Department of Information Science and Engineering

B. E. III semester SchemeofTeachingand Examinations

			(Effective)	rom the academic	year2023	24)							
IIISE	MESTER	T		T					1				
Sl. No	Course	CourseCo de	CourseTi tle	Teaching Department(T D) and QuestionPaper Setting	TheoryL ecture		rs/Week Practical / Drawing	SDA	Duration inhours	CIE Ma rks	SEE Mar ks	TotalM arks	C r e d it s
				Board(PSB)	L	T	P	S]				
1	PCC/BSC	22UMA311C	MathematicsforComputerScience	Mathematics	3	2	0		03	50	50	100	4
2	IPCC	22UIS302C	DigitalDesign&Computer Organization	ISE	3	0	2		03	50	50	100	4
3	IPCC	22UIS306C	OperatingSystems	ISE	3	0	2		03	50	50	100	4
4	PCC	22UIS307C	Data Structuresand Applications	ISE	3	0	0		03	50	50	100	3
5	PCCL	22UIS381L	Data StructuresLab	ISE	0	0	2		03	50	50	100	1
6	ESC	22UISXXXC	ESC/ETC/PLC	ISE	2	0	2		03	50	50	100	3
7	UHV	22UHS307C	SocialConnectandResponsibility	AnyDepartment	0	0	2		01	100		100	1
8	AEC/	22UISXXXC/22	AbilityEnhancementCourse/SkillE	ISE	1	0	isaTheo 0		01	50	50	100	1
0	SEC	UISXXXL	nhancementCourse-III				laborato	ory	02	30	30	100	1
		22UHS002M	NationalServiceScheme(NSS)	NSScoordinator	0	0	2						
9	MC	22UHS003M	PhysicalEducation(PE)(Sportsand Athletics)	Physical EducationDir ector	0	0	2			100		100	0
		22UHS001M	Yoga	YogaTeacher									
		22UHS004M	Music	Music Teacher									
									Total	550	350	900	21

PCC: Professional Core Course, **PCCL**: Professional Core Course laboratory, **UHV**: Universal Human Value Course, **MC**: Mandatory Course (Non-credit), **AEC**: AbilityEnhancement Course, **SEC**:Skill Enhancement Course, **L:** Lecture, **T**: Tutorial, **P**: Practical **S=SDA**: Skill Development Activity, **CIE**: Continuous Internal Evaluation, **SEE**:SemesterEndEvaluation.K:Thisletter inthe coursecode indicates commontoall the stream of engineering. ESC: Engineering Science Course, ETC: Emerging

TechnologyCourse,PLC:ProgrammingLanguage Course

_									
Engine	eeringScienceCourse(ESC/ETC/PLC)(<mark>Note-Studentsh</mark> o	ouldoptforthecoursew	hichshouldnotbesimilartothe courseoptedin1stYear)						
22UIS308C	ObjectOrientedProgrammingwithJava	BCS306C							
22UIS309C	ObjectOrientedProgrammingwithC++	BCS306D							
22UIS308C ObjectOrientedProgrammingwithJava BCS306C 22UIS309C ObjectOrientedProgrammingwithC++ BCS306D AbilityEnhancementCourseII I 22UIS382L Data analyticswithExcel 22UIS384L ProjectManagementwithGit									
		I							
22UIS382L	2UIS308C ObjectOrientedProgrammingwithJava BCS306C UIS309C ObjectOrientedProgrammingwithC++ BCS306D AbilityEnhancementCourseII I 2UIS382L Data analyticswithExcel 22UIS384L ProjectManagementwithGit								
22UIS383L	Rprogramming	22UIS385L	DataVisualizationwithPhyton						

Professional Core Course (IPCC): Refers to Professional Core Course Theory Integrated with practicals of the same course. Credit for IPCC can be 04 and its Teaching–Learning hours (L : T : P) can be considered as(3 : 0 : 2) or (2 : 2 : 2). The theory part of the IPCC shall be evaluated both by CIE and SEE. The practical part

beevaluatedbyonlyCIE(noSEE). However, questions from the practical part of IPCC shall be included in the SEE question paper. For more details, the regulation governing the Degree of Bachelor of Engineering / Technology (B.E. / B. Tech.) 2022-23 may please be referred.

NationalServiceScheme/PhysicalEducation/Yoga: AllstudentshavetoregisterforanyoneofthecoursesnamelyNationalServiceScheme(NSS), PhysicalEducation (PE)(Sports and Athletics), andYoga(YOG) with the concerned coordinator of the course during the first week of III semesters. Activities shall be carried out betweenIII semester to the VI semester (for 4 semesters). Successful completion of the registered course and requisite CIE score is mandatory for the award of the degree.

TheeventsshallbeappropriatelyscheduledbythecollegesandthesameshallbereflectedinthecalendarpreparedfortheNSS,PE,andYogaactivities.Thesecoursesshall notbeconsideredforvertical progressionas well asfor thecalculation of SGPA and CGPA, but completion of the course is mandatory for the award of degree.

Department of Information Science and Engineering

B. E. IV semester SchemeofTeachingand Examinations

IVSE	MESTER			TeachingDepart	Т	eaching'	Hours/We	ek		Exa	minatio n		C
Sl. No	Cours	se ourseCode	Cou rse	ment (TD)and QuestionPaper SettingBoard(PS B)	TheoryL ia cture		Practical / Drawing	Self - Study	Duration inhours	CIE	SEE	TotalM	e d i t
			Titl e		L	T	P	S		Marks	Marks	arks	S
1	PCC/BSC	22UIS402C	Analysis &DesignofAlgorithms	TD: ISPSB:CS	3	0	0		03	50	50	100	3
2	IPCC	22UIS404C	AdvancedJava	TD:ISPSB: CS	3	0	2		03	50	50	100	4
3	IPCC	22UIS405C	DatabaseManagementSystems	TD:ISPSB: CS	3	0	2		03	50	50	100	4
4	PCCL	22UIS421L	Analysis &DesignofAlgorithms Lab	TD: ISPSB:CS	0	0	2		03	50	50	100	1
5	ESC	22UISXXXC	ESC/ETC/PLC	TD:IS/Maths PSB:IS/Maths	2	2	0		03	50	50	100	3
					Ifthe	cours	eisTheory	1	01				
6	4	22UISXXXC/22U	Ability Enhancement	TD:Concernedde	1	0	0		01	50	50	100	1
U	AEC/	ISXXXL	Course/SkillEnhancemen	partmentPSB:CS	Ifth	e cour	se isalab		02		30	100	_
	SEC		tCourse- IV		0	0	2		02				
7	BSC	22UBT408C	BiologyForComputerEngineers	TD/PSB:BT,CHE,	2	0	0		03	50	50	100	2
8	UHV	22UHS424C	Universalhumanvaluescourse	AnyDepartment	1	0	0		01	50	50	100	1
		22UHS002M	NationalServiceScheme(NSS)	NSScoordinator									
9	MC	MC PhysicalEducation(PE)(SportsandAth		PhysicalEducatio n Director	0	0	2			100		100	0
		22UHS001M	Yoga	YogaTeacher									
		22UHS004M	Music	Music Teacher									
	•	•					•		Total	500	400	900	19

PCC:ProfessionalCoreCourse,PCCL:ProfessionalCoreCourselaboratory,UHV:UniversalHumanValueCourse,MC:MandatoryCourse(Noncredit),AEC:AbilityEnhancementCourse,SEC:SkillEnhancementCourse,L:Lecture,T:Tutorial,P:PracticalS=SDA:SkillDevelopmentActivity,CIE:ContinuousInternal Evaluation.SEE:

SemesterEndEvaluation.K:Thisletterinthe coursecodeindicates commontoallthe streamofengineering.

AbilityEnhancementCourse/SkillEnhancementCourse-

	Abhity Emiancement Course/S	KillEllilalicell	mentcourse-
	IV		
22UIS410C	GreenITandSustainability	22UIS412C	UI/UX
22UIS411C	CapacityPlanningforIT	22UIS422L	TechnicalwritingusingLATEX(Lab)(0:0:2)
	EngineeringScienceCou	rse(ESC/ETC	/PLC)
22UIS406C	DiscreteMathematicalStructures	22UIS408C	OptimizationTechniques
22UIS407C	GraphTheory	22UIS409C	LinearAlgebra

Professional Core Course (IPCC): Refers to Professional Core Course Theory Integrated with practical of the same course. Credit for IPCC can be 04 and its Teaching–Learning hours (L : T : P) can be considered as(3 : 0 : 2) or (2 : 2 : 2). The theory part of the IPCC shall be evaluated both by CIE and SEE. The practical shall

be evaluated by only CIE (no SEE). However, questions from the practical part of IPCC shall be included in the SEE question paper. For more details, the regulation governing the Degree of Bachelor of Engineering (Technology (B.E./B.Tech.) 2022-23

National Service Scheme/Physical Education/ Yoga: All students have to register for any one of the courses namely National Service Scheme (NSS), Physical Education (PE) (Sports and Athletics), and Yoga (YOG) with the concerned coordinator of the course during the first week of III semesters. Activities shall be carried out betweenIII semester to the VI semester (for 4 semesters). Successful completion of the registered course and requisite CIE score is mandatory for the award of the degree. The events shall be appropriately scheduled by the colleges and the same shall be reflected in the calendar prepared for the NSS, PE, and Yoga activities. These courses shall not be considered for vertical progression as well as for the calculation of SGPA and CGPA, but completion of the courses is mandatory for the award of degree.

Department of Information Science and Engineering

B. E. V semester SchemeofTeachingand Examinations

			(Effec	tiverrom the acade	micyear20	23-24)							
VSEN	MESTER			T			// ·						
Sl.	_	ourse dCourseCo	Course	TeachingDepartme nt (TD)and Question PaperSetting Board(PSB)	TheoryLect ure	eachingHou Futorial	Practical / Drawing	SDA	Duration inhours	CIE	SEE	TotalM	C r e d it
No	an de		Title		L	T	P	S		Marks	Marks	arks	s
1	HSMS	BIS501	Software Engineering &ProjectManagement	TD: ISPSB:IS	3	0	0		03	50	50	100	3
2	IPCC	BIS502	ComputerNetworks	TD:ISPSB: IS	3	0	2		03	50	50	100	4
3	PCC	BIS503	TheoryofComputations	TD:ISPSB: IS	3	2	0		03	50	50	100	4
4	PCCL	BISL504	DataVisualizationLab	TD:ISPSB: IS	0	0	2		03	50	50	100	1
5	PEC	BIS515x	ProfessionalElectiveCourse	TD: ISPSB:IS	3	0	0		03	50	50	100	3
6	PROJ	BIS586	MiniProject	TD:ISPSB: IS	0	0	4		03	100		100	2
7	AEC	BRMK557	ResearchMethodology andIPR	TD:HSMPSB:HSM	2	2	0		02	50	50	100	3
8	MC	22UBT509C	EnvironmentalStudies	TD:HSMPSB:HSM	2	0	0		02	50	50	100	2
	HSS		Soft Skill (Audit)	Placement	2	0	0			50		50	
9	MC	22UHS002M 22UHS003M	NationalServiceScheme(NSS) PhysicalEducation(PE)(SportsandAthletics)	NSScoordinator PhysicalEducation Director	0	0	2			100		100	22
		22UHS001M 22UHS004M	Yoga Music	YogaTeacher Music Teacher									
									Total	500	300	800	22
				ProfessionalElectiv					· · · · · · · · · · · · · · · · · · ·				
BIS5		ComputerVisio			BIS515C		ibutedSyst						
BIS5	515B	ArtificialIntelli	igence	I	BIS515D	UnixSystemProgramming							

Professional Core Course (IPCC): Refers to Professional Core Course Theory Integrated with practicals of the same course. Credit for IPCC can be 04 and its Teaching–Learning hours (L : T : P) can be considered as(3 : 0 : 2) or (2 : 2 : 2). The theory part of the IPCC shall be evaluated both by CIE and SEE. The practical part shall beevaluatedbyonlyCIE(noSEE). However, questions from the practical part of IPCC shall be included in the SEE question paper. For more details, the regulation governing the Degree of Bachelor of Engineering/Technology (B.E./B.Tech.) 2022-23

National Service Scheme /Physical Education/Yoga: All students have to register for any one of the courses namely National Service Scheme (NSS), Physical Education(PE)(Sports and Athletics), and Yoga(YOG) with the concerned coordinator of the course during the first week of III semesters. Activities shall be carried out between III semester to the VI semester (for 4 semesters). Successful completion of the registered course and requisite CIE score is mandatory for the award of the degree. The events shall be appropriately scheduled by the colleges and the same shall be reflected in the calendar prepared for the NSS, PE, and Yoga activities. These courses shall not be considered for vertical progression as well as for the calculation of SGPA and CGPA, but completion of the course is mandatory for the award of degree.

Mini-project work: Mini Project is a laboratory-oriented/hands oncourse that will provide a platform to students to enhance their practical knowledge and skills bythe development of small systems/applications etc.Based on the ability/abilities of the student/s and recommendations of the mentor, a single discipline or amultidisciplinaryMini- projectcanbe assigned to an individual studentortoagrouphaving notmore than 4 students.

CIEprocedureforMini-project:

- (i) Singlediscipline: The CIE marks shall be awarded by a committee consisting of the Head of the concerned Department and two faculty members of the Department, one of them being the Guide. The CIE marks awarded for the Mini-project work shall be based on the evaluation of the project report, project presentation skill, and question and answerses sion in the ratio of 50:25:25. The marks awarded for the project reports hall be the same for all the batches mates.
- (ii) Interdisciplinary: Continuous Internal Evaluations hall be group-wise at the college level with the participation of all the guides of the project.

The CIE marks awarded for the Mini-project, shall be based on the evaluation of the project report, project presentation skill, and question and answer session in theratio50:25:25. Themarks awarded for the project report shall be the same for all the based on the evaluation of the project report, project presentation skill, and question and answer session in the ratio 50:25:25. The marks awarded for the project report shall be the same for all the based on the evaluation of the project report, project presentation skill, and question and answer session in the ratio 50:25:25. The marks awarded for the project report shall be the same for all the based on the evaluation of the project report, project presentation skill, and question and answer session in the ratio 50:25:25. The marks awarded for the project report shall be the same for all the based on the evaluation of the project report shall be the same for all the based on the evaluation of the project report shall be the same for all the based on the evaluation of the project report shall be the same for all the based on the evaluation of the project report shall be the same for all the based on the evaluation of the project report shall be the same for all the based on the evaluation of the project report shall be the same for all the based on the evaluation of the project report shall be the same for all the based on the evaluation of the project report shall be the same for all the based on the evaluation of the project report shall be the same for all the based on the evaluation of the project report shall be the same for all the based on the evaluation of the project report shall be the same for all the based on the evaluation of the project report shall be the same for all the based on the evaluation of the project report shall be the same for all the based on the evaluation of the evaluation

NoSEEcomponentforMini-Project.

ProfessionalElectiveCourses(PEC): Aprofessionalelective(PEC) course is intended to enhance the depth and breadth of educational experience in the Engineering and Technology curriculum. Multidisciplinary courses that are added supplement the latest trend and advanced technology in these lecteds tream of engineering. Each group will provide an option to select one course. The minimum number of students's trengths for offering a professional elective is 10. However, this conditional shall not be applicable to cases where the admission to the program is less than 10.

Department of Information Science and Engineering B. E. VI semester SchemeofTeachingand Examinations

				TeachingDepartm ent (TD)and		Teaching	gHours/Wee	k		Exa	minatio n		(
Sl. No		urse CourseCode	Co urs eTi	QuestionPaper SettingBoard(PS B)	Theory Lecture	Tutori al	Practical / Drawing	SDA	Durationi n hours	CIE Marks	SEE Marks	otalMar ks	e d i t s
			tle		L	T	P	S					
1	IPC C	BIS601	FullStackDevelopment	TD: ISPSB: IS	3	0	2		03	50	50	100	4
2	PC C	BIS602	MachineLearning	TD:ISPSB:IS	4	0	0		03	50	50	100	4
3	PEC	BIS613x	ProfessionalElectiveCourse	TD: ISPSB: IS	3	0	0		03	50	50	100	3
4	OE C	BIS654x	OpenElectiveCourse	TD: ISPSB: IS	3	0	0		03	50	50	100	3
5	PR OJ	BIS685	ProjectPhaseI	TD:IS PSB: IS	0	0	4		03	100		100	2
6	PC CL	BISL606	MachineLearning lab	TD:ISPSB: IS	0	0	2		03	50	50	100	1
7					Ifthecou		eredasaThe	ory					
	AEC/	BIS657x	AbilityEnhancementCourse/Skil	TD and	1	0	0		01	50	50	100	1
	SD	DISOSTA	1DevelopmentCourseV(IKS)	PSB:Concerned			edasaprac	tical		30	30	100	1
	C		-	department	0	0	2						
		22UHS002M	NationalServiceScheme(NSS)	NSScoordinator									
8	MC	22UHS003M	HS003M PhysicalEducation(PE)(SportsandAthl etics) Physical EducationDirector		0	0	2			100		100	(
		22UHS001M Yoga		YogaTeacher									
		22UHS004M	Music	Music Teacher]								
			•	•	•	•	•		Total	500	300	800	13

	ProfessionalElec	ctiveCourse	
BIS613A	BlockchainTechnology	BIS613C	CompilerDesign
BIS613B	InternetofThings	BIS613D	CloudComputing
	OpenElective	eCourse	
BIS654A	IntroductiontoDataStructures	BIS654C	MobileApplicationDevelopment
BIS654B	FundamentalsofOperatingSystems	BIS654D	IntroductiontoAI

AbilityEnhancementCourse/SkillEnhancementCourse-V

BIS657A	ProgressiveAppDevelopment	BIS657C	CyberLaws
BIS657B	Tosca-AutomatedSoftwareTesting	BIS657D	Devops

PCC: Professional Core Course, PCCL: Professional Core Course laboratory, UHV: Universal Human Value Course, MC: Mandatory Course (Non-credit), AEC: AbilityEnhancement Course, SEC:Skill Enhancement Course, L: Lecture, T: Tutorial, P: Practical S= SDA: Skill Development Activity, CIE: Continuous Internal Evaluation,

SEE:SemesterEndEvaluation.**K:**Theletterinthecoursecodeindicatescommontoalthestreamofengineering.**PROJ**:Project/MiniProject.**PEC**:ProfessionalElective Course.**PROJ**:ProjectPhase -I,**OEC**:OpenElectiveCourse

Professional Core Course (IPCC): Refers to Professional Core Course Theory Integrated with practicals of the same course. Credit for IPCC can be 04 and its Teaching–Learning hours (L : T : P) can be considered as(3 : 0 : 2) or (2 : 2 : 2). The theory part of the IPCC shall be evaluated both by CIE and SEE. The practical part shall be evaluated by be evaluated by by CIE (no SEE). However, questions from the practical part of IPCC shall be included in the SEE question paper. For more details, the regulation governing the Degree of Bachelor of Engineering/Technology (B.E./B.Tech.) 2022-23

National Service Scheme/ Physical Education/Yoga: Al l students have to register for any one of the courses namely National Service Scheme (NSS), Physical Education (PE) (Sports and Athletics), and Yoga (YOG) with the concerned coordinator of the course during the first week of III semesters. Activities shall be carried out betweenIII semester to the VI semester (for 4 semesters). Successful completion of the registered course and requisite CIE score is mandatory for the award of the degree. The events shall be appropriately scheduled by the colleges and the same shall be reflected in the calendar prepared for the NSS, PE, and Yoga activities. These courses shall not be considered for vertical progression as well as for the calculation of SGPA and CGPA, but completion of the course is mandatory for the award of degree.

Professional Elective Courses (PEC): A professional elective (PEC) course is intended to enhance the depth and breadth of educational experience in the Engineering and Technology curriculum. Multidisciplinary courses that are added supplement the latest trend and advanced technology in the selected stream of engineering. Each group will provide an option to select one course. The minimum number of students' strengths for offering professional electives is 10. However, this conditional shall Not be applicable to cases where the admission to the program is less than 10.

Open Elective Courses:

Students belonging to a particular stream of Engineering and Technology are not entitled to the open electives offered by their parent Department. However, they canopt for an elective offered by other Departments, provided they satisfy the prerequisite condition if any. Registration to open electives shall be documented under the guidance of the Program Coordinator/ Advisor/ Mentor. The minimum numbers of students' strength for offering Open Elective Course is 10. However, this condition shall not be applicable to class where the admission to the program is less than 10.

Project Phase-I: Students have to discuss with the mentor/guide and with their help he/she has to complete the literature survey and prepare the report and finally define the problem statement for the project work.

Department of Information Science and Engineering B. E. VII semester SchemeofTeachingand Examinations (Effectivefrom the academicyear2023-24)

VIISE	EMESTER	(SwappableVIIar	ndVIIISEMESTER)										
				TeachingDepa rtment (TD)and		Teaching	Hours/We	ek			ninatio n		
SI. No	_	ourse dCourse de	CourseTitle		Th eor yLe ctu re	T u t o r i al	Pra ctic al /Dr awi n	SDA	Du rati on inh our	CIE Ma rks	SEE Mar ks	Tota lMar ks	C r e d it s
					L	T	P	S					
1	IPCC	BIS701	BigDataAnalytics	TD: ISPSB :IS	3	0	2		03	50	50	100	4
2	IPCC	BIS702	ParallelComputing	TD:IS PSB: IS	3	0	2		03	50	50	100	4
3	PCC	BIS703	Information&NetworkSecurity	TD:IS PSB: IS	4	0	0		03	50	50	100	4
4	PEC	BIS714x	ProfessionalElectiveCourse	TD: ISPSB :IS	3	0	0		03	50	50	100	3
5	OEC	BIS755x	OpenElectiveCourse	TD:IS PSB: IS	3	0	0		01	50	50	100	3
6	PRO J	BIS786	MajorProjectPhase-II	TD:IS PSB: IS	0	0	12		03	100	100	200	6
										400	300	700	24
				ProfessionalElective									
BIS71		DeepLearning			5714C		ddedSyste						
BIS71	4B	SoftwareQuali	tyAssurance		5714D	Distrib	outedFileSy	ystems					
BIS75	5 Δ	Introduction	anto DPMC	OpenElectiveCour BIS	rse 5755C	Softwa	reEnginee	ring					
BIS75					5755D	Boltwa		11115					
DI3/3	UUU	miroductio	ontoAlgorithms	DIS	עננומ								

PCC: Professional Core Course, PCCL: Professional Core Course laboratory, PEC: Professional Elective Course, OEC: Open Elective Course PR: Project Work, L: Lecture, T: Tutorial, P: Practical S=SDA: Skill Development Activity, CIE: Continuous Internal Evaluation, SEE: Semester End Evaluation. TD-Teaching Department, PSB: Paper Setting department, OEC: Open Elective Course, PEC: Professional Elective Course. PROJ: Project work

Note: VII and VIII semesters of IV years of the program

- (1) Institutions can swap the VII and VIII Semester Schemes of Teaching and Examinations to accommodate research internships /industry internships after the VI semester.
- (2) Credits earned for the courses of VII and VIII Semester Scheme of Teaching and Examinations shall be counted against the corresponding semesters whether the VII or VIII semesters is completed during the beginning of the IV year or the later part of IV years of the program.

Professional Elective Courses (PEC): A professional elective (PEC) course is intended to enhance the depth and breadth of educational experience in the Engineering and Technology curriculum. Multidisciplinary courses that are added supplement the latest trend and advanced technology in the selected stream of engineering. Each group will provide an option to select one course. The minimum number of students' strengths for offering professional electives is 10. However, this conditional shall not be applicable to cases where the admission to the program is less than 10.

Open Elective Courses:

Students belonging to a particular stream of Engineering and Technology are not entitled to the open electives offered by their parent Department. However, they canopt for an elective offered by other Departments, provided they satisfy the prerequisite condition if any. Registration to open electives shall be documented under theguidance of the Program Coordinator/ Advisor/Mentor. The minimum numbers of students' strength for offering Open Elective Course is 10. However, this conditionshallnot beapplicabletoclass wheretheadmissiontotheprogram is less than 10.

ROJECTWORK(21ISP75): The objective of the Project work is

- (i) To encourage independent learning and the innovative attitude of the students.
- (ii) To develop interactive attitude, communication skills, organization, time management, and presentation skills.
- (iii) To impart flexibility and adaptability.
- (iv) To inspire team working.
- (v) To expand intellectual capacity, credibility, judgment and intuition.
- (vi) To adhere to punctuality, setting and meeting deadlines.
- (vii) To install responsibilities to one self and others.
- (viii) To train students to present the topic of project work in a seminar without any fear, face the audience confidently, enhance communication skills, Involve in group discussion to present and exchange ideas.

CIE procedure for Project Work:

(1) Single discipline: The CIE marks shall be awarded by a committee consisting of the Head of the concerned Department and two senior faculty members of the Department, one of whom shall be the Guide.

The CIE marks awarded for the project work shall be based on the evaluation of the project work Report, project presentation skill, and question and answer session in the ratio 50:25:25. The marks awarded for the project report shall be the same for all the batch mates.

(2) Interdisciplinary: Continuous Internal Evaluation shall be group-wise at the college level with the participation of all guides of the college. Participation of external guide/s, if any, is desirable. The CIE marks awarded for the project work, shall be based on the evaluation of project work Report, project presentation skill, and question and answer session in the ratio 50:25:25. The marks awarded for the project report shall be the same for all the batch mates. **SEE procedure for Project Work:** SEE for project work will be conducted by the two examiners appointed by the University. The SEE marks awarded for the project work shall be based on the evaluation of project work Report, project presentation skill, and question and answer session in the ratio 50:25:25.

Department of Information Science and Engineering B. E. VIII semester SchemeofTeachingand Examinations

(Effective from the academic year 2023-24)

			eVIIandVIIISEMESTER)	Teaching	. •	Teachir	ngHours/	Week			C		
SI .N o	Course andCour seCode		CourseTi tle	partment (TD)and QuestionPa er SettingBoa d(PSB)	ap Th	T u t o r i al	Pr act ica l /D ra wi n	SD A	Du rat io n in ho ur	CI E M ar ks	SE E Ma rks	Tot alM ark s	r e d i t
					L	Т	P	S					
1	PEC	BIS801x	ProfessionalElective(OnlineCourses)Onlythro ugh NPTEL	PSB: IS	3	0	0		03	50	50	100	3
2	OEC	BIS802x	OpenElective(OnlineCourses)Onlythrough NPTEL	PSB: IS	3	0	0		01	50	50	100	3
3	INT	BIS803	Internship(Industry/Research)(14-20weeks)		0	0	12		03	100	100	200	10
										200	200	400	16
	•		Professional	ElectiveCours	e(Onlinecours	ses)		•			•		
BIS8	01A	BOSwillpubl	lishcoursesbasedontheavailability	F	BIS801C								
BIS8	01B				BIS801D								
			OpenElec	ctiveCourses(O	nlineCourses))							
BIS8	02A	BOSwillpubl	lishcoursesbasedontheavailability	I	BIS802C								
BIS80	02B			I	BIS802D								

Teaching Department, PSB: Paper Setting department, OEC: Open Elective Course, PEC: Professional Elective Course, PROJ: Projectwork, INT: Industry Internship/Research Internship/Rural Internship

 $Note: VII and VIII\ semesters of IV years of the program Swapping Facility$

- Institutions can swap VII and VIII Semester Scheme of Teaching and Examinations to accommodate **research internships /industry internships / Rural Internship**After the VI semester.
- Credits earned for the courses of VII and VIII Semester Scheme of Teaching and Examinations shall be counted against the corresponding semesters whether VII or VIII semester is completed during the beginning of IV year or later part of IV year of the program.
- Note: For BCE801x and BCE802x courses BOS will announce list of courses in 6th,7th & 8th Sem. Students can register in any of the semester to earn the credits in 8th Sem.

Elucidation:

At the beginning of IV years of the program i.e., after VI semester, VII semester class work and VIII semester **Research Internship/Industrial Internship/ Rural Internship** shall be permitted to be operated simultaneously by the University so that students have ample opportunity for an internship. In other words, a good percentage of the class shall attend VII semester class work and a similar percentage of others shall attend to Research Internship or Industrial Internship.

Research/Industrial /Rural Internship shall be carried out at an Industry, NGO, MSME, Innovation center, Incubation center, Start-up, center of Excellence (CoE), Study Centre established in the parent institute and/or at reputed research organizations/institutes. The mandatory Research internship/Industry internship/Rural Internship is for 14 to 20 weeks. The internship shall be considered as a head of passing and shall beconsidered for the award of a degree. Those, who do not take up/complete the internship shall be declared to fail and shall have to complete it during the subsequent University examination after satisfying the internship requirements.

Research internship: A research internship is intended to offer the flavor of current research going on in the research field. It helps students get familiarized with the field and imparts the skill required for carrying out research.

Industry internship: Is an extended period of work experience under taken by students to supplement their degree for professional development. It also helps them learn to overcome unexpected obstacles and successfully navigate organizations, perspectives, and cultures. Dealing with contingencies helps students recognize, appreciate, and adapt to organizational realities by tempering their knowledge with practical constraints.

Rural Internship: Rural development internship is an initiative of Unnat Bharat Abhiyan Cell, RGIT in association with AICTE to involve students of all departments studying in different academic years for exploring various opportunities in techno-social fields, to connect and work with Rural India for their upliftment.

The faculty coordinator or mentor has to monitor the student's internship progress and interact with them to guide for the successful completion of the internship. The students are permitted to carry out the internship anywhere in India or abroad. University shall not bear any expenses incurred in respect of the internship.

With the consent of the internal guide and Principal of the Institution, students shall be allowed to carry out the internship at their hometown (within or outside thestate or abroad), provided favorable facilities are available for the internship and the student remains regularly in contact with the internal guide. University shall not bear any cost involved in carrying out the internship by students. However, students can receive any financial assistance extended by the organization.