

3.3.1. Institution has created an eco-system for innovations, creation and transfer of knowledge supported by dedicated centers for research, entrepreneurship, community orientation, Incubation etc.

The institution has the system in place enabling to create a justified eco-system for innovation and transfer of knowledge through the respective Research centers, Entrepreneurship and incubation center, Community oriented initiatives.

Research centers:

All the departments have in place dedicated research facilities enabling both faculty and students to initiate and take up research projects related to Fundamental & Conceptual research, Process research, Material research and Product research. Based on the research profile of the faculty members, different research groups are formed to promote inter disciplinary research in the areas of IoT, Robotics & Mechatronics, Adaptive control systems and Additive manufacturing. Further eco-system infrastructure is strengthened by enabling UG and PG students to participate in various competitions to hone their Research & Analytical skills. To inculcate the culture of publishing technical articles, both UG & PG students are encouraged to publish their final year project work.

Entrepreneurship development cell (EDC) and Incubation:

The institute has EDC sponsored by AICTE since 2006 with an objective of promoting entrepreneurship skills among the students by organizing guest lectures. Every year the institution felicitates the successful alumni entrepreneurs on the world entrepreneurship day to inspire the budding engineers. Further to promote entrepreneurship, successful entrepreneurs, financing agencies and the department of industries are invited from National productivity Council (NPC) and MSME.

MSME, Ministry of industries identified the institution as Business Incubation Center (BIC) in the year 2011 to motivate, support and mentor students for identification, development, and commercialization of their innovative ideas. Later during the year 2019, MSME with a modified/revised regulation, identified the institution as Host Institute (HI) under the scheme “Support for Entrepreneur and Managerial Development of MSMEs through Incubators”. Under this scheme the institution has recommended and forwarded the projects to MSME for further scrutiny.

To nurture and foster the integration of academics with industry and promotion of Entrepreneurship competencies among the students, institution is enabled to new startup companies by providing services like training, executive support for firm registration, Technology,

and infrastructural support. Along with final year students, BIC also encourages the start-ups coming from the Students/Staff/Alumni/ of GMRIT and from the community in and around GMRIT addressing the local and regional needs.

Community oriented initiatives:

To instill the value system of giving back to society among the students, several initiatives have been taken up by involving the students to promote the social entrepreneurship. Apart from the formal bodies like NSS and UBA, the institution also promotes the engagement of the students in community development through activities like Gamyam and Community Radio. Institute has taken the initiative for building awareness among the population within 15 km diameter on variety of issues ranging from child health care to employment viz. personal hygiene, disadvantages of open defecation, Girl child education, implications of malnutrition and higher education & Employment opportunities of the youth through GMRIT Community radio broadcasting at 90.4MHz.