

Sharnbasva University, Kalaburagi Scheme of Teaching and Examination 2023-2024 Outcome Based Education(OBE) and Choice Based Credit System (CBCS) (Effective from the academic year 2023-24)												
I SEMSTER M. 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	HCC-I	23SCS11	Advanced database management system	CSE	3	1		3	50	50	100	04
2	HCC-II	23SCS12	Internet of things & Applications	CSE	3	1		3	50	50	100	04
3	HCC-III	23SCS13X	Core Elective Course-I	CSE	3			3	50	50	100	03
4	CEC-I	23SXX14X	Core Elective Course-II	CSE	3			3	50	50	100	03
5	SCC-I	23RM15	Research Methodology and Ethics	CSE	3			3	50	50	100	03
6	LAB-I	23SCSL16	Advanced database management system Lab	CSE			2	3	50	50	100	01
7	LAB-II	23SCSL17	Internet of things Lab	CSE			2	3	50	50	100	01
8	PW-I	23SCS18	Project-I	CSE			4	3	50	50	100	02
Total					15	0	8	24	400	400	800	21

Core Elective Course-I			Core Elective Course-II	
23SCS131	Virtual Reality	23SCS141	Wireless Networks & Mobile Computing	
23SCS132	Intelligent systems	23SCS142	Information Retrieval	
23SCS133	High performance computing	23SCS143	Cyber Security & Cyber Law	

*** 23RM15(Research Methodology & Ethics) is common to all PG Branches(Faculty of engineering &Technology)**

Note: Every regular student admitted to the 2 years post graduation programme must select 3 online courses of 3 credits each from MOOCS[SWAYAM/NPTEL]shall clear all online courses spread through all semesters[1st to 4th]

Sharnbasva University, Kalaburagi
Scheme of Teaching and Examination 2023-24
Outcome Based Education(OBE) and Choice Based Credit System (CBCS)
(Effective from the academic year 2023-24)

II SEMSTER M. 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	HCC-IV	23SCS21*	Deep Learning	CSE	3	1	-	3	50	50	100	04
2	HCC-V	23ADS22*	Data Science	CSE	3	1	-	3	50	50	100	04
	CEC-III	23SCS23X	Core Elective Course -III	CSE	3	-	-	3	50	50	100	03
3	CEC-IV	23SXX24X	Core Elective Course -IV	CSE	3	-	-	3	50	50	100	03
5	LAB-III	23SCSL25	Deep Learning Lab	CSE			2	3	50	50	100	01
6	LAB-IV	23ADSL26	Data Science Lab	CSE			2	3	50	50	100	01
7	PW-II	23SCS27	Project-2	CSE			4	3	50	50	100	02
Total					15	-	8	21	350	350	700	18

Core Elective Course -III			Core Elective Course –IV	
23SCS231	Block chain technology & its application	23SCS241	Human Computer Interaction	
23ADS232	Predictive Analytics	23SCS242	Semantic Web & Social Networks	
23SCS233	Cloud security	23SCS43	Network Protocol Design	

23SCS21: Common to CSE, AI &DS, and CNE 23SCSL25: Common to CSE, AI&DS
23ADS22: Common to CSE, AI &DS, and CNE 23ADSL26: Common to CSE, AIDS ,CNE
23SCS231: Common to CSE &AIDS 23SCN243: Common to CNE & CSE
23ADS232: Common to CSE, AI&DS

Note: Every regular student admitted to the 2 years post graduation programme must select 3 online courses of 3 credits each from MOOCS[SWAYAM/NPTEL/UNIVERSITY]shall clear all online courses spread through all semesters[1st to 4th]

Sharnbasva University, Kalaburagi Scheme of Teaching and Examination 2023-24 [As per NEP, Outcome Based Education(OBE) and Choice Based Credit System (CBCS)] (Effective from the academic year 2023-24)												
III SEMSTER M.Tech : Computer Science & Engineering												
Sl. No	Course Code		Course Title	Teaching Dept. & Paper Setting Board	Teaching Hours/w			Examination				Credits
					L	T	P	Duration in hours	CIE Marks	SEE Marks	Total Marks	
1	CEC-V	23ADS/SCS 31X	Core Elective Course -V	CSE	3	0	0	3	50	50	100	03
2	OEC-I	23OC32	Open Elective-I	Online	Classes and Evaluation Procedures are as per the policy of the online course provider						100	03*
3	OEC-II	23OC33	Open Elective-II								100	03*
4	HSM-II	23IM34	Industrial Management	CSE	3	0	0	3	50	50	100	03
5	PW-III	23SCS35	PROJECT-III	CSE	0	0	4	3	50	50	100	02
6	PW-IV	23SCS36	Research Project Phase-1	CSE	0	0	8	3	100	-	100	04
Total					06	0	12	12	250	150	600	18

*Course opted by students having credits 3 or above will be considered as 3 credits only.

NOTE: Every regular student admitted to the 2 years post graduation programme must select 3 online courses of 3 credit each from MOOCs[Swayam/NPTEL/University/Other University etc.] shall clear all online courses spread through all semesters[1st to 4th]

Core Electives Course -V	
23ADS311	DATA VISUALIZATION
23SCS312	SOFTWARE DEFINED NETWORKS
23SCS313	DECISION SUPPORT SYSTEM

Research Project Work Phase-1:The project work shall be carried out individually. However, in case a disciplinary or interdisciplinary project requires more participants, then a group consisting of not more than three shall be permitted. Students in consultation with the guide/co-guide (if any) in disciplinary project or guides/co-guides (if any) of all departments in case of multidisciplinary projects, shall pursue a Literature Survey / Visit to industries / R & D to finalize the project topic and the preliminary requirements of the selected Project work. Each student shall prepare a relevant introductory project document, and present a seminar. CIE marks shall be awarded by a guides/co-guides (if any). The CIE marks awarded for project work phase-1, shall be based on the evaluation of Project Report, Project Presentation skill, and performance in the Question and Answer session.

Sharnbasva University, Kalaburagi Scheme of Teaching and Examination 2023-24 Outcome Based Education(OBE) and Choice Based Credit System (CBCS) Effective from the academic year 2023-24)												
IV SEMSTER M.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	OEC-III	23OC41	Open Elective-III	Online	Classes and Evaluation Procedures are as per the policy of the online course provider						NA	03 *
2	PW-V	23SCS42	Research Project phase-2 (Final Desertion and Publication)	CSE	0	0	24	3	100	200	300	12
3	INT	23SCS43	Research Internship	Relevant	0	0	16	3	50	50	100	08
Total					0	0	40	06	150	250	400	23

*Course opted by students having credits 3 or above will be considered as 3 credits only.

Research Project Work Phase-2: Students in consultation with the guide/co-guide (if any) in disciplinary project or guides/co-guides (if any) of all departments in case of multidisciplinary projects, shall continue to work of Project Work phase -1 to complete the Project work. Each student / batch of students shall prepare project document, and present a seminar. The CIE marks awarded for project work phase -2, shall be based on the Design, Testing and Results Analysis Presentation, Thesis Writing, and performance in the Question and Answer session. SEE shall be at the end of IV semester. Project work evaluation and VivVoce examination (SEE) is as follows:

- Internal examiner shall carry out the evaluation for 100 marks
- External examiner shall carry out evaluation for 100 marks
- The average of marks allotted by the internal and external examiners shall be the final marks of the project evaluation.
- Viva-voce examination of the project work shall be conducted jointly by internal and external examiners for 100 marks.

Research Internship: All the students shall undergo mandatory internship of 8-12 weeks. Those, who have not pursued /completed the internship, shall be declared as fail in the internship course and have to complete the same during subsequent University examinations after satisfying the internship requirements.

The CIE and SEE components of the internship is as follows:

1. Presentation on Internship (after 4-6 weeks from the date of commencement) (CIE) for 25 marks.
2. Evaluation of Internship Report (CIE) for 25 marks.
3. Viva-voce on Internship (SEE) for 50 marks.

Note: Internship comprises following sub components:

***All the students shall undergo mandatory internship of 16 weeks Presentation on Internship (after 8 weeks from the date of commencement) (CIE) for 25 marks.**

***Evaluation of Internship Report (CIE) for 25 marks. Viva-voce on Internship (SEE) for 50 marks.**

***Project evaluation: valuation shall be taken up at the end of the IVth semester (SEE)**

Internal examiner shall carry out the evaluation for 100 marks

External examiner shall carry out evaluation for 100 marks

The average of marks allotted by the internal and external examiner shall be the final marks of the project evaluation.

Viva-voce examination of the project work shall be conducted jointly by internal and external examiner for 100 marks.

