



NEP implementation Case Study:

In Maharashtra, the first phase of NEP implementation for the Four Year Bachelor's Degree Programme is applicable only to autonomous institutes from 2023-2024, and for affiliated institute from 2024-2025. Though we are an affiliated college, we started implementing NEP from Academic Year 2022-2023, with a light but tight administrative setup in line with NEP implementation. As per the NEP framework the following activities/Courses have been initiated:

1. Vocational and skill enhancement courses (VSEC):
B.VoC, which includes hands-on training has been initiated.
2. Internship/ Field Project:
As per AICTE internship policy, we have made internship mandatory for all students. Every year students must complete a minimum of 120 hours of internship activity. Internship can be in-house/outside. As outside internship is not available for the majority of students, the institution has initiated a system of providing in-house internships across departments, thus multidisciplinary learning. For the department, the attainment of internship policy is judged by the number of students' enrolments from other departments. Following in-house internships are offered to the students.
 - AWS Cloud computing (Ownership: Computer, Participation by other department students)
 - IOT (Ownership: EXTC, Participation by other department students)
 - Data science (Ownership: ECS, Participation by other department students)
3. Choice of Major and Minors:
SLRTCE now offers Honours and Minors in 13 emerging areas.
4. Academic bank of credits (ABC):
Institution has registered under ABC.
5. Appropriate integration of Indian knowledge system
Faculties are motivated to conduct at least one lecture in a local language. In courses such as Natural Language Processing, experiments are also conducted in Indian languages (Hindi and Marathi) in the institution.
6. Focus on Outcome based education:
SLRTCE has adopted a learning-outcome-based approach to curriculum planning and development. Teaching Learning and assessment methods are based on key qualification descriptors and graduate attributes given by NHEQF. Field project/ internships play a huge role institutionalizing the curriculum framework for industry- academia linkage and to increase the employability of students
7. Interdisciplinary approach:
To attain multidisciplinary research endeavours, we have conducted faculty development programmes (FDP) which cater to the different fields in the industry, such as Python for Mechanical engineering, Embedded Systems, IOT, Machine learning, Web technology, Mathematics, etc. To support interdisciplinary approach, and to promote peer to peer learning, Prayas - an initiative to solve real life problems is launched. All departments at SLRTCE have formed 5-6 technical domains. These domains work independently to promote interdisciplinary approach at the institution. Presently, 13 interdisciplinary domains are working to achieve technical excellence for the students and faculties. Various activities are conducted under each domain to provide students different


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platforms and a large number of opportunities to contribute positively in technological advancement, as well as to develop some innovative and creative market-ready projects for the benefit of society.


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