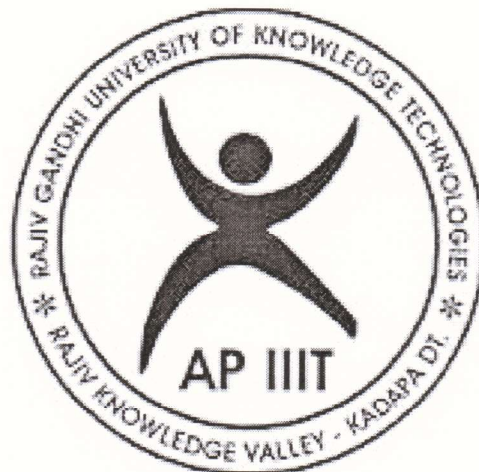


M.TECH in ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (AI & ML)
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

(FOR THE STUDENTS ADMITTED IN 2021-22)



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES
ANDHRA PRADESH

The details of M.Tech Program:

S No.	M.Tech Program	Program offering Department	Program offering Campus	Remarks	Intake
1.	Artificial Intelligence and Machine Learning (AI & ML)	Computer Science and Engineering	RK Valley	AICTE approved	18

Eligibility criteria for M.Tech in AI & ML:

M.Tech Programme	Eligibility Criteria
Artificial Intelligence and Machine Learning (AI & ML)	<p>Candidate must qualify in GATE in Computer science and Information technology (Paper Code: CS) with any one of the following qualifying degree:</p> <p>B.E. or B.Tech. in Computer Science and Engineering/Information Technology/ Information Science Engineering/Electronics and Communication Engineering /Electrical Engineering/Electrical and Electronics Engineering/ Electrical and Instrumentation/ MCA / M Sc in Computer Science or Information Science or Information Technology.</p> <p>The balance unfilled seats, if any can be filled with candidates qualified in PGECET in Computer science and Information technology (Paper Code: CS) with above specified qualifying degree.</p>

K. Sandhya Rani

DIRECTOR
RGUKT RK Valley
Idupulapaya, Kadapa - 516 330.

Structure and Syllabus

M.Tech (Artificial Intelligence and Machine Learning)

SEMESTER-WISE STRUCTURE OF CURRICULUM				
SEM--1 (21 credits)				
Course Code	Course Type	SUBJECTS	Hrs	CRE DITS
21AI1101	PCC	Advanced Data Structures and Algorithms	4	3
21AI1102	PCC	Mathematical Foundation for Machine Learning	4	3
21AI1103	PCC	Artificial Intelligence and Neural Networks	4	3
21AI111X	PEC	Program Elective-I 1. Machine Learning Techniques 2. Data Mining and Data warehousing 3. Image Processing	3	3
21AI116X	OEC	Open Elective 1. Business Analytics 2. Industrial Safety 3. Operations Research 4. Cost Management of Engineering Projects 5. Composite Materials 6. Waste to Energy	3	3
21AI1181	PCCL	Advanced Data Structures and ANN Lab	3	2
21AI1182	PCCL	Python Programming Lab for Machine Learning	3	2
21AI1171	MC	Research methodology and IPR (mandatory)	2	2
21AI1172	MC	Audit course	2	0
SEM--2 (18 credits)				
Course Code	Course Type	Subject	Hrs	CRE DITS
21AI1201	PCC	Advanced Neural Networks	4	3
21AI1202	PCC	Natural Language Processing	4	3
21AI121X	PEC	Program Elective-2 1. Computer Vision 2. Speech Technology	3	3

K. Sandhya Rani

DIRECTOR
RGUKT RK Valley
Idupulanava, Kadana - 516 330

		3. Text mining 4. Reinforcement Learning		
21AI121X	PEC	Program Elective-3 1. Probabilistic Graphical Models 2. Big Data Frameworks 3. Advanced Optimization methods for Machine Learning 4. Game Theory	3	3
21AI1281	PCCL	Advanced Neural Networks Lab	3	2
21AI1282	PCCL	Natural Language Processing Lab	3	2
21AI1271	MC	Seminar	-	2
21AI1272	MC	Audit Course	2	0
SEM—3 (14 credits)				
21AI2181	PROJ	Dissertation	-	14
SEM—4 (14 credits)				
21AI2281	PROJ	Dissertation	-	14

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 DIRECTOR
 RGUKT RK Valley
 Idupulapaya, Kadapa - 516 330.