



SWARNANDHRA COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous)

Narsapur, West Godavari District, A.P. 534280

DEPARTMENT OF MECHANICAL ENGINEERING

MINUTES OF 11th BOARD OF STUDIES MEETING (UG -MECH)

Date: 08-07-2025

Topic: 11th Board of Studies Meeting

Venue: Mechanical Dept.

Time: 5th July, 2025 03:00 PM

Mode: Online Zoom Platform

Meeting link:

<https://us05web.zoom.us/j/84791114448?pwd=bOcaAUvmvldgK8YAEytaYPO9fCvW.1>

11th BOS Meeting Video Link:

<https://drive.google.com/file/d/1a1DFw9EFA5w92f13xwpgzsLIPvDSnXhU/view?usp=sharing>

<https://drive.google.com/file/d/1kzPPI9wvaFg9tuAdM6970oADfni-Ezj/view?usp=sharing>

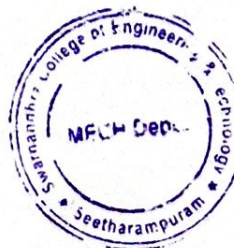
The Tenth board of studies meeting of the Mechanical Engineering department held on 5th July 2025 at 3.00 PM through online mode for the approval of R23 course structure and syllabus of V and VI semesters.

The following members were attended to the BOS meeting

S.NO.	Name of BOS Member	Designation in BOS
1	Dr. Francis Luther King M	Chairman
2	Dr. K. Meera Saheb JNTUK, KAKINADA	Subject Expert Nominated by V.C
3	Dr. P. Ravi Kumar, VNIT, Nagpur	Subject Expert Nominated by Institute
4	Dr. K. Linga Durai Anna University, Chennai	Subject Expert Nominated by Institute
5	Mr. T. Mohan Krishna ONGC, Mumbai	Industrial Expert
6	Mr. N. H. D. Srinivas Blue Yonder India Pvt. Ltd, Hyderabad	Alumni Member
7	Dr. R. Lalitha Narayana	Internal Member
8	Dr. R. Sanjeev Kumar	Internal Member
9	Dr. D. Bhanu Prakash	Internal Member
10	Mr. B. Srinivas	Internal Member
11	Mr. B. Mahesh Krishna	Internal Member
12	Mr. Ch. Harish Kumar	Internal Member
13	Mr. A. Azeez	Internal Member

Agenda:

1. Review of previous BOS meeting minutes
2. Finalization of R23 Course Structure and Syllabus for V and VI Semesters.
3. Finalization of R23 Minors and Honors Course Syllabus for B. Tech.
4. Any other matter with the permission of chair.





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DEPARTMENT OF MECHANICAL ENGINEERING

BoS Chairman welcomed the University Nominee Subject Experts, Industrial Expert, Alumni Member and Faculty members.

1. Review of previous BOS Meeting minutes

The committee reviewed the 10th BOS Meeting minutes.

2. Discussion on R23 course structure and syllabus of V and VI Semesters for B.Tech Mechanical Engineering.

The chairman presented the R23 regulation Course structure and syllabus for the courses of V and VI Semesters. The BOS Committee discussed the Mechanical Engineering Course structure and Syllabus of V & VI semesters R23 Regulations. BOS Committee has viewed and approved the same.


The following were the suggested resolutions by the BOS members.

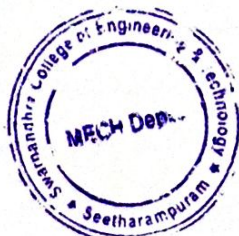
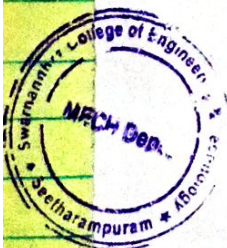
- Approved the content changes of **"THERMAL ENGINEERING"** Professional Core course in fourth unit V Semester.
- Suggested to include 5th choice NPTEL/MOOCs in Professional Elective – I
- Approved the content changes of **"DESIGN OF MACHINE ELEMENTS"** Professional Core course in III unit to replace Curved Beams in the place of Couplings in V Semester.
- Suggested to allow data sheet (Xerox copy) with faculty permission only for III and V Units Professional Core course **"DESIGN OF MACHINE ELEMENTS"** in V Semester.
- Approved the CO, PO & PSO mapping and web references for V and VI Semester courses in R23.
- Approved the Course structure and syllabus for V and VI semesters R23.

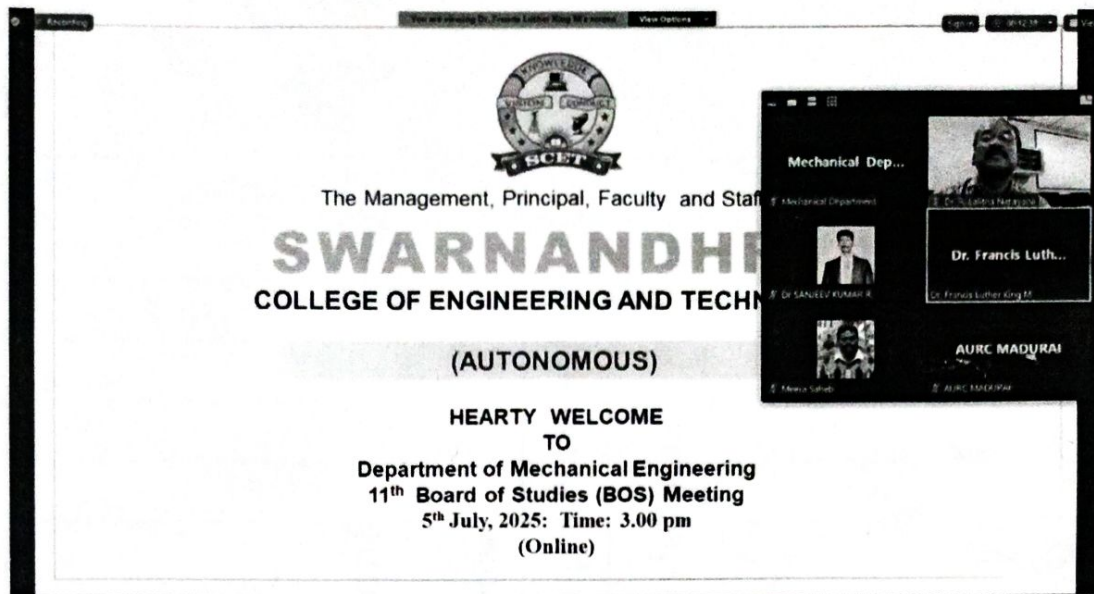
3. Finalization of R23 Minors and Honors Course Syllabus for B. Tech.

- Approved the Minors and Honors Course syllabus for V and VI semesters R23

The BOS meeting was concluded by the Chairman with a letter of gratitude to all BOS members at 04.10 PM.


Dr. Francis Luther King M
 Chairman BOS
 Department of ME

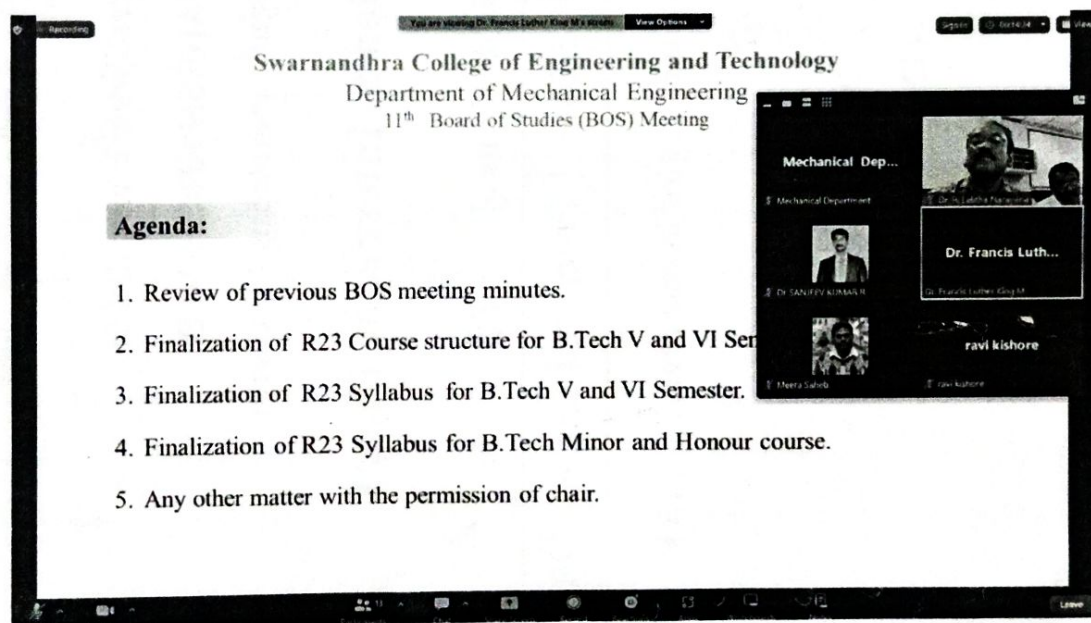




The Management, Principal, Faculty and Staff

SWARNANDHRA
COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)

HEARTY WELCOME
TO
Department of Mechanical Engineering
11th Board of Studies (BOS) Meeting
5th July, 2025: Time: 3.00 pm
(Online)



Swarnandhra College of Engineering and Technology
Department of Mechanical Engineering
11th Board of Studies (BOS) Meeting

Agenda:

1. Review of previous BOS meeting minutes.
2. Finalization of R23 Course structure for B.Tech V and VI Sem
3. Finalization of R23 Syllabus for B.Tech V and VI Semester.
4. Finalization of R23 Syllabus for B.Tech Minor and Honour course.
5. Any other matter with the permission of chair.



Swarnandhra College of Engineering and Technology
Department of Mechanical Engineering



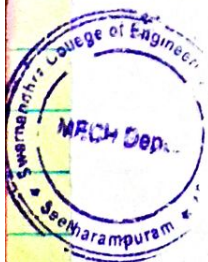
Power Plant, Installation and Maintenance.

UNIT - 2
STORAGE IN PV SYSTEMS:
 Battery Operation, Types of Batteries, Battery Parameters, Application and Solar PV System, Battery Maintenance and Measurements, Battery Installation.

UNIT - 3
SOLAR ENERGY COLLECTION: Flat plate and concentrating collectors, orientation.
SOLAR ENERGY STORAGE AND APPLICATIONS: Different methods of storage, stratified storage, solar ponds, solar applications- solar heating/cooling technologies, solar drying, solar cookers, central power tower concept and solar chimney.

UNIT - 4
WIND ENERGY: Sources and potentials, horizontal and vertical axis windmills, performance

Department of Mechanical Engineering
 11th Board of Studies (BOS) -Online
 5th July, 2025.



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