

Institutional Distinctive Feature

CURRICULUM ENRICHMENT THROUGH CBCS:

The vision of the college is to promote excellence in technical education and scientific research for the benefit of the society.

MISSION

- To provide quality technical education to fulfil the aspiration of the student and to meet the needs of the Industry
- To provide holistic learning ambience
- To impart skills leading to employability and entrepreneurship
- To establish effective linkage with industries
- To promote Research and Development activities
- To offer services for the development of society through education and technology

The academic programs are focused towards the Vision and Mission of the college. The College continuously evolves strategies to provide quality technical education to fulfill the aspirations of the students and strive hard to achieve excellence in technical education. The College has committed and well qualified teachers to impart technical and value based knowledge in a conducive learning ambience.

I) ENHANCEMENT OF KNOWLEDGE THROUGH ONLINE COURSES

By the implementation of autonomy especially the Choice Based Credit System, the students are able to enhance their knowledge through Nationally/Internationally acclaimed Online Courses like NPTEL, Coursera, edX, etc. The students can earn additional credits through these Online Courses or they can replace Professional/Open Elective Courses from their respective curriculum.

Nearly 500 students have been benefited through Online Courses. Autonomous process helps the students to enhance their knowledge through self learning Online Courses. In addition to this, the students are earning credits to their knowledge enhancement.

II) Credit transfer and Credit replacement through Courses Offered by internationally acclaimed organization (including SWAYAM online courses)

AICTE has instructed to provide Credit transfer facility for the SWAYAM Online Courses. Based on the instructions of AICTE, our college provides Credit replacement facilities to the students who undergo SWAYAM - NPTEL Courses and other renowned courses. The facility of credit transfer and credit replacement is provided under the regulation 2015, Choice Based Credit System. In addition to SWAYAM Online courses Internship, R&D Project and Certificate Courses also come under the category of Credit Replacement Courses.

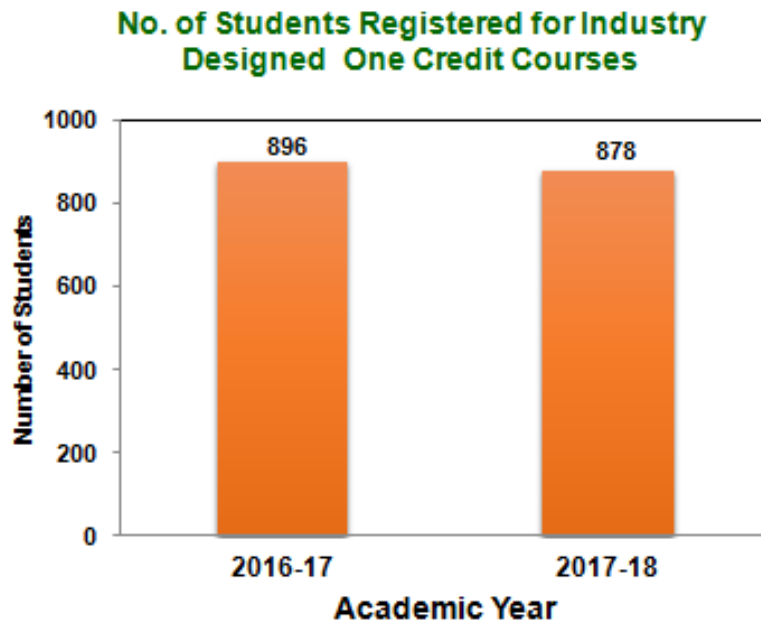
The credit replacement facility encourages the students to undergo globally renowned courses and enable them to compete with the International student community. Thus the autonomous process increases participation in globally renowned courses and competitiveness.

III) Industrial exposure through industry designed courses

The autonomy has facilitated industry-focused education which enables the students to develop the knowledge, intellectual capacity and professional experience they need for their long-term careers, so that they graduate job-ready.

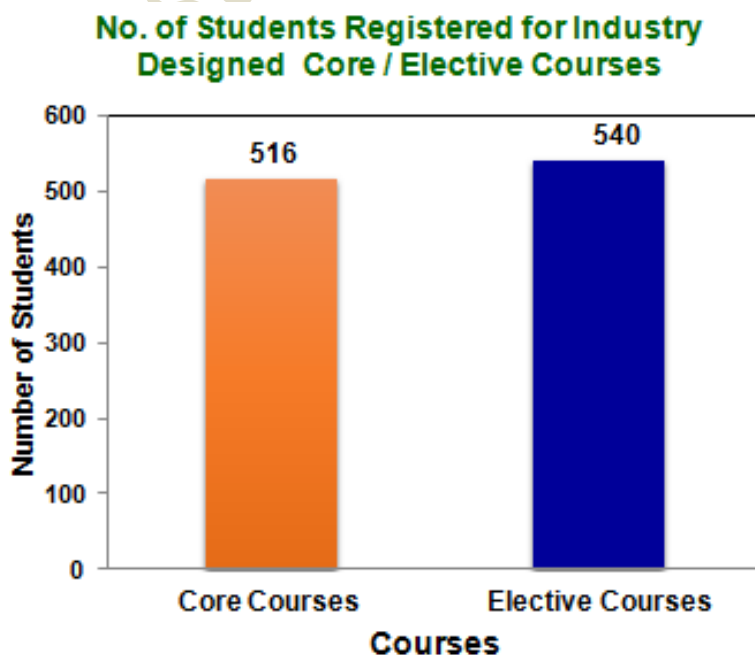
(a) One Credit Courses Designed by Industries

In addition to the courses in the curriculum students can learn one credit courses designed in collaboration with the industry/ research organizations/higher learning institutions. The details of students who have registered for One credit courses are given in the chart below.

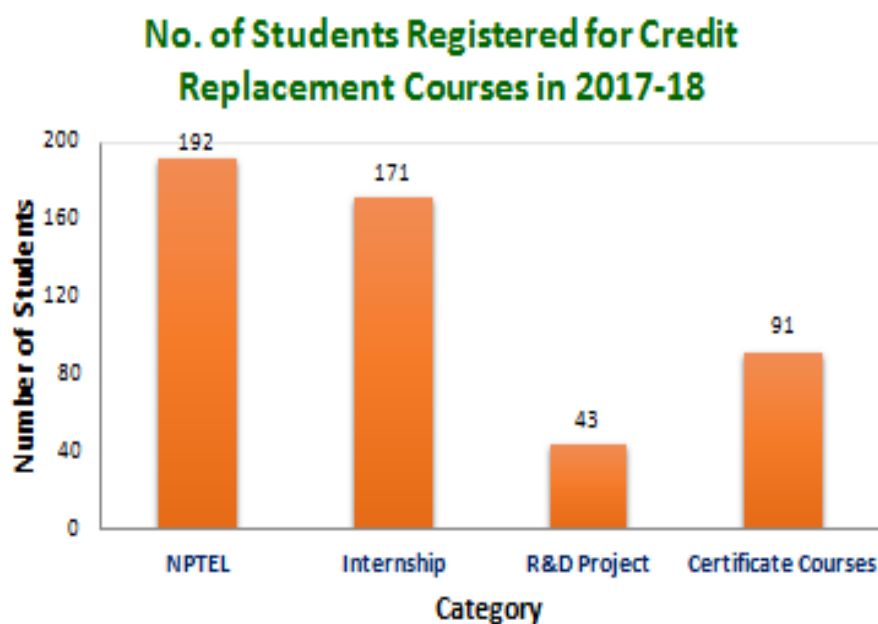


(b) Core/Elective Courses Designed by Industries

Professional Core courses, Elective Courses and One Credit Courses are designed by Industries. Multinational Companies such as Infosys, Tata Consultancy Services, EMC2 and many other industries have participated in the design of courses. The details of students who have registered for such industry-oriented courses are given below.



Multinational companies like Infosys roll out courses such as Foundation Program in Python that have classroom sessions coupled with extensive hands on exercises and assignments and these courses enable them to become industry-ready. The Choice Based Credit system has credit replacement option for taking up such courses and the details of students who can take up such courses are given in the chart below.



A total of 497 students are benefited through these Credit Replacement Courses which is 41% of the total students strength in a particular batch

(c) Credit Replacement Courses Designed by Industries

Students are exposed to Industrial environment through Internship. Choice Based Credit System has the provision of awarding one credit to two weeks of field training programme / Internship/ Industrial /Practical Training /summer project, undergone in a Company / Organization / Reputed institutions. The details of students who have undergone Industrial Training are shown in the chart below

IV) Industry Exposure through Internship and Inplant Training

Students are exposed to Industrial environment through Internship. Choice Based Credit System has the provision of awarding one credit to two weeks of field training programme / Internship/ Industrial /Practical Training /summer project, undergone in a Company / Organization / Reputed institutions.

V) Multidisciplinary Learning

The choice based credit system facilitates the students to take courses of their choice, learn at their own pace, undergo additional courses and acquire more than the required credits, and adopt an interdisciplinary approach to learning. The following are some of the avenues for inter-disciplinary learning for the students.

1. Open Elective Courses (OEC) are the Inter-disciplinary courses. The students shall study Inter-disciplinary courses offered in other Engineering/Technology Programmes through regular mode.
2. Multi Disciplinary Project: The final year students can choose the multi-disciplinary project instead of project work. The Multi-disciplinary project consists of:
 - Phase – I – Concept Learning
 - Phase-II – Multi-disciplinary Project Work

Salient Features of Multi-disciplinary Project:

The students should undergo the Phase – I concept learning in the 7th semester. The students who choose Multi-disciplinary are exempted from one professional / open elective course in the 7th semester.

In Phase – I, the evaluation will be carried out mainly through presentation and not through written examination. In Phase – II, the evaluation will be similar to project work.

Multidisciplinary learning allows students to learn by making connections between ideas and concepts across different engineering disciplinary boundaries. Students learning in this way are able to apply the knowledge gained in one discipline to another different discipline as a way to deepen the learning experience. This will enable them to redefine problems outside normal boundaries and reach solutions based on a new understanding of complex situations.