

SWARNANDHRA
COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)
DEPARTMENT OF ROBOTICS

MINUTES OF FOURTH BOARD OF STUDIES MEETING (UG-ROBOTICS)

Date:19-07-2024

Topic: Board of Studies Meeting

Venue: Mechanical Dept.

Mode: Online Zoho Platform

Time: July 18, 2024 11:00 AM

Fourth BOS Meeting Video Link

Meeting link: <https://meet.zoho.in/ujbLu9LzoF>

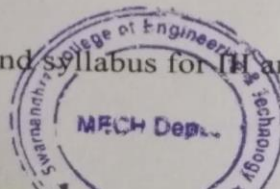
The Fourth Board of studies meeting of the Robotics department held on 18th July 2024 at 11.00 AM through online mode for the approval of R23 course structure and syllabus of III and IV semesters.

The following members were attended to the BOS meeting

S.No.	Name of BoS Member	Designation in BoS
1	Dr M Francis Luther King	Chairman
2	Dr. A. Gopala Krishna JNTUK, KAKINADA	Subject Expert, Nominated by V.C
3	Dr. P. Rajalakshmy, Karunya University,Tamilnadu	Subject Expert, Nominated by Institute
4	Dr. Shital S. Chiddarwar VNIT, Nagpur	Subject Expert, Nominated by Institute
5	Dr.G.Krishnaiah SVU, TIRUPATI	Subject Expert, Nominated by Institute
6	Mr. R. Satyanarayana Steel Plant, Visakhapatnam	Industrial Expert
7	Mr. G. V. Sai Teja Motherson Sui Systems Limited, Karnataka	Alumni Member
8	Dr. R Lalitha Narayana	Internal Member
9	Dr. R Sanjeev Kumar	Internal Member
10	Dr. D Bhanu Prakash	Internal Member
11	Mr. B Srinivas	Internal Member
12	Mr. B Mahesh Krishna	Internal Member
13	Mr Ch Harish Kumar	Internal Member
14	Mr Abdul Azeez	Internal Member

Agenda:

1. Review of previous BOS meeting minutes.
2. Finalization of B.Tech R23 Course Structure and Syllabus for III and IV semester.
3. Any other matter with the permission of chair.



BOS meeting started at 11.00 AM online mode. The BOS chairman welcomed the University Nominee Subject Experts, Industrial Expert, Alumni Member and Faculty members.

1. Review of previous BOS meeting minutes

The chairman discussed the first BOS meeting minutes.

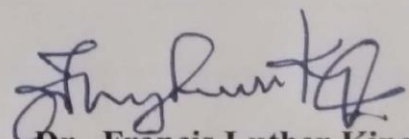
2. Finalization on R23-syllabus of III Semester and IV Semesters for II B.Tech Robotics

The chairman presented the R23 regulation Course structure and syllabus for the courses of III and IV Semesters. The BOS Committee discussed the Robotics Course structure and Syllabus of III & IV semesters R23 Regulations. BOS Committee has viewed and approved the same.

The following were the suggested resolutions by the BOS members.

- Suggested to modify fundamentals of Industrial robotics as Fundamentals of Robotics accordingly modify the syllabus also in III Semester regular course.
- Suggested to replace Engineering science category "Mechanics of Solids lab" in the place of Python Programming Lab in III Semester.
- Suggested to replace skill enhancement course category with "Python Programming lab" in the place of Embedded Systems and IoT lab in III Semester.
- Suggested to include fundamentals in Sensors and Instrumentation course in IV semester.
- Approved the CO, PO & PSO mapping and web references for every course in R23.
- Approved the Course structure for III and IV semesters R23.

The BOS meeting was concluded by the Chairman with a letter of gratitude to all BOS members by 12.10 PM.



Dr. Francis Luther King M
Chairman BOS
Department of Robotics

A screenshot of a Zoom meeting interface. At the top, there's a header bar with five circular icons labeled HK, ST, RS, S, and DK. To the right of these icons is a name label "Dr R SANJEEV KU...". Below the header bar, the main window displays a presentation slide from a Microsoft Word document. The slide content includes:

UNIT-III

JIT & MOSFET FET: types, construction, operation, characteristics parameters, MOSFET construction, characteristics and comparative study of Enhancement and Depletion MOSFET (P-channel N-channel). Comparison between JIT and MOSFET (JIT & MOSFET) DRAWING: Introduction, Fixed-Bias configuration, Self Bias Configuration, Voltage Divider Biasing and stabilization. Relevant problems.

UNIT IV

COMBINATIONAL LOGIC CIRCUITS: Encoders, Decoders, Priority Encoder, Multiplexers, Demultiplexers, Realization of Boolean functions using decoders and multiplexers; Memory devices: Random Access Memory - Read only Memory, Programmable Read only Memory; Programmable Logic Devices: Programmable Logic Array; Programmable Array Logic.

UNIT V

SEQUENTIAL LOGIC CIRCUITS: Latches: Flip-Flops: JK, D, J-K, T and Master Slave JK, D-latch tables and Excitation tables; Flip-Flop applications: Shift Registers and Asynchronous counters, Up Down counter, Ring counter and Johnson counter; Shift Register: MSO, MPO, PISO, PIPO.

TEXTBOOKS

1. T. Aikawa: "Electronic devices & circuits" - Tata McGraw-Hill Publications.

The presentation window has standard Windows taskbar elements at the bottom, including the Start button and several open application icons.