

3.2.1 Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

The institution has a suitable eco-system for supporting the student potential with a skilled and experienced teachers who are properly backed by infrastructure facilities. A number of entrepreneurial activities are carried out in the institution as part of innovation and creation through the entrepreneurship development cell (EDC). EDC has organised events on entrepreneurship for the teachers of all engineering colleges in the Telangana region. From the 2019–2020 academic year, activities through the Institutions Innovation Council got underway. For the 2020–2021 academic year, numerous offline and online events were also held. In order to help students with their career choices, frequent seminars and expert talks with entrepreneurs, eminent professors, and scientists were organised.

In addition to the standard blackboard instruction, the teaching learning technique is introduced through demonstration experiments, guest lectures, industry visits, etc. The teachers urge the students to do minor and major projects that address societal concerns and promote innovation. Understanding the concerns of farmers regarding agricultural areas, renewable energy sources, etc. has led to the development of many projects.

Students are encouraged to complete their projects inside the college in order to improve their project development skills. It also helps them write better project reports on their own. At the end of the academic year, students who demonstrate academic excellence are awarded with prizes and certificates of merit. Each branch's top student project is chosen, and the winner receives the appropriate honours. Students are encouraged to enter their evolved prototype concepts in national project exhibitions and contests. To find the latest talent in the young learning engineers, the institution also hosts internal competitions such as Ideathon, Projecto, and Idea to Prototype.

Our institution has started Incubation centre for all engineering departments. The institution provides all facilities and support to help students to convert innovative ideas into their prototype projects. Full assistance is provided for nurturing and developing these student ideas. Students utilize the facilities of Incubation centre to develop their academic projects as well as their innovative ideas.

The faculty members are divided into research and innovation groups by the research and development cell based on their areas of competence. The cell also encourages the faculty members to publish their research papers in SCI, Scopus, and Web of Science indexed journals.


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S.No.	Year	No.of Events Conducted
1	2021-22	5
2	2020-21	5
3	2019-20	4
4	2018-19	3
5	2017-18	2

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Figure 1. Faculty Development program through TASK on Cyber Security.



(a)

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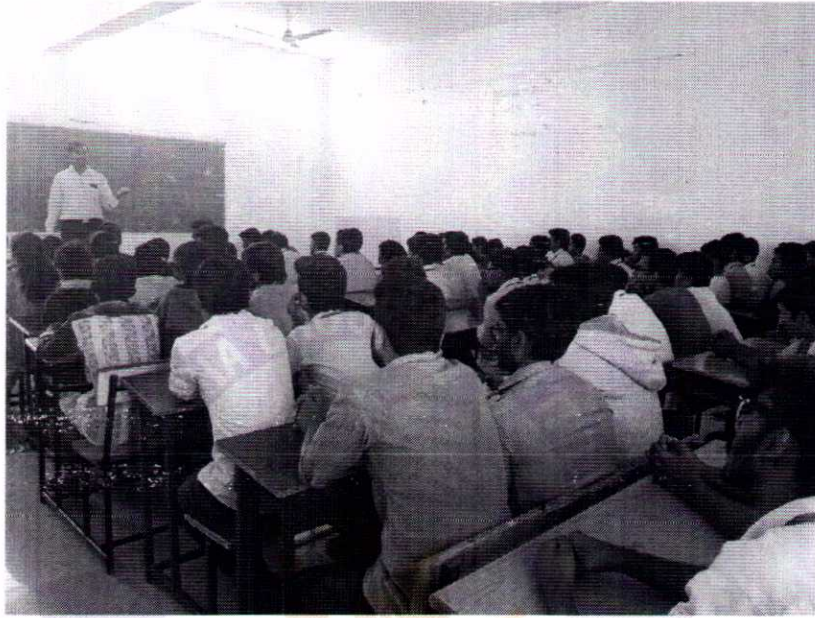
(b)



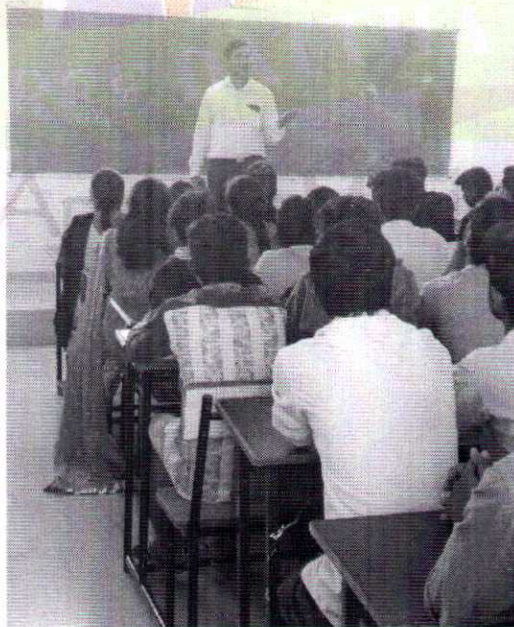
(c)

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Figure 2. Career enhancement program for students through ace academy



(a)



(b)

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Figure 3. Awareness Program on Banking system by Mr. K. Suresh Naidu, Field Officer, IDBI Bank.



(a)



(b)

Figure 4. Career guidance program by Mr. Abhinav Sharma from Cyber Aegis



(a)



(b)

Figure 5. Seminar on how to convert ideas in product by Prof. Yashesh Ahirwar



(a)



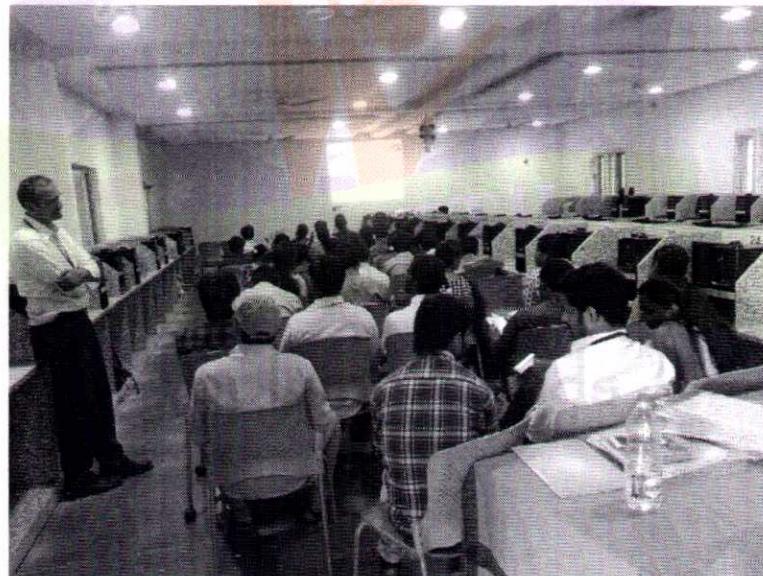
(b)

Figure 6. Online session on Amazon Web Services by Mr. Veera Reddy, Director, Cyber Aegis

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(a)



(b)

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(c)

Figure 7. Online Session on Data Science and Its analytics by Mr. Venky Naidu Balineni, CEO, Venky's Vision IT Solutions



(a)

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(b)



(c)

Figure 8. Session by Dr. P.K. Sagar on Research and Innovations

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(a)



(b)

Figure 9. Session on How to write the standard research papers by Dr. Ashwin Raut



(a)



(b)

Figure 10. A two day workshop on Robotic Process Automation