

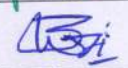
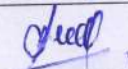

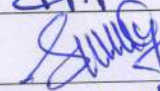
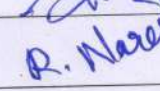


Date: 31-07-2024.

**Agenda of the Board of Studies 2<sup>nd</sup> Meeting to be held on 31-07-2024.**

1. Approval of B.Tech MECH- Course Structure & Syllabus of II B.Tech I & II Sem
2. Approval of B.Tech MECH-Course outcomes of II B.Tech I & II Sem.
3. Information on V23 Regulations- U.G (B.Tech)
4. Approval of M.Tech Machine Design- Course Structure & Syllabus of M. Tech III&IV sems
5. Approval of M.Tech Machine Design -Course outcomes of M.Tech III & IV Sems.
6. Information on V23 Regulations- P. G (M.Tech- Machine Design)
7. Information for teaching learning processes
8. 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	SubjectExperts (Academic)	Dr.A.Venu Gopal NITW. Warangal	Professor	Attend Online
4	SubjectExperts (Academic)	Dr.M.Gopi Krishna ANU, Guntur	Associate Professor	Attend Online
5	SubjectExpert (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(Ph.D)	
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 II B.Tech Mechanical Engineering V23 course structure.**

BOS Chairman informed the details related to the V23 course structure, Syllabus II 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 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 II B.Tech MECH - Course outcomes of II 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 (II 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 II M.Tech Machine Design - Course Structure & Syllabus of II M. Tech I & II sem and Information on V23 Regulations- P.G (M.Tech).**

BOS Chairman informed the details related to the V23 course structure, Syllabus II M.Tech I & II sem V23 regulations to all the BOS members.

*Decision:* Noted and approved the course structure, Syllabus. It is suggested to follow the curriculum of R19 for V23- M.Tech (Machine Design).

### **5. Approval of II B.Tech MECH - Course outcomes of II M.Tech I & II Sem**

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



**6.Information on V23 Regulations- P. G (M.Tech- Machine Design)**

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

**7.Informaion on teaching learning processes**

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

**8.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. 2024-25.
- .BOS Chairman is informed to Hon'ble members about II B. Tech II sem academic results for the A. Y: 2023-24.

***Decision:*** Noted



**B.TECH II YEAR I SEMESTER**

S.No.	Category	Title	Subject Code	L	T	P	Credits
1	BS	Numerical Methods and Transform Techniques	V231210321	3	0	0	3
2	HSMC	Universal Human Values– Understanding Harmony & Ethical Human Conduct	V23121CC11	2	1	0	3
3	Engineering Science	Thermodynamics	V2312103L1	2	0	0	2
4	Professional Core	Mechanics of Solids	V231210331	3	0	0	3
5	Professional Core	Material Science and Metallurgy	V231210332	3	0	0	3
6	Professional Core	Mechanics of Solids and Materials Science Lab	V231210361	0	0	3	1.5
7	Professional Core	Computer-aided Machine Drawing	V231210362	0	0	3	1.5
8	Engineering Science	Python programming Lab	V231210363	0	0	2	1.0
9	Skill Enhancement Course	Embedded Systems and IoT Lab	V231210364	0	1	2	2
10	Audit Course	Environmental Science	V23121CCC1	2	0	0	-
<b>Total</b>				<b>15</b>	<b>2</b>	<b>10</b>	<b>20</b>

**B.Tech.IIYearIISemester**

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**MECHANICAL ENGINEERING (V23 M.TECH COURSE STRUCTURE & SYLLABUS)**  
**PROGRAMME: MACHINE DESIGN**

**II .M.TECH-I SEMESTER**

S.No.	Code	Subject	Subject Code	L	T	P	Credits
1	<b>Programme Elective V</b>	Industrial Robotics	V2322115H1	3	0	0	3
		Advanced Optimization Techniques	V2322115H2	3	0	0	3
		Additive Manufacturing	V2322115H3	3	0	0	3
		Mechanics of Composite Materials	V2322115H4	3	0	0	3
		Vehicle Dynamics	V2322115H5	3	0	0	3
2	<b>Open Elective</b>	Nano Technology	V232211551	3	0	0	3
		Optimization Techniques	V232211552	3	0	0	3
		Industrial Safety	V232211553	3	0	0	3
		Dissertation Phase-I	V23221CCA1	0	0	20	10
3	<b>Dissertation</b>	Dissertation Phase-I	V23221CCA1	0	0	20	10
<b>Total</b>							<b>16</b>

**II .M.TECH-II SEMESTER**

S.No.	Code	Subject	Subject Code	L	T	P	Credits
1	Dissertation	Dissertation Phase-II	V23222CCA1	0	0	32	16
<b>Total</b>							<b>16</b>

Courses offered by Mechanical Engineering Department to other departments as Open electives.

S.No.	Subject	SUBJECT CODES	L	T	P	Credits
1	Industrial Robotics	V232211554	3	0	0	3
2	Operations Research	V232211555	3	0	0	3
3	Additive Manufacturing	V232211556	3	0	0	3
4	Experimental Techniques and Data Analysis	V232211557	3	0	0	3

Date: 31-07-2024

  
**BOS- Chairperson**

**HOD**

Department of Mechanical Engineering  
 Sree Vahini Institute of Science & Technology  
 TIRUPURU 521 235