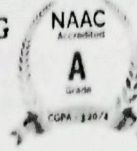




LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING
(An Autonomous Institution since 2010)

Approved by AICTE, New Delhi and Permanently Affiliated to JNTUK, Kakinada
L. B. Reddy Nagar, Mylavaram, NTR District, Andhra Pradesh - 521230



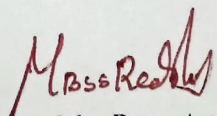
DEPARTMENT OF MECHANICAL ENGINEERING

Dt: 13-05-2026.

The Board of studies (BoS) meeting of Mechanical Engineering is scheduled on 16-05-2026 at 10.00 AM through online mode in Microsoft Teams. All the BoS members are requested to attend the meeting and contribute their wisdom.

Agenda of BoS Meeting (Online) being held on 16-05-2026

1. Confirmation of minutes of 21st BoS meeting held on 15-10-2025.
2. Review of Action Taken Report (ATR) on the minutes of 21st BoS meeting held on 15-10-2025.
3. Discussion and Approval of Syllabi and Course Structure of M.Tech(R25), B.Tech(R23) VII and VIII semesters, MOOCs, specification of COs and CO-PO articulation matrix.
4. Information on New Courses introduced in B.Tech (R23).
5. Approval of MOOCs for Minor/Honor program for the A.Y.: 2026-27.
6. Information on Teaching-Learning Process.
7. Information on Academic Performance of the students for the A.Y 2025-26 (Odd Sem).
8. Information & Discussion on R&D and Training & Placement Activities for the A.Y.: 2025-26.
9. Information on events organized & Attended for the A.Y.: 2025-26.
10. Discussion and Approval of Calendar of events for the A.Y.: 2026-27.
11. Any other suggestions of Honorable BoS members.


Head of the Department

HEAD
Dept. of Mechanical Engineering
LAKIREDDY BALI REDDY COLLEGE OF ENGG.
MYLAVARAM-521 230., KRISHNA DT, A.P

Minutes of BoS meeting held on 16-05-2026

Dr.M.B.S.Sreekara Reddy, the Chairman, Board of Studies in Mechanical Engineering welcomed the members to the meeting and presented the items of the agenda as cited below for discussion, consideration and approval.

1. Confirmation of minutes of 21st BoS meeting held on 15-10-2025.

- The minutes of 21st Board of Studies meeting held on 15-10-2025 are confirmed with the consent of honorable members.

2. Review of Action Taken Report (ATR) on the minutes of 21st BoS meeting held on 15-10-2025.

Item No	Item	BoS Committee decision
1	Discussion and Approval of Syllabi and Course Structure of M.Tech Thermal Power Engineering (R25) I-IV semesters, specification of COs.	Modifications Incorporated and Approved
2	Approval of changes in Syllabus of B.Tech (R23) V and VI Semester courses.	Modifications Incorporated and Approved
3	Approval of SWAYAM courses for Minor/Honor program for the A.Y 2025-26.	Modifications Incorporated and Approved
4	Information and discussion on POs & PSOs attainment and ATR for 2021-25 batch.	Approved
5	Information on Academic Performance of the students for the A.Y 2024-25 (Even Sem).	Noted
6	Information & Discussion on R&D and Training & Placement Activities for the A.Y.: 2024-25.	Noted
7	Information on events organized & Attended for the A.Y.: 2024-25.	Noted
8	Information on Calendar of events for the	Noted

3. Discussion and Approval of Syllabi and Course Structure of M.Tech(R25), B.Tech(R23) VII and VIII semesters, MOOCs, specification of COs and CO-PO articulation matrix.

- Academic Expert Dr.A.Kumar suggested to change the course name from “Principles of Robotics” to “Robotics” in I Sem of PG Program.
- Academic Expert Dr.A.V.S.S.K.S.Gupta suggested to change the course name from “Principles of Robotics” to “Introduction to Robotics” in I Semester of PG Program.
- Industry Expert R.Yogananda Reddy suggested to add the new course “Electro Mechanical Actuation Systems” instead of “Pneumatic and Hydraulic Control” course in II Semester of PG program.
- Academic Expert Dr.A.V.S.S.K.S.Gupta suggested to change the course name from “Robotics in Industry 4.0” to “Fundamentals of Automation and Industry 4.0” in II Semester of PG Program.
- Industry Expert R.Yogananda Reddy suggested to add the new topics on “Smart Materials, Rare Earth Materials, High Density Magnetic Materials, Shape Memory Alloys” in the robotic actuation system related courses.
- Alumni Member Dr.T.Rama Krishna suggested to send the students for doing internship in IIT’s/NIT’s, Industry’s and teach any modelling software, that will helpful for the student placements.

4. Information on New Courses introduced in B.Tech (R23).

- The BoS chairman presented new courses introduced in the B.Tech R23 regulation, all the honorable members are noted.

5. Approval of MOOCs for Minor/Honor program for the A.Y.: 2026-27.

- The BoS chairman presented SWAYAM courses for Minor/Honor program for the A.Y 2026-27 for suggestions. All the honorable members accepted without modification.

6. Information on Teaching-Learning Process.

- The teaching learning processes of the department is discussed and suggestions by the honorable members are noted.

7. Information on Academic Performance of the students for the A.Y 2025-26 (Odd Sem).

- The BoS chairman informed about the academic performance of the students for the

Odd semester courses of the A.Y:2025-26. It was informed that the courses with poor pass percentage were identified and the honorable members are suggested to conduct remedial classes for the students having backlogs.

8. Information & Discussion on R&D and Training & Placement Activities for the A.Y.: 2025-26.

- The R&D activities of the department are presented and put forward for discussion. Honorable members appreciated research contributions of the faculty in terms of publications and suggested to work more on funded projects.
- Honorable members suggested to increase the quality placements and also impart training to students by industry experts.

9. Information on events organized & Attended for the A.Y.: 2025-26.

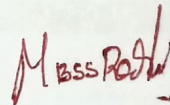
- The chairman presented the members about events organized by the department and put forward for discussion and suggestions are recorded.

10. Discussion and Approval of Calendar of events for the A.Y.: 2026-27.

- The HoD presented information on calendar of events for the A.Y 2026-27 for discussion and suggestions recorded.

11. Any other suggestions of Honorable BoS members.

The chairman, BOS thanked all the members for their active participation, constructive suggestions and encouragement.



BoS Chairman

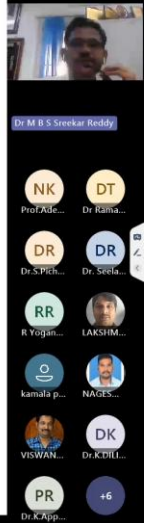
HEAD
Dept. of Mechanical Engineering
LAKIREDDY BALI REDDY COLLEGE OF ENGG.
MYLAVARAM-521 230. KRISHNA DT, A.P

Screenshots of BoS Meeting held on 16/05/2026

Agenda:

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LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING,MYLAVARAM-521230



3-R25 PG syllabus_ME_16th May 2025 - Microsoft Word

LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING (AUTONOMOUS), MYLAVARAM

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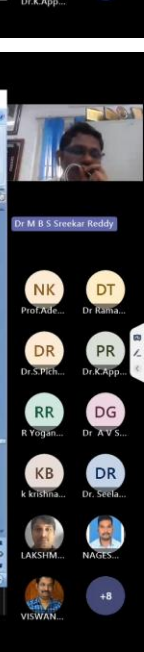
M.Tech. (II Sem.) 26XXX- REINFORCEMENT LEARNING FOR ROBOTICS

Prerequisites:
Students should have basic knowledge of Machine Learning, probability and statistics, linear algebra, optimization techniques, Python programming, and robotics fundamentals. Familiarity with neural networks, dynamic systems, and mathematical modeling will help students understand reinforcement learning algorithms and robotic learning applications effectively.

Course Educational Objectives (CEOs)
The course is designed to provide students with comprehensive knowledge of reinforcement learning principles and their applications in robotics and intelligent autonomous systems. The students will develop the ability to analyze decision-making models, learning strategies, and control policies using Markov Decision Processes, Monte Carlo methods, and Temporal-Difference learning approaches. The course also aims to enhance understanding of function approximation, policy optimization, and deep reinforcement learning techniques for robotic navigation, control, and intelligent behavior generation.

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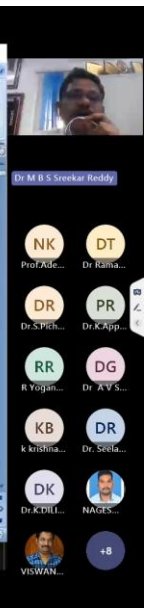


3-R23 4th Year syllabus_ME - Microsoft Word

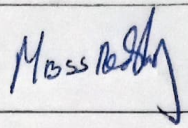
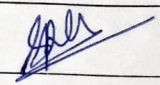
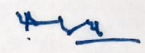
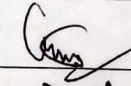
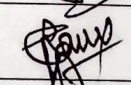
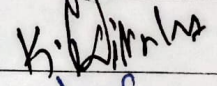
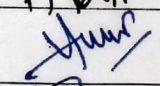
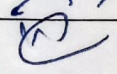
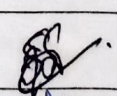
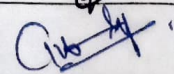
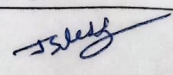
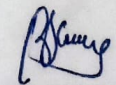
S. No.	Course Code	Course Title	Contact hours/week			Credits	Scheme of Valuation		
			L	T	P		CIE	SEE	Total
Theory Courses									
1	23ME28	CAD/CAM	2	0	0	2	30	70	100
2	23ME29	Operations Research	2	0	0	2	30	70	100
PROGRAM ELECTIVE - IV									
3	23ME30	Mechanics	3	0	0	3	30	70	100
	23ME31	Computational Fluid Dynamics	3	0	0	3	30	70	100
	23ME32	Functional Materials and Applications	3	0	0	3	30	70	100
4	23ME33	Drives and Actuators for Robotics	3	0	0	3	30	70	100
	23ME34	Hydrogen and Fuel Cell Technology	3	0	0	3	30	70	100
5	23ME35	Smart Manufacturing	3	0	0	3	30	70	100
	23ME36	Autonomous Systems	3	0	0	3	30	70	100
	23ME37	Embedded Systems and Programming	3	0	0	3	30	70	100
6	OE-III	Open Elective - III	3	0	0	3	30	70	100
7	OE-IV	Open Elective - IV	3	0	0	3	30	70	100
8	23ME35	Constitution of India	2	0	0	0	30	-	30
Laboratory Courses									
6	23ME62	CAD/CAM Lab	0	0	2	1	30	70	100
7	23ME54	Mechatronics Lab	0	0	4	2	30	70	100
8	23P						50	50	
							618	880	


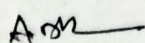


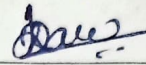
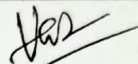
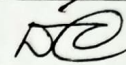
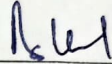
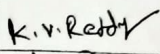

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Signatures of BoS Members:

S. No.	BoS Hierarchy	Name & Designation	Signature
1.	Chairman	Dr.M.B.S.Sreekara Reddy, Professor & HoD LBR College of Engineering	
2.	University Nominee	Dr.A.Krishna Bhaskar, Associate Professor Department of Mechanical Engineering JNTUK, Kakinada	Attended Online
3.	Subject Expert (Academic)	Dr.A.Kumar, Professor Department of Mechanical Engineering NITW, Warangal	Attended Online
4.	Subject Expert (Academic)	Dr.A.V.S.S.K.S.Gupta, Professor The Director, RGUKT-RK Valley, RGUKT-AP, Idupulapaya village. Vempally Mandal, YSR Kadapa(Dt), A.P	Attended Online
5.	Subject Expert (Industry)	R.Yogananda Reddy, Scientist G-DRDO, Hyderabad	Attended Online
6.	Alumni Member	Dr.T.Rama Krishna, Thermal Simulation Expert, Schneider Electric R&D, Bangalore	Attended Online
7.	Internal Faculty	Dr.S.Pichi Reddy, Professor	
8.	Internal Faculty	Dr.P.V.Chandra Sekhar Rao, Professor	
9.	Internal Faculty	Dr.P.Vijay Kumar, Professor	
10.	Internal Faculty	Dr.P.Ravindra Kumar, Professor	
11.	Internal Faculty	Dr.K.Dilip Kumar, Professor	
12.	Internal Faculty	Dr.K.Murahari, Associate Professor	
13.	Internal Faculty	Dr.V.Dhana Raju, Associate Professor	
14.	Internal Faculty	Dr.Ch.Siva Sankara Babu, Associate Professor	
15.	Internal Faculty	Mr. S.Srinivasa Reddy, Associate Professor	
16.	Internal Faculty	Mr.J.Subba Reddy, Associate Professor	
17.	Internal Faculty	Dr. B.Sudheer Kumar, Sr. Assistant Professor	
18.	Internal Faculty	Dr.A.Nageswara Rao Sr. Assistant Professor	AICTE FELLOWSHIP

19.	Internal Faculty	Dr.S.Rami Reddy Sr. Assistant Professor	
20.	Internal Faculty	Dr.A.Dhanunjay Kumar Sr. Assistant Professor	
21.	Internal Faculty	Mr.S.Srinivasa Reddy Sr. Assistant Professor	
22.	Internal Faculty	Mr.K.V.Viswanadh Sr. Assistant Professor	
23.	Internal Faculty	Mr.K.Lakshmi Prasad Sr. Assistant Professor	
24.	Internal Faculty	Mr.V.Sankara Rao Sr. Assistant Professor	
25.	Internal Faculty	Mr.D.Mallikarjuna Rao Sr. Assistant Professor	
26.	Internal Faculty	Mrs.B.Kamala Priya Sr. Assistant Professor	
27.	Internal Faculty	Mr.K.Venkateswara Reddy Sr. Assistant Professor	 K. v. Reddy
28.	Internal Faculty	Mr.K.Sai Babu Assistant Professor	
29.	Internal Faculty	Mr.S.Uma Maheswara Reddy Assistant Professor	