



MOOGAMBIGAI CHARITABLE AND EDUCATIONAL TRUST
Rajarajeswari College of Engineering

(An Autonomous Institution under Visvesvaraya Technological University, Belagavi)

Department of Information Science and Engineering

Scheme of Teaching and Examinations: 2024

(Effective from the Academic Year 2025-26)

Semester: III

S.No	Course Category and Course Code		Course Title	TD / PSB	Teaching Hours / Week & Credits					Examination			
					Lecture	Tutorial	Practical	SDA	Credits	CIE Marks	SEE Duration Hrs	SEE Marks	Total Marks
					L	T	P	S					
1.	BSC	B24MC301	Mathematics- III for CS (Common to CSE, ISE, AIML, CSE(IC), CSD)	Maths	3	0	0	0	3	50	3	50	100
2.	PCC	B24CS302	Data Structures and its applications (Common to CSE, ISE, AIML, CSE(IC), CSD)	CSE	3	0	0	0	3	50	3	50	100
3.	IPCC	B24CS303	Digital Design and Computer Organization (Common to CSE, ISE, AIML, CSE(IC), CSD)	AIML	3	0	2	0	4	50	3	50	100
4.	IPCC	B24CS304	Operating Systems (Common to CSE, ISE, AIML, CSE(IC), CSD)	ISE	3	0	2	0	4	50	3	50	100
5.	PCCL	B24CS305L	Data Structures and its applications Lab (Common to CSE, ISE, AIML, CSE(IC), CSD)	CSE	0	0	2	0	1	50	3	50	100
6.	ESC	B24YY36X	ESC/ETC/PLC - III	AI/CS/IS/IC/CG	3	0	0	0	3	50	3	50	100
7.	UHV	B24SCK307	Social Connect and Responsibility	Any Dept.	0	0	2	0	1	50	3	50	100
8.	AEC/ SEC	B24YY38X	Ability Enhancement Course / Skill Enhancement Course – III (Theory/Lab)	AI/CS/IS/IC/CG	1	0	0	0	1	50	1	50	100
					0	0	2				3		
9.	NCMC	B24NCK39X	National Service Scheme / National Cadet Corps / Physical Education / Yoga/ Music	HSMC	1	0	0		PP	50	-	-	50
TOTAL									20	450		400	850

BSC: Basic Science Course, HSMC: Humanity, Social sciences including Management courses, IPCC: Integrated Professional Core Course, PCC: Professional Core Course, PCCL: Professional Core Course laboratory, UHV: Universal Human Value Course, NCMC: Non-Credit Mandatory Course, AEC: Ability Enhancement Course, SEC: Skill Enhancement Course, ESC: Engineering Science Course, ETC: Emerging Technology Course, PLC: Programming Language Course L: Lecture, T: Tutorial, P: Practical S:SDA- Skill Development Activity, CIE: Continuous Internal Evaluation, SEE: Semester End Evaluation, PP/NP: Pass/Not Pass, YY: Programme Code (EC, CS, IS etc), X: 1/2/3/4, K: Indicates Common Course to all the streams of Engineering



MOOGAMBIGAI CHARITABLE AND EDUCATIONAL TRUST
Rajarajeswari College of Engineering

(An Autonomous Institution under Visvesvaraya Technological University, Belagavi)

Department of Information Science and Engineering

Scheme of Teaching and Examinations: 2024

(Effective from the Academic Year 2025-26)

Engineering Science Course /Emerging Technology Course / Programming Language Course (ESC/ETC/PLC) - III

B24IS361	Object Oriented Programming with Java	B24IS362	Introduction to Data Science
B24IS363	Data Visualization	B24AI364	Web Technologies

Ability Enhancement Course / Skill Enhancement Course (AEC/SEC) – III

B24CG381	Data analytics with Excel	B24IS382	Project Management with Git
B24CS383	App Development	B24IS384	R Programming

Non Credit Mandatory Courses (NCMC)

B24NCK391	National Service Scheme (NSS)	B24NCK392	National Cadet Corps (NCC)
B24NCK393	Physical Education (PE)	B24NCK394	Yoga (YOG)
B24NCK395	Music		

All students have to register for any one of the courses namely National Service Scheme (NSS), NCC/Physical Education (PE), Yoga (YOG) and Music with the concerned coordinator of the course during the first week of III/IV/V/VI semesters. Colleges are required to submit the Continuous Internal Evaluation (CIE) marks for the activities completed by students under selected course each semester. The students should be allowed to engage in different activities/courses each semester. For example, a student who participates in sports in the 3rd semester could choose to undertake NSS in the next semester and Yoga in another semester. This approach aligns with the student-centric focus of the National Education Policy (NEP) 2022 and helps distribute the workload related Physical Education/NCC/NSS/Yoga/Music of more evenly across different departments. 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.**

HoD

Dean-Academics

Principal



MOOGAMBIGAI CHARITABLE AND EDUCATIONAL TRUST
Rajarajeswari College of Engineering

(An Autonomous Institution under Visvesvaraya Technological University, Belagavi)

Department of Information Science and Engineering

Scheme of Teaching and Examinations: 2024

(Effective from the Academic Year 2025-26)

Semester: IV

S.No	Course Category and Course Code		Course Title	TD / PSB	Teaching Hours / Week & Credits					Examination			
					Lecture	Tutorial	Practical	SDA	Credits	CIE Marks	SEE Duration Hrs	SEE Marks	Total Marks
					L	T	P	S					
1.	PCC	B24MC401	Discrete Mathematics and Graph Theory (Common to CSE, CSD, ISE)	Maths	3	0	0	0	3	50	3	50	100
2.	PCC	B24CS402	Database Management Systems (Common to CSE, ISE, AIML, CSE(IC), CSD)	CSE	3	0	0	0	3	50	3	50	100
3.	IPCC	B24IS403	Advanced JAVA	ISE	3	0	2	0	4	50	3	50	100
4.	IPCC	B24CS404	Design and Analysis of Algorithms (Common to CSE, ISE, AIML, CSE(IC), CSD)	CG	3	0	2	0	4	50	3	50	100
5.	PCCL	B24CS405L	Database Management Systems Lab (Common to CSE, ISE, AIML, CSE(IC), CSD)	CSE	0	0	2	0	1	50	3	50	100
6.	ESC	B24YY46X	ESC/ETC/PLC - IV	AI/CS/IS/IC/CG	3	0	0	0	3	50	3	50	100
7.	UHV	B24UHK407	Universal Human Values	Any Dept.	1	0	0	0	1	50	1	50	100
8.	AEC/ SEC	B24YY48X	Ability Enhancement Course / Skill Enhancement Course – III (Theory/Lab)	AI/CS/IS/IC/CG	1	0	0	0	1	50	1	50	100
					0	0	2				3		
9.	NCMC	B24NCK49X	National Service Scheme / National Cadet Corps / Physical Education / Yoga/ Music	HSMC	1	0	0		PP	50		-	50
TOTAL					20				450			400	850

BSC: Basic Science Course, HSMC: Humanity Social sciences including Management courses, IPCC: Integrated Professional Core Course, PCC: Professional Core Course, PCCL: Professional Core Course laboratory, UHV: Universal Human Value Course, NCMC: Non-Credit Mandatory Course, AEC: Ability Enhancement Course, SEC: Skill Enhancement Course, ESC: Engineering Science Course, ETC: Emerging Technology Course, PLC: Programming Language Course L: Lecture, T: Tutorial, P: Practical S:SDA- Skill Development Activity, CIE: Continuous Internal Evaluation, SEE: Semester End Evaluation, PP/NP: Pass / Not Pass. YY: Programme Code (EC, CS, IS etc), X: 1/2/3/4, K: Indicates Common Course to all the streams of Engineering



MOOGAMBIGAI CHARITABLE AND EDUCATIONAL TRUST

Rajarajeswari College of Engineering

(An Autonomous Institution under Visvesvaraya Technological University, Belagavi)

Department of Information Science and Engineering

Scheme of Teaching and Examinations: 2024

(Effective from the Academic Year 2025-26)

Engineering Science Course /Emerging Technology Course / Programming language Course (ESC/ETC/PLC) - IV

B24IS461	Introduction to Cyber Security	B24IS462	System Programming
B24IS463	Capacity planning for IT	B24CS464	Green IT and Sustainability

Ability Enhancement Course / Skill Enhancement Course (AEC/SEC) – IV

B24IS481	Microsoft Power BI	B24CS482	Devops
B24IS483	Multimedia and Animation	B24IS484	Distributed Computing

Non Credit Mandatory Courses (NCMC)

B24NCK491	National Service Scheme (NSS)	B24NCK492	National Cadet Corps (NCC)
B24NCK493	Physical Education (PE)	B24NCK494	Yoga
B24NCK495	Music		

All students have to register for any one of the courses namely National Service Scheme (NSS), NCC/Physical Education (PE), Yoga (YOG) and Music with the concerned coordinator of the course during the first week of III/IV/V/VI semesters. Colleges are required to submit the Continuous Internal Evaluation (CIE) marks for the activities completed by students under selected course each semester. The students should be allowed to engage in different activities/courses each semester. For example, a student who participates in sports in the 3rd semester could choose to undertake NSS in the next semester and Yoga in another semester. This approach aligns with the student-centric focus of the National Education Policy (NEP) 2022 and helps distribute the workload related Physical Education/NCC/NSS/Yoga/Music of more evenly across different departments. 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.

HoD

Dean-Academics

Principal