



SDG 9:INDUSTRY, INNOVATION AND INFRASTRUCTURE



Sustainable Development Goal (SDG) 9 focuses on **Industry, Innovation, and Infrastructure**. This goal highlights the importance of building resilient infrastructure, promoting inclusive and sustainable industrialization, and fostering innovation to support economic growth, improve living standards, and reduce inequalities. Here's a breakdown of its core components:

POLICY FOR SDG 9:

Through specialized centers that support innovation, entrepreneurship growth, and ecosystem enhancement, the institution acts as a hub for cooperation. These centers carry out a number of programs targeted at promoting the development and transfer of knowledge and technology, as well as raising awareness of intellectual property rights (IPR). The results of these initiatives demonstrate the Institution's dedication to promoting sustainable development via innovation and information sharing.



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The institution has established an innovation ecosystem that includes an Entrepreneurship Development Cell (EDC) supported by the Department of Science and Technology (DST) and Management, a Research Incubation Cell (RIC), an Institution Innovation Council (IIC) Centre, and various other initiatives designed to foster and transfer knowledge to students and the wider community. Through focused awareness campaigns, workshops, seminars, and training programmes, the institution has succeeded in informing students, faculty and researchers about the importance of safeguarding intellectual property and utilizing it for innovation-driven growth. By providing expert guidance, undertaking patent searches, and facilitating the filing of patent applications, the IPR cell plays a key role in ensuring that intellectual property rights are effectively managed and exploited.

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-



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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.

ACTIONS PLANNED:

- Promoting Sustainable Industrialization
- Encouraging Innovation and Research
- Investing in Resilient Infrastructure
- Fostering Inclusive and Sustainable Urban Infrastructure
- Facilitating Financial Access for Innovation and Industrial Growth
- Advancing Digital and ICT Infrastructure
- Encouraging Innovation and Research
- Supporting Clean and Renewable Energy
- Strengthening Capacity and Skills Development
- Monitoring and Reporting Progress



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OTHER SDGS INTERLINKED WITH SDG 9





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IIC COUNCIL 2023 -2024



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**Number of workshops/seminars conducted on Research Methodology,
Intellectual Property Rights (IPR), Entrepreneurship and Skill Development
during the year 2023-2024 : 36**

Name of the Workshop/ Seminar	Number of Participants	Date (From - To)
Seminar series on Entrepreneurship	102	11.07.2023 - 13.07.2023
Session on Innovation – Converting Innovation into a Start-up	65	11.07.2023
Insights on Startup and Entrepreneurship series Session- Experience and Challenges	63	12.07.2023 - 14.07.2023
Angel Investment / Venture Capital Funding Opportunity for Early Stage Entrepreneurs	117	14.07.2023
Skill Development : Avinya 2023 - Innovate to elate	43	17.07.2023
The Power of Soft Skills: Unveiling the Hidden Foundation of Career Success	69	18.07.2023
Seminar on opportunities for students and faculty members - Early stage Entrepreneurship	60	18.07.2023
Skill Development : Guest Lecture on Intel One API and SYCL	54	18.07.2023
Skill Development : National Technology Day	89	20.07.2023



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Lean Start-up & Minimum Viable Product/Business - Boot Camp	50	21.07.2023
Innovation & Entrepreneurship Outreach Program in Schools/Community	102	24.07.2023
Innovation and Start-up Ecosystem Enablers- National Level	114	11.08.2023
Workshop on Innovation in Cloud with Federated Learning	65	23.08.2023
Business Plan & Startups and Business Plan Contest	107	24.08.2023 - 25.08.2023
Skill Development : Bootcamp Power launch on INTEL one API- A Hackathon Prelude	255	25.08.2023 - 26.08.2023
Innovative Startup Idea Contest	115	28.08.2023 - 30.08.2023
A two days workshop on Innovative Product Design using Additive Manufacturing	60	12.09.2023 to 13.09.2023
Project Expo 2023 - Innovation Challenge	52	15.09.2023



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Skill Development : Undo - A Reverse coding contest	67	25.09.2023
Skill Development : Guest Lecture on AI in Healthcare	140	26.09.2023
Innovation and Entrepreneurship-A Career Guide	73	09.11.2023
Skill Development : A Five-Day FDP on Empowering Educators: AI in Robotics and Automation for Innovative Initiatives in the Digital Era	75	04.12.2023 to 08.12.2023.
Skill Development : An International FDP on Recent Trends in Innovative Applications of AI Technologies	158	19.01.2024 & 20.01.2024
Skill Development : Workshop on Design Thinking, Critical Thinking and Innovative Design	82	12.02.2024 & 13.02.2024
Skill Development : Guest lecture on Emerging Technologies for Cleantech Innovation	78	19.02.2024
Workshop on Innovation and Entrepreneurship	120	21.02.2024 to 26.02.2024
Seminar on Innovation and Entrepreneurship outreach Programme for self help women Group	25	24.02.2024
Skill Development : Design & Innovative Thinking	66	28.02.2024 & 29.02.2024
Skill Development Lecture on Pollution Control- Role of E-Mobility and its Importance	75	29.02.2024



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Symposium on Innovation, Entrepreneurship and IPR	100	11.03.2024 to 13.03.2024
Skill Development : Ideafest Contest	40	04.04.2024
Skill Development : Innovative Idea Pitching Contest Techathon	30	06.05.2024 & 07.05.2024
Skill Development : A Two-Day FDP on Unleashing Innovation: Entrepreneurial Endeavors in Robotics and ROS	22	16.05.2024 &17.05.2024
Workshop on From Idea to Impact: Inspiring Motivation in Startup Ventures and Ethical Steps	72	27.05.2024
Skill Development : Workshop on Process Design and Development	78	27.05.2024
Seminar on Awareness Session on Intellectual Property Rights	70	30.05.2024