

**COURSE STRUCTURE
FOR
M.Tech
CAD/CAM**

(Applicable for Batches Admitted from 2020 - 2021)



**An Autonomous Institution
NBA Accredited & NAAC A+**

Godavari institute of Engg & Technology

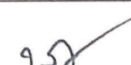
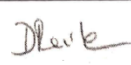









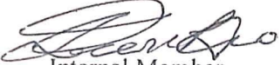

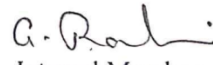

**Approved By AICTE NAAC 'A+' Grade Recognized by UGC, U/Sec.2(f)&12(B) Permanent affiliation by JNTUK
GIET Campus, Chaitanya Knowledge city, NH-16, Rajahmundry, East Godavari, A.P.**

Tel:+91-883-2484828-31 www.giet.ac.in




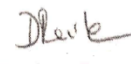


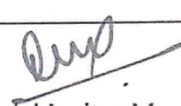


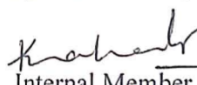


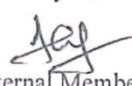
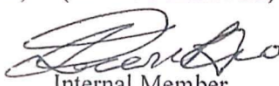
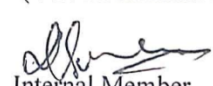
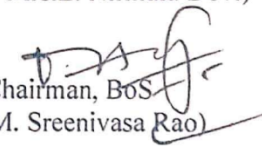
I SEMESTER

S.No	Course Code	Category	Course Name	L	T	P	Credits	Internal Marks	External Marks	Total
1	20231101	PC	Geometric Modeling	3	0	0	3	30	70	100
2	20231102	PC	Computer Aided Manufacturing	3	0	0	3	30	70	100
3		PE	Program Elective – 1	3	0	0	3	30	70	100
	20231164A		Computational Methods in Engineering							
	20231164B		Composite Materials							
	20231164C		Industrial Robotics							
4		PE	Program Elective – 2	3	0	0	3	30	70	100
	20231165A		Mechatronics							
	20231165B		Mechanical Vibrations							
	20231165C		Product Design and Development							
5	20231103	CC	Research Methodology	2	0	0	2	30	70	100
6	20201111	LB	Advanced CAD Lab	0	0	4	2	30	70	100
7	20231112	LB	Manufacturing Lab	0	0	4	2	30	70	100
8		AC	Audit Course –I	2	0	0	0	30	70	100
	20231196		English for Research Paper Writing							
	20231196a		Disaster Management							
	20231196b		Value Education							
Total				16	0	8	18	240	560	800

 University Nominee (Dr. B. Balakrishna)	 Subject Expert (Dr. D. Ravi Kumar)	 Industrial Expert (Mr. Rajiv Aramadaka)	 Internal Member (Dr. P.M.M.S. Sarma)	 Special Invitee Member (Dr.M.V.Sekhar Babu)
 Internal Member (Dr. T. Jayananda Kumar)	 Internal Member (Dr. D. Santha Rao)	 Internal Member (Mr. Kedarath M)	 Internal Member (Mr. B. Joga Rao)	 Internal Member (Mrs.E. Nirmala Devi)
 Internal Member (Mr.M. Balakrishna)	 Internal Member (Mr. P.Veera Raju)	 Internal Member (Mr. D. Suman)	 Internal Member (Mr. G Ramakrishna)	 Chairman, BOS (Dr. M. Sreenivasa Rao)


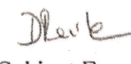


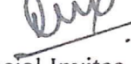


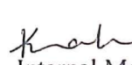





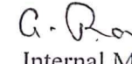
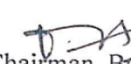
II SEMESTER

S. No	Course Code	Category	Course Name	L	T	P	Credits	Internal Marks	External Marks	Total
1	20231201	PC	Optimization & Reliability	3	0	0	3	30	70	100
2	20231202	PC	Advanced Manufacturing Processes	3	0	0	3	30	70	100
3		PE	Program Elective – 3	3	0	0	3	30	70	100
	20231263A		Additive Manufacturing							
	20231263B		Hydraulic and Pneumatic Systems							
	20231263C		Modeling and Simulation of Manufacturing Systems							
4		PE	Program Elective – 4	3	0	0	3	30	70	100
	20231264A		Materials Characterization Techniques							
	20231264B		Automation in Manufacturing							
	20231264C		Finite Element Method							
5	20231211	LB	Simulation of Manufacturing Lab	0	0	4	2	30	70	100
6	20231212	LB	Material Characterization Lab	0	0	4	2	30	70	100
7	20231221	MP	Mini Project With Seminar	2	0	0	2	100	--	100
8		AC	Audit Course –II	2	0	0	0	30	70	100
	20231295		Constitution of India							
	20231295a		Pedagogy Studies							
	20231295b		Personality Development Through Life Enlightenment Skills							
Total				16	0	8	18	310	490	800

 University Nominee (Dr. B. Balakrishna)	 Subject Expert (Dr. D. Ravi Kumar)	 Industrial Expert (Mr. Rajiv Aramadaka)	 Internal Member (Dr. P.M.M.S. Sarma)	 Special Invitee Member (Dr.M.V.Sekhar Babu)
 Internal Member (Dr. T. Jayananda Kumar)	 Internal Member (Dr. D. Santha Rao)	 Internal Member (Mr. Kedarath M)	 Internal Member (Mr. B. Joga Rao)	 Internal Member (Mrs. E. Nirmala Devi)
 Internal Member (Mr. M. Balakrishna)	 Internal Member (Mr. P. Veera Raju)	 Internal Member (Mr. D. Suman)	 Internal Member (Mr. G Ramakrishna)	 Chairman, BOS (Dr. M. Sreenivasa Rao)


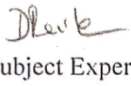

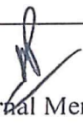
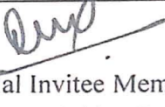


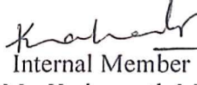


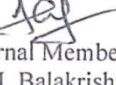
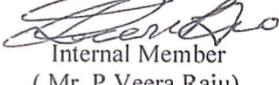

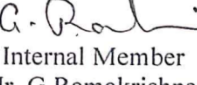
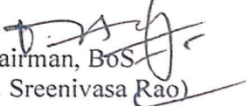
III SEMESTER

S.No	Course Code	Category	Course Name	L	T	P	Credits	Internal Marks	External Marks	Total
1	20231361A	PE	Program Elective – 5	3	0	0	3	30	70	100
			Quality Engineering in Manufacturing							
	20231361B		Green Manufacturing							
	20231361C		MOOCS-1 (NPTEL/ SWAYAM) 12 Week program related to the programme which is not listed in the course structure.							
2	20231361e	OE	MOOCS-2(NPTEL/ SWAYAM) Any12 Week Course on Engineering/Management/ Mathematics offered by other than parent department.	3	0	0	3	30	70	100
			Open Elective							
	20231362a		Composite Materials, Cost Management of Engineering Projects							
	20231362b		Energy Management							
	20231362c		Internet of Things and Applications							
	20231362d		Cyber Security							
3	20231341	PJ	Dissertation-I/ Industrial Project	0	0	20	10	-	-	-
			Total	6	0	20	16	60	140	200

 University Nominee (Dr. B. Balakrishna)	 Subject Expert (Dr. D. Ravi Kumar)	 Industrial Expert (Mr. Rajiv Aramadaka)	 Internal Member (Dr. P.M.M.S. Sarma)	 Special Invitee Member (Dr.M.V.Sekhar Babu)
 Internal Member (Dr. T. Jayananda Kumar)	 Internal Member (Dr. D. Santha Rao)	 Internal Member (Mr. Kedarath M)	 Internal Member (Mr. B.Joga Rao)	 Internal Member (Mrs.E. Nirmala Devi)
 Internal Member (Mr.M. Balakrishna)	 Internal Member (Mr. P. Veera Raju)	 Internal Member (Mr. D. Suman)	 Internal Member (Mr. G Ramakrishna)	 Chairman, BoS (Dr. M. Sreenivasa Rao)

IV Semester

S. No	Course Code	Category	Course Name	L	T	P	Credits	Internal Marks	External Marks	Total
1	20231441	PJ	Dissertation -II	0	0	32	16	-	-	-
Total				0	0	32	16	-	-	-

 University Nominee (Dr. B. Balakrishna)	 Subject Expert (Dr. D. Ravi Kumar)	 Industrial Expert (Mr. Rajiv Aramadaka)	 Internal Member (Dr. P.M.M.S. Sarma)	 Special Invitee Member (Dr.M.V.Sekhar Babu)
 Internal Member (Dr. T. Jayananda Kumar)	 Internal Member (Dr. D. Santha Rao)	 Internal Member (Mr. Kedarath M)	 Internal Member (Mr. B.Joga Rao)	 Internal Member (Mrs.E. Nirmala Devi)
 Internal Member (Mr.M. Balakrishna)	 Internal Member (Mr. P. Veera Raju)	 Internal Member (Mr. D. Suman)	 Internal Member (Mr. G Ramakrishna)	 Chairman, BoS (Dr. M. Sreenivasa Rao)