



KSSEM
K S SCHOOL OF ENGINEERING AND MANAGEMENT

Kammavari Sangham (R) 1952

K. S. GROUP OF INSTITUTIONS

K. S. SCHOOL OF ENGINEERING AND MANAGEMENT

Approved by AICTE, New Delhi; Affiliated to VTU, Belagavi, Karnataka; Accredited by NAAC

www.kssem.edu.in

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Report on

Industrial Visit /Technical Visit to CSIR-NAL



Organized by IEEE Student Branch, KSSEM

In association with IEEE Bangalore section.

Event Name: Industrial Visit /Technical Visit to CSIR-NAL

Date of Event: 22nd August 2024

Venue: CSIR-NAL's Golden Jubilee Hangar, Bangalore

Number of Participants: 50

Targeted Audience: 2nd year ECE students

Staff Incharge: Mr. Ravikiran B Assistant Professor, Dept of ECE, KSSEM

Industrial Visit Co-ordinator: Dr. Manu D K Associate Professor, Dept of ECE, KSSEM

The Department of Electronics and Communication Engineering, in association with IEEE KSSEM Student Branch organized a visit to CSIR-NAL on 22nd August 2024, on the occasion of their One Week One Theme program. 50 students of 3rd Semester, accompanied by Prof. Ravikiran B A, attended the event at CSIR-NAL's Golden Jubilee Hangar, Bangalore.

The Event consisted of an exhibition and demonstration of various indigenous technologies and innovations developed at CSIR-NAL, in various domains including Smart Materials, Carbon Nanofibers, Radar Absorbing Paints, Indigenous Sensor Technologies for Runway monitoring and Maintenance, Wind Tunnel design, indigenous drone and Jet Turbine design, etc. The students also got a chance to have an inside look at the SARAS aircraft, the first Indian multi-purpose civilian aircraft in the light transport aircraft category, designed by NAL, and got an insight into the design procedure.

During the course of the visit, the students learned about the various career and research opportunities at CSIR-NAL, the entrance procedure and the various domains of research and development that is done at CSIR-NAL. They also had the opportunity to interact with various research scientists, engineers and research interns from the organization, and learned about various applications of Electronics and Communication Engineering, in the multi-discipline R&D projects of NAL.



KSSEM
K S SCHOOL OF ENGINEERING AND MANAGEMENT

Kammavari Sangham (R) 1952

K. S. GROUP OF INSTITUTIONS

K. S. SCHOOL OF ENGINEERING AND MANAGEMENT

Approved by AICTE, New Delhi; Affiliated to VTU, Belagavi, Karnataka; Accredited by NAAC

www.kssem.edu.in

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



Figure 1 Students departing from KSSEM Campus



Figure 2 Students at the CSIR-NAL Golden Jubilee Hangar



KSSEM
K S SCHOOL OF ENGINEERING AND MANAGEMENT

Kammavari Sangham (R) 1952

K. S. GROUP OF INSTITUTIONS

K. S. SCHOOL OF ENGINEERING AND MANAGEMENT

Approved by AICTE, New Delhi; Affiliated to VTU, Belagavi, Karnataka; Accredited by NAAC

www.kssem.edu.in

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



Figure 3 Students learning about the Indigenous SARAS Aircraft developed by CSIR-NAL



Figure 4 Students learning about Indigenous Jet Engines developed by NAL



KSSEM
K S SCHOOL OF ENGINEERING AND MANAGEMENT

Kammavari Sangham (R) 1952

K. S. GROUP OF INSTITUTIONS

K. S. SCHOOL OF ENGINEERING AND MANAGEMENT

Approved by AICTE, New Delhi; Affiliated to VTU, Belagavi, Karnataka; Accredited by NAAC

www.kssem.edu.in

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



Figure 5: Students learning about the Indigenous Airport Runway Monitoring and Maintenance Systems

Staff Incharge:

Industrial Co ordinator:

HoD