An Autonomous Programmed Structure for

M. Tech. Electronics and Telecommunication Engineering

Specialization: Artificial Intelligence (AY: 2024-2025 Onwards)

First Year | Semester-I

Course Code	Course Title	Teaching Scheme Hours / Week			Cr	Examination Scheme			Total Marks
		L	T	P		ISE	ESE	Pr/Or	
24PCMEC101	Mathematics for Artificial Intelligence	3	1	0	4	50	50	0	100
24PCMEC102	Artificial Intelligence	3	1	0	4	50	50	0	100
24PCMEC103	Machine Learning	3	0	0	3	50	50	0	100
24PCMEC104	Optimization Techniques	3	1	0	4	50	50	0	100
24OEM101	Open Elective	3	0	0	3	50	50	0	100
24PCMEC102L	Artificial Intelligence Lab	0	0	2	1	25	0	25	50
24PCMEC103L	Machine Learning Lab	0	0	2	1	25	0	25	50
	Total	**15**	**3**	**4**	**20**	**300**	**250**	**50**	**600**

First Year | Semester-II

Course Code	Course Title	Teaching Scheme Hours / Week			Cr	Examination Scheme			Total Marks
		L	T	P		ISE	ESE	Pr/Or	
24PCMEC201	Big Data Analytics	3	0	0	3	50	50	0	100
24PCMEC202	Deep Learning	3	0	0	3	50	50	0	100
24PCMEC203	AI in Wireless Communication	3	1	0	4	50	50	0	100
24PCMEC204	Computer Vision	3	1	0	4	50	50	0	100
24PEMEC201	Program Elective	3	0	0	3	50	50	0	100
24PCMEC201L	Data Analytics Lab	0	0	2	1	25	0	25	50
24PCMEC202L	Deep Learning Lab	0	0	2	1	25	0	25	50
24PEMEC201L	Program Elective Lab	0	0	2	1	25	0	25	50
	Total =	**15**	**2**	**6**	**20**	**325**	**250**	**75**	**650**

L=Lecture, T=Tutorial, P= Practical, Cr= Credits, ISE =In Semester Evaluation, ESE =End Semester Examination, Pr/Or = Practical/Oral

Program Elective: -
1. 24PEMEC201A Natural Language Processing
2. 24PEMEC201B Soft Computing

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Curriculum for PG Degree Course in M. Tech.
Electronics and Telecommunication Engineering

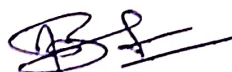### (Academic Year: 2024-25 Onwards)

Second Year | Semester-I

Course Code	Course Title	Teaching Scheme Hours / Week			Cr	Examination Scheme			Total Marks
		L	T	P		ISE	ESE	Pr/Or	
24VSECMME301	Skill Enhancement Course#	4	0	0	4	50	50	-	100
24INTRM301	Internship based project	--	--	12* Weeks	16	100	-	100	200
	Total =	4	0	0	20	150	50	100	300

- This course can be learned in online self-learning mode *[of Min. 8 weeks duration & available on NPTEL platform]* #
- Minimum duration for Internship 12 weeks *

Course Code	Course Title	Teaching Scheme Hours / Week			Cr	Examination Scheme			Total Marks
		L	T	P		ISE	ESE	Pr/Or	
24VSECMME401	Technical / Research Report / Paper writing	4	0	0	4	50	50	-	100
24INTRM401	Internship based project	--	--	14* Weeks	16	100	-	100	200
	Total =	4	0	0	20	150	50	100	300

Second Year | Semester-II

- Minimum duration for Internship 14 weeks *
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