

**GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY (A)  
CHAITANYA NAGAR, RAJAHMUNDRY**

**Programme Structure of  
M.Tech. Programme in Computer Science & Engineering  
GRMT-20  
A.Y: 2020-21**

**I Year I Semester**

S. No	Course Code	Course Type	Course Title	Periods per week				Scheme of Examination Maximum Marks		
				L	T	P	C	Int.	Ext.	Total
1	20251101	PCC	Mathematical Foundations of Computer Science	3	0	0	3	30	70	100
2	20251102	PCC	Advanced Data Structures	3	0	0	3	30	70	100
3	20251163	PEC	Program Elective-1	3	0	0	3	30	70	100
4	20251164	PEC	Program Elective-2	3	0	0	3	30	70	100
5	20251105	CC	Research Methodology	2	0	0	2	30	70	100
6	20251116	PCC	Advanced Data Structures Lab	0	0	4	2	30	70	100
7	20251117	PCC	Advanced Computing Lab	0	0	4	2	30	70	100
8	20251198	MC	Audit Course-1 *	2	0	0	0	---	---	---
<b>Total</b>				<b>16</b>	<b>0</b>	<b>8</b>	<b>18</b>	<b>210</b>	<b>490</b>	<b>700</b>

**I Year II Semester**

S. No	Course Code	Course Type	Course Title	Periods per week				Scheme of Examination Maximum Marks		
				L	T	P	C	Int.	Ext.	Total
1	20251201	PCC	Machine Learning	3	0	0	3	30	70	100
2	20251202	PCC	MEAN Stack Technologies	3	0	0	3	30	70	100
3	20251263	PEC	Program Elective-3	3	0	0	3	30	70	100
4	20251264	PEC	Program Elective-4	3	0	0	3	30	70	100
5	20251215	PCC	Machine Learning with Python lab	0	0	4	2	30	70	100
6	20251216	PCC	MEAN Stack Technologies Lab	0	0	4	2	30	70	100
7	20251227	PR	Mini Project with Seminar	2	0	0	2	100	---	100
8	20251298	MC	Audit Course-2 *	2	0	0	0	---	---	---
<b>Total</b>				<b>16</b>	<b>0</b>	<b>8</b>	<b>18</b>	<b>210</b>	<b>490</b>	<b>700</b>

**Audit Courses-1&2**

1. English for Research Paper Writing
2. Constitution of India
3. Disaster Management
4. Pedagogy Studies
5. Value Education
6. Personality Development through Life Enlightenment skills

  
**University Nominee**  
 PROFESSOR  
 Dept. of Computer Science & Engg  
 J. N. T. U. College of Engineering  
 KAKINADA - 533 003.

  
**Subject Expert**

  
**Industry**

  
**BOS-Chairman**

Head of the Department  
 Computer Science & Engineering  
 Godavari Institute of Engineering & Technology (A)  
 NH- 16, Chaitanya Knowledge City,  
 PATAMAHENDRAVARAM, A.P., INDIA - 533 296.

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**II Year I Semester**

S. No	Course Code	Course Type	Course Title	Periods per week			C	Scheme of Examination Maximum Marks		
				L	T	P		Int.	Ext.	Total
1	20251361	PEC	Program Elective-5/ MOOCs-1	3	0	0	3	30	70	100
2	20251362	OEC	Open Elective/ MOOCs-2	3	0	0	3	30	70	100
3	20251341	PR	Dissertation-I/ Industrial Project <sup>#</sup>	0	0	20	10	---	---	---
<b>Total</b>				<b>6</b>	<b>0</b>	<b>20</b>	<b>16</b>	<b>60</b>	<b>140</b>	<b>200</b>

**II Year II Semester**


S. No	Course Code	Course Type	Course Title	Periods per week			C	Scheme of Examination Maximum Marks		
				L	T	P		Int.	Ext.	Total
1	20251441	PR	Dissertation-II/ Industrial Project <sup>#</sup>	0	0	32	16	---	---	---
<b>Total</b>				<b>0</b>	<b>0</b>	<b>32</b>	<b>16</b>	<b>---</b>	<b>---</b>	<b>---</b>

**Program Electives**

	<b>A</b>	<b>B</b>	<b>C</b>
<b>PE-1-A-C</b>	Big Data Analytics	Digital Image Processing	Advanced Operating Systems
<b>PE-2-A-C</b>	Advanced Computer Networks	Internet of Things	Object Oriented Software Engineering
<b>PE-3-A-C</b>	Advanced Databases	Data Mining	Data Science
<b>PE-4-A-C</b>	Cloud Computing	Principles of Computer Security	High Performance Computing
<b>PE-5-A-C</b>	Deep Learning	Social Network Analysis	<b>MOOCs-1:</b> (NPTEL/SWAYAM) 12-Week Program related to the programme which is not listed in the course structure


**Open Electives**

<b>MOOCs-2:</b> (NPTEL/SWAYAM) - Any 12-Week Course on Engineering/ Management/ Mathematics offered by other than parent department	
Course offered by CSE	1.Machine Learning 2.Cyber Security

  
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