

DEPARTMENT OF INFORMATION TECHNOLOGY
Scheme of Examination

Subject Code	Subject	Hrs. of Instruction	Exam Duration (Hrs)	Max Marks			Credits
				CA	CE	Total	
First Semester							
Part I							
24UTAL101/ 24UHIL101/ 24UFRL101	Language I: Tamil I/ Hindi I/ French I	5	3	25	75	100	3
Part II							
24UENLA101	Language II: English for Arts and Science I	5	3	25	75	100	3
Part III							
25UITM101	DSC I: Problem Solving Techniques Using C	5	3	25	75	100	4
25UITM102	DSC II: Introduction to Information Technology	4	3	25	75	100	3
25UMAITA101	GEC I: Numerical Methods	5	3	25	75	100	4
25UITMP101	DSC Practical I: Programming in C	3	3	40	60	100	2
25UITMP102	DSC Practical II: Office Automation Packages	2	3	40	60	100	2
Part IV							
254VE101	VAC I: Yoga	1	3	25	75	100	1
	Total	30				800	22
Second Semester							
Part I							
24UTAL201/ 24UHIL201/ 24UFRL201	Language I: Tamil II/ Hindi II/ French II	5	3	25	75	100	3
Part II							
24UENLA201	Language II: English for Arts and Science II	5	3	25	75	100	3
Part III							
25UITM201	DSC III: Programming in Java	5	3	25	75	100	4
25UITM202	DSC IV: Web Designing	4	3	25	75	100	3
25UMAITA201	GEC II: Discrete Mathematics	5	3	25	75	100	4
25UITMP201	DSC Practical III: Programming in Java	3	3	40	60	100	2
25UITMP202	DSC Practical IV: Web Designing	2	3	40	60	100	2
Part IV							
24UVE201	VAC II: Environmental Studies	1	3	25	75	100	1
	Total	30				800	22
Third Semester							
Part I							

24UTAL301/ 24UHIL301/ 24UFRL301	Language I: Tamil III/ Hindi III/ French III	4	3	25	75	100	3
Part II							
24UENLA301	Language II: English for Arts and Science III	4	3	25	75	100	3
Part III							
25UITM301	DSC V: Python Programming	4	3	25	75	100	4
25UITM302	DSC VI: Data Structures	4	3	25	75	100	4
25UECITA301/ 25UMAITA301	GEC III: Digital Fundamentals and Computer Architecture / Statistical Methods	4	3	25	75	100	3
25UITMP301	DSC Practical V: Python Programming and Data Structures	3	3	40	60	100	2
Part IV							
25UITSBP301	SEC I: Computer Hardware Practical	2	3	40	60	100	2
25UITNM301	MDC I:	2	3	25	75	100	2
24UVE301	VAC III: Understanding India	1	3	25	75	100	1
24ULS301	AEC I: Career Competency Skills-I	2	-	100	-	100	1
	Total	30				1000	25
Fourth Semester							
Part I							
24UTAL401/ 24UHIL401/ 24UFRL401	Language I: Tamil IV/ Hindi IV/ French IV	4	3	25	75	100	3
Part II							
24UENLA401	Language II: English for Arts and Science IV	4	3	25	75	100	3
Part III							
25UITM401	DSC VII: Relational Database Management System	4	3	25	75	100	4
25UITM402	DSC VIII: Operating System	4	3	25	75	100	4
25UECITA401/ 25UMAITA401	GEC IV: Internet of Things / Operations Research	4	3	25	75	100	3
25UITMP401	DSC Practical VI: Relational Database Management System	3	3	40	60	100	2
Part IV							
25UITSBP401	SEC II: Internet of Things Practical	2	3	40	60	100	2
25UITNM401	MDC II:	2	3	25	75	100	2
24UVE401	VAC IV: Digital and Technological Solutions	1	3	25	75	100	1
24ULS401	AEC II: Career Competency Skills- II	2	-	100	-	100	1
	Total	30				1000	25
Fifth Semester							

Part III							
25UITM501	DSC IX: R Programming	6	3	25	75	100	4
25UITM502	DSC X: Computer Networks	5	3	25	75	100	4
25UITM503	DSC XI: Software Engineering	5	3	25	75	100	4
	Elective I:	5	3	25	75	100	3
25UITMP501	DSC Practical VII: R Programming	3	3	40	60	100	2
25UITMP502	DSC Practical VIII: Computer Networks	3	3	40	60	100	2
25UITI501	Summer Internship (100% Internal Evaluation)	-	-	100	-	100	2
Part IV							
25UITSBP501	SEC III: Multimedia Packages Practical	2	3	40	60	100	2
25ULS501	AEC III: Career Competency Skills-III	1	-	100	-	100	1
Part V							
25UITE501	Extension Activity	-	-	-	-	-	2
	Total	30				900	26
Sixth Semester							
Part III							
25UITM601	DSC XII: Artificial Intelligence	5	3	25	75	100	4
25UITM602	DSC XIII: Cloud Computing	5	3	25	75	100	4
25UITM603	DSC XIV: Block Chain Technology	5	3	25	75	100	4
	Elective II:	4	3	25	75	100	3
25UITMP601	DSC Practical IX: Artificial Intelligence	3	3	40	60	100	2
25UITMP602	DSC Practical X: Cloud Computing	3	3	40	60	100	2
25UITPR601	Project & Viva voce	2	3	40	60	100	4
Part IV							
25UITSBP601	SEC IV: Tableau Practical	2	3	40	60	100	2
25ULS601	AEC IV: Career Competency Skills-IV	1	-	100	-	100	1
	Total	30				900	26
						5600	146

DISCIPLINE SPECIFIC ELECTIVE COURSES (DSE)

(Student shall select any one of the following subjects as Elective in fifth semester)

S. No	Subject Code	Semester	Subject
1.	25UITEL501	V	DSE I: Machine Learning and Deep Learning
2.	25UITEL502	V	DSE II: Genetic Algorithm
3.	25UITEL503	V	DSE III: Cognitive Computing

DISCIPLINE SPECIFIC ELECTIVE COURSES (DSE)

(Student shall select any one of the following subjects as Elective in sixth semester)

S.No	Subject Code	Semester	Subject
1.	25UITEL601	VI	DSE IV: Social Media Mining
2.	25UITEL602	VI	DSE V: Cyber Security
3.	25UITEL603	VI	DSE VI: Natural Language Processing

MULTI DISCIPLINARY COURSE (MDC)

The department offers the following two papers as Multi-Disciplinary Courses for other than the Computer Science stream students for third and fourth semesters.

S.No.	Course Code	Semester	Name of the Subject	NPTEL Course	Duration/ Credits
1.	25UITNM301	III	Information Technology	Computer Fundamentals	12 Weeks / 4 Credits
2.	25UITNM401	IV	Web Designing	Web Technology	12 Weeks / 4 Credits

ADDITIONAL CREDIT COURSE (ACC) - I: ADVANCED LEARNERS COURSE

The Candidate with minimum 60% of marks with no arrears has the option to select any one of the ACC courses each in semester IV and Semester V. The Candidate shall be declared to have passed the examination and awarded with extra credits, if the candidate secures not less than 40 marks out of 100 in the comprehensive examination. Alternatively, the candidate may enroll and complete any MOOC and by producing the certificate, he/she shall obtain 2 extra credits.

S.No.	Semester	Subject Code	Subject	Credits
1.	IV	25UITAL401	ACC I: Data Mining	2
2.	IV	25UITAL402	ACC I: Software Project Management	2
3.	V	25UITAL501	ACC II: E-Commerce	2
4.	V	25UITAL502	ACC II: Open Source Technologies	2

ABBREVIATION

DSC – Discipline Specific Courses

DSE – Discipline Specific Elective Courses

GEC – Generic Elective Courses

SEC – Skill Enhancement Courses

MDC – Multi-Disciplinary Courses

VAC – Value Added Course

AEC – Ability Enhancement Courses

ACC – Additional Credit Courses

TOTAL CREDIT DISTRIBUTION

Component	Subject	No of Course x Marks	Total Marks	Papers x Credits	Credits
Part - I	Language	4 x 100	400	4 x 3 Credits	12
Part - II	English	4 x 100	400	4 x 3 Credits	12
Part - III	DSC	12 x 100	1200	12 x 4 Credits	48
		2 x 100	200	2 x 3 Credits	06
	DSC Practical	10 x 100	1000	10 x 2 Credits	20
	DSE	2 x 100	200	2 x 3 Credits	06
	GEC Theory	2 x 100	200	2 x 4 Credits	08
		2 x 100	200	2 x 3 Credits	06

	Project	1 x 100	100	1 x 4 Credits	04
	Summer Internship	1 x 100	100	1 x 2 Credits	02
Part - IV	SEC	4 x 100	400	4 x 2 Credits	08
	MDC	2 x 100	200	2 x 2 Credits	04
	VAC	4 x 100	400	4 x 1 Credits	04
	AEC	4 x 100	400	4 x 1 Credits	04
Part - V	Extension Activity	-	-	1 x 2 Credits	02
Total		54	5400		146

FOR COURSE COMPLETION

Student shall complete

- Language subjects (Tamil/English/French) in I to IV semesters.
- Value Added Courses: Yoga and Environmental studies in I and II Semester respectively. Understanding India and Digital and Technological Solutions in III and IV Semesters.
- Generic Elective Courses in I, II, III and IV Semesters.
- Skill Enhancement Courses: SEC in III, IV, V and VI Semesters.
- Multi-Disciplinary Courses: MDC in III and IV Semesters.
- Ability Enhancement Courses: AEC in III, IV, V and VI Semesters.
- Summer Internship (Viva-Voce Internal Only) in V Semester.
- Additional Credit Courses in IV and V Semesters (Optional).
- Project: Group Project in Semester VI (Viva-Voce in Semester VI).