

Sharnbasva University, Kalaburagi
Scheme of Teaching and Examination 2018-19
Outcome Based Education(OBE) and Choice Based Credit System (CBCS) (Effective from the academic year 2018-19)

III SEMESTER B. Tech.
(Common to Computer Science & Engineering and Information Science & Engineering)

Sl. No.	Course Code		Course Title	Teaching Dept. & Paper Setting Board	Teaching Hours/week			Examination			Credits	
					L	T	P	Duration in hours	CIE Marks	SEE Marks		Total Marks
1.	BSC	18MAT31	Engineering Mathematics-III	Mathematics	3	2		3	50	50	100	04
2.	PCC	18CS32	Data structures in C and Applications	CSE/ISE	3	2		3	50	50	100	04
3.	PCC	18CS33	Electronics Circuits and Logic Design	ECE/CSE /ISE	3	2		3	50	50	100	04
4.	PCC	18CS34	Computer Organization and Architecture	CSE/ISE	3	2		3	50	50	100	04
5.	PCC	18CSL35	Data Structures Lab	CSE/ISE			2	3	50	50	100	01
6.	PCC	18CSL36	Electronics Circuits and Logic Design Lab	CSE/ISE			2	3	50	50	100	01
7.	PCC	18CSL37	UNIX Shell Programming Lab	CSE/ISE			2	3	50	50	100	01
8.	PRJ	18CSP38	Project – III	CSE/ISE			2	3	50	50	100	01
9.	HSMC	18KANKK310 / 20KANAK310	Aayda Kathegalu Kannada Kali - 3	Humanities			2	2	50	50	100	01
Total					12	8	10	26	450	450	900	21

BSC-Basic Science, PCC-Professional Core, HSMC-Humanity and Social Science, PR-Project

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IV SEMESTER B. Tech.
(Common to Computer Science & Engineering and Information Science & Engineering)

Sl. No.	Course Code		Course Title	Teaching Dept. & Paper Setting Board	Teaching Hours/week			Examination				Credits
					L	T	P	Duration in hours	CIE Marks	SEE Marks	Total Marks	
1.	BSC	18MAT41	Engineering Mathematics-IV	Mathematics	3	2		3	50	50	100	04
2.	PCC	18CS42	Design and Analysis of Algorithms	CSE/ISE	3	2		3	50	50	100	04
3.	PCC	18CS43	Microprocessor	CSE/ISE	3	2		3	50	50	100	04
4.	PCC	18CS44	Java Programming	CSE/ISE	3	2		3	50	50	100	04
5.	PCC	18CSL45	Microprocessor Lab	CSE/ISE			2	3	50	50	100	01
6.	PCC	18CSL46	Java Programming lab	CSE/ISE			2	3	50	50	100	01
7.	PCC	18CSL47	Algorithm analysis and design Lab	CSE/ISE			2	3	50	50	100	01
8.	PRJ	18CSP48	Project-IV	CSE/ISE			2	3	50	50	100	01
9.	HSMC	18KANKK410 / 20KANAK410	Mahadasohi Kannada Kali - 4	Humanities			2	2	50	50	100	01
Total					12	8	10	26	450	450	900	21

BSC-Basic Science, PCC-Professional Core, HSMC-Humanity and Social Science, MP-Mini project

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V SEMESTER B. Tech. (Common to Computer Science & Engineering and Information Science & Engineering)												
Sl. No	Course Code		Course Title	Teaching Dept. & Paper Setting Board	Teaching Hours/ week			Examination				Credits
					L	T	P	Duration in hours	CIE Marks	SEE Marks	Total Marks	
1.	PCC	18CS51	Database Management System	CSE/ISE	3	2		3	50	50	100	04
2.	PCC	18CS52	Computer Networks	CSE/ISE	3	2		3	50	50	100	04
3.	PEC	18CS53X	Professional Elective – I	CSE/ISE	3			3	50	50	100	03
4.	OEC	18CS54X	Open Elective – I	CSE/ISE	3			3	50	50	100	03
5.	PCC	18CS55	Web Programming Lab	CSE/ISE			2	3	50	50	100	01
6.	PCC	18CSL56	Database management system lab	CSE/ISE			2	3	50	50	100	01
7.	PEC	18CSL57	Computer Networks lab	CSE/ISE			2	3	50	50	100	01
8.	PRJ	18CSP58	Project-V	CSE/ISE			2	3	50	50	100	01
9.	HSMC	18HSM59	Soft Skills	Humanities			4	2	50	50	100	01
Total					12	4	12	26	450	450	900	19
PCC-Professional Core, PEC- Professional Elective, OEC- Open Elective, HSMC-Humanity and Social Science, PR-Project												

Professional Elective – I			Open Elective – I		
Sl. No.	Sub. Code	Sub. Name	Sl. No.	Sub. Code	Sub. Name
1.	18CS531	Automata Theory and Computability	1.	18CS541	Discrete Mathematical Structures and Graph Theory
2.	18CS532	Cloud Computing	2.	18CS542	Microcontroller and Embedded Systems
3.	18CS533	UNIX System Programming	3.	18CS543	Mobile Application Development
4.	18CS534	Social Network Analysis	4.	18CS544	Green Technology

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VI SEMESTER B. Tech. (Computer Science & Engineering)

Sl.No	Course Code		Course Title	Teaching Dept. & Paper Setting Board	Teaching Hours/week			Examination				Credits
					L	T	P	Duration in hours	CIE Marks	SEE Marks	Total Marks	
1.	PCC	18CS61	System Software and Compiler Design	CSE/ISE	3	2		3	50	50	100	04
2.	PEC	18CS62X	Professional Elective-II	CSE/ISE	3			3	50	50	100	03
3.	PEC	18CS63X	Professional Elective-III	CSE/ISE	3			3	50	50	100	03
4.	OEC	18XX64X	Open Elective –II	CSE/ISE	3			3	50	50	100	03
5.	PCC	18CSL65	System software and Compiler Design Lab	CSE/ISE			2	3	50	50	100	01
6.	PEC	18CSL66	Operating System and UNIX system Programming Lab	CSE/ISE			2	3	50	50	100	01
7.	PEC	18CSL67	Python Lab	CSE/ISE			2	3	50	50	100	01
8.	PRJ	18CSP68	Project-6	CSE/ISE			2	3	50	50	100	01
9.	PCC	18CSE6**	AWS Cloud Foundation	CSE/ISE			2	2	50	50	100	01
Total					12	2	10	26	450	450	900	18
PCC-Professional Core, PEC- Professional Elective, OEC- Open Elective, HSMC-Humanity and Social Science, PR-Project												

Professional Elective – II			Professional Elective - III		Open Elective – II	
Sl. No.	Sub. Code	Sub. Name	Sub. Code	Sub. Name	Sub. Code	Sub. Name
1.	18CS621	Operating System	18CS631	Rapid programming application using Python	18CS641	Software Engineering
2.	18CS622	Software Testing	18CS632	Sensors and Application	18CS642	Multi Core Architecture
3.	18CS623	Cryptography and Network Security	18CS633	Computer Vision	18CS643	Network Programming
4.	18CS624	Computer Graphics and Visualization	18CS634	Probability, Statistics and Queuing Theory	18CS644	Mobile Computing

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VII SEMESTER B. Tech. (Computer Science & Engineering)

Sl. No.	Course Code		Course Title	Teaching Dept. & Paper Setting Board	Teaching Hours/ Week			Examination				Credits
					L	T	P	Duration in hours	CIE Marks	SEE Marks	Total Marks	
1.	PCC	18CS71	Artificial Intelligence & Machine Learning	CSE/ISE	3	2		3	50	50	100	04
2.	PEC	18CS72	Big Data Analytics	CSE/ISE	3	2		3	50	50	100	04
3.	PEC	18CS73X	Professional elective –IV	CSE/ISE	3			3	50	50	100	03
4.	OEC	18XX74X	Open elective –III	CSE/ISE	3			3	50	50	100	03
5.	PCC	18CSL75	Artificial Intelligence & Machine Learning Lab	CSE/ISE			2	3	50	50	100	01
6.	PEC	18CSL76	Big Data Analytics Lab	CSE/ISE			2	3	50	50	100	01
7.	PEC	18CSL77	AWS Cloud Lab	CSE/ISE			2	3	50	50	100	01
8.	PRJ	18CSP78	Project – 7	CSE/ISE			2	3	50	50	100	01
9.	HSMC	18HSM79	Industry Psychology and organizational Behavior	Humanities			2	2	50	50	100	01
Total					12	4	10	26	450	450	900	19
Note:- Project 7-Real life problem solving project / Research Project/ Field Project												
PCC-Professional Core, PEC- Professional Elective, OEC- Open Elective, HSMC-Humanity and Social Science												

Professional Elective - V		Open Elective – II	
Sub. Code	Sub. Name	Sub. Code	Sub. Name
18CS731	Data Mining and Data Warehousing	18CS741	Internet of Things
18CS732	AWS Cloud -	18CS742	Blockchain Technology
18CS733	System Modelling and Simulation	18CS743	Python Application Programming
18CS734	Storage Area Network	18CS744	Neural Networks and Deep Learning

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Sl.No	Course Code		Course Title	Teaching Dept. & Paper Setting Board	Teaching Hours/ Week			Examination				Credits
								Duration in hours	CIE Marks	SEE Marks	Total Marks	
1.	Project	18CSP81	Research Project/ Field Project-8	4	-		2	3	50	50	100	05
2.	Internship	18CSI82	Internship	12	-		-	3	50	50	100	08
Total				16	-		4	6	100	100	200	13

Note: - Project 8-Manufacturable and marketable project/ Research Project/ Field Project