17.3.9 SDG 9: INDUSTRY, INNOVATION AND INFRASTRUCTURE



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Sustainable Development Goal (SDG) 9 focuses on Industry, Innovation and Infrastructure. It calls for resilient infrastructure, inclusive and sustainable industrialization, and innovation that supports economic growth, better living standards and reduced inequality.

Policy for SDG 9

The institution acts as a hub for cooperation through specialized centers that support innovation, entrepreneurship and a stronger ecosystem. These centers run programmes that promote the development and transfer of knowledge and technology, and that raise awareness of intellectual property rights (IPR). The results show the institution's commitment to sustainable development through innovation and knowledge sharing.

The innovation ecosystem includes an Entrepreneurship Development Cell (EDC) supported by the Department of Science and Technology (DST) and Management, a Research Incubation Cell (RIC), an Institution's Innovation Council (IIC) and other initiatives that transfer knowledge to students and the wider community.

Through awareness campaigns, workshops, seminars and training programmes, students, faculty and researchers learn why intellectual property must be protected and how to use it for innovation-driven growth. The IPR cell provides expert guidance, carries out patent searches and helps file patent applications, so that intellectual property is managed and used well. In 2024-25 the IIC also took part in IP Utsav 2025 (21–26 April 2025), a six-day national programme of the Ministry of Education's Innovation Cell.

The IIC encourages and mentors students to turn their innovative ideas into prototypes. The IIC earned 5 Golden Stars in 2019-2020 and 4 Golden Stars in 2020-2021, 2021-2022, 2022-2023 and 2023-2024. The Ministry of Education recognized the institution as a leading Innovation Hub in the Atal Ranking of Institutions on Innovation Achievements (ARIIA) in 2019, 2020 and 2021, with 2nd rank in ARIIA 2020 and 4th rank in ARIIA 2021.

The RIC provides mentoring, office space and testing facilities for start-ups. It supports the whole innovation lifecycle, from ideation to prototype, product and start-up.

Professional clubs such as the IEEE Chapter, the Society of Automotive Engineers and the Robotics Society encourage students to take part in technical contests, national and international hackathons, codeathons, ideathons, solar kart and vehicle fabrication contests. In 2024-25 the institution hosted the UYIR Road Safety Hackathon 2025 (8–9 February 2025) with UYIR and the Government of Tamil Nadu, which received 3,263 idea submissions, and the first-level evaluation of MSME Idea Hackathon 4.0 with over 40 teams. **[To update: number of Smart India Hackathon 2024 winning teams, prize amount, and total contest wins for 2024-25.]**

The institution also works on traditional knowledge: ancient agricultural practices, food habits, herb and millet recipes, and the heritage of ancient temples of Coimbatore. The Women Empowerment Cell runs short programmes on millet products, herbal recipes and food fortification for the public, including homemakers and self-help groups. These Indian Knowledge Systems (IKS) initiatives support 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
- Supporting clean and renewable energy
- Strengthening capacity and skills development
- Monitoring and reporting progress

Other SDGs Interlinked with SDG 9



IIC Council 2024-2025 (IIC 7.0)



Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year 2024-2025: 42

SDG mapping key: SDG 3 Good Health · SDG 4 Quality Education · SDG 5 Gender Equality · SDG 7 Clean Energy · SDG 8 Decent Work and Economic Growth · SDG 9 Industry, Innovation and Infrastructure · SDG 10 Reduced Inequalities · SDG 11 Sustainable Cities · SDG 12 Responsible Consumption · SDG 13 Climate Action · SDG 16 Strong Institutions · SDG 17 Partnerships.

S.No	Name of the Workshop/ Seminar	Date (From - To)	SDG Mapping
1	Skill Development: Exposure and Field Visit to Sierra ODC Pvt. Ltd. – Problem Identification aligned with UN SDGs	06.09.2024 - 07.09.2024	SDG 4, 9, 11, 13
2	Skill Development: Idea Showcase – Demo Day / Project Presentation of Ideas	12.09.2024 - 14.09.2024	SDG 4, 8, 9
3	Skill Development: "Hack Havoc" Coding Challenge	13.09.2024	SDG 4, 9

S.No	Name of the Workshop/ Seminar	Date (From - To)	SDG Mapping
4	Skill Development: Exhibition cum Ideathon	18.09.2024 - 20.09.2024	SDG 4, 8, 9
5	Session on Innovative IT Service Management: Empowering Entrepreneurship and Business Growth	04.10.2024	SDG 8, 9
6	Project Expo – Innovation Day Celebration	15.10.2024	SDG 4, 9
7	Workshop on Entrepreneurship and Innovation as a Career Opportunity	16.10.2024	SDG 4, 8, 9
8	Session on Basics of Intellectual Property Rights and its Importance for Innovators and Entrepreneurs	16.10.2024	SDG 4, 9
9	Session on MIC Programmes & Schemes with Dr. Abhay Jere	23.10.2024	SDG 4, 9, 17
10	Skill Development: Workshop on E-Mobility Systems – From Fundamentals to Innovations	25.10.2024	SDG 7, 9, 11, 13
11	MSME Idea Hackathon 4.0 – First Level Evaluation	04.11.2024	SDG 8, 9, 12
12	Workshop on Design Thinking and Business Model Innovation (National Entrepreneurship Day)	05.11.2024	SDG 4, 8, 9
13	Inter-Institution Idea Competition – "Idea Fusion: Unleash Your Creative Power"	06.11.2024 - 08.11.2024	SDG 4, 9, 17
14	Session on Power of Education in Entrepreneurship and Startups (National Education Day)	11.11.2024	SDG 4, 8

S.No	Name of the Workshop/ Seminar	Date (From - To)	SDG Mapping
15	Motivational Talk – The Success Blueprint: Innovators Share Their Story	29.11.2024	SDG 4, 8
16	Workshop on Problem Solving and Ideation	29.11.2024	SDG 4, 9
17	Session on Innovation to Reality: Concept Validation	19.12.2024	SDG 8, 9
18	Energy Conservation Week – Awareness on Energy Conservation in our Regular Life	19.12.2024 - 23.12.2024	SDG 7, 12, 13
19	Session on Achieving Problem-Solution Fit and Product-Market Fit	21.12.2024	SDG 8, 9
20	Expert Talk on Process of Innovation Development	22.12.2024	SDG 9
21	Skill Development: UYIR Road Safety Hackathon 2025	08.02.2025 - 09.02.2025	SDG 3, 9, 11, 17
22	Exposure Visit to COINDIA – Tool Room, Rapid Prototyping, Testing Facilities, Foundry Complex	13.02.2025 - 14.02.2025	SDG 8, 9
23	Inter-Institutional Innovation Competition	18.02.2025 - 20.02.2025	SDG 4, 9, 17
24	Workshop on Design Thinking, Critical Thinking and Innovation Design	19.02.2025 - 20.02.2025	SDG 4, 9
25	Expert Talk on Design Thinking: A Revolutionary Approach to Marketing Innovation	26.02.2025	SDG 8, 9
26	Innovation & Entrepreneurship Outreach Programme at National Model School (Atal Tinkering Lab)	28.02.2025	SDG 4, 9, 17

S.No	Name of the Workshop/ Seminar	Date (From - To)	SDG Mapping
27	Session on Designing for Demand: Strategies to Achieve Product-Market Fit	03.03.2025	SDG 8, 9
28	Two-day Workshop on Mastering IPR: Strategies for Effective Intellectual Property Management	04.03.2025 - 05.03.2025	SDG 4, 9
29	International Women's Day – Empowering Women: Breaking Barriers	08.03.2025	SDG 5, 10
30	Poster Presentation Competition – Less Energy and More Consumption of Energy	10.03.2025	SDG 7, 9, 13
31	Guest Lecture on Less Energy and More Consumption of Energy (National Energy Conservation Day)	10.03.2025	SDG 7, 12, 13
32	Session on How to Plan for Start-up and Legal & Ethical Steps	20.03.2025	SDG 8, 9, 16
33	Skill Development: Idea Showcase – Presentation of Ideas / PoC	03.04.2025 - 05.04.2025	SDG 4, 9
34	IP Utsav 2025 Day 1 – Inauguration and World Creativity and Innovation Day	21.04.2025	SDG 4, 9
35	IP Utsav 2025 Day 2 – Discover More with Design Registrations	22.04.2025	SDG 4, 9
36	IP Utsav 2025 Day 3 – Copy That! Copyrights Uncovered	23.04.2025	SDG 4, 9
37	IP Utsav 2025 Day 4 – Mark the Spot: Trademarks Talk	24.04.2025	SDG 4, 8, 9
38	IP Utsav 2025 Day 5 – Significance of IP Protection and Commercialization	25.04.2025	SDG 8, 9
39	IP Utsav 2025 Day 6 – Patent to Product	26.04.2025	SDG 8, 9

S.No	Name of the Workshop/ Seminar	Date (From - To)	SDG Mapping
40	Motivational Session – From Idea to Impact (Er. S. G. Ashok Kumar, CMTI)	To add	SDG 8, 9
41	Skill Development: Innovarium – 10-hour Hackathon	To add	SDG 4, 9
42	Seminar on Effective Sales and Marketing Strategies for Entrepreneurs and Startups	To add	SDG 8