Criteria -1

1.1.1: Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which is reflected in Programme outcomes (POs), Programme Specific Outcomes(PSOs) and Course Outcomes(COs) of the Programmes offered by the Institution.

Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which is reflected in POs, PSOs and COs of the Programmes. The autonomy of the Institution provides the opportunity to revise the curriculum based on needs and suggestions from various stake holders. The process of developing the curriculum and the course content takes into consideration the feedback from different stakeholders, including academicians, alumni, employers and industrial experts. It also ensures that it has relevance to the local, regional, national and global developmental needs. The curricula designed are recommended by the Programme Assessment Committee, Board of Studies and approved by Academic Council.

There are several courses which enable students to analyse the local and regional needs and provide solution based on their knowledge acquired and gives the students a real life experience. The project component embedded in the curriculum gives leverage to involve in the developmental activities of Pollachi and nearby villages. Field works are executed as part of service activities to the nearby villages, the upliftment of the society and technology transfer to the people. Few programs such as computer literacy training, setting up of solar dryers etc. yielded a good impact in the society. Few electives framed to meet the needs of society and encourage the students to interact with the farmers, government agencies to bring out their new ideas for the society. Students are motivated to provide relevant scientific solutions through, PURA (Providing Urban Facilities in Rural areas), Anveshna and Forge innovation programmes. Courses that encourage entrepreneurship development also assist in uplifting the youth's socioeconomic status of the region. In addition, industrial visits and internships enable the students to experience the real world scenarios. For meeting out the requirements of national and global level competencies, the institute introduced new courses such as Internet of Things, Data Science, Data Analytics, Cyber Security, Artificial Intelligence and Machine Learning. One credit and professional skills courses are offered to incorporate Industry oriented skills.

MCET CIBIE, an incubation centre is established to enhance the entrepreneurship skills of the students. The college also offers courses that may lead to orient our students to participate in "Make-in-India' a national mission for the economic growth of the nation. Aligned with the Digital India mission Python/JAVA/Data Science/cyber security are included in all programmes. Courses on renewable energy, environmental engineering are also offered to sensitize the students to environment protection, energy savings and global health. Co-curricular and extracurricular activities are aligned with the overall development of the student, which has an impact on the national and global developmental needs.

Implementation of OBE ensures that our graduating engineers have all 12 POs defined by NBA, and hence can compete on a global platform, and have expected global attributes. 3-5 PEOs are designed and measured through the performance of the alumni. In last five years, 2 regulations were adopted and total credit ranges between 160 and 188.