



3.3 INNOVATION ECOSYSTEM

3.3.1 Institution has created an ecosystem for innovations, Indian Knowledge System (IKS), including awareness about IPR, establishment of IPR cell, Incubation centre and other initiatives for the creation and transfer of knowledge/ technology and the outcomes of the same are evident during the last five years 2018-2023.

The Institution serves as a focal point for collaboration through specialised centres that promote Innovation, Indian Knowledge System (IKS), Entrepreneurship development and Ecosystem enhancement. These centres promote awareness of Intellectual Property Rights (IPR) and implement various initiatives aimed at facilitating the creation and transfer of knowledge and technology. The outcomes of these endeavours underscore the Institution's commitment to drive sustainable development through innovation and knowledge exchange.

The Institution has created an ecosystem for innovations comprising the Entrepreneurship Development Cell (EDC) funded by Department of Science and Technology (DST) and Management, Research Incubation Cell (RIC), Institution Innovation Council (IIC) Centre and other initiatives to enhance and transfer knowledge for students and Community. Through targeted awareness campaigns, workshops, seminars, and training programs, the Institution has succeeded in sensitizing students, faculty members and researchers about the significance of protecting intellectual property assets and leveraging them for innovation-driven growth. By offering expert advice, conducting patent searches, facilitating the filing of patent applications, IPR cell play a pivotal role in ensuring that intellectual property rights are effectively managed and utilized. During the assessment period the Institute has filed and published 339 patents and it has 40 patent grants.



The IIC of the Institute encourages, inspires and nurtures young students by supporting them to realise their innovative ideas and transform them into prototypes. IIC of the Institution has acquired the 5th Golden Star during the year 2019-2020 and 4 Golden Stars for its outstanding performance during the years 2020-2021, 2021-2022 and 2022-2023. The Ministry of Education (MoE) recognized the Institution as a

prominent Innovation Hub of the nation in Atal Ranking of Institutions on Innovation Achievements (ARIIA) 2019, 2020 and 2021. The Institution has secured 2nd Rank in ARIIA 2020 and 4th Rank in ARIIA 2021.

The Institution has a vibrant RIC which provides mentoring support, office space and testing facilities for start-ups allowing budding entrepreneurs to explore their creative ideas. RIC supports the entire innovation lifecycle - from ideation - prototype - product and establishing start-ups.

Active professional clubs like IEEE Chapter, Society of Automotive Engineers, Robotics Society etc., motivates the student's participation in technical/non-technical contests, International/National Hackathons, Codeathons, Ideathons, Solar Karts and Vehicle fabrication contests. Dedicated mentorship enables the students to participate in various challenges hosted by Government and Private Agencies. 16 teams have won First prize worth 16 Lakhs at Smart India Hackathon (SIH) - Hardware/Software Edition held during the assessment year with a total winning of 145 teams in various contests. Entrepreneurial Inspire, e-week, Krishinnov are annual events which showcase the entrepreneurship spirit of the students.

Additionally, the Institution is working on translations of traditional knowledge in ancient agricultural practices, food habits, herbs/millet recipes and heritage of ancient temples of Coimbatore. Women Empowerment Cell offers short term programs in millet product preparation, herbal recipes, food fortification using herbs for the general public, including homemakers and self-help groups. The IKS initiatives undertaken by the Institution foster a conducive ecosystem for innovation-driven growth and sustainable development.

1.	Innovation Ecosystem	 PDF
2.	Additional Information	 PDF