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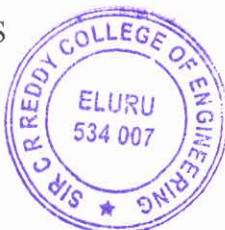www.sircrrengg.ac.in, Phone Off : (08812) 230840, Email : principal.sircrrengg@gmail.com

REVISED SUBJECT CODES

Date: 18-10-2025

The following list of subject codes allotted for the II B.Tech I & II semester subjects (UG-CR24) from the academic year 2025-26 autonomous batch.

CIVIL
CR24 – II B.TECH I SEMESTER COURSE CODES

SUBJECT CODE	SUBJECT NAME	Theory/ Lab
24BS2111	Numerical Techniques And Statistical Methods	Theory
24HM2101	Universal human values – understanding harmony and Ethical human conduct	Theory
24CE2101	Surveying	Theory
24CE2102	Strength of Materials	Theory
24CE2103	Fluid Mechanics	Theory
24CE2104	Surveying Lab	Lab
24CE2105	Strength of Materials Lab	Lab
24CE21SC	Building Planning and Drawing	Lab
24AU2103	Environmental Science	Audit

CIVIL
CR24 – II B.TECH II SEMESTER COURSE CODES

SUBJECT CODE	SUBJECT NAME	Theory/ Lab
24MB2210	Managerial Economics and Financial Analysis	Theory
24CE2207	Engineering Geology	Theory
24CE2208	Concrete Technology	Theory
24CE2209	Structural Analysis	Theory
24CE2210	Hydraulics & Hydraulic Machinery	Theory
24CE2211	Concrete Technology Lab	Lab
24CE2212	Engineering Geology Lab	Lab
24CE22SC	Remote Sensing & Geographical Information Systems	Lab
24BS2221	Design Thinking & Innovation	Audit

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EEE CR24 – II B.TECH I SEMESTER COURSE CODES		
SUBJECT CODE	**SUBJECT NAME**	**Theory/ Lab**
24BS2112	Complex Variables & Numerical Methods	Theory
24HM2101	Universal human values – understanding harmony and Ethical human conduct	Theory
24EE2101	Electromagnetic Field Theory	Theory
24EE2102	Electrical Circuit Analysis-II	Theory
24EE2103	DC Machines & Transformers	Theory
24EE2104	Electrical Circuit Analysis-II and Simulation Lab	Lab
24EE2105	DC Machines & Transformers Lab	Lab
24EE21SC	Data Structures Lab	Lab
24AU2103	Environmental Science	Audit

EEE CR24 – II B.TECH II SEMESTER COURSE CODES		
SUBJECT CODE	**SUBJECT NAME**	**Theory/ Lab**
24MB2210	Managerial Economics and Financial Analysis	Theory
24EE2207	Analog Circuits	Theory
24EE2208	Power Systems-I	Theory
24EE2209	Induction and Synchronous Machines	Theory
24EE2210	Control Systems	Theory
24EE2211	Induction and Synchronous Machines Lab	Lab
24EE2212	Control Systems Lab	Lab
24EE22SC	Python Programming Lab	Lab
24BS2221	Design Thinking & Innovation	Audit

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MECH
CR24 – II B.TECH I SEMESTER COURSE CODES

SUBJECT CODE	SUBJECT NAME	Theory/ Lab
24BS2113	Numerical Methods and Transform Techniques	Theory
24HM2101	Universal human values – understanding harmony and Ethical human conduct	Theory
24ME2101	Thermodynamics	Theory
24ME2102	Mechanics of Solids	Theory
24ME2103	Material Science and Metallurgy	Theory
24ME2104	Mechanics of Solids and Materials Science Lab	Lab
24ME2105	Computer-aided Machine Drawing	Lab
24ME2106	Python programming Lab	Lab
24ME21SC	Embedded Systems and IoT	Lab
24AU2103	Environmental Science	Audit

MECH
CR24 – II B.TECH II SEMESTER COURSE CODES

SUBJECT CODE	SUBJECT NAME	Theory/ Lab
24BS2217	Complex Variables, Probability and Statistics	Theory
24ME2208	Industrial Management	Theory
24ME2209	Manufacturing processes	Theory
24ME2210	Fluid Mechanics & Hydraulic Machines	Theory
24ME2211	Theory of Machines	Theory
24ME2212	Fluid Mechanics & Hydraulic Machines Lab	Lab
24ME2213	Manufacturing processes Lab	Lab
24BS22SC	Soft Skills	Lab
24BS2221	Design Thinking & Innovation	Audit

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SUBJECT CODE	SUBJECT NAME	Theory/ Lab
ECE CR24 – II B.TECH I SEMESTER COURSE CODES		
24BS2114	Probability theory and stochastic process	Theory
24HM2101	Universal human values – understanding harmony and Ethical human conduct	Theory
24EC2101	Signals and Systems	Theory
24EC2102	Electronic Devices and Circuits	Theory
24EC2103	Switching Theory and Logic Design	Theory
24EC2104	Electronic Devices and Circuits Lab	Lab
24EC2105	Switching Theory and Logic Design Lab	Lab
24EC21SC	Data Structures using Python	Lab
24AU2103	Environmental Science	Audit
ECE CR24 – II B.TECH II SEMESTER COURSE CODES		
SUBJECT CODE	SUBJECT NAME	Theory/ Lab
24MB2210	Managerial Economics and Financial Analysis	Theory
24EC2207	Linear Control Systems	Theory
24EC2208	Electromagnetic Waves and Transmission Lines	Theory
24EC2209	Electronic Circuit Analysis	Theory
24EC2210	Analog Communications	Theory
24EC2211	Signals and Systems Lab	Lab
24EC2212	Electronic Circuit Analysis lab	Lab
24BS22SC	Soft Skills	Lab
24BS2221	Design Thinking & Innovation	Audit

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CSE CR24 – II B.TECH I SEMESTER COURSE CODES		
SUBJECT CODE	**SUBJECT NAME**	**Theory/ Lab**
24BS2115	Discrete Mathematics & Graph Theory	Theory
24HM2101	Universal human values – understanding harmony and Ethical human conduct	Theory
24CS2101	Digital Logic & Computer Organization	Theory
24CS2102	Advanced Data Structures & Algorithm Analysis	Theory
24CS2103	Object Oriented Programming Through Java	Theory
24CS2104	Advanced Data Structures & Algorithm Analysis Lab	Lab
24CS2105	Object Oriented Programming Through Java Lab	Lab
24CS21SC	Python Programming	Lab
24AU2103	Environmental Science	Audit
CSE CR24 – II B.TECH II SEMESTER COURSE CODES		
SUBJECT CODE	**SUBJECT NAME**	**Theory/ Lab**
24MB2210	Managerial Economics and Financial Analysis	Theory
24BS2219	Probability & Statistics	Theory
24CS2207	Software Engineering	Theory
24CS2208	Operating Systems	Theory
24CS2209	Database Management Systems	Theory
24CS2210	Database Management Systems Lab	Lab
24CS2211	Operating Systems Lab	Lab
24CS22SC	Full Stack Development-I or Any of the APSCHE offered skill oriented course	Lab
24BS2221	Design Thinking & Innovation	Audit

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The following list of subject codes allotted for the II B.Tech I & II semester subjects (UG-CR24) from the academic year 2025-26 autonomous batch.

IT CR24 – II B.TECH I SEMESTER COURSE CODES		
SUBJECT CODE	**SUBJECT NAME**	**Theory/ Lab**
24BS2115	Discrete Mathematics & Graph Theory	Theory
24HM2101	Universal human values – understanding harmony and Ethical human conduct	Theory
24CS2101	Digital Logic & Computer Organization	Theory
24IT2101	Advanced Data Structures & Algorithm	Theory
24CS2103	Object Oriented Programming Through Java	Theory
24IT2102	Advanced Data Structures Lab	Lab
24CS2105	Object Oriented Programming Through Java Lab	Lab
24CS21SC	Python Programming	Lab
24AU2103	Environmental Science	Audit
IT CR24 – II B.TECH II SEMESTER COURSE CODES		
SUBJECT CODE	**SUBJECT NAME**	**Theory/ Lab**
24AL2201	Optimization Techniques	Theory
24BS2219	Probability & Statistics	Theory
24CS2208	Operating Systems	Theory
24CS2209	Database Management Systems	Theory
24CS2207	Software Engineering	Theory
24IT2203	Operating Systems & Software Engineering Lab	Lab
24CS2210	Database Management Systems Lab	Lab
24IT22SC	Python with Django	Lab
24BS2221	Design Thinking & Innovation	Audit

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CSM (42) CR24 – II B.TECH I SEMESTER COURSE CODES		
SUBJECT CODE	**SUBJECT NAME**	**Theory/ Lab**
24BS2115	Discrete Mathematics & Graph Theory	Theory
24HM2101	Universal human values – understanding harmony and Ethical human conduct	Theory
24CS2101	Digital Logic & Computer Organization	Theory
24CS2102	Advanced Data Structures & Algorithm Analysis	Theory
24CS2103	Object Oriented Programming Through Java	Theory
24CS2104	Advanced Data Structures & Algorithm Analysis Lab	Lab
24CS2105	Object Oriented Programming Through Java Lab	Lab
24CS21SC	Python Programming	Lab
24AU2103	Environmental Science	Audit
CSM (42) CR24 – II B.TECH II SEMESTER COURSE CODES		
SUBJECT CODE	**SUBJECT NAME**	**Theory/ Lab**
24AL2201	Optimization Techniques	Theory
24BS2219	Probability & Statistics	Theory
24AL2202	Artificial Intelligence	Theory
24AL2203	Machine Learning	Theory
24CS2209	Database Management Systems	Theory
24CS2210	Database Management Systems Lab	Lab
24AL2204	Machine Learning Lab	Lab
24CS22SC	Full Stack Development-I or Any of the APSCHE offered skill oriented course	Lab
24BS2221	Design Thinking & Innovation	Audit

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The following list of subject codes allotted for the II B.Tech I & II semester subjects (UG-CR24) from the academic year 2025-26 autonomous batch.

CAD (45)
CR24 – II B.TECH I SEMESTER COURSE CODES

SUBJECT CODE	SUBJECT NAME	Theory/ Lab
24BS2115	Discrete Mathematics & Graph Theory	Theory
24HM2101	Universal human values – understanding harmony and Ethical human conduct	Theory
24AD2101	Statistical Methods for Data Science	Theory
24CS2102	Advanced Data Structures & Algorithm Analysis	Theory
24CS2103	Object Oriented Programming Through Java	Theory
24CS2104	Advanced Data Structures & Algorithm Analysis Lab	Lab
24CS2105	Object Oriented Programming Through Java Lab	Lab
24CS21SC	Python Programming	Lab
24AU2103	Environmental Science	Audit

CAD (45)
CR24 – II B.TECH II SEMESTER COURSE CODES

SUBJECT CODE	SUBJECT NAME	Theory/ Lab
24AL2201	Optimization Techniques	Theory
24CS2209	Database Management Systems	Theory
24CS2207	Software Engineering	Theory
24CS2208	Operating Systems	Theory
24AD2202	Introduction to Data Science	Theory
24AD2203	Data Science using Python Lab	Lab
24CS2211	Operating Systems Lab	Lab
24CS22SC	Full Stack Development-I or Any of the APSCHE offered skill oriented course	Lab
24BS2221	Design Thinking & Innovation	Audit

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CSC (46)
CR24 – II B.TECH I SEMESTER COURSE CODES

SUBJECT CODE	SUBJECT NAME	Theory/ Lab
24BS2115	Discrete Mathematics & Graph Theory	Theory
24HM2101	Universal human values – understanding harmony and Ethical human conduct	Theory
24CS2101	Digital Logic &Computer Organization	Theory
24CS2102	Advanced Data Structures & Algorithm Analysis	Theory
24CS2103	Object Oriented Programming Through Java	Theory
24CS2104	Advanced Data Structures & Algorithm Analysis Lab	Lab
24CS2105	Object Oriented Programming Through Java Lab	Lab
24CS21SC	Python Programming	Lab
24AU2103	Environmental Science	Audit

CSC (46)
CR24 – II B.TECH II SEMESTER COURSE CODES

SUBJECT CODE	SUBJECT NAME	Theory/ Lab
24MB2210	Managerial Economics and Financial Analysis	Theory
24BS2218	Number Theory & Applications	Theory
24CY2201	Computer Networks	Theory
24CS2208	Operating Systems	Theory
24CS2209	Database Management Systems	Theory
24CS2210	Database Management Systems Lab	Lab
24CY2202	Computer Networks Lab	Lab
24CS22SC	Full Stack Development-I or Any of the APSCHE offered skill oriented course	Lab
24BS2221	Design Thinking & Innovation	Audit

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