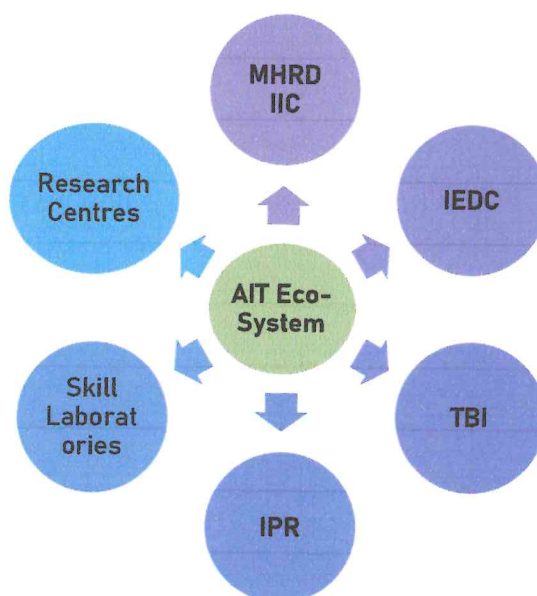


### 3.2.1 - The institution has created an ecosystem for innovations and has initiatives for the creation and transfer of knowledge (460 words)

AIT established interdisciplinary and multidisciplinary ecosystem for innovation and incubation to support students with proper guidance and all necessary facilities. AIT has made an environment for exploration and advancement by selecting and creating helpful human assets, stepping up for the creation and dispersal of information and laying out cutting-edge frameworks.



The institute is associated with the state and national level organizations to strengthen the ecosystem for innovation.

- **National Level-**

- i. **MHRD-Institutional Innovation Council (IIC)**

- Organises Innovation Contest, Workshop on Entrepreneurship, design thinking, Inter/Intra Institutional Competitions, problem-solving and idea creation followed by technical talks.
    - A few of the outstanding project ideas have been identified for commercial product development or submission to Research funding agencies for funding. The council also nurtures start-ups formed by faculty and students.



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## ii. MSME Nodal Centre

- The institution hosts Micro, Small and Medium Enterprises – (MSMEs) nodal centre. It encourages development of cost-effective society-related projects and multiple state level HACKATHONS
- Every year, students' projects/ ideas are submitted to MSME for funding.
- Institute has conducted the MSME Women Hackathon resulting in the sanctioning of numerous projects.

## • State Level-KSCST-Acharya IP Cell

- Aim to enables patent searches and patent filing processes within institution.
- Recognized Patent Information Centre (PIC) of KSCST identifies patentable inventions. Also creates opportunities for product development and commercialization.
- IPR Workshops are arranged for faculty members/ students along with officers of IPR.

## • Institute Level-

### i. Innovation & Entrepreneurship Development Cell (IEDC)

- Conducts workshops to promote and raise awareness of start-ups and entrepreneurship. Entrepreneurship Awareness Camps (EAC) are organized at regular interval.

### ii. Centre of Excellence (COE)

- Candela Technologies, a leading US-based company specializing in wireless communication networking technologies, has established its first-ever wireless innovation laboratory. This state-of-the-art lab offers students an immersive experience, including comprehensive training, internships, and excellent placement opportunities. Faculty members also benefit from training, consultancy, and research collaboration opportunities.

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- L&T - Electric Vehicle Lab: Supports Research and Development, training and education, knowledge sharing, innovation and incubation, community building. These activities help for excellence.
- iii. **Acharya Technology Business Incubation (ATBI) Cell**
  - ATBI nurtures students entrepreneurial visions, supports tech based startups and foster strategic partnerships with emerging businesses.
- iv. Annual inter-college project contests are held to foster innovation and collaboration amongst the students “**Technotsava**”.
- **Departmental Level-**
  - i. **AIT Research Centres**

The institute has 11 research center recognised by VTU, where PhD supervision and active research are conducted under recognized guides.
  - ii. **Skill Laboratories**
    - The institute hosts several skill laboratories including, ABB industrial Robotics Lab, Tantalizer - Flight simulation Lab, IBM innovation Lab, Texas Instruments lab, Cadence- VLSI Lab, CAD Lab/3D printing, C- DAC IoT Lab, Virtual Instrumentation Lab, Plant Tissue Lab, Material Science Lab, CNC Lab which help students and faculty members develop necessary skills.

AIT's innovation ecosystem has led to impressive achievements, including over 50 patents, research grants exceeding ₹1.5 crore, more than 500 publications from students and faculty, and the incubation of over 10 startups. This thriving environment encourages creativity, research, and entrepreneurship.

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