AcSIR**, **New Delhi**.

Dr. Manabendra shared valuable insights into the **ongoing and future programs at CSIR-NAL**, particularly focusing on how **Artificial Intelligence and Machine Learning** are revolutionizing research and development in aerospace engineering. He elaborated on the integration of AI/ML in predictive maintenance, design optimization, and autonomous systems, providing students a glimpse into real-world applications of AI in scientific research.

The programme focused on-projects on CSIR-NAL including Hansa-3, possible roles of AI/ML/DL and career opportunities in this field.
Takeaway
☐ Students got an opportunity to gain great insights into CSIR's AI mission
☐ Future aerospace programs of CSIR-NAL including Hansa-3, SARAS Mk-II, Two-seater trainer aircraft.
☐ Project funding, possible roles of AI/ML/DL and career opportunities in this field.
Poster (to include IEEE, CSI and IIC logo)









"Session"



"Audience"



"Team"

HOD Principal