

Institution Distinctiveness

“An Engineer is a solution provider to the problems of the mankind to have a balanced life; which has social impact; bring development to the nation at an affordable cost and without creating any harm to the environment”. During our visionary management’s journey as industrialist, noticed a shortage of diploma/ graduate engineers in Coimbatore who could meet the industry expectations. This prompted to setup polytechnic college and this later expanded to an engineering college and hence KCE was established in the year 2000 with 3 programmes. Having huge aspiring youth population in Coimbatore, he believed in providing a platform and motivating them to take up professional degree and getting jobs in reputed industries.

The vision and priority of Karpagam College of Engineering is to give utmost importance for students’ progression in terms of their education, training, skill development and successful career. Students at KCE are offered with quality education and training with qualified and experienced faculty members. Courses offered at KCE from the word go focus on student betterment and their future which is enabled by Information and Communications Technology (ICT) based teaching. ICT has enhanced the teaching learning process and its environment by incorporating more practical sessions and involvement of students in various technical and non-technical activities to improve their skills, talents and passion.

A) INDUSTRY ORIENTED CURRICULUM

Post admitted in KCE, the students undergo 14 days induction program YUVA where they unwind themselves from the groove of schooling. Students begin their first semester by opting for foreign languages like Japanese, French and German. These courses brighten the prospect for higher education in foreign universities. Students are free to choose courses of their choice under CBCS having a set of mandatory credits that are to be earned and become eligible for a degree. Each semester students learn courses that are useful for their profession growth. The syllabus is framed keeping in mind with the current trends. Syllabi are reframed under various regulations to keep them abreast of the technological developments. Students are given courses that are framed in association with industry. Experts from industries handle course to keep the students aware of real time examples

and case studies. Interdisciplinary courses are offered to students to make them multi-skilled and to make them versatile enough to suit any industry. The number of courses offered by the industries and are partially delivered by the experts from the industries has gone up from 7 in 2016 to 14 in 2021.

B) INDUSTRY INSTITUTE INTERACTION CELL (I³C)

Industry Institute Interaction Cell (III Cell) has been functioning in the institution actively. The Cell is to promote closer interaction between the academia and Industries. The cell finds out the gap between need of the industry and the graduates of institution. Industrial exposure of faculty is very much helpful to guide students about latest industrial practices.

Objectives of Industry Institute Interaction Cell:

- To give industrial exposure to faculty members and students, enabling them to use their knowledge to coping with the industrial needs
- Encouraging engineers from industries to deliver lectures of practical importance
- Participation of experts from industries, in curriculum development
- To organize industrial visits for faculty members and students periodically
- To encourage faculty members to use their expertise in solving the problems faced by the industries thus creating opportunity for consultancy works.
- To organize in-plant training for the students
- To assist the programme centres in establishing rapport with industries helping in taking up projects.
- To coordinate/ secure proposals for establishing 'Centre for Excellence'.
- To assist the Training and Placement efforts of the institute.
- To establish industry sponsored labs.

As an Industry Connected Institution, KCE has attracted the attention of the industry and the education fraternity to Centre of Excellences on training, research and innovation in the trending and emerging domains like alternate fuels, Reverse Engineering & Additive Manufacturing, Composite materials, Industrial IoT, BPM, Data Analytics, NI LabVIEW etc. These CoE's which operate with the support of the Industries opens a wide door of opportunities to the students to engage in real time projects, innovate to incubate at Karpagam Innovation Centre (KIC). KIC form the hub for such minds who are interested to become an employer rather than being employed. Several start-ups have been incubated in KIC and are running successfully.

For students willing to pursue higher studies, Centre for Higher Learning provides the students necessary guidance and coaching to face competitive examination like GATE, GRE, TOEFL, state and central government examinations. KCE alumni cell provides the alumni social network to the students. Many alumni who are in a higher position do come for campus recruitments. Thus, we are able to maintain a placement momentum steady even during a lull phase.

C) HOLISTIC APPROACH TOWARDS EDUCATION

Students are trained to maintain a proper balance between the 4 Q's of life namely **Intelligence Quotient (IQ), Emotional Quotient (EQ), Spiritual Quotient (SQ) and Adaptability Quotient (AQ)**. Students join NSS and other clubs that are active in the institution through which they participate in extra-curricular activities and attend camps, field activities and competitions that focus on internalizing the value concepts among students and thereby improving their positive attitude towards life, feelings and emotions. 26 villages have been adopted under the NSS to which the management in association with the students extend their services like providing necessary facilities in their settlement, educating their kids and other services such as tree plantation, health awareness campaigns, Swachh Bharat / Unnat Bharat Abhiyan programmes etc.

OUTCOME

- By 7th semester of study many companies visit the campus and recruit our students. Many of the students who are getting placed are first graduate in their family.
- They share their emotions and joy with their parents during the **Offer Day** which is held every year to felicitate them after placement. The number of students getting placed has gradually but steadily gone up which indicates that the route taken by our institution is in the right direction,
- It is a sight to behold as the parents felt that they had chosen the right college for their wards.
- Students who opt for higher studies and entrepreneurship are fed with the skills that are necessary to attain their goal.
- Campus extension activities enables students to understand the real-life situations and how their contributions could make a big impact in the quality of life of a common man and make them as a good samaritan.

The Institution is having willing to set up Industry Park offering space for the industries to setup their facility. Thus, the management's goal is enthusiastically implemented in creating professionals in the field of engineering / technology. Our efforts are never ending as we strive to reach excellence in the field as portrayed in the institution's vision/mission statements.