



# MARRI LAXMAN REDDY INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(AN AUTONOMOUS INSTITUTION)

(Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad)

Accredited by NBA and NAAC with 'A' Grade & Recognized Under Section 2(f) & 12(B) of the UGC act 1956

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### 2023-24 POs Attainments and Actions.

<b>PO1 - Research / Investigation: An ability to independently carry out research /investigation and development work to solve practical problems.</b>	
PO Average:2.21 PO Target: 80% of PO Average =1.76 PO Attainment=2.43	PO1 Target is achieved
<b>Action 1:</b> Students were guided and encouraged to publish their research work in journals, conferences, and institutional magazines. <b>Action 2:</b> Students were encouraged to participate in technical events and industrial visits to gain exposure to real-world engineering challenges.	
<b>PO2 - Report Preparation: An ability to write and present a substantial technical report/document</b>	
PO Average:2.21 PO Target: 80% of PO Average =1.76 PO Attainment=2.42	PO2 Target is achieved
<b>Action 1:</b> Sample reports and evaluation rubrics were provided to help students understand effective report writing practices. <b>Action 2:</b> Training sessions were conducted on plagiarism awareness, reducing similarity index, and promoting ethical research writing.	
<b>PO3: Students should be able to demonstrate advanced proficiency in Computer Science and allied emerging areas of Engineering.</b>	
PO Average:2.06 PO Target: 80% of PO Average =1.64 PO Attainment=2.39	PO3 Target is achieved
<b>Action 1:</b> Guest lectures were organized by industry experts on emerging technologies such as Artificial Intelligence and Robotic Process Automation. <b>Action 2:</b> E-learning resources (DSS) and structured assessments were used to strengthen understanding of Advanced Data Structures and Machine Learning concepts.	
<b>PO4: Students should be able to identify, analyze, and effectively solve complex real-world problems by applying advanced computing concepts, while considering solutions from a global perspective.</b>	
PO Average:2.09 PO Target: 80% of PO Average =1.67 PO Attainment=2.38	PO4 Target is achieved
<b>Action 1:</b> Open-ended experiments were introduced in laboratory courses to develop analytical and modelling skills. <b>Action 2:</b> Faculty encouraged students to work on real-world problems as academic projects and publish their outcomes in reputed journals and conferences.	
<b>PO5: An ability to acquire and apply advanced technical knowledge, professional skills, and modern computing tools to develop sustainable solutions.</b>	
PO Average:2.03 PO Target: 80% of PO Average =1.62 PO Attainment=2.47	PO5 Target is achieved
<b>Action 1:</b> ICT-based lecture videos were provided to support better understanding, especially for slow	

learners.

**Action 2:** Assessment rubrics included evaluation of tool usage, quality of experimentation, and sustainability considerations.

**PO6: An Ability to recognize the significance of lifelong learning and actively pursue continuous professional development by adapting technologies in emerging areas.**

PO Average:2.06

PO Target: 80% of PO Average =1.64

PO Attainment=2.41

PO6 Target is achieved

**Action 1:** Industry-oriented training programs were conducted to bridge skill gaps in emerging technologies such as Artificial Intelligence.

**Action 2:** Students were encouraged and guided to pursue higher studies in areas like Cyber Security, Machine Learning, and Artificial Intelligence in premier institutions.

  
Head of the Department  
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### PO Attainments for the Admitted batch 2022-24

S.No	Year /SEM	Subject	Code	PO1	PO2	PO3	PO4	PO5	O6
1	I-I	Artificial Intelligence	2215801	2.8	2.8	2.8	2.8	2.8	2.8
2	I-I	Advanced Data Structures	2215802	2.68	3	2.66	2.79	3	2.7
3	I-I	Database Programming With Pl/Sql	2215813	2.16	2.24	2.16	2.23	2.16	2.24
4	I-I	Software Quality Engineering	2215804	3	3	3	3	3	3
5	I-I	Advanced Data Structures Lab	2215831	2.73	2.72	2.72	2.75	2.71	2.72
6	I-I	Database Programming With Pl/Sql Lab	2215832	2.96	2.96	2.96	2.96	2.93	2.96
7	I-I	Research Methodology & Ipr	2211234	2.83	2.83	2.81	2.81	2.79	2.83
8	I-I	Disaster Management	2215856	0	2.84	0	2.84	2.84	0
9	I-II	Advanced Algorithms	2225804	1.83	1.81	1.83	1.83	1.75	1.77
10	I-II	Machine Learning	2225805	2.42	2.66	2.43	2.49	2.46	2.46
11	I-II	Advanced Computer Networks	2225820	2.83	2.8	2.84	2.85	2.8	2.84
12	I-II	Robotic Process Automation	2225824	2.73	2.64	2.72	2.64	2.8	2.51
13	I-II	Advanced Algorithms Lab	2225835	2.87	2.84	2.84	2.84	2.84	2.84
14	I-II	Advanced Computer Networks Lab	2225837	2.8	2.84	2.85	2.84	2.84	2.84
15	I-II	Mini Project With Seminar	2225839	2.88	2.88	2.88	2.88	2.88	3
16	I-II	Constitution Of India	2220008	0	1.36	0	1.4	1.43	1.4
17	II-I	High Performance Computing	2235826	1.42	1.56	1.44	1.44	1.44	1.43
18	II-I	Fundamentals Of Nano Technology	2235503	2.13	2.1	2.17	2.2	2.09	2.17
19	II-I	Dissertation Work Review I	2234004	2.88	2.88	2.88	2.88	2.88	2.88
20	II-II	Dissertation Work Review II	2245846	2.76	2.76	2.76	3	3	3
21	II-II	Viva Voce	2245847	2.8	2.8	3	3	2.8	3
Direct				2.61	2.59	2.62	2.59	2.58	2.57
				2.00	2.00	2.00	2.00	2.00	2.00
				2.00	1.00	1.00	1.00	2.00	2.00
				1.00	2.00	1.00	1.00	2.00	1.00
Indirect avg				0.35	0.35	0.30	0.30	0.40	0.35
<b>PO Attainment</b>				<b>2.43</b>	<b>2.42</b>	<b>2.39</b>	<b>2.38</b>	<b>2.47</b>	<b>2.41</b>

*A. Sankar*

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