



## 3.2 Innovation Ecosystem

### 3.2.1 Institution has created an ecosystem for innovations including incubation centre and other initiatives for creation and transfer of knowledge.

#### Answer:

ACERC has created a dedicated Research Cell with faculties and students who have acumen in the field of research as its members. All undergraduate and post-graduate technical courses run by the institute, incorporate provision of project design and dissertations in partial fulfillment of their course as prescribed in the RTU syllabus. The students of various disciplines, besides own departmental inquiries, approach institute's Research cell also for necessary guidance in choosing appropriate and pertinent innovative topic to pursue further. The cell after deliberations suggests suitable ideas for such project works. Adequate technical support is also extended whenever needed. Plagiarism issues are also addressed whenever sought.

Further to these functions under normal curriculum, the cell remains constantly in touch with advanced learners among all students, and encourage them to evolve additional innovative strategies for development. These students envisage projects, strategies, and program designs, and evaluate the same to respond to the emerging needs in various uses. Research Cell also associates with the students, motivates them to share their ideas and provides them technical support so that they can concentrate on their new startup's ideas, innovate and design prototypes of their projects.

Research Cell itself, remains in pursuit of innovative and enterprising ideas through series of competitions. which provide students a platform to showcase their ideas and get feedback from experienced faculties and student. This way the innovator comes across with the merits, acceptability and the deficiencies in his project, and also possible solutions to develop. Cell assists in further development of the project that qualifies in internal competitions and extends its support to exhibit such models/ ideals in other inter college/ national competitions. Projects incubated through ACERC Research cell have gone on to win several commendations and prizes.

Research Cell is also a great help for the faculty members who intend to pursue higher studies and to get them registered for PhD degrees.. The research cell provides support to them to



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select topics which are hitherto, untouched but can attract curiosity of the registering institute.

The cell also helps a great deal in helping the faculties to prepare, format and get printed their write-ups and research papers in reputed journals/ conferences and publishing houses.

Faculties and students are also encouraged and supported to present research work at national and international conferences

Other initiatives taken by Research Cell for creation and transfer of knowledge include special lectures by eminent personalities, inter/intra college workshops/ seminars/ conferences and festivals including competitions, educational field trips, internships, training programs, and .

Research cell of ACERC provide free access to intending students to all Laboratories and workshop where they can execute and test their project work. The institute has installed various types of sophisticated computer system and machines such as Universal Testing Machine Of 80 Tonne capacity where bending, compressive and tensile loads could be applied on steel/ concrete bars/ blocks. There is a Robotics lab in the institute to motivate students for the implementation of their theoretical knowledge into projects and new innovations.