



KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE

(An Autonomous Institute under Kakatiya University, Warangal)

(Approved by AICTE, New Delhi; Recognised by UGC under 2(f) & 12(B); Sponsored by EXASILA EDUCATION SOCIETY)

Opp : Yerragattu Gutta, Hasanparthy (Mandal), WARANGAL - 506 015, Telangana, INDIA.

కాకతీయ ప్రేచ్ఛాగికి ఎవ్ విజ్ఞాన సంస్థాన, వరంగల్ - ౫౦౬ ౦౧౫

కాకతీయ సాంకేతిక విజ్ఞాన శాస్త్ర విద్యాలయం, వరంగల్ - ౫౦౬ ౦౧౫

website: www.kitsw.ac.in

E-mail: principal@kitsw.ac.in

☎ : +91 9392055211, +91 7382564888

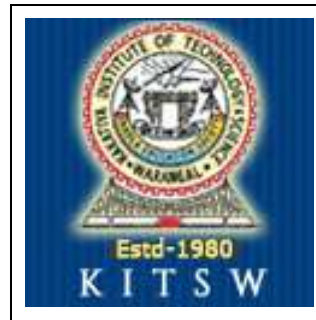
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

B.Tech. CSE - AUTONOMOUS -SCHEME (URR'18)

(w.e.f. 2018-19)

of

(I, II, III, IV, V, VI, VII & VIII SEMESTERS)



KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE: WARANGAL-15

(An Autonomous Institution under Kakatiya University)



KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE

(An Autonomous Institute under Kakatiya University, Warangal)

(Approved by AICTE, New Delhi; Recognised by UGC under 2(f) & 12(B); Sponsored by EKASILA EDUCATION SOCIETY)

Opp : Yerragattu Gutta, Hasanparthy (Mandal), WARANGAL - 506 015, Telangana, INDIA.

కాకతీయ ప్రేచ్ఛాగికి ఎవ్ విజ్ఞాన సంస్థాన, వరంగల్ - ౫౦౬ ౦౧౫

కాకతీయ సాంకేతిక విజ్ఞాన శాస్త్ర విద్యాలయం, వరంగల్ - ౫౦౬ ౦౧౫

website: www.kitsw.ac.in

E-mail: principal@kitsw.ac.in

☎ : +91 9392055211, +91 7382564888

VISION OF THE INSTITUTE

- To make our students technologically superior and ethically strong by providing quality education with the help of our dedicated faculty and staff and thus improve the quality of human life

MISSION OF THE INSTITUTE

- To provide latest technical knowledge, analytical and practical skills, managerial competence and interactive abilities to students, so that their employability is enhanced
- To provide a strong human resource base for catering to the changing needs of the Industry and Commerce
- To inculcate a sense of brotherhood and national integrity

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VISION OF THE DEPARTMENT

- Attaining centre of excellence status in various fields of Computer Science and Engineering by offering worth full education, training and research to improve quality of software services for ever growing needs of the industry and society.

MISSION OF THE DEPARTMENT

- Practice qualitative approach and standards to provide students better understanding and profound knowledge in the fundamentals and concepts of computer science with its allied disciplines.
- Motivate students in continuous learning to enhance their technical, communicational, and managerial skills to make them competent and cope with the latest trends, technologies, and improvements in computer science to have a successful career with professional ethics.
- Involve students in analyze, design and experimenting with contemporary research problems in computer science to impact socio-economic, political and environmental aspects of the globe.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

UG - COMPUTER SCIENCE & ENGINEERING - CSE

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)	Within first few years after graduation, the COMPUTER SCIENCE AND ENGINEERING graduates will be able to ...
PEO1:	escalate the technical skills within and across disciplines of Computer Science Engineering for productive career by maintaining professional ethics.
PEO2:	develop and exercise their capabilities to demonstrate their creativity in engineering practice and exhibit leadership with responsibility in teamwork.
PEO3:	refine their knowledge and skills to attain professional competence through life-long learning such as higher education, research and professional activities.

PROGRAM OUTCOMES (POs) & PROGRAM SPECIFIC OUTCOMES (PSOs)	
UG - COMPUTER SCIENCE & ENGINEERING - CSE	
PROGRAM OUTCOMES (POs)	At the time of graduation, the COMPUTER SCIENCE AND ENGINEERING graduates will be able to ...
PO1: Engineering knowledge	<i>apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems</i>
PO2: Problem analysis	<i>identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences</i>
PO3: Design/development of solutions	<i>design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental Considerations</i>
PO4: Conduct investigations of complex problems	<i>use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions</i>
PO5: Modern tool usage	<i>create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations</i>
PO6: The engineer and society	<i>apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice</i>
PO7: Environment and sustainability	<i>understand the impact of the professional engineering solutions in societal and environmental contexts, demonstrate the knowledge of, and need for sustainable development</i>
PO8: Ethics	<i>apply ethical principles and commit to professional ethics, responsibilities, and norms of the engineering practice</i>
PO9: Individual and team work	<i>function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings</i>
PO10: Communication	<i>communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions</i>
PO11: Project management and finance	<i>demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments</i>
PO12: Life-long learning	<i>recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change</i>
PROGRAM SPECIFIC OUTCOMES (PSOs):	
PSO1: Software Development and Quality assurance	<i>transform various legacy or manual systems into computer automated systems using Modern Programming Languages, Integrated Development Environments, and apply Testing Tools for efficient verification and validation of those software systems.</i>
PSO2: Maintenance	<i>demonstrate knowledge in fixing and updating multidisciplinary software problems working in real time environment.</i>
PSO3: Immediate professional practice	<i>work as a software practitioner or continue higher education by adopting advanced technologies in various fields of computer science and Engineering.</i>



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE:: WARANGAL - 15
(An Autonomous Institute under Kakatiya University, Warangal)

SCHEME OF INSTRUCTION & EVALUATION
I-SEMESTER OF 4-YEAR B.TECH DEGREE PROGRAM

[5Th+4P+2MC]

Sl. No	Category	Course Code	Course Title	Periods/week			Credits	Evaluation scheme				
				L	T	P		C	CIE			ESE
							TA		MSE	Total		
1	BSC	U18MH101	Engineering Mathematics - I	3	1	-	4	10	30	40	60	100
2	ESC	U18CS102	Programming for Problem Solving using C	3	-	-	3	10	30	40	60	100
3	BSC	U18PH103	Engineering Physics	3	1	-	4	10	30	40	60	100
4	HSMC	U18MH104	English for Communication	2	-	2	3	10	30	40	60	100
5	ESC	U18EE105	Basic Electrical Engineering	3	1	-	4	10	30	40	60	100
6	ESC	U18EE106	Basic Electrical Engineering Lab	-	-	2	1	40	-	40	60	100
7	ESC	U18CS107	Programming for Problem Solving using C Lab	-	-	2	1	40	-	40	60	100
8	BSC	U18PH108	Engineering Physics Lab	-	-	2	1	40	-	40	60	100
9	ESC	U18ME109	Workshop Practice	-	-	2	1	10	30	40	60	100
10	MC	U18EA110	EAA *: Sports/Yoga/NSS	-	-	2	-	100	-	100	-	100
11	MC	U18MH111	Universal Human Value-I (Induction Programme)	-	-	-	-	-	-	-	-	-
Total:				14	3	12	22	280	180	460	480	1000

[L= Lecture, T = Tutorials, P = Practicals & C = Credits]

EAA: Extra Academic Activity

* indicates mandatory non-credit course

Total Contact Periods/Week : 29

Total Credits : 22

Stream-I: ME, CSE, IT, CSN,CSE(IOT)

Stream-II: CE, EIE, EEE, ECE, ECI,CSE(AI&ML)



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE:: WARANGAL - 15
(An Autonomous Institute under Kakatiya University, Warangal)

SCHEME OF INSTRUCTION & EVALUATION
II-SEMESTER OF 4-YEAR B.TECH DEGREE PROGRAM

[5Th+2P+2MC]

Sl. No	Category	Course Code	Course Title	Periods/week			Credits	Evaluation scheme				
				L	T	P		C	CIE			ESE
							TA		MSE	Total		
1	BSC	U18MH201	Engineering Mathematics - II	3	1	-	4	10	30	40	60	100
2	ESC	U18CS202	Data Structures through C	3	-	-	3	10	30	40	60	100
3	BSC	U18CH203	Engineering Chemistry	3	1	-	4	10	30	40	60	100
4	ESC	U18ME204	Engineering Drawing	2	-	4	4	10	30	40	60	100
5	ESC	U18CE205	Engineering Mechanics	3	1	-	4	10	30	40	60	100
6	ESC	U18CS207	Data Structures through C Lab	-	-	2	1	40	-	40	60	100
7	BSC	U18CH208	Engg. Chemistry Lab	-	-	2	1	40	-	40	60	100
8	MC	U18CH209	Environmental Studies*	2	-	-	-	40	-	40	60	100
9	MC	U18EA210	EAA : Sports/Yoga/NSS*	-	-	2	-	10	-	100	-	100
Total:				16	3	10	21	270	150	420	480	900

[L= Lecture, T = Tutorials, P = Practicals & C = Credits] EAA: Extra Academic Activity * indicates mandatory non-credit course

Total Contact Periods/Week : 29 Total Credits : 21

Stream-I: ME, CSE, IT, CSN,CSE(IOT) Stream-II: CE, EIE, EEE, ECE, ECI,CSE(AI&ML)



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE:: WARANGAL - 15
(An Autonomous Institute under Kakatiya University, Warangal)

SCHEME OF INSTRUCTION & EVALUATION
III-SEMESTER OF 4-YEAR B.TECH DEGREE PROGRAM

[6Th+3P+1MC]

S.No	Category	Course Code	Course Title	Periods/week			Credits	Evaluation scheme				
				L	T	P		C	CIE			ESE
							TA		MSE	Total		
1	BSC	U18MH301	Engineering Mathematics - III	3	1	-	4	10	30	40	60	100
2	HSMC	U18MH302	Professional English	-	-	2	1	10 0	-	100	-	100
3	PCC	U18CS303	Object Oriented Programming through JAVA	3	1	-	4	10	30	40	60	100
4	BSC	U18MH304	Discrete Mathematics	3	-	-	3	10	30	40	60	100
5	PCC	U18CS305	Computer Architecture and Organization	3	-	-	3	10	30	40	60	100
6	PCC	U18CS306	Advanced Data Structures	3	-	-	3	10	30	40	60	100
7	ESC	U18EI309	Digital Electronics	3	-	-	3	10	30	40	60	100
8	PCC	U18CS310	Object Oriented Programming through Java Lab	-	-	2	1	40	-	40	60	100
9	PCC	U18CS311	Advanced Data Structures Lab	-	-	2	1	40	-	40	60	100
10	MC	U18MH315	Essence of Indian Traditional Knowledge	2	-	-	-	10	30	40	60	100
Total:				20	2	6	23	25 0	210	460	540	1000

[L= Lecture, T = Tutorials, P = Practicals & C = Credits]

Total Contact Periods/Week : 28

Total Credits: 23

Stream-I: ME, CSE, IT, CSN,CSE(IOT)

Stream-II: CE, EIE, EEE, ECE, ECI,CSE(AI&ML)



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE:: WARANGAL - 15
(An Autonomous Institute under Kakatiya University, Warangal)

Scheme of Instruction & Evaluation
IV SEMESTER OF 4-YEAR B.TECH DEGREE PROGRAM

[6Th+3P+1MC]

Sl. No	Category	Course Code	Course Title	Periods/week			Credits	Evaluation scheme					
				L	T	P		C	CIE			ESE	Total Marks
									TA	MSE	Total		
1	OE	U18OE401	Open Elective-II	3	1	-	4	10	30	40	60	100	
2	HSMC	U18TP402	Soft and Inter Personal Skills	-	-	2	1	10	-	100	-	100	
3	OE	U18OE403	Open Elective-I	3	-	-	3	10	30	40	60	100	
4	PCC	U18CS404	Theory of Computation	3	-	-	3	10	30	40	60	100	
5	PCC	U18CS405	Database Management Systems	3	1	-	4	10	30	40	60	100	
6	PCC	U18CS406	Operating System	3	-	-	3	10	30	40	60	100	
7	PCC	U18CS407	Database Management Systems Design Lab	-	-	2	1	40	-	40	60	100	
8	PCC	U18CS408	Operating System Lab	-	-	2	1	40	-	40	60	100	
9	OE	U18OE411	Open Elective-I based lab	-	-	2	1	40	-	40	60	100	
Total:				17	2	8	21	280	180	460	540	1000	
10	MC	U18CH416	Environmental Studies*	2	-	-	-	10	30	40	60	100	

[L= Lecture, T = Tutorials, P = Practicals & C = Credits]

Total Contact Periods/Week: 27

Total Credits: 21

Open Elective-I: U18OE403A: Object Oriented Programming (CSE) U18OE403B: Fluid Mechanics & Hydraulic Machines(CE) U18OE403C: Mechatronics (ME) U18OE403D: Web Programming (IT) U18OE403E: Microprocessors (ECE) U18OE403F: Strength of Materials (ME)	Open Elective-II: U18OE401A: Applicable Mathematics (MH) U18OE401B: Basic Electronics Engineering (ECE) U18OE401C: Elements of Mechanical Engineering (ME) U18OE401D: Measurements & Instrumentation (EIE) U18OE401E: Fundamentals of Computer Networks (CSE) U18OE401F: Renewable Energy Sources (EEE)	Open Elective-I based Lab: U18OE411A: Object Oriented Programming Lab (CSE) U18OE411B: Fluid Mechanics & Hydraulic Machines Lab (CE) U18OE411C: Mechatronics Lab (ME) U18OE411D: Web Programming Lab (IT) U18OE411E: Microprocessors Lab (ECE) U18OE411F: Strength of Materials Lab (CE)
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE:: WARANGAL - 15
(An Autonomous Institute under Kakatiya University, Warangal)

SCHEME OF INSTRUCTION & EVALUATION
V- SEMESTER OF 4-YEAR B.TECH DEGREE PROGRAM

[6Th+3P+Seminar]

Sl. No	Category	Course Code	Course Title	Periods/week			Credits	Evaluation scheme				
				L	T	P		C	CIE			ESE
							TA		MSE	Total		
1	HSMC	U18TP501	Quantitative Aptitude & Logical Reasoning	2	-	-	1	10	30	40	60	100
2	PE	U18CS502	Professional Elective - I/ MOOC-I	3	-	-	3	10	30	40	60	100
3	PCC	U18CS503	Computer Networks	3	1	-	4	10	30	40	60	100
4	PCC	U18CS504	Software Engineering	3	-	-	3	10	30	40	60	100
5	PCC	U18CS505	Compiler Design	3	-	-	3	10	30	40	60	100
6	PCC	U18CS506	Python Programming	3	-	-	3	10	30	40	60	100
7	PCC	U18CS507	Advanced Java Programming Lab	-	-	2	1	40	-	40	60	100
8	PCC	U18CS508	Compiler Design Lab	-	-	2	1	40	-	40	60	100
9	PCC	U18CS509	Python Programming Lab	-	-	2	1	40	-	40	60	100
10	PROJ	U18CS510	Seminar	-	-	2	1	100	-	100	-	100
Total:				17	1	8	21	280	180	460	540	1000
<i>Additional Learning*:Maximum credits allowed for Honours/Minor</i>				-	-	-	7	-	-	-	-	-
<i>Total credits for Honours/Minor students:</i>				-	-	-	21+7	-	-	-	-	-

* List of courses for additional learning through MOOCs towards Honours/Minor in Engineering shall be prescribed by the department under Honours/Minor Curricula

[L= Lecture, T = Tutorials, P = Practicals & C = Credits]

Total Contact Periods/Week : 26

Total Credits : 21

Professional Elective-I/ MOOC-I:	U18CS502A: Artificial Intelligence U18CS502B: Computer Graphics and Multimedia U18CS502C: Advanced Database Management System U18CS502M: MOOCs course
-----------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE:: WARANGAL - 15
(An Autonomous Institute under Kakatiya University, Warangal)

SCHEME OF INSTRUCTION & EVALUATION
VI- SEMESTER OF 4-YEAR B.TECH DEGREE PROGRAM

[6Th+3P+1MC+Miniproject]

Sl. No	Category	Course Code	Course Title	Periods/week			Credits	Evaluation scheme				
				L	T	P		C	CIE			ESE
							TA		MSE	Total		
1	MC	U18MH601	Universal Human Values -II	2	1	-	-	10	30	40	60	100
2	OE	U18OE602	Open Elective - III	3	-	-	3	10	30	40	60	100
3	PE	U18CS603	Professional Elective - II/ MOOC-II	3	-	-	3	10	30	40	60	100
4	PCC	U18CS604	Design and Analysis of Algorithms	3	-	-	3	10	30	40	60	100
5	PCC	U18CS605	Data Warehousing and Data Mining	3	-	-	3	10	30	40	60	100
6	PCC	U18CS606	Internet of Things	3	-	-	3	10	30	40	60	100
7	PCC	U18CS607	Design and Analysis of Algorithms Laboratory	-	-	2	1	40	-	40	60	100
8	PCC	U18CS608	Data Analytics Laboratory	-	-	2	1	40	-	40	60	100
9	PCC	U18CS609	Internet of Things Laboratory	-	-	2	1	40	-	40	60	100
10	PROJ	U18CS610	Mini Project	-	-	2	1	100	-	100	-	100
Total:				17	-	8	19	280	180	460	540	1000
<i>Additional Learning*:Maximum credits allowed for Honours/Minor</i>				-	-	-	7	-	-	-	-	-
Total credits for Honours/Minor students:				-	-	-	19+7	-	-	-	-	-

* List of courses for additional learning through MOOCs towards Honours/Minor in Engineering shall be prescribed by the department under Honours/ Minor Curricula

[L= Lecture, T = Tutorials, P = Practicals & C = Credits]

Total Contact Periods/Week: 25

Total Credits: 19

Open Elective-III: U18OE602A: Disaster Management U18OE602B: Project Management U18xOE602C: Professional Ethics in Engineering U18OE602D: Rural Technology and Community Development	Professional Elective-II / MOOC-II: U18CS603A: Cryptography and Network Security U18CS603B: Digital Image processing U18CS603C: Software Testing Methodologies U18CS603M: MOOCs Course
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE:: WARANGAL - 15
(An Autonomous Institute under Kakatiya University, Warangal)

SCHEME OF INSTRUCTION & EVALUATION
VII - SEMESTER OF 4-YEAR B.TECH DEGREE PROGRAM

[4Th+2P+ MP-I+ internship]

Sl. No	Category	Course Code	Course Title	Periods/week			Credits	Evaluation scheme				
				L	T	P		C	CIE			ESE
							TA		MSE	Total		
1	HSMC	U18MH701	Management Economics and Accountancy	3	-	-	3	10	30	40	60	100
2	PE	U18CS702	Professional Elective - III / MOOC-III	3	-	-	3	10	30	40	60	100
3	PE	U18CS703	Professional Elective - IV / MOOC-IV	3	-	-	3	10	30	40	60	100
4	PCC	U18CS704	Cloud Computing	3	-	-	3	10	30	40	60	100
5	PCC	U18CS705	Cloud Computing Lab	-	-	2	1	40	-	40	60	100
6	PCC	U18CS706	CASE Tools Lab	-	-	2	1	40	-	40	60	100
7	PROJ	U18CS707	Major Project - Phase - I	-	-	6	3	100	-	100	-	100
8	MC	U18CS708	Internship Evaluation	-	-	2	-	-	-	-	-	-
Total:				12	-	12	17	220	120	340	360	700
<i>Additional Learning*:Maximum credits allowed for Honours/Minor</i>				-	-	-	7	-	-	-	-	-
<i>Total credits for Honours/Minor students:</i>				-	-	-	17+7	-	-	-	-	-

* List of courses for additional learning through MOOCs towards Honours/Minor in Engineering shall be prescribed by the department under Honours/ Minor Curricula

[L= Lecture, T = Tutorials, P = Practicals & C = Credits]

Total Contact Periods/Week: 24

Total Credits: 17

<u>Professional Elective-III / MOOC-III:</u> U18CS702A: Machine Learning U18CS702B: High Performance Computing U18CS702C: Mobile Computing U18CS702M: MOOCs course	<u>Professional Elective-IV / MOOC-IV:</u> U18CS703A: User Experience Design U18CS703B: Big Data Analytics U18CS703C: Cyber Security and Digital Forensic U18CS703M: MOOCs course
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

*Note: An Android course with at least 2-weeks duration must be done by students and should submit course completion certificate



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE:: WARANGAL - 15
 (An Autonomous Institute under Kakatiya University, Warangal)
SCHEME OF INSTRUCTION & EVALUATION
VIII - SEMESTER OF 4-YEAR B.TECH DEGREE PROGRAM

[3Th+ 1MP-II]

Sl. No	Category	Course Code	Course Title	Periods/week			Credits	Evaluation scheme				
				L	T	P		C	CIE			ESE
							TA		MSE	Total		
1	PE	U18CS801	Professional Elective - V / MOOC-V	3	-	-	3	10	30	40	60	100
2	PE	U18CS802	Professional Elective - VI / MOOC-VI	3	-	-	3	10	30	40	60	100
3	OE	U18OE803	Open Elective - IV / MOOC-VII	3	-	-	3	10	30	40	60	100
4	PROJ	U18CS804	Major Project - Phase - II	-	-	14	7	60	-	60	40	100
5	PCC	U18CS804	Mobile Application Development Laboratory	-	-	-	-	-	-	-	-	-
Total				9	-	14	16	90	90	180	220	400
<i>Additional Learning*:Maximum credits allowed for Honours/Minor</i>				-	-	-	7	-	-	-	-	-
<i>Total credits for Honours/Minor students:</i>				-	-	-	16+7	-	-	-	-	-

* List of courses for additional learning through MOOCs towards Honours/Minor in Engineering shall be prescribed by the department under Honours/ Minor Curricula

[L= Lecture, T = Tutorials, P = Practicals & C = Credits]

Total Contact Periods/Week: 23

Total Credits: 16

<u>Professional Elective-V / MOOC-V:</u> U18CS801A: Data Visualization U18CS801B: BlockChain Technologies U18CS801C: Virtual Reality Technologies U18CS801M: MOOCs course	<u>Professional Elective-VI/ MOOC-VI:</u> U18CS802A: Deep Learning U18CS802B: Social Network Analysis U18CS802C: Ethical Hacking U18CS802M: MOOCs course	<u>Open Elective-IV/MOOC-VII:</u> U18OE803A: Operations Research U18OE803B: Management Information Systems U18OE803C: Entrepreneurship Development U18OE803D: Forex & Foreign Trade U18OE803M: MOOCs Course
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE:: WARANGAL - 15
(An Autonomous Institute under Kakatiya University, Warangal)

SCHEME OF INSTRUCTION & EVALUATION

I to VIII SEMESTER OF 4-YEAR B.TECH DEGREE PROGRAM

SEMESTER Vs COURSE CATEGORY WEIGHTAGE

(in terms of Total No. of Courses / Total No. Credits)

Semester	Number of Courses / Number of Credits (<i>Course Category wise</i>)									B.Tech (Honours/Minor) Programme
	BSC	ESC	HSMC	PCC	OE	PE	PROJ	MC	TOTAL	
I	3/9	5/10	1/3	-	-	-	-	2/0	11/22	<i>Additional 20 credits through 8 courses out of the list of courses prescribed under Honours/Minor curricula</i>
II	3/9	4/12	-	-	-	-	-	2/0	9/21	
III	2/7	1/3	1/1	5/12	-	-	-	1/0	10/23	
IV	-	-	1/1	5/12	3/8	-	-	1/0	10/21	
V	-	-	1/1	7/16	-	1/3	1/1	-	10/21	
VI	-	-	-	6/12	1/3	1/3	1/1	1/0	10/19	
VII	-	-	1/3	3/5	-	2/6	1/3	1/0	8/17	
VIII	-	-	-	-	1/3	2/6	1/7	-	4/16	
Total	8/25	10/25	5/9	26/57	5/14	6/18	4/12	8/0	72/160	(71+8) / (160+20)
% Weightage of Course Category	15.652 % (25/160)	15.652 % (25/160)	5.625 % (9/160)	35.625 % (57/160)	8.75% (14/160)	11.25 % (18/160)	7.5 % (12/160)	0 %	100 % (160/160)	-