



VIDYA JYOTHI INSTITUTE OF TECHNOLOGY

An Autonomous Institution

Aziznagar Gate, C.B. Post, Hyderabad - 500 075, Telangana.

Minutes of the Board of studies (Mech) meeting for R26 regulation for M.Tech I & II Year, I & II Semester held on 13th March 2026 at 02.30 PM

The following members were present.

S.No	Name of the Member	Designation	Status
1.	Dr.G.Sreeram Reddy	Professor, HoD, MED	Chairman
2.	Dr.K.Prasanna Lakshmi	Professor, JNTUH UCES	University Nominee
3.	Dr.K.Kishore	Professor, VCE	Member (Subject Expert 1)
4.	Dr.K.Sudhakar Reddy	Professor&HoD, MED, MGIT	Member (Subject Expert 2)
5.	Ms.A.Swapnika	Technical Director, Premier Engineering Industries Pvt. Ltd	Member (Industry Expert)
6.	Mr.N Ravi Kumar	Senior Developer ITC INFOTECH	Member (Alumnus of Dept.)
7.	Dr.V.V.Satyanarayana	Professor	Members Department Faculty
8.	Dr.B.Ravinder Reddy	Associate Professor	
9.	Dr.L.Madan Ananda Kumar	Associate Professor	
10.	Dr.J.Jagadesh Kumar	Associate Professor	
11.	Dr.J.Emeema	Associate Professor	

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Item No. 1: Approval of R26 M.Tech for I & II Year, I & II Semesters Course Structure & Syllabi

- a) The Chairperson presented the Course structure and syllabi of the following subjects of M.Tech I Year I Semester viz.

Course Code	Course Title	L	T	P	Credits
Professional Core – I	Advanced CAD	3	0	0	3
Professional Core – II	Additive Manufacturing	3	0	0	3
Professional Elective – I	1. Advanced Finite Element and Boundary Element Methods 2. Experimental Stress Analysis 3. Sustainable Manufacturing	3	0	0	3
Professional Elective – II	1. Automation in Manufacturing 2. Computer Aided Process Planning 3. Industrial Robotics	3	0	0	3
	Research Methodology and IPR	2	0	0	2
Lab – I	Advanced Computer Aided Design Lab	0	0	4	2
Lab – II	Additive Manufacturing Lab	0	0	4	2
Audit – I	Audit Course - I	2	0	0	0
Total		16	0	8	18

- b) The Chairperson presented the Course structure and syllabi of the following subjects of M.Tech I Year II Semester viz.

Course Code	Course Title	L	T	P	Credits
Professional Core – III	Computer Integrated Manufacturing	3	0	0	3
Professional Core – IV	Manufacturing Systems: Simulation Modelling and Analysis	3	0	0	3
Professional Elective – III	1. Intelligent Manufacturing Systems 2. Smart Manufacturing 3. Optimization Techniques and Applications	3	0	0	3
Professional Elective – IV	1. Mechatronics 2. MEMS: Design and Manufacturing 3. Fuzzy Logic and Neural Networks	3	0	0	3
	Mini Project with Seminar	0	0	4	2
Lab – III	Simulation of Manufacturing Systems Lab	0	0	4	2
Lab – IV	Computer Aided Manufacturing Lab	0	0	4	2
Audit – II	Audit Course- II	2	0	0	0
Total		14	0	12	18

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- c) The Chairperson presented the Course structure and syllabi of the following subjects of M.Tech II Year I Semester viz.

Course Code	Course Title	L	T	P	Credits
Professional Elective – V	1. Design for Manufacturing and Assembly	3	0	0	3
	2. Composite Materials				
	3. Artificial Intelligence Manufacturing				
Open Elective	Open Elective	3	0	0	3
Dissertation	Dissertation Work Review - II	0	0	18	6
Total		6	0	18	12

- d) The Chairperson presented the Course structure and syllabi of the following subjects of M.Tech II Year II Semester viz.

Course Code	Course Title	L	T	P	Credits
Dissertation	Dissertation Work Review - III	0	0	18	6
Dissertation	Dissertation Viva-Voce	0	0	42	14
Total		0	0	60	20

*For Dissertation Work Review - I, Please refer R26 Academic Regulations.

Audit Course I:

1. English for Research Paper Writing
2. Disaster Management
3. Sanskrit for Technical Knowledge
4. Value Education

Audit Course II:

1. Constitution of India
2. Pedagogy Studies
3. Stress Management by Yoga
4. Personality Development through Life Enlightenment Skills

Open Elective:

1. Concurrent Engineering
2. Industrial Safety

Item No 2: To approve the Panel of examiners and adding new Courses

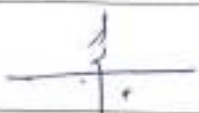
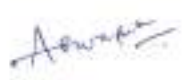
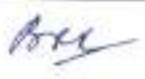
1. The Chairman BOS is authorized to incorporate new subjects in Professional electives as per the need and he is also authorized to give panel of Examiners for setting Question papers and evaluating the Answer scripts.

Item No 3: R25 regulation as prescribed by JNTUH, Hyderabad is adopted in toto for evaluation.



Noted and Approved

Signatures of the Members Present:

S.No	Name of the Member	Designation	Signature
1.	Dr.G.Sreeram Reddy	Professor, HoD, MED	
2.	Dr.K.Prasanna Lakshmi	Professor, JNTUH UCES	K. Prasanna Lakshmi
3.	Dr.K.Kishore	Professor, VCE	
4.	Dr.K.Sudhakar Reddy	Professor & HoD, MED, MGIT	
5.	Ms.A.Swapnika	Technical Director, Premier Engineering Industries Pvt. Ltd	
6.	Mr.N Ravi Kumar	Senior Developer ITC INFOTECH	
7.	Dr.V.V.Satyanarayana	Professor	
8.	Dr.B.Ravinder Reddy	Associate Professor	
9.	Dr.L.Madan Ananda Kumar	Associate Professor	
10.	Dr.J.Jagadesh Kumar	Associate Professor	
11.	Dr.J.Emcema	Associate Professor	



M. Tech., CAD/CAM
R26 COURSE STRUCTURE AND SYLLABUS

I Year I Semester

Course Code	Course Title	L	T	P	Credits
Professional Core – I	Advanced CAD	3	0	0	3
Professional Core – II	Additive Manufacturing	3	0	0	3
Professional Elective – I	1. Advanced Finite Element and Boundary Element Methods 2. Experimental Stress Analysis 3. Sustainable Manufacturing	3	0	0	3
Professional Elective – II	1. Automation in Manufacturing 2. Computer Aided Process Planning 3. Industrial Robotics	3	0	0	3
	Research Methodology and IPR	2	0	0	2
Lab – I	Advanced Computer Aided Design Lab	0	0	4	2
Lab – II	Additive Manufacturing Lab	0	0	4	2
Audit – I	Audit Course - I	2	0	0	0
Total		16	0	8	18

I Year II Semester

Course Code	Course Title	L	T	P	Credits
Professional Core – III	Computer Integrated Manufacturing	3	0	0	3
Professional Core – IV	Manufacturing Systems: Simulation Modelling and Analysis	3	0	0	3
Professional Elective – III	1. Intelligent Manufacturing Systems 2. Smart Manufacturing 3. Optimization Techniques and Applications	3	0	0	3
Professional Elective – IV	1. Mechatronics 2. MEMS: Design and Manufacturing 3. Fuzzy Logic and Neural Networks	3	0	0	3
	Mini Project with Seminar	0	0	4	2
Lab – III	Simulation of Manufacturing Systems Lab	0	0	4	2
Lab – IV	Computer Aided Manufacturing Lab	0	0	4	2
Audit – II	Audit Course- II	2	0	0	0
Total		14	0	12	18

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II Year I Semester

Course Code	Course Title	L	T	P	Credits
Professional Elective – V	1. Design for Manufacturing and Assembly	3	0	0	3
	2. Composite Materials				
	3. Artificial Intelligence Manufacturing				
Open Elective	Open Elective	3	0	0	3
Dissertation	Dissertation Work Review - II	0	0	18	6
Total		6	0	18	12

II YEAR II SEMESTER

Course Code	Course Title	L	T	P	Credits
Dissertation	Dissertation Work Review - III	0	0	18	6
Dissertation	Dissertation Viva-Voce	0	0	42	14
Total		0	0	60	20

*For Dissertation Work Review - I, Please refer R26 Academic Regulations.

Audit Course I:

1. English for Research Paper Writing
2. Disaster Management
3. Sanskrit for Technical Knowledge
4. Value Education

Audit Course II:

1. Constitution of India
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3. Stress Management by Yoga
4. Personality Development through Life Enlightenment Skills

Open Elective:

1. Concurrent Engineering
2. Industrial Safety

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