



## Koneru Lakshmaiah Education Foundation

(Deemed to be University estd. u/s. 3 of the UGC Act, 1956)

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Campus: Green Fields, Vaddeswaram - 522 502, Guntur District, Andhra Pradesh, INDIA.

Phone No. 0863 - 2399999; www.klef.ac.in; www.klef.edu.in; www.kluniversity.in

Admin Off: 29-36-38, Museum Road, Governorpet, Vijayawada - 520 002. Ph: +91 - 866 -2577715, Fax: +91-866-2577717.

Semester-1											
Sl#	Year	Semester	Course Code	Course Title	L	T	P	S	Cr	CH	
1	1	1	23UC5201	Professional Communication Skills	0	0	4	0	0	4	
2	1	1	23CT5101	Linear Algebra	2	2	0	0	4	4	
3	1	1	23CT5102	Relational Algebra and Database Management System	2	0	2	4	4	8	
4	1	1	23CT5103	Applied Discrete structures	2	2	0	0	4	4	
5	1	1	23CT5104	Mathematical Modelling & Numerical Methods using MATLAB	2	0	2	0	3	4	
6	1	1	23CT5105	Computational Thinking for Structured Design THROUGH C++	2	0	2	4	4	8	
<b>Total</b>					<b>10</b>	<b>4</b>	<b>10</b>	<b>8</b>	<b>19</b>	<b>32</b>	

Semester-2											
Sl#	Year	Semester	Course Code	Course Title	L	T	P	S	Cr	CH	
1	1	2	23UC5102	Essentials of Research Design	2	0	2	0	3	4	
2	1	2	23CT5201	Data Structures and Design of Algorithms	2	0	2	4	4	8	
3	1	2	23CT5202	Probability and Statistics	2	0	2	4	4	8	
4	1	2	23CT5203	Matrix Computation	2	0	2	4	4	8	
5	1	2		PE-1							
6	1	2	23CT5204	Colloquium-2	2	0	0	0	0	2	
<b>Total</b>											

Semester-3										
Sl#	Year	Semester	Course Code	Course Title	L	T	P/S	Cr	CH	
1	2	1	23CT6101	Minor Project	0	0	4	4	3	
2	2	1	23CT6102	Mathematical Programming	2	2	0	0	4	
3	2	1	23CT6103	Transform Techniques for Engineering	2	2	0	0	4	
4	2	1		FLEXI-CORE COURSE	2	2	0	0	4	
5	2	1	23UC6103	VAC	2	0	0	0	0	
6	2	1		OPEN ELECTIVE - 1	3	0	0	0	3	
7	2	1		PE-2						
Total										

Semester-4										
Sl#	Year	Semester	Course Code	Course Title	L	T	P	S	Cr	CH
1	2	2		Major Project	0	0	24	16	16	24
2	2	2								
3	2	2								
4	2	2								
5	2	2								
Total										

### List of Electives

S. No	Subject Code	Subjects	L	T	P	S	Cr	CH
		<b>PE-1</b>						
	23CT5204	Data Science & Visualization	2	0	2	0	3	4
1	23CT5205	Essentials of Machine Learning	2	0	2	0	3	4
2	23CT5206	Cryptography & Security	2	0	2	0	3	4
3		<b>PE-2</b>						
	23CT6104	Data Warehousing & Data Mining	2	0	2	0	3	4
1	23CT6105	Deep Learning Concepts	2	0	2	0	3	4
2	23CT6106	Crypt Analysis & Cyber Defence	2	0	2	0	3	4
3		<b>PE-3</b>						
	23CT6107	Introduction to Big Data Analytics	2	0	2	0	3	4
1	23CT6108	Cognitive Computing	2	0	2	0	3	4
2	23CT6109	Introduction to Blockchain & Crypto currencies	2	0	2	0	3	4
3	23CT5204	Data Science & Visualization	2	0	2	0	3	4