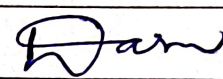
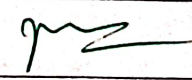
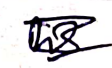

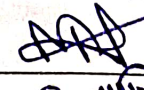




Date: 14-07-2025.

Agenda of the Board of Studies 3rd Meeting to be held on 14-07-2025

1. Approval of B.Tech MECH- Course Structure & Syllabus of III B.Tech I & II Sem
2. Approval of B.Tech MECH-Course outcomes of III 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.A.Gopala Krishna 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	Associate 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.Muttaiah	Associate Professor	
11	Internal faculty	Mr.M Lakshmiprasad	Assistant Professor	
12	Internal faculty	Mr.S.Ramakrishna	Assistant Professor	
13	Internal faculty	Mr.R.Naresh	Assistant Professor	

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

BOS Chairman informed the details related to the V23 course structure, Syllabus III 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.A.Gopala Krishna 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.
- Academic Expert Dr.A Venu Gopal & Dr.M.Gopi Krishna pointed that to take the other department subjects for the mechanical students just like cyber security, introduction to artificial intelligence and machine learning for mechanical courses.
- University Nominee Dr A.Gopala Krishna & 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 III B.Tech MECH - Course outcomes of III 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 (III 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 III 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. 2025-26.
- BOS Chairman is informed to Hon'ble members about II B. Tech I sem academic results for the A. Y: 2024-25.

Decision: Noted

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

B.TECH III YEAR I SEMESTER

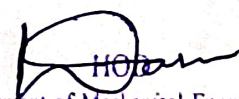
B.TECH III YEAR I SEMESTER

S. No	Category	Subject Code	Title	L	T	P	C
1	Professional Core	V231310331	Machine Tools and Metrology	3	0	0	3
2	Professional Core	V231310332	Thermal Engineering	3	0	0	3
3	Professional Core	V231310333	Design of Machine Elements	3	0	0	3
4	Professional Elective - I	V231310341	Design for Manufacturing	3	0	0	3
		V231310342	Conventional and futuristic vehicle technology				
		V231310343	Renewable Energy Technologies				
		V231310344	Non-destructive Evaluation				
5	Open Elective-I	OR Entrepreneurship Development & Venture Creation		3	0	0	3
		V231310351	1. Sustainable Energy Technologies				
		V231310352	2. Applied Operations Research				
		V231310353	3. Nano Technology				
		V231310354	4. Thermal Management of Electronic systems				
		V231310355	5. Entrepreneurship				
6	Professional Core	V231310361	Thermal Engineering Lab	0	0	3	1.5
7	Professional Core	V231310362	Theory of Machines Lab	0	0	3	1.5
8	Skill Enhancement course	V231310363	Machine tools and Metrology Lab	0	0	4	2
9	Engineering Science	V231310364	Tinkering Lab	0	0	2	1
10	Evaluation of Community Service Internship	V23131CC81	Community Service Internship	-	-	-	2
Total				15	0	10	23
MC		Minor Course (Student may select from the same specialized minors pool)		3	0	3	4.5
MC		Minor Course through SWAYAM / NPTEL (Minimum 12 Week, 3 credit course)		3	0	0	3
HC		Honors Course (Student may select from the same Honors pool)		3	0	0	3
HC		Honors Course (Student may select from the same Honors Pool)		3	0	0	3

B.Tech. III Year II Semester

S.No.	Category	Subject Code	Title	L	T	P	C
1	Professional Core	V231320331	Heat Transfer	3	0	0	3
2	Professional Core	V231320332	Artificial Intelligence and Machine Learning	3	0	0	3
3	Professional Core	V231320333	Finite Element Methods	3	0	0	3
4	Professional Elective-II	V231320341	Mechanical Vibrations	3	0	0	3
		V231320342	Advanced Manufacturing Processes				
		V231320343	Micro Electro Mechanical Systems				
		V231320344	Sensors and Instrumentation				
5	Professional Elective-III	V231320345	Energy Storage Technologies	3	0	0	3
		V231320346	Industrial Hydraulics and Pneumatics				
		V231320347	Industrial Robotics				
		V231320348	Refrigeration & Air-Conditioning				
6	Open Elective - II	V231320351	1.Introduction to Industrial Robotics	3	0	0	3
		V231320352	2. Industrial Management				
		V231320353	3. Additive Manufacturing				
		V231320354	4.Vehicle Technology				
		V231320355	5. Industrial Safety				
7	Professional Core	V231320361	Heat Transfer Lab	0	0	3	1.5
8	Professional Core	V231320362	Artificial Intelligence and Machine Learning Lab	0	0	3	1.5
9	Skill Enhancement course	V231320363	Robotics and Drone Technologies Lab	0	0	4	2
10	Audit Course	V2313203C1	Technical paper writing and IPR	2	0	0	-
Total				20	0	10	23
Mandatory Industry Internship of 08 weeks duration during summer vacation							
MC	Student may select from the same minors pool			3	0	3	4.5
MC	Minor Course (Student may select from the same specialized minors pool)			3	0	0	3
HC	Student may select from the same honors pool			3	0	0	3
HC	Honors Course (Student may select from the honors pool)			3	0	0	3

Date: 14-07-2025


 Department of Mechanical Engineering
 Sree Vaidhyanathan Institute of Science & Technology
BOS Chairperson
 TIRUVURU 521 235