

ACADEMIC CURRICULA
UNDERGRADUATE/ INTEGRATED
POST GRADUATE DEGREE
PROGRAMMES

(With exit option of Diploma)

(Choice Based Flexible Credit System)

Regulations 2021

Volume – 1

(Revised on July 2024)



SRM
INSTITUTE OF SCIENCE & TECHNOLOGY
(Deemed to be University u/s 3 of UGC Act, 1956)

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

(Deemed to be University u/s 3 of UGC Act, 1956)

Kattankulathur, Chengalpattu District 603203,

Tamil Nadu, India

28. B.Tech. in Computer Science and Engineering with Specialization in Internet of Things

28. (a) Mission of the Department

| | |
|------------------|--|
| Mission Stmt – 1 | To impart knowledge in cutting edge Computer Science and Engineering technologies in par with industrial standards. |
| Mission Stmt – 2 | To collaborate with renowned academic institutions to uplift innovative research and development in Computer Science and Engineering and its allied fields to serve the needs of society |
| Mission Stmt – 3 | To demonstrate strong communication skills and possess the ability to design computing systems individually as well as part of a multidisciplinary teams. |
| Mission Stmt – 4 | To instill societal, safety, cultural, environmental, and ethical responsibilities in all professional activities |
| Mission Stmt – 5 | To produce successful skilled IoT engineers to emerge as independent entrepreneurs and future leaders. |

28. (b) Program Educational Objectives (PEO)

| | |
|---------|--|
| PEO – 1 | Graduates will be able to perform in technical/managerial roles ranging from design, development, problem solving to production support in software industries and R&D sectors. |
| PEO – 2 | Graduates will be able to successfully pursue higher education in reputed institutions. |
| PEO – 3 | Graduates will have the ability to adapt, contribute and innovate new technologies and systems in the key domains of Computer Science and Engineering. |
| PEO – 4 | Graduates will be ethically, eco-friendly and socially responsible solution providers in Computer Science and other engineering disciplines. |
| PEO – 5 | Graduates will be able to demonstrate their leadership abilities with IoT skills while addressing various social issues in an industrial, entrepreneurial, and research setting. |

28. (c) Mission of the Department to Program Educational Objectives (PEO) Mapping

| | Mission Stmt. - 1 | Mission Stmt. - 2 | Mission Stmt. - 3 | Mission Stmt. - 4 | Mission Stmt. - 5 |
|---------|-------------------|-------------------|-------------------|-------------------|-------------------|
| PEO - 1 | 3 | - | - | - | 1 |
| PEO - 2 | - | 3 | 1 | - | - |
| PEO - 3 | 3 | - | 3 | - | - |
| PEO - 4 | - | 2 | - | 3 | - |
| PEO - 5 | - | - | - | 3 | 3 |

3 – High Correlation, 2 – Medium Correlation, 1 – Low Correlation

28. (d) Mapping Program Educational Objectives (PEO) to Program Outcomes (PO)

| | Program Outcomes (PO) | | | | | | | | | | | | Program Specific Outcomes (PSO) | | |
|---------|-----------------------|------------------|---------------------------------|--|-------------------|--------------------------|------------------------------|--------|------------------------|---------------|------------------------|--------------------|---------------------------------|-------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | PSO-1 | PSO-2 | PSO-3 |
| | Engineering Knowledge | Problem Analysis | Design/development of solutions | Conduct investigations of complex problems | Modern Tool Usage | The engineer and society | Environment & Sustainability | Ethics | Individual & Team Work | Communication | Project Mgt. & Finance | Life Long Learning | | | |
| PEO - 1 | 3 | - | - | 1 | - | 2 | - | 3 | 2 | 3 | - | - | - | - | - |
| PEO - 2 | - | 2 | 2 | - | 3 | - | 3 | 2 | - | - | - | - | 2 | - | - |
| PEO - 3 | - | 3 | 3 | 2 | - | - | - | - | - | 2 | - | 3 | - | 2 | - |
| PEO - 4 | - | 2 | 3 | - | - | 3 | 2 | - | 2 | - | 2 | 2 | - | 2 | 3 |
| PEO - 5 | - | - | - | - | - | 3 | - | - | 3 | 3 | 3 | 3 | - | - | 3 |

3 – High Correlation, 2 – Medium Correlation, 1 – Low Correlation

PSO – Program Specific Outcomes (PSO)

| | |
|---------|--|
| PSO - 1 | To understand, analyze, design, and develop computing solutions by applying fundamental concepts of computer science and engineering. |
| PSO - 2 | To apply computing principles, skills and practices to develop solutions using logical and reasoning skills, for real life problems. |
| PSO - 3 | To utilize cutting-edge techniques in IoT concepts for societal needs with promoting lifelong learning & research for a forward-thinking profession. |

28. (e) Program Structure: B.Tech. in Computer Science and Engineering with Specialization in Internet of Things

| Humanities & Social Sciences including Management Courses (H) | | | | | | |
|--|--|-----------------|---|----|----|----|
| Course Code | Course Title | Hours / Week | | | | |
| | | L | T | P | C | |
| 21LEH101T | Communicative English | 2 | 1 | 0 | 3 | |
| 21LEH102T | Chinese | 2 | 1 | 0 | 3 | |
| 21LEH103T | French | | | | | |
| 21LEH104T | German | | | | | |
| 21LEH105T | Japanese | | | | | |
| 21LEH106T | Korean | | | | | |
| 21LEH107T | Spanish | | | | | |
| 21LEH108T | Russian | | | | | |
| 21GNH101J | Philosophy of Engineering | 1 | 0 | 2 | 2 | |
| 21PDH209T ¹ | Social Engineering | 2 | 0 | 0 | 2 | |
| 21GNH401T | Behavioral Psychology | 2 | 1 | 0 | 3 | |
| Total Credits 13 | | | | | | |
| Engineering Science Courses (S) | | | | | | |
| Course Code | Course Title | Hours / Week | | | | |
| | | L | T | P | C | |
| 21CSS101J | Programming for Problem Solving | 3 | 0 | 2 | 4 | |
| 21MES101L ¹ | Basic civil and Mechanical Workshop | 0 | 0 | 4 | 2 | |
| 21MES102L ¹ | Engineering Graphics and Design | 0 | 0 | 4 | 2 | |
| 21EES101T | Electrical and Electronics Engineering | 3 | 1 | 0 | 4 | |
| 21CSS201T | Computer Organization and Architecture | 3 | 1 | 0 | 4 | |
| 21DCS201P ¹ | Design Thinking and Methodology | 1 | 2 | 0 | 3 | |
| 21CSS303T | Data Science | 2 | 0 | 0 | 2 | |
| Total Credits 21 | | | | | | |
| Basic Science Courses (B) | | | | | | |
| Course Code | Course Title | Hours / Week | | | | |
| | | L | T | P | C | |
| 21PYB102J | Semiconductor Physics and Computational Methods | 3 | 1 | 2 | 5 | |
| 21CYB101J | Chemistry | 3 | 1 | 2 | 5 | |
| 21MAB101T | Calculus and Linear Algebra | 3 | 1 | 0 | 4 | |
| 21MAB102T | Advanced Calculus and Complex Analysis | 3 | 1 | 0 | 4 | |
| 21MAB206T | Numerical Methods and Analysis | 3 | 1 | 0 | 4 | |
| 21MAB204T | Probability and Queuing Theory | 3 | 1 | 0 | 4 | |
| 21MAB302T | Discrete Mathematics | 3 | 1 | 0 | 4 | |
| 21BTB102T | Introduction to Computational Biology | 2 | 0 | 0 | 2 | |
| Total Credits 32 | | | | | | |
| Professional Core Courses (C) | | | | | | |
| Course Code | Course Title | Hours / Week | | | | |
| | | L | T | P | C | |
| 21CSC101T | Object Oriented Design and Programming | 2 | 1 | 0 | 3 | |
| 21CSC201J | Data Structures and Algorithms | 3 | 0 | 2 | 4 | |
| 21CSC202J | Operating Systems | 3 | 0 | 2 | 4 | |
| 21CSC203P ¹ | Advanced Programming Practice | 3 | 1 | 0 | 4 | |
| 21CSC204J | Design and Analysis of Algorithms | 3 | 0 | 2 | 4 | |
| 21CSC205P ¹ | Database Management Systems | 3 | 1 | 0 | 4 | |
| 21CSC206T | Artificial Intelligence | 2 | 1 | 0 | 3 | |
| 21CSC301T | Formal Language and Automata | 3 | 0 | 0 | 3 | |
| 21CSC302J | Computer Networks | 3 | 0 | 2 | 4 | |
| 21CSC303J | Software Engineering and Project Management | 2 | 0 | 2 | 3 | |
| 21CSC315J | Fog Computing | 2 | 0 | 2 | 3 | |
| 21CSC313J | Cloud Computing for IoT | 2 | 0 | 2 | 3 | |
| Total Credits 42 | | | | | | |
| Open Elective Courses (O) (Any 3 courses) | | | | | | |
| Course Code | Course Title | Hours / Week | | | | |
| | | L | T | P | C | |
| 21CSO351T | Web Programming | 2 | 1 | 0 | 3 | |
| 21CSO352T | Python Programming | 2 | 1 | 0 | 3 | |
| 21CSO353T | Mobile Application Development | 2 | 1 | 0 | 3 | |
| 21CSO354T | Data Analytics | 2 | 1 | 0 | 3 | |
| Total Credits 09 | | | | | | |
| Non Credit Courses (M) | | | | | | |
| Course Code | Course Title | Hours / Week | | | | |
| | | L | T | P | C | |
| 21PDM101L ¹ | Professional Skills and Practices | 0 | 0 | 2 | 0 | |
| 21PDM102L ¹ | General Aptitude | 0 | 0 | 2 | | |
| 21PDM201L ¹ | Verbal Reasoning | 0 | 0 | 2 | | |
| 21PDM202L ¹ | Critical and Creative Thinking Skills | 0 | 0 | 2 | | |
| 21PDM301L ¹ | Analytical and Logical Thinking Skills | 0 | 0 | 2 | | |
| 21PDM302L ¹ | Employability Skills and Practices | 0 | 0 | 2 | 0 | |
| 21CYM101T ¹ | Environmental Science | 1 | 0 | 0 | | 0 |
| 21LEM101T ¹ | Constitution of India | 1 | 0 | 0 | | 0 |
| 21LEM102T ¹ | Universal Human Values – Introduction | 1 | 0 | 0 | | 0 |
| 21LEM201T ¹ | Professional Ethics | 1 | 0 | 0 | | 0 |
| 21LEM202T ¹ | Universal Human Values-II: Understanding Harmony and Ethical Human Conduct | 2 | 1 | 0 | | 3 |
| 21LEM301T ¹ | Indian Art Form | 1 | 0 | 0 | | 0 |
| 21LEM302T ¹ | Indian Traditional Knowledge | 1 | 0 | 0 | | 0 |
| 21GNM101L ¹ | Physical and Mental Health using Yoga | 0 | 0 | 2 | | 0 |
| 21GNM102L ¹ | National Service Scheme | | | | | |
| 21GNM103L ¹ | National Cadet Corps | | | | | |
| 21GNM104L ¹ | National Sports Organization | | | | | |
| Total Credits 03 | | | | | | |
| Project Work, Seminar, Internship in Industry / Higher Technical Institutions (P) | | | | | | |
| Course Code | Course Title | Hours / Week | | | | |
| | | L | T | P | C | |
| 21GNP301L ¹ | Community Connect | 0 | 0 | 2 | 1 | |
| 21CSP302L ¹ | Project | 0 | 0 | 6 | 3 | |
| 21CSP303T ¹ | MOOC | 3 | 0 | 0 | | |
| 21CSP401L | Major Project | 0 | 0 | 30 | | 15 |
| 21CSP402L | Major Project | 0 | 0 | 20 | 10 | |
| 21CSP403L | Internship# | 0 | 0 | 10 | 5 | |
| Total Credits 19 | | | | | | |

| Professional Elective Courses (E) (Any 8 Courses) | | | | | | Professional Elective Courses (E) | | | | | |
|--|---|--------------|---|---|---|-----------------------------------|--|--------------|---|---|-----------|
| Course Code | Course Title | Hours / Week | | | C | Course Code | Course Title | Hours / Week | | | C |
| | | L | T | P | | | | L | T | P | |
| 21CSE264T | Introduction to IoT: Sensors, Actuators and Microcontrollers | 2 | 1 | 0 | 3 | 21CSE370J | Data Visualization for IoT | 2 | 0 | 2 | 3 |
| 21CSE265T | Introduction to Embedded Programming and Embedded OS | 3 | 0 | 0 | 3 | 21CSE371J | IoT Techniques, Tools, and its application | 2 | 0 | 2 | 3 |
| 21CSE266T | Internet of Things Architecture and Protocols | 3 | 0 | 0 | 3 | 21CSE467T | Advanced Database Systems | 2 | 1 | 0 | 3 |
| 21CSE365T | Machine Learning for IoT | 2 | 1 | 0 | 3 | 21CSE468T | Edge Computing | 2 | 1 | 0 | 3 |
| 21CSE366T | Introduction to Cloud Application Development for IoT | 2 | 1 | 0 | 3 | 21CSE469T | Energy Management for IoT devices | 2 | 1 | 0 | 3 |
| 21CSE367T | IoT Forensics | 2 | 1 | 0 | 3 | 21CSE470T | Applied Software Techniques in IoT Engineering | 2 | 1 | 0 | 3 |
| 21CSE368J | Network Programming for IoT | 2 | 0 | 2 | 3 | 21CSE471T | Fundamentals of Cyber security | 2 | 1 | 0 | 3 |
| 21CSE369J | Introduction to Security of Internet of Things and Cyber-Physical Systems | 2 | 0 | 2 | 3 | 21CSE472J | Full Stack Development for IoT | 2 | 0 | 2 | 3 |
| | | | | | | 21CSE473T | Deep Learning for IoT | 2 | 1 | 0 | 3 |
| | | | | | | 21CSE474T | IoT Privacy | 2 | 1 | 0 | 3 |
| | | | | | | Total Credits | | | | | 24 |



28. (f) Programme Articulation: B.Tech. in Computer Science and Engineering with Specialization in Internet of Things

| Course Code | Course Name | Program Outcomes (PO) | | | | | | | | | | | | PSO | | |
|-----------------|---|-----------------------|------------------|---------------------------------|--|-------------------|--------------------------|------------------------------|--------|------------------------|---------------|------------------------|--------------------|-------|-------|-------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 1 | 2 | 3 |
| | | Engineering Knowledge | Problem Analysis | Design/development of solutions | Conduct investigations of complex problems | Modern Tool Usage | The engineer and society | Environment & Sustainability | Ethics | Individual & Team Work | Communication | Project Mgt. & Finance | Life Long Learning | PSO-1 | PSO-2 | PSO-3 |
| 21CSS101J | Programming for Problem Solving | 2 | 3 | - | - | - | - | - | - | - | - | 2 | - | 3 | - | |
| 21CSS303T | Data Science | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - |
| 21CSS201T | Computer Organization and Architecture | 3 | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 1 |
| 21CSC201J | Data Structures and Algorithms | 2 | 3 | 3 | 1 | - | - | - | - | - | - | - | - | 1 | 1 | 2 |
| 21CSC101T | Object Oriented Design and Programming | - | 2 | 2 | - | 2 | - | - | - | - | - | 3 | - | 2 | 2 | |
| 21CSC204J | Design and Analysis of Algorithms | 2 | 1 | 2 | 1 | - | - | - | - | - | 3 | - | 3 | 3 | 1 | - |
| 21CSC202J | Operating Systems | 3 | 3 | 3 | 2 | - | - | - | - | - | - | 3 | 2 | - | - | |
| 21CSC303J | Software Engineering and Project Management | - | 3 | 2 | - | - | - | - | - | 2 | - | 2 | - | 3 | - | - |
| 21CSC203P | Advanced Programming Practice | 3 | 2 | 2 | 1 | 2 | - | - | - | 1 | - | - | - | 2 | - | - |
| 21CSC301T | Formal Language and Automata | 2 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | 3 | - |
| 21CSC302J | Computer Networks | 3 | - | - | 2 | 3 | - | - | - | - | - | - | - | 1 | - | - |
| 21CSC205P | Database Management Systems | 3 | 2 | 2 | - | - | - | - | - | - | - | - | - | 2 | 1 | - |
| 21CSC206T | Artificial Intelligence | 1 | 2 | 3 | - | - | - | - | - | - | - | - | - | 1 | 2 | - |
| 21CSC315J | Fog Computing | | | 3 | 2 | 2 | | | | | | | | | 2 | 3 |
| 21CSC313J | Cloud Computing for IoT | | 2 | | | 3 | | | | | | | | | 3 | 3 |
| 21CSE264T | Introduction to IoT: Sensors, Actuators and Microcontrollers | | | 3 | 2 | | | | | | | | | 2 | 2 | |
| 21CSE265T | Introduction to Embedded Programming and Embedded OS | | | 3 | 2 | | | | | | | | | 3 | 3 | |
| 21CSE266T | Internet of Things Architecture and Protocols | | 3 | 3 | | | | | | | | | | 2 | 2 | |
| 21CSE365T | Machine Learning for IoT | | 2 | | | 3 | | | | | | | | | 3 | 3 |
| 21CSE366T | Introduction to Cloud Application Development for IoT | | | 3 | 2 | | | | | | | | | | 3 | 3 |
| 21CSE367T | IoT Forensics | | 3 | 3 | | | | | | | | | | 2 | 2 | |
| 21CSE368J | Network Programming for IoT | | | 2 | | 3 | | | | | | | | | 3 | 3 |
| 21CSE369J | Introduction to Security of Internet of Things and Cyber-Physical Systems | | | 3 | 2 | | | | | | | | | | 3 | 3 |
| 21CSE370J | Data Visualization for IoT | | 3 | 3 | 2 | 2 | | | | | | | | 2 | 2 | |
| 21CSE371J | IoT Techniques, Tools, and its application | | | 2 | | 3 | | | | | | | | | 3 | 3 |
| 21CSE467T | Advanced Database Systems | | | 2 | 3 | | | | | | | | | 2 | 3 | |
| 21CSE468T | Edge Computing | | | 3 | 2 | | | | | | | | | 3 | 3 | |
| 21CSE469T | Energy Management for IoT devices | | 3 | | 2 | | | | | | | | | 2 | 3 | |
| 21CSE470T | Applied Software Techniques in IoT Engineering | | | 2 | 3 | | | | | | | | | 2 | 3 | |
| 21CSE471T | Fundamentals of Cyber security | | | 3 | 2 | | | | | | | | | | 3 | 2 |
| 21CSE472J | Full Stack Development for IoT | | | 3 | | 2 | | | | | | | | | 3 | 3 |
| 21CSE473T | Deep Learning for IoT | | 3 | | | 3 | | | | | | | | | 3 | 3 |
| 21CSE474T | IoT Privacy | | | 3 | | | | 2 | | | | | | | 3 | 2 |
| 21CSP302L | Project | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 21CSP303T | MOOC | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 21CSP401L | Major Project | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 21CSP402L | Major Project | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 21CSP403L | Internship | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Program Average | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

| Semester – I | | | | | | |
|------------------------|---|--------------|---|---|----|--|
| Course Code | Course Title | Hours / Week | | | C | |
| | | L | T | P | | |
| 21LEH101T | Communicative English | 2 | 1 | 0 | 3 | |
| 21MAB101T | Calculus and Linear Algebra | 3 | 1 | 0 | 4 | |
| 21PYB102J | Semiconductor Physics and Computational Methods | 3 | 1 | 2 | 5 | |
| 21MES102L ¹ | Engineering Graphics and Design | 0 | 0 | 4 | 2 | |
| 21EES101T | Electrical and Electronics Engineering | 3 | 1 | 0 | 4 | |
| 21CSS101J | Programming for Problem Solving | 3 | 0 | 2 | 4 | |
| 21CYM101T ¹ | Environmental Science* | 1 | 0 | 0 | 0 | |
| 21PDM101L ¹ | Professional Skills and Practices | 0 | 0 | 2 | 0 | |
| 21LEM101T ¹ | Constitution of India | 1 | 0 | 0 | 0 | |
| Total Credits | | | | | 22 | |

| Semester – II | | | | | | |
|------------------------|--|--------------|---|---|----|--|
| Course Code | Course Title | Hours / Week | | | C | |
| | | L | T | P | | |
| 21LEH102T | Chinese | | | | | |
| 21LEH103T | French | | | | | |
| 21LEH104T | German | | | | | |
| 21LEH105T | Japanese | | | | | |
| 21LEH106T | Korean | | | | | |
| 21LEH107T | Spanish | | | | | |
| 21LEH108T | Russian | | | | | |
| 21GNH101J | Philosophy of Engineering | 1 | 0 | 2 | 2 | |
| 21MAB102T | Advanced Calculus and Complex Analysis | 3 | 1 | 0 | 4 | |
| 21CYB101J | Chemistry | 3 | 1 | 2 | 5 | |
| 21BTB102T | Introduction to Computational Biology | 2 | 0 | 0 | 2 | |
| 21CSC101T | Object Oriented Design and Programming | 2 | 1 | 0 | 3 | |
| 21MES101L ¹ | Basic Civil and Mechanical Workshop | 0 | 0 | 4 | 2 | |
| 21PDM102L ¹ | General Aptitude* | 0 | 0 | 2 | 0 | |
| 21GNM101L ¹ | Physical and Mental Health using Yoga | | | | | |
| 21GNM102L ¹ | National Service Scheme | | | | | |
| 21GNM103L ¹ | National Cadet Corps | | | | | |
| 21GNM104L ¹ | National Sports Organization | | | | | |
| Total Credits | | | | | 21 | |

| Semester – III | | | | | | |
|------------------------|--|--------------|---|---|----|--|
| Course Code | Course Title | Hours / Week | | | C | |
| | | L | T | P | | |
| 21MAB206T | Numerical Methods and Analysis | 3 | 1 | 0 | 4 | |
| 21DCS201P ¹ | Design Thinking and Methodology | 1 | 2 | 0 | 3 | |
| 21CSS201T | Computer Organization and Architecture | 3 | 1 | 0 | 4 | |
| 21CSC201J | Data Structures and Algorithms | 3 | 0 | 2 | 4 | |
| 21CSC202J | Operating Systems | 3 | 0 | 2 | 4 | |
| 21CSC203P ¹ | Advanced Programming Practice | 3 | 1 | 0 | 4 | |
| 21LEM201T ¹ | Professional Ethic | 1 | 0 | 0 | 0 | |
| 21PDM201L ¹ | Verbal Reasoning | 0 | 0 | 2 | 0 | |
| Total Credits | | | | | 23 | |

| Semester – IV | | | | | | |
|------------------------|--|--------------|---|---|----|--|
| Course Code | Course Title | Hours / Week | | | C | |
| | | L | T | P | | |
| 21MAB204T | Probability and Queueing Theory | 3 | 1 | 0 | 4 | |
| 21CSC204J | Design and Analysis of Algorithms | 3 | 0 | 2 | 4 | |
| 21CSC205P ¹ | Database Management Systems | 3 | 1 | 0 | 4 | |
| 21CSC206T | Artificial Intelligence | 2 | 1 | 0 | 3 | |
| E | Professional Elective-I | | | | 3 | |
| 21PDH209T ¹ | Social Engineering | 2 | 0 | 0 | 2 | |
| 21PDM202L ¹ | Critical and Creative Thinking Skills | 0 | 0 | 2 | 0 | |
| 21LEM202T ¹ | Universal Human Values-II: Understanding Harmony and Ethical Human Conduct | 2 | 1 | 0 | 3 | |
| Total Credits | | | | | 23 | |

| Semester – V | | | | | | |
|------------------------|--|--------------|---|---|----|----|
| Course Code | Course Title | Hours / Week | | | C | |
| | | L | T | P | | |
| 21MAB302T | Discrete Mathematics | 3 | 1 | 0 | 4 | |
| 21CSC301T | Formal Language and Automata | 3 | 0 | 0 | 3 | |
| 21CSC302J | Computer Networks | 3 | 0 | 2 | 4 | |
| 21CSC313J | Cloud Computing for IoT | 2 | 0 | 2 | 3 | |
| E | Professional Elective – II | | | | 3 | |
| O | Open Elective – I | | | | 3 | |
| 21GNP301L ¹ | Community Connect | 0 | 0 | 2 | 1 | |
| 21PDM301L ¹ | Analytical and Logical Thinking Skills | 0 | 0 | 2 | 0 | |
| 21LEM301T ¹ | Indian Art Form | 1 | 0 | 0 | 0 | |
| Total Credits | | | | | 21 | </ |



SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

(Deemed to be University u/s 3 of UGC Act, 1956)

Kattankulathur, Chengalpattu District 603203, Tamil Nadu, India