Multidisciplinary/interdisciplinary

Science, Technology, Engineering and Mathematics (STEM) education is now being made as a part of the curriculum framed by Anna University in which we are an affiliated college. It demands about providing the training to students to promote multidisciplinary projects and encourage product design in multidisciplinary environments through its final year projects and mini projects for various UG programmes. The curriculum and syllabus framed by the university has taken care of STEM education covering the subjects belonging to various categories like basic sciences, Engineering sciences, Professional core courses, Professional elective courses, Open elective courses, Employability enhance courses etc.,. Apart from the curriculum, various clubs present in the institution provides an opportunity in promoting multidisciplinary activities for students and faculty members through various events conducted under their banners.

The patents filed and research publications by students and faculties keeps an eye over the society's most pressing issues like global warming and their articles gives solutions through technological improvements done in renewable energy based concepts in reputed journal.

Academic bank of credits (ABC)

The Institute follows the curriculum prescribed by the Anna University. The curriculum is well translated to the students after through preparation as well as critical thought by the teachers concerned. Choice Based Credit System introduced in 5 UG programs and 5 PG programs from the academic year 2017-18 in regulation 2017. According to clause 4.92 the student needs to obtain certification or credit to become eligible for writing the End Semester Examination to be conducted by Anna University. In case of credits earned through online mode from a University approved by appropriate authorities of Anna University, the credits may be transferred after due approval procedures from the Departmental Consultative Committee and Centre for Academic Courses, Anna University.

Also a student has his credits scored in the previous institution and could continue his course in other institution transferred through proper procedure satisfying the rules and regulations of the university.

Skill Development

The institution encourages the faculty to keep themselves update their knowledge by offering refresher courses, faculty development programmes and workshops. In addition, the institution has provided 50 value added courses and 33 certificate courses to students for developing skills to bridge the gaps in the syllabus. About 70% of students participated in certificate and add-on courses. They are also trained in the following areas as per their interest for the betterment of placements, competitive examinations and higher studies.

- Communication skills in English
- Basic computer programming
- Aptitude skills
- Leadership exposure and Professional Skill Development
- Software oriented skills
- Coaching for GATE examination and Higher studies
- Department oriented skill developments for placements
- Club activities

Apart from the soft skill development for student our institute also cares about building ethical values to the students through moral classes discussing the human values like truth (sathya), righteous conduct (dharma) etc., which is specified in the Timetable followed.

Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

We in our institution teach students in their native language in conjunction with a second language utilizing differing levels of the native and second language depending on the requirements specified in lesson plans and teaching models.

Teachers instruct students in a second language but are able to understand students when they ask questions in their native languages. However, teachers respond to questions in the language that could be understood by the for understanding the technical concept and characters.

Focus on Outcome based education

The institute has good experience about Outcome based education (OBE) as few programmes have applied and attained NBA. OBE is practiced in the institutional system. The major decisions/ improvements are done based on the feedback received from the students. OBE is implemented in all programmes.

The information on POs, PEOs and COs are communicated to the stakeholders. Student attainment of learning outcomes is measured by checking the level of CO and PO attainments for all the courses.

Distance education / online education

In regulation 2017 of Anna University clause 4.8 defines Online Courses. In clause 4.8.1, Students may be permitted to credit only one online course of 3 credits with the approval of Head of the Institution and Centre for Academic Courses. In clause 4.8.2, Students may be permitted to credit one online course (which is provided with certificate) subject to a maximum of three credits. The approved list of online courses will be provided by the Centre for Academic courses from time to time. The student needs to obtain certification or credit to become eligible for writing the End Semester Examination to be conducted by Controller of Examinations, Anna University. The details regarding online courses taken up by students should be sent to the Controller of Examinations, Anna University and Centre for Academic Courses one month before the commencement of End Semester Examination.

Also our college enormously supports our faculty members and motivates them abundantly to perform well in all academic endeavors. Our college management provides many benefits to both teaching and non-teaching staff members magnanimously. Faculty Members are eligible for the following incentives and rewards, based on their performance, contribution and years of service at the Institution.

1. For getting pass mark in NPTEL courses, they will be rewarded Rs. 1000 as cash award.
2. For getting silver medal in NPTEL courses, they will be rewarded Rs. 2000 as cash award.
3. For getting gold medal in NPTEL courses, they will be rewarded Rs. 3000 as cash award.