



**Ministry of  
Education**



**INSTITUTION'S  
INNOVATION  
COUNCIL**  
(Ministry of HRD Initiative)



# **Ministry of Education, Gov's Innovation Cell Institution's Innovation Council**

## **ANNUAL REPORT 2024-25**

**IPS Academy, Institute of Engineering & Science  
Indore (MP)**  
(A UGC Autonomous Institute)



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# ABOUT THE INSTITUTE

IPS Academy Institute of Engineering & Science Indore is a UGC Autonomous institute approved by AICTE New Delhi. The institute is affiliated with Rajiv Gandhi Proudyogiki Vishwavidyalaya Bhopal (MP State Technical University). Institute (NAAC, NBA Accredited UG Programs) was established in the year 1999 and is part of the Indore Professional Society, running 16 Colleges and 76 courses, and is one of the premier Institutions in Central India. The Institute offers 13 UG and 08 PG Programs in branches like CE, CM, CSE, EX, FT&SE, and ME. Under the CSE Dept. we have branches like CSE, CSIT, DS, IoT, IoT & CS Inc. BC, AI&ML, RL, C.Engg.

As per the Times Engineering Institute Rankings 2024, the institute ranks at 31 position among the top 175 Engineering Institutes. And ranked 16 as per the CSR-GHRDC Engineering Colleges Survey 2024 ranking of top Engineering Colleges of Excellence in the country.

The Institute has an AICTE IDEA Lab, Ministry of MSME Approved Host Institute (HI) under incubation scheme, E-Yantra (IIT Bombay) Robotics Lab, AR/VR Lab, and advanced E-Vehicle workshop to cater to the student's need for idealisation and prototyping. The Institute is working in research collaborations with countries like the USA, the Russian Republic, Sri Lanka, Japan, etc.



# BRIEF INTRODUCTION

## Ministry of Education, Govt's Innovation Cell Institution's Innovation Council



Ministry of Education, Govt. of India has established its “Innovation Cell” at IPS Academy, Institute of Engineering & Science, Indore for Technical Education to systematically foster the culture of Innovation. The IIC at the Institute was ranked among the top 25 performers at the National level during the session 2018-19 and the top 3 performers in the Central India zone during the session 2019-20. The IIC has mentored five IICs of the central India region.

IIC aims to create and strengthen the culture of Innovation and Entrepreneurship Ecosystem across all HEIs, enabled to promote and support student innovations and sustainable startups from academic institutions. The aim of IIC is also to engage, encourage and channel the creative energy and entrepreneurial potential of Indian youths to build innovations and enterprises.

Under IIC, activities like awareness of IPR, EACs, Bootstrap Camps, Leadership talks, copyright training, Industrial Visit, Ideas, and PoCs startup camps are organized.



# Vision

To systematically foster the culture of Innovation among students & faculty members. The primary mandate of IIC is to encourage, inspire and nurture young students by supporting them to work with new ideas and transform them into prototypes. To promote Innovation and entrepreneurship in the Institution through multitudinous modes leading to an innovation promotion ecosystem in the campus.

# Mission

01

To conduct various Innovations, IPR, and entrepreneurship-related activities prescribed by MIC in a time-bound fashion.

02

Organize periodic workshops/ seminars/ interactions with entrepreneurs, investors, and professionals and create a mentor pool for student innovators.

03

Network with peers and national entrepreneurship development organizations.

04

Identify and reward innovations and share success stories.

05

Organize workshops, panels of discussion, idea competitions, mini-challenges, Hackathons, etc., with the involvement of industries, and create job givers.

# Objectives

To create and strengthen the culture of Innovation and entrepreneurship ecosystem across all HEIs.

Enable them to promote and support student innovations and sustainable startups from academic institutions.

To engage, encourage and channel the creative energy and entrepreneurial potential of Indian youths to build innovations and enterprises.



# THE JOURNEY OF IIC

The IIC (Estb 2018) was felicitated as top 25 performing IICs among 950 Institutions by the MoE GoI at AICTE, New Delhi, by the then Hon'ble Union Minister for Education, Hon'ble Minister of State for Education for its performance in the session 2018-19.

The student and faculty team registered many marvelous achievements, like setting up start-ups, filing IPRs, etc. The teams from the Institute have bagged many winning prizes in the prestigious Smart India Hackathon. The IIC was felicitated as the top three best-performing IICs in Central India for its performance during the session 2019-20.

AICTE appointed the IIC to mentor five IICs of the CRO Region:

1. LD College of Engineering (Gujarat)
2. School of Planning & Architecture, SPA (MP)
3. VITM (MP)
4. Symbiosis University of Applied Sciences (MP)
5. SISTech (MP)

The IIC successfully completed the Mentor-Mentee program of AICTE, and the Mentee Institutes improved their grading of Innovation activities. The Institute holds a record for the maximum number of finalist teams in the Central India region in the SIH 2024. Due to the innovation activities, the institute got permission to set up the AICTE IDEA Lab and MSME Incubation Center. Five start-ups are incubated under the IIC, and many more are in the pipeline.



# BRIEF OF THE TEAM

President: Dr. Rupesh Dubey, Prof. & HoD EC

Vice-President: Dr. Amit Chandak, Associate Prof. ME

Convenor: Mrs. Namrata Atre, Asst. Prof. CSE

Coordinators:

Mr. Dharmendra Yadav, Asst. Prof. EC

Ms. Bhawana Lakhani, Asst. Prof. CSE

Mrs. Shalini Dwivedi, Asst. Prof. FSE

Mr. Anand Thorat, Asst. Prof. ME

Mr. Deepesh Bhati, Asst. Prof. EX

Mrs. Gulafsha Baig, Asst. Prof. EC

Ms. Rudrakshi Sharma, Asst. Prof. EC

Portfolio/Graphical/Tabular representation of Resource strength  
(human capital and Physical capital) of the IIC institution

- Total No. of IIC Members 70
- Total No. of IAs 05
- Total No. of faculty Mentors from Portal 10
- Pre-Incubation Units Yes
- Incubation Units Yes
- IPR Facilitation Unit Yes



# ACTIVITIES

2024-25

## Activity name/number of beneficiaries

Entrepreneurship OEC-601 Credit 03/300

Intellectual Property Rights OEC-802 Credit 04/150

Design Thinking HS-01 Credit 1/1499

Innovation and Creativity HS-03 Credit 1/1499

Entrepreneurship & Principle of Management HS-04 Credit 01/1499

Project Management MEDC-201/20

Professional Laws & Ethics MLC-01/800

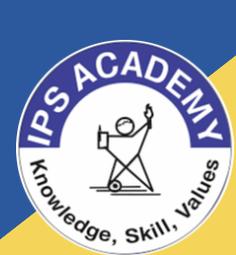
Hackathons 05/700

Workshops/Leadership talks/IIC/MIC 33/3000

I&E Meetings 04/152

Ideas generated 488





# BRIEF OF EVENTS

- Number and Different types of I&E and IPR activities Conducted
- No. of students' & faculty ideas generated 488 plus ideas generated
- No. of students' & faculty Innovation/prototypes developed 125 plus
- No. of IPs generated, published and granted 12
- No. of Student & Faculty Start-ups/Ventures established 02
- Amount proposed to be spent on promotion and awareness generation on Innovation Entrepreneurship, infrastructure in the campus 8 Lakhs
- Amount grant or fund supported to student & Faculty lead Innovations, start-ups and Rs. 20k

Participation of IIC-institute in various programs of the Central and State Govt., highlighting especially for the schemes or programs

ARIIA (NIRF Innovation) – participation and Rank ARIIA 2021 rank holder

• NISP policy adopted and workshops conducted to train faculty members and students

Student teams winners and runner-ups of Smart India Hackathon 2019, 2022, 2023 & 2024 & MSME Hackathon 3.0 (Women) & 4.0 (Youth) Winners with grant of Rs. 30 lakhs/-

AICTE appointed the IIC to mentor five IICs of the CRO Region (2020-21):

1. LD College of Engineering (Gujarat)
2. School of Planning & Architecture, SPA (MP)
3. VITM (MP)
4. Symbiosis University of Applied Sciences (MP)
5. SIS Tech (MP)



# IMPACT & OUTCOMES

The IIC of the Institute targeted four groups of people, one of which is new entrants in the Institute; these require an introduction to innovations and entrepreneurship to bring them out of the clutches of the service system. The second group is those who have ideas but are unaware of the ecosystem and the startup path. The third group is the ones who have created their product and want to establish the product in the competitive system of the market. And the fourth group is the profit-earning Startup; these are the ones that can cater to the need of the HEI for reverse benefits in terms of revenue, jobs ecosystem support, etc. Here we tried to take care of all groups.

Active participation by students in the workshops and interest was demonstrated.

Some student groups have also shared their existing startup ideas to work on an action plan for further execution. Significant follow-up questions and discussions with individual students and groups on ideas and opportunities were conducted.

Way back, a collective team of students from various branches has already shown their presence at the National and International levels by winning first prize in Smart India Hackathon and representing India in Singapore India Hackathon.



# IMPACT & OUTCOMES

The year 2024 witnessed some of the records in the Innovation activities; in the Smart India Hackathon (World's Biggest Open Innovation Model), eight teams of our Institute were finalists which is one of the largest figures from a single institution in Central India, and among them one team was declared the winner (The winning amount in SIH is Rs. 1 lakh). Also, consecutively, for the second time in a row, the participant teams in MSME Hackathon won a grant of Rs. 15 lakhs for nurturing the idea, for two years this amount is Rs. 30 lakhs. Members got trained under the IIC-Innovation Ambassador program. Patents/Copyrights were registered. Identified Instruments for the design of products in all branches. Organised EAC, leadership talks, Innovator stories, etc.

From the Institute, 12 teams pitched their ideas in the Yukti Innovation Challenge competition organised by AICTE, MoE GoI for grant for prototyping their idea. Also 06 students submitted their ideas for the AICTE Product Fellowship APF.

One team of students under the mentorship of Dr. Rupesh Dubey is working on the problem statement of the Ministry of Power, Govt. of India, for resolving their problem of document verification. Under the same students are getting a yearly stipend of Rs. 3.6 lakhs per annum. Also, they will get six advanced laptops for working on the project.

# IMPACT & OUTCOMES

IIC at the Institute has played an instrumental role in bringing a revolution in the direction of clubbing all the necessary facilities together for product development. The various departments have started collaborating for the cause of Innovation. Our faculty members were groomed as mentees by the world leaders.

The IIC of the Institute not only provides an ecosystem of Innovation facilities of the students of the Institute but also provides supports to the student Innovation councils of the schools. The students of various schools takes the advantage of the advanced facilities of AICTE IDEA lab and others state of art labouratries of the Institute to test their designs.

## Quantification of Impact and Outcomes

**Student Beneficiaries**  
(Multiple sessions)

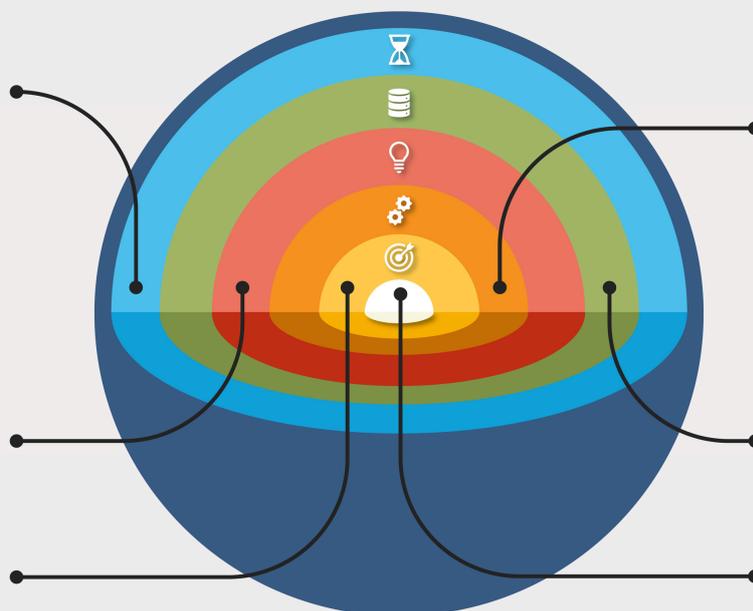
5600

**Ideas**

488

**Patents/IPRs**

12



**Credit Courses**  
Entrepreneurship  
/IPR/DT/Innov. &  
Creativity

2738

**Faculty Beneficiaries**  
(Multiple Sessions)

490

**Startups**

02



# FUTURE PLANS

Excellence is not a destination but a journey. If we talk about perception, then the Institutions' Innovation Council, MoE, GoI, is the top-performing cell in the CRO Region, with a three-star rating; it is fulfilling the aim of the establishment of IIC at the Higher Education Institution.

The Institutions' Innovation Council plans to work briefly on the following points in the near future:

- Advancement of AICTE IDEA and AR/VR Lab
- Upskilling of students in CAD/CAM Design, 3D animation, IPR filing, etc.
- Establishing a modern Incubation Center to cater to both software and hardware projects.
- Sessions by growing startups and unicorns.
- Allocate larger working space and resources to emerging startups.
- Invite more Angel/seed investor interactions.
- Workshops on technology transfers.
- Supporting the establishment of more than five startups every year.



# THANKYOU

**Contact Information**

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