




**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
**KAKINADA – 533 003, Andhra Pradesh, India**

**DEPARTMENT OF CSE - ARTIFICIAL INTELLIGENCE & DATA SCIENCE**

<b>IV B. Tech –I Semester(Tentative)</b>						
S.No	Course Code	Course Title	Hoursperweek			Credits
			L	T	P	
1	PE	<b>Professional Elective-III</b> 1. Reinforcement Learning 2. Nature Inspired Computing Techniques 3. Social Media Analytics 4. Block Chain Technologies	3	0	0	3
2	PE	<b>Professional Elective-IV</b> 1. Computer Vision 2. Cloud Computing 3. Information Retrieval Systems 4. NOSQL Databases	3	0	0	3
3	PE	<b>Professional Elective-V</b> 1. Social Network Analysis 2. Recommender Systems 3. AI Chatbots 4. Data Visualization	3	0	0	3
4	Open Elective /Job Oriented	<b>Open Elective-III</b> Open Electives offered by other departments/ API and Micro services (Job Oriented Course)	3	0	0	3
5	Open Elective /Job Oriented	<b>Open Elective-IV</b> Open Electives offered by other departments/ Secure Coding Techniques (Job Oriented Course)	3	0	0	3
6	HS	Universal Human Values 2: Understanding Harmony	3	0	0	3
7	SO	1.Machine Learning with Go (Infosys Spring Board) 2.MEAN Stack Technologies-Module II-MongoDB, Express. js, Angular JS Node.js, and AJAX	0	0	4	2
8	PR	<b>Industrial/Research Internship 2 months (Mandatory) after third year (to be evaluated during VII semester</b>	0	0	0	3
<b>Total credits</b>						<b>23</b>
9	Minor	Data Wrangling in Data Science <sup>S</sup>	3	0	2	4
<b>Minor courses through SWAYAM</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>

\$- Integrated Course

  
 PHINCIPAL  
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