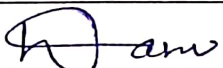
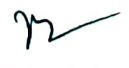
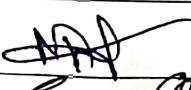
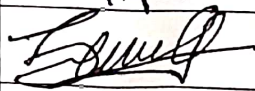
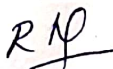


Date: 21-06-2026.

Agenda of the Board of Studies IVth Meeting to be held on 21-06-2026

1. Approval of B.Tech MECH- Course Structure & Syllabus of IV B.Tech I & II Sem
2. Approval of B.Tech MECH-Course outcomes of IV B.Tech I & II Sem.
3. Information on V23 Regulations- U.G (B.Tech Mechanical)
4. Information for teaching learning processes
5. Any other matter with permission of Chair.

S.No.	BOS Hierarchy	Name of the member	Designation	Signature
1	Chairperson	Mr.P.Dasu	Asst.Professor&HOD	
2	University Nominee	Dr. K.MEERA SAHEB JNTUK, Kakinada	Professor	Attend Online
3	Subject Experts (Academic)	Dr.A.Venu Gopal NITW. Warangal	Professor	Attend Online
4	Subject Experts (Academic)	Dr.M.Gopi Krishna ANU, Guntur	Professor	Attend Online
5	Subject Expert (Industry)	Mr.B.Rajasekhar	Executive Director Kristina Engg Works	Attend Online
6	Expert (Outside)	L.Rajesh	Sr.Engineer,Kusalava industries	Attend Online
7	Alumni Member	Mr.T.Raviteja (16MG1A0345)	DE, CYIENT, HYD	Attend Online
8	Internal faculty	Dr.R.Nagendrababu,	Professor& Principal SVIST	
9	Internal faculty	Mr.B.Baloji	Associate Professor(PhD)	
10	Internal faculty	Mr.M Lakshmiprasad	Assistant Professor	
11	Internal faculty	Mr.S.Ramakrishna	Assistant Professor	
12	Internal faculty	Mr.R.Naresh	Assistant Professor	

1. Discussion and Approval of IV B.Tech Mechanical Engineering V23 course structure.

BOS Chairman informed the details related to the V23 course structure, Syllabus IV B.Tech I & II sem V23 regulations to all the BOS members. As part of the implementation of NEP- 2020 across the State of Andhra Pradesh. APSCHE & JNTUK, Kakinada proposed common regulation, course structure and syllabus for all autonomous college and affiliated institutions.

The autonomous college may enhance 20% of the syllabus based on the approval from BOS members. The course outcomes may be modified based on the content.

- University Nominee Dr. K.MEERA SAHEB suggested to take the V23 structure prepared by JNTUK for the I & II semesters as a reference. JNTUK is following the common syllabus for all its affiliated colleges to facilitate the students transferring from one institute to other after the first year.
- By the direction of university regulations suggested a student has to pursue and complete one course compulsorily through MOOCS approved by the university. A student can pursue courses other than core through MOOCS and it is mandatory to complete one course successfully through MOOCS for awarding the Degree. A student is not permitted to register and pursue core courses through MOOCS.
- Academic Expert Dr.A. Venu Gopal & Dr.M.Gopi Krishna pointed that to take the other department subjects for the mechanical students just like computer networks, introduction to artificial intelligence and machine learning ,Cyber security , OOPS Through java courses for mechanical students.
- University Nominee Dr. K.MEERA SAHEB &Academic Expert Dr.A.Venu Gopal suggested to choosing the latest textbooks and course outcomes with bloom Taxonomy.

Decision: Noted and approved the course structure, Syllabus.

2. Approval of IV B.Tech MECH - Course outcomes of IV B.Tech I & II Sem.

The BOS chairman informed the choose outcomes of I sem & II sem courses and articulation matrix to all the BOS members.

Decision: Noted and approved the course outcomes specifications and articulation matrix.

3. Information on V23 Regulations- U.G (IV B.Tech)

The BOS chairman informed to Hon'ble members about V23 regulation polices and audit courses like Health and fitness activities included in the regulations.

4. Approval of IV B.Tech MECH - Course outcomes of I & II Sem

The BOS chairman informed the course outcomes of I sem & II sem courses and articulation matrix to all the BOS members

5. Information on teaching learning processes

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

6. Any other matter with permission of Chair.

- BOS chairman is informed to Hon'ble members about proposed calendar of events organized for students and faculty for the A. Y. 2026-27.
- BOS Chairman is informed to Hon'ble members about III B. Tech I sem academic results for the A. Y: 2025-26

Decision: Noted

MECHANICAL ENGINEERING (V23-IVth YEAR COURSE (STRUCTURE & SYLLABUS))

B.TECH IV YEAR I SEMESTER

B.TECH IV YEAR I SEMESTER

S.No.	Category	Title	L	T	P	Credits
1	Professional Core	CAD/CAM	2	0	0	2
2	Management Course-II	Operations Research	2	0	0	2
3	Professional Core	CAD/CAM Lab	0	0	2	1
4	Professional Elective	1.Mechatronics 2.Computational Fluid Dynamics 3.Functional Materials and Applications 4.Drives and Actuators for Robotics 5.Rapid Manufacturing MOOCS 6.Explosions and safety MOOCS	3	0	0	3
5	Professional Elective	1.Hydrogen and Fuel Cell Technology 2.Smart Manufacturing 3.Autonomous Systems 4.Embedded Systems and Programming	3	0	0	3
6	Open Elective- III	1. Finite Element Methods 2. Introduction to Mechatronics 3. Product design and development 4. Advanced Materials 5. Introduction to Smart Manufacturing	3	0	0	3
7	Open Elective-IV	1. Optimization Techniques 2.Advanced Manufacturing Processes 3. Total Quality Management 4. Operations Management 5. Energy Auditing 6. Quantum Science and Technology	3	0	0	3
8	Skill Enhancement Course	Mechatronics Lab	0	0	4	2
9	Audit Course	Constitution of India	2	0	0	-
	Internship	Evaluation of Industry Internship	-	-	-	2
Total			18	0	06	21

Professional Elective-IV

1. Mechatronics
2. Computational Fluid Dynamics
3. Functional Materials and Applications
4. Drives and Actuators for Robotics
5. Rapid Manufacturing MOOCS
6. Explosions and safety MOOCS

Professional Elective-V

1. Hydrogen and Fuel Cell Technology
2. Smart Manufacturing
3. Autonomous Systems
4. Embedded Systems and Programming

B.Tech. IV Year II Semester

S.No.	Category	Title	L	T	P	Credits
1	PR	Internship and Project	-	-	24	12

Date: 21-06-2026


Department of Mechanical Engineering
Sree Vahini Institute of Science & Technology
BOSE Chairperson
TIRUVURU 52F 235