

ACADEMIC CURRICULA

**Project Work, Seminar,
Internship in Industry / Higher Technical Institutions
Courses**

Regulations 2018

Volume – 4 (8)



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, Kancheepuram, Tamil Nadu, India

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|-------------|--|--|--|--|-------------------------------------|-------------------------------------|-------------|--|-----------------|---|---|---|---|---|---|
| Course Code | 18ASP101L 18CHP101L 18EEP101L 18MHP101L | 18ASP104L 18CHP104L 18EEP104L 18MHP104L | 18AUP101L 18CEP101L 18ECP101L 18NTP101L | 18AUP104L 18CEP104L 18ECP104L 18NTP104L | 18BTP101L 18CSP101L 18MEP101L | 18BTP104L 18CSP104L 18MEP104L | Course Name | MASSIVE OPEN ONLINE COURSE - I / MASSIVE OPEN ONLINE COURSE - II | Course Category | P | Project Work, Seminar, Internship in Industry / Higher Technical Institutions | L | T | P | C |
| | | | | | | | | | | | | 0 | 0 | 2 | 1 |

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|----------------------------------|--|--|--|--|--|---------------------------|--------------------------|-------------------------|---------------------------------|------------------|----------------------|----------------------------|-------------------|-------------------|------------------------------|--------|------------------------|---------------|------------------------|--------------------|---------|---------|---------|
| Course Learning Rationale (CLR): | | The purpose of learning this course is to: | | | | Learning | | | Program Learning Outcomes (PLO) | | | | | | | | | | | | | | |
| CLR-1 : | Improve Student Academic Characteristics and learning goals through forums, discussion groups, and blogs | | | | | 1 | 2 | 3 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| CLR-2 : | Improve Student Personal Characteristics through self-learning habits | | | | | Level of Thinking (Bloom) | Expected Proficiency (%) | Expected Attainment (%) | Engineering Knowledge | Problem Analysis | Design & Development | Analysis, Design, Research | Modern Tool Usage | Society & Culture | Environment & Sustainability | Ethics | Individual & Team Work | Communication | Project Mgt. & Finance | Life Long Learning | PSO - 1 | PSO - 2 | PSO - 3 |
| CLR-3 : | Characterize self-learning environment that includes pedagogy, tools, tasks, duration, feedback and assessments | | | | | | | | | | | | | | | | | | | | | | |
| CLR-4 : | Improve lifelong learning habits and Learning process | | | | | | | | | | | | | | | | | | | | | | |
| CLR-5 : | Characterize learning engagement methods and activities | | | | | | | | | | | | | | | | | | | | | | |
| CLR-6 : | Inculcate self-learning behavior and lifelong learning tendency | | | | | | | | | | | | | | | | | | | | | | |
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| Course Learning Outcomes (CLO): | | At the end of this course, learners will be able to: | | | | | | | | | | | | | | | | | | | | | |
| CLO-1 : | Inculcate student characteristics: prior-knowledge, prior-experience, expertise, academic achievement and matriculation | | | | | 3 | 95 | 85 | H | M | M | H | H | H | - | H | H | H | - | H | - | - | - |
| CLO-2 : | Inculcate self-motivation, self-confidence, intrinsic motivation, participation, social economic statute, and task-orientation | | | | | 3 | 95 | 85 | H | M | M | H | H | H | - | H | H | H | - | H | - | - | - |
| CLO-3 : | Enhance self-learning through peer learning, learning groups, positive collaboration | | | | | 3 | 95 | 85 | H | M | M | H | H | H | - | H | H | H | - | H | - | - | - |
| CLO-4 : | Explore different learning styles and activities, identify self-learning pace, difficulties and remedial measures | | | | | 3 | 95 | 85 | H | M | M | H | H | H | - | H | H | H | - | H | - | - | - |
| CLO-5 : | Identify ways of students' engagement, achievement, and attrition | | | | | 3 | 95 | 85 | H | M | M | H | H | H | - | H | H | H | - | H | - | - | - |
| CLO-6 : | Identify ethical practices in self-learning and practice both individual and group learning dynamics | | | | | 3 | 95 | 85 | H | M | M | H | H | H | - | H | H | H | - | H | - | - | - |

MOOC Course Selection: List of MOOC Courses that are Approved to be learned by the student in the respective semester will be displayed by the Department MOOC Committee. Student can pick any course from that list.

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| Learning Assessment | MOOC Certification Obtained (80% weightage) | Final Presentation (20% weightage) |
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Note: Final Presentation by the student would be evaluated by the Department MOOC Committee.

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| Course Code | 18ASP102L 18CHP102L 18EEP102L 18MHP102L | 18ASP105L 18CHP105L 18EEP105L 18MHP105L | 18AUP102L 18CEP102L 18ECP102L 18NTP102L | 18AUP105L 18CEP105L 18ECP105L 18NTP105L | 18BTP102L 18CSP102L 18MEP102L | 18BTP105L 18CSP105L 18MEP105L | Course Name | INDUSTRIAL TRAINING – I / INDUSTRIAL TRAINING – II | Course Category | P | Project Work, Seminar, Internship in Industry / Higher Technical Institutions | L 0 | T 0 | P 2 | C 1 |
|-------------|--|--|--|--|-------------------------------------|-------------------------------------|-------------|--|-----------------|---|--|--------|--------|--------|--------|

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|----------------------------------|---|--|--|--|--|---------------------------|--------------------------|-------------------------|-----------------------|---------------------------------|----------------------|----------------------------|-------------------|-------------------|------------------------------|--------|------------------------|---------------|------------------------|--------------------|---------|---------|---------|----|----|----|----|
| Course Learning Rationale (CLR): | | The purpose of learning this course is to: | | | | | Learning | | | Program Learning Outcomes (PLO) | | | | | | | | | | | | | | | | | |
| CLR-1 : | Train oneself in finding the aspects in real-time work environment and prepare them to join the workforce in the future | | | | | Level of Thinking (Bloom) | Expected Proficiency (%) | Expected Attainment (%) | 1 | 2 | 3 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | |
| CLR-2 : | Gain Exposure to the actual working conditions including rules, regulations and safety practices | | | | | | | | Engineering Knowledge | Problem Analysis | Design & Development | Analysis, Design, Research | Modern Tool Usage | Society & Culture | Environment & Sustainability | Ethics | Individual & Team Work | Communication | Project Mgt. & Finance | Life Long Learning | PSO - 1 | PSO - 2 | PSO - 3 | | | | |
| CLR-3 : | Enhance and supplement the knowledge and skills of the students | | | | | | | | H | M | M | H | H | H | L | H | H | H | H | H | H | H | H | - | - | - | |
| CLR-4 : | Develop the students in terms of ability, competence and interpersonal relationship | | | | | | | | H | M | M | H | H | H | L | H | H | H | H | H | H | H | H | - | - | - | |
| CLR-5 : | Enhance students' knowledge in one particular technology | | | | | | | | H | M | M | H | H | H | L | H | H | H | H | H | H | H | H | - | - | - | |
| CLR-6 : | Provide learning platform that can enhance their employ ability skills | | | | | | | | H | M | M | H | H | H | L | H | H | H | H | H | H | H | - | - | - | | |
| Course Learning Outcomes (CLO): | | At the end of this course, learners will be able to: | | | | | 3 | 95 | 85 | 3 | 95 | 85 | 3 | 95 | 85 | 3 | 95 | 85 | 3 | 95 | 85 | 3 | 95 | 85 | 3 | 95 | 85 |
| CLO-1 : | Apply knowledge of Mathematics, Science, and Engineering Fundamentals in the real world of work | | | | | 3 | 95 | 85 | 3 | 95 | 85 | 3 | 95 | 85 | 3 | 95 | 85 | 3 | 95 | 85 | 3 | 95 | 85 | 3 | 95 | 85 | |
| CLO-2 : | Demonstrate competency in relevant engineering fields through problem identification, formulation and solution | | | | | 3 | 95 | 85 | 3 | 95 | 85 | 3 | 95 | 85 | 3 | 95 | 85 | 3 | 95 | 85 | 3 | 95 | 85 | 3 | 95 | 85 | |
| CLO-3 : | Effectively implement skills in professional communication, technical writing and using multimedia tools | | | | | 3 | 95 | 85 | 3 | 95 | 85 | 3 | 95 | 85 | 3 | 95 | 85 | 3 | 95 | 85 | 3 | 95 | 85 | 3 | 95 | 85 | |
| CLO-4 : | Develop ability to work as an individual and in a group as an effective team member | | | | | 3 | 95 | 85 | 3 | 95 | 85 | 3 | 95 | 85 | 3 | 95 | 85 | 3 | 95 | 85 | 3 | 95 | 85 | 3 | 95 | 85 | |
| CLO-5 : | Master the professional and ethical responsibilities of an engineer | | | | | 3 | 95 | 85 | 3 | 95 | 85 | 3 | 95 | 85 | 3 | 95 | 85 | 3 | 95 | 85 | 3 | 95 | 85 | 3 | 95 | 85 | |
| CLO-6 : | Generate a report based on the experiences and projects carried out in a real-world work environment | | | | | 3 | 95 | 85 | 3 | 95 | 85 | 3 | 95 | 85 | 3 | 95 | 85 | 3 | 95 | 85 | 3 | 95 | 85 | 3 | 95 | 85 | |

Industrial Training Selection: List of Industries for Industrial Training for students would be finalized by the Department Internship/Industrial Training Committee.

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| Learning Assessment | |
| Industrial Training Certification Obtained (80% weightage) | Final Presentation (20% weightage) |

Note: Final Presentation Evaluation would be done by the Internship/Industrial Training Committee formed by the Department.

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|-------------|--|--|--|--|-------------------------------------|-------------------------------------|-------------|----------------------------------|-----------------|---|--|---|---|---|---|
| Course Code | 18ASP103L 18CHP103L 18EEP103L 18MHP103L | 18ASP106L 18CHP106L 18EEP106L 18MHP106L | 18AUP103L 18CEP103L 18ECP103L 18NTP103L | 18AUP106L 18CEP106L 18ECP106L 18NTP106L | 18BTP103L 18CSP103L 18MEP103L | 18BTP106L 18CSP106L 18MEP106L | Course Name | SEMINAR – I / SEMINAR – II | Course Category | P | Project Work, Seminar, Internship in Industry / Higher Technical Institutions | L | T | P | C |
| | | | | | | | | | | | | 0 | 0 | 2 | 1 |

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|----------------------------------|---|--|--|--|--|---------------------------|--------------------------|-------------------------|---------------------------------|------------------|----------------------|----------------------------|-------------------|-------------------|------------------------------|--------|------------------------|---------------|------------------------|--------------------|---------|---------|---------|
| Course Learning Rationale (CLR): | | The purpose of learning this course is to: | | | | Learning | | | Program Learning Outcomes (PLO) | | | | | | | | | | | | | | |
| CLR-1 : | Utilize fundamental principles, generalizations, or theories and ability to present the same | | | | | 1 | 2 | 3 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| CLR-2 : | Increase self-motivation, personal responsibility, understand one's role of being an informed participant | | | | | Level of Thinking (Bloom) | Expected Proficiency (%) | Expected Attainment (%) | Engineering Knowledge | Problem Analysis | Design & Development | Analysis, Design, Research | Modern Tool Usage | Society & Culture | Environment & Sustainability | Ethics | Individual & Team Work | Communication | Project Mgt. & Finance | Life Long Learning | PSO - 1 | PSO - 2 | PSO - 3 |
| CLR-3 : | Create an environment that helps the student establish healthy relationships and support networks | | | | | | | | | | | | | | | | | | | | | | |
| CLR-4 : | State and explain some specific skills, competencies, and points of view | | | | | | | | | | | | | | | | | | | | | | |
| CLR-5 : | Identify, apply appropriate note-taking, test-taking, and time-management strategies to the academic studies | | | | | | | | | | | | | | | | | | | | | | |
| CLR-6 : | Develop critical thinking, information literacy, Interdisciplinary Inquiry, Engaging with Big Questions and Major Works | | | | | | | | | | | | | | | | | | | | | | |
| Course Learning Outcomes (CLO): | | At the end of this course, learners will be able to: | | | | 3 | 95 | 85 | H | M | M | H | H | H | L | H | H | H | - | H | - | - | - |
| CLO-1 : | Gaining factual knowledge (terminology, classifications, methods, trends) | | | | | 3 | 95 | 85 | H | M | M | H | H | H | L | H | H | H | - | H | - | - | - |
| CLO-2 : | Rlate to their interests, abilities, career choices, and personal development | | | | | 3 | 95 | 85 | H | M | M | H | H | H | L | H | H | H | - | H | - | - | - |
| CLO-3 : | Develop a plan that demonstrates their responsibility for their own education | | | | | 3 | 95 | 85 | H | M | M | H | H | H | L | H | H | H | - | H | - | - | - |
| CLO-4 : | Explain the role of self-efficacy, personal goals, and motivation in improving academic life | | | | | 3 | 95 | 85 | H | M | M | H | H | H | L | H | H | H | - | H | - | - | - |
| CLO-5 : | Describe the behaviors and characteristics of an effective learner | | | | | 3 | 95 | 85 | H | M | M | H | H | H | L | H | H | H | - | H | - | - | - |
| CLO-6 : | Improve the Presentation Skills, Discussion Skills, Listening Skills, Arumentative Skills, Critical Thinking, Questioning | | | | | 3 | 95 | 85 | H | M | M | H | H | H | L | H | H | H | - | H | - | - | - |

Seminar Selection: List of Seminar Topics that are Approved to be learned by the student in the respective semester will be displayed by the Department Seminar Selection/Evaluation Committee. Student can pick any topic from that list.

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| Learning Assessment | Seminar Preparation Materials & Report (80% weightage) | Final Presentation (20% weightage) |
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Note: Final Presentation Evaluation would be done by the Seminar Evaluation Committee formed by the Department.

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|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|---------------|-----------------|---|---|---|---|---|---|
| Course Code | 18ASP107L | 18AUP107L | 18BTP107L | 18CHP107L | 18CEP107L | 18CSP107L | Course Name | MINOR PROJECT | Course Category | P | Project Work, Seminar, Internship in Industry / Higher Technical Institutions | L | T | P | C |
| | 18EEP107L | 18ECP107L | 18MEP107L | 18MHP107L | 18NTP107L | | | | | | | 0 | 0 | 6 | 3 |

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|----------------------------------|--|--|--|--|---------------------------|----|----|---------------------------------|-----------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|
| Course Learning Rationale (CLR): | | The purpose of learning this course is to: | | | Learning | | | Program Learning Outcomes (PLO) | | | | | | | | | | | | | | | | |
| CLR-1 : | Learn responsible and professional way of working | | | | Level of Thinking (Bloom) | 1 | 2 | 3 | Engineering Knowledge | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| CLR-2 : | Practice development-oriented approach to work | | | | | | | | | | | | | | | | | | | | | | | |
| CLR-3 : | Enhance students' knowledge in one particular technology | | | | | | | | | | | | | | | | | | | | | | | |
| CLR-4 : | Create awareness of the social, cultural, global and environmental responsibility as an engineer | | | | | | | | | | | | | | | | | | | | | | | |
| CLR-5 : | Grow more empathetic, become systems thinkers, become explorers, problem-solvers. | | | | | | | | | | | | | | | | | | | | | | | |
| CLR-6 : | Learn project management. | | | | | | | | | | | | | | | | | | | | | | | |
| Course Learning Outcomes (CLO): | | At the end of this course, learners will be able to: | | | | | | | | | | | | | | | | | | | | | | |
| CLO-1 : | Develop capability to acquire and apply fundamental principles of engineering | | | | 3 | 95 | 85 | H | M | M | H | H | H | L | H | H | H | H | H | H | H | - | - | - |
| CLO-2 : | Become updated with all the latest changes in technological world | | | | 3 | 95 | 85 | H | M | M | H | H | H | L | H | H | H | H | H | H | H | - | - | - |
| CLO-3 : | Make deep connections between ideas | | | | 3 | 95 | 85 | H | M | M | H | H | H | L | H | H | H | H | H | H | H | - | - | - |
| CLO-4 : | Learn to take creative risks | | | | 3 | 95 | 85 | H | M | M | H | H | H | L | H | H | H | H | H | H | H | - | - | - |
| CLO-5 : | Be ready for the creative economy also engage in iterative thinking and divergent thinking | | | | 3 | 95 | 85 | H | M | M | H | H | H | L | H | H | H | H | H | H | H | - | - | - |
| CLO-6 : | Identify, formulate and model problems and find engineering solution based on a systems approach | | | | 3 | 95 | 85 | H | M | M | H | H | H | L | H | H | H | H | H | H | H | - | - | - |

Project Work Selection: Project Work Titles for students would be finalized by the Department Project Work Evaluation Committee.

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| Learning Assessment | | MOOC Certification Obtained (80% weightage) | Final Presentation (20% weightage) |
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Note: Final Presentation Evaluation would be done by the Department Project Work Evaluation Committee formed by the Department.

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|-------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------|-------------|------------|-----------------|---|---|--------|--------|--------|--------|
| Course Code | 18ASP108L 18EEP108L | 18AUP108L 18ECP108L | 18BTP108L 18MEP108L | 18CHP108L 18MHP108L | 18CEP108L 18NTP108L | 18CSP108L | Course Name | INTERNSHIP | Course Category | P | Project Work, Seminar, Internship in Industry / Higher Technical Institutions | L 0 | T 0 | P 6 | C 3 |
|-------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------|-------------|------------|-----------------|---|---|--------|--------|--------|--------|

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|----------------------------------|--|--|----|----|---------------------------|--------------------------|-------------------------|---------------------------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|
| Course Learning Rationale (CLR): | | The purpose of learning this course is to: | | | Learning | | | Program Learning Outcomes (PLO) | | | | | | | | | | | | | | |
| CLR-1: | Understanding of industry/organization customs and practices | 1 | 2 | 3 | Level of Thinking (Bloom) | Expected Proficiency (%) | Expected Attainment (%) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| CLR-2: | Demonstrate professional skills that pertain directly to the internship experience | | | | | | | Engineering Knowledge | | | | | | | | | | | | | | |
| CLR-3: | Demonstrate effective verbal and written communication skills, Allocate time effectively | | | | | | | Problem Analysis | | | | | | | | | | | | | | |
| CLR-4: | 1. Demonstrate effective listening skills | | | | | | | Design & Development | | | | | | | | | | | | | | |
| CLR-5: | 2. Participate well as a team member and build professional network | | | | | | | Analysis, Design, Research | | | | | | | | | | | | | | |
| CLR-6: | Build a record of work experience, Develop work habits and attitudes necessary for job success | | | | | | | Modern Tool Usage | | | | | | | | | | | | | | |
| | | | | | | | | Society & Culture | | | | | | | | | | | | | | |
| | | | | | | | | Environment & Sustainability | | | | | | | | | | | | | | |
| | | | | | | | | Ethics | | | | | | | | | | | | | | |
| | | | | | | | | Individual & Team Work | | | | | | | | | | | | | | |
| | | | | | | | | Communication | | | | | | | | | | | | | | |
| | | | | | | | | Project Mgt. & Finance | | | | | | | | | | | | | | |
| | | | | | | | | Life Long Learning | | | | | | | | | | | | | | |
| | | | | | | | | PSO - 1 | | | | | | | | | | | | | | |
| | | | | | | | | PSO - 2 | | | | | | | | | | | | | | |
| | | | | | | | | PSO - 3 | | | | | | | | | | | | | | |
| CLO-1: | 3. Adapt effectively to changing conditions | 3 | 95 | 85 | | | | H | M | M | H | H | H | L | H | H | H | H | H | - | - | - |
| CLO-2: | 4. Demonstrate appropriate workplace attitudes | 3 | 95 | 85 | | | | H | M | M | H | H | H | L | H | H | H | H | H | - | - | - |
| CLO-3: | Demonstrate individual responsibility | 3 | 95 | 85 | | | | H | M | M | H | H | H | L | H | H | H | H | H | - | - | - |
| CLO-4: | Demonstrate effective management of personal behavior, ethics and attitudes | 3 | 95 | 85 | | | | H | M | M | H | H | H | L | H | H | H | H | H | - | - | - |
| CLO-5: | Practice ethical standards appropriate to the internship site | 3 | 95 | 85 | | | | H | M | M | H | H | H | L | H | H | H | H | H | - | - | - |
| CLO-6: | Explore career alternatives prior to graduation, Integrate theory and practice | 3 | 95 | 85 | | | | H | M | M | H | H | H | L | H | H | H | H | H | - | - | - |

Internship Training Selection: List of Industries / Research Centre's for Internship Training for students would be finalized by the Department Internship/Industrial Training Committee.

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| Learning Assessment | |
| Internship Certification Obtained (80% weightage) | Final Presentation (20% weightage) |

Note : Final Presentation Evaluation would be done by the Internship/Industrial Training Committee formed by the Department.

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|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|---------|-----------------|---|---|---|---|----|----|
| Course Code | 18ASP109L | 18AUP109L | 18BTP109L | 18CHP109L | 18CEP109L | 18CSP109L | Course Name | PROJECT | Course Category | P | Project Work, Seminar, Internship in Industry / Higher Technical Institutions | L | T | P | C |
| | 18EEP109L | 18ECP109L | 18MEP109L | 18MHP109L | 18NTP109L | | | | | | | 0 | 0 | 20 | 10 |

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|----------------------------------|--|--|--|--|---------------------------|----|----|---------------------------------|------------------|----------------------|----------------------------|-------------------|-------------------|------------------------------|--------|------------------------|---------------|------------------------|--------------------|---------|---------|---------|
| Course Learning Rationale (CLR): | | The purpose of learning this course is to: | | | Learning | | | Program Learning Outcomes (PLO) | | | | | | | | | | | | | | |
| CLR-1: | Learn responsible and professional way of working | | | | Level of Thinking (Bloom) | 2 | 3 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| CLR-2: | Practice development-oriented approach to work | | | | | | | | | | | | | | | | | | | | | |
| CLR-3: | Enhance students' knowledge in one particular technology | | | | | | | | | | | | | | | | | | | | | |
| CLR-4: | Create awareness of the social, cultural, global and environmental responsibility as an engineer | | | | | | | | | | | | | | | | | | | | | |
| CLR-5: | Grow more empathetic, become systems thinkers, become explorers, problem-solvers. | | | | | | | | | | | | | | | | | | | | | |
| CLR-6: | Learn project management. | | | | | | | | | | | | | | | | | | | | | |
| Course Learning Outcomes (CLO): | | At the end of this course, learners will be able to: | | | | | | Engineering Knowledge | Problem Analysis | Design & Development | Analysis, Design, Research | Modern Tool Usage | Society & Culture | Environment & Sustainability | Ethics | Individual & Team Work | Communication | Project Mgt. & Finance | Life Long Learning | PSO - 1 | PSO - 2 | PSO - 3 |
| CLO-1: | Develop capability to acquire and apply fundamental principles of engineering | | | | 3 | 95 | 85 | H | M | M | H | H | H | L | H | H | H | H | H | - | - | - |
| CLO-2: | Become updated with all the latest changes in technological world | | | | 3 | 95 | 85 | H | M | M | H | H | H | L | H | H | H | H | H | - | - | - |
| CLO-3: | Make deep connections between ideas | | | | 3 | 95 | 85 | H | M | M | H | H | H | L | H | H | H | H | H | - | - | - |
| CLO-4: | Learn to take creative risks | | | | 3 | 95 | 85 | H | M | M | H | H | H | L | H | H | H | H | H | - | - | - |
| CLO-5: | Be ready for the creative economy also engage in iterative thinking and divergent thinking | | | | 3 | 95 | 85 | H | M | M | H | H | H | L | H | H | H | H | H | - | - | - |
| CLO-6: | Identify, formulate and model problems and find engineering solution based on a systems approach | | | | 3 | 95 | 85 | H | M | M | H | H | H | L | H | H | H | H | H | - | - | - |

Project Work Selection: Project Work Titles for students would be finalized by the Department Project Work Evaluation Committee.

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| Learning Assessment | |
| Project Report (80% weightage) | Final Presentation (20% weightage) |

Note: Final Presentation Evaluation would be done by the Department Project Work Evaluation Committee formed by the Department.

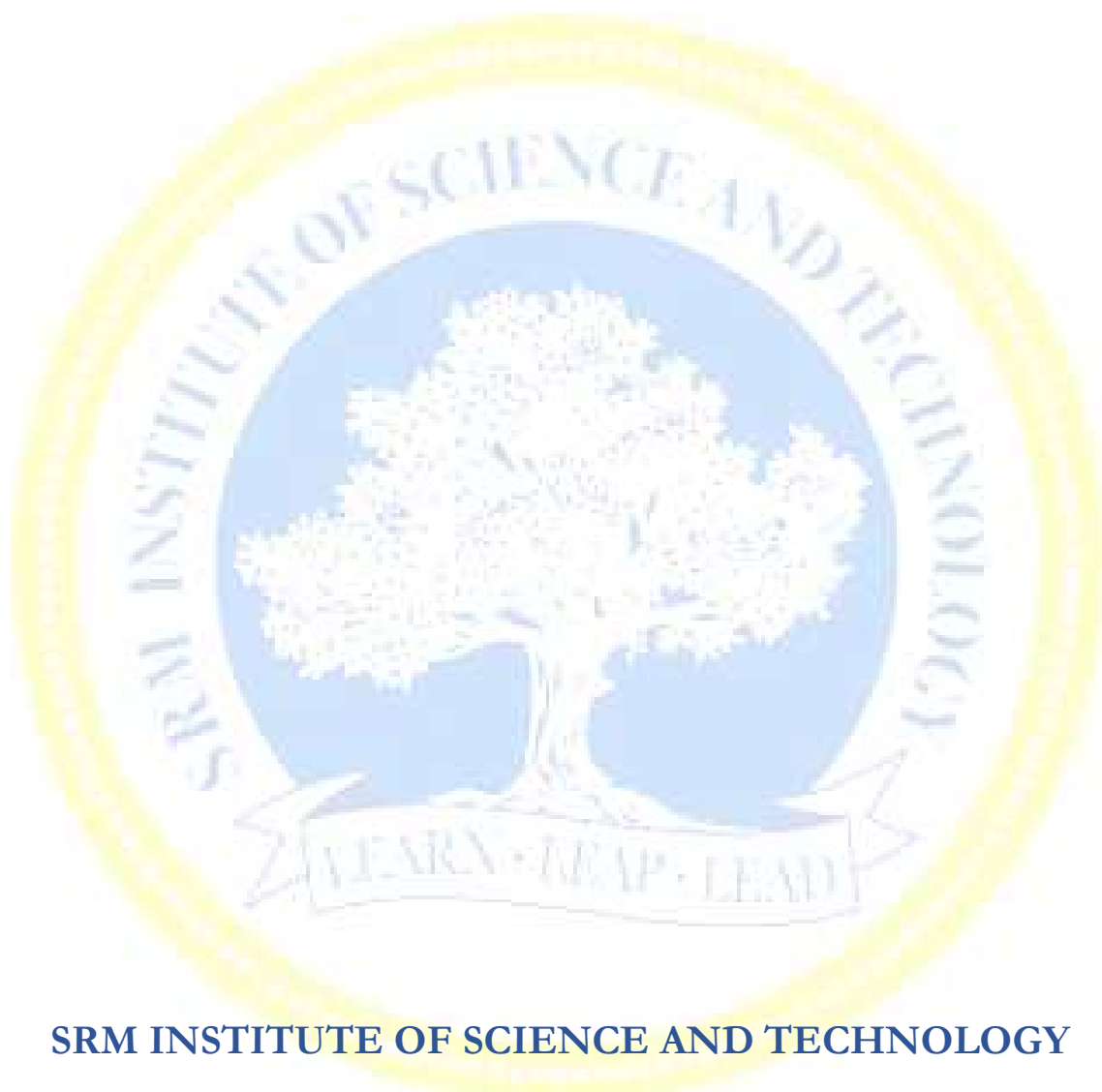
| | | | | | | | | | | | | | | | |
|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|---------------------|-----------------|---|---|---|---|----|----|
| Course Code | 18ASP110L | 18AUP110L | 18BTP110L | 18CHP110L | 18CEP110L | 18CSP110L | Course Name | SEMESTER INTERNSHIP | Course Category | P | Project Work, Seminar, Internship in Industry / Higher Technical Institutions | L | T | P | C |
| | 18EEP110L | 18ECP110L | 18MEP110L | 18MHP110L | 18NTP110L | | | | | | | 0 | 0 | 20 | 10 |

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| Course Learning Rationale (CLR): | | The purpose of learning this course is to: | | | | | Learning | | | Program Learning Outcomes (PLO) | | | | | | | | | | | | | | |
| CLR-1 : | Become job ready along with real corporate exposure | | | | | | 1 | 2 | 3 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| CLR-2 : | Increase self-confidence and helps in finding their own proficiency | | | | | | Level of Thinking (Bloom) | Expected Proficiency (%) | Expected Attainment (%) | Engineering Knowledge | Problem Analysis | Design & Development | Analysis, Design, Research | Modern Tool Usage | Society & Culture | Environment & Sustainability | Ethics | Individual & Team Work | Communication | Project Mgt. & Finance | Life Long Learning | PSO - 1 | PSO - 2 | PSO - 3 |
| CLR-3 : | Cultivate leadership ability and responsibility to perform or execute the given task | | | | | | | | | | | | | | | | | | | | | | | |
| CLR-4 : | Inculcate learners hands on practice within a real job situation | | | | | | | | | | | | | | | | | | | | | | | |
| CLR-5 : | Create awareness of the social, cultural, global and environmental responsibility as an engineer | | | | | | | | | | | | | | | | | | | | | | | |
| CLR-6 : | Become able to identify, formulate and model problems and find engineering solution based on a systems approach | | | | | | | | | | | | | | | | | | | | | | | |
| Course Learning Outcomes (CLO): | | At the end of this course, learners will be able to: | | | | | | | | | | | | | | | | | | | | | | |
| CLO-1 : | Enhance capability to acquire and apply fundamental principles of engineering | | | | | | 3 | 95 | 85 | H | M | M | H | H | H | L | H | H | H | H | H | - | - | - |
| CLO-2 : | Become master in one's specialized technology | | | | | | 3 | 95 | 85 | H | M | M | H | H | H | L | H | H | H | H | H | - | - | - |
| CLO-3 : | Become updated with all the latest changes in technological world | | | | | | 3 | 95 | 85 | H | M | M | H | H | H | L | H | H | H | H | H | - | - | - |
| CLO-4 : | Demonstrate hands on practice within a real job situation | | | | | | 3 | 95 | 85 | H | M | M | H | H | H | L | H | H | H | H | H | - | - | - |
| CLO-5 : | Inculcate self-improvement through continuous professional development and life-long learning | | | | | | 3 | 95 | 85 | H | M | M | H | H | H | L | H | H | H | H | H | - | - | - |
| CLO-6 : | Be a multi-skilled engineer with good technical knowledge, management, leadership and entrepreneurship skills | | | | | | 3 | 95 | 85 | H | M | M | H | H | H | L | H | H | H | H | H | - | - | - |

Internship Training Selection: List of Industries / Research Centre's for Internship Training for students would be finalized by the Department Internship/Industrial Training Committee.

| | |
|---|------------------------------------|
| Learning Assessment | |
| Internship Certification Obtained (80% weightage) | Final Presentation (20% weightage) |

Note : Final Presentation Evaluation would be done by the Internship/Industrial Training Committee formed by the Department.



SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

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

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