



INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of Education Initiative)



MoE's
INNOVATION CELL
(GOVERNMENT OF INDIA)

75
Azadi Ka
Amrit Mahotsav

विकसित भारत
अभियान
1947 TO 2047



Institute Innovation Council

**Pt. Ravishankar Shukla University, Raipur
Chhattisgarh – 492010**

Aishe Code: U-0093

(Under The Initiative of Ministry of Education's Innovation Cell)

IIC ID: IC201810375

Report

Institute Innovation Council,

Pt. Ravishankar Shukla University, Raipur

In association with

S.o.S in Electronics & Photonics

Pt. Ravishankar Shukla University, Raipur

Organized

**"Think, Create, Present: A Competitive
Showcase of Student Innovation-2025" "**

On

9th - 10th May, 2025

At

Computer Lab, S.o.S in Electronics & Photonics



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Poster

The poster features a light blue background with a subtle pattern of icons representing various fields of study and technology. At the top, there are logos for Pt. Ravishankar Shukla University, Institution's Innovation Council, MoE's Innovation Cell, and IIC-PRSU. The main text is centered and reads: 'Institute Innovation Council Pt Ravishankar Shukla University, Raipur in association with Innovation & Incubation Centre, S.o.S in Electronics and Photonics Pt. Ravishankar Shukla University, Raipur Welcomes You to the celebration of "Think, Create, Present: A Competitive Showcase of Student Innovation-2025" on May 09-10, 2025 | 11:00 AM Onwards Venue Computer Lab, S.o.S in Electronics , PRSU, Raipur'.

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Innovation & Incubation Centre,
S.o.S in Electronics and Photonics
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Welcomes You
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Venue
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Details of Event

Name of Program Type	Organize an Inter/Intra Institutional Business Plan Competition and Reward the Best Innovations. (Calendar activity IIC 7.0)
Name of Program Theme	Think, Create, Present: A Competitive Showcase of Student Innovation-2025
Objective	Showcase student innovation in electronics & tech, inspiring creative solutions for real problems;.
Benefit	Gain hands-on experience, expert mentorship, recognition, and a chance to win top innovation awards.
Duration of Activity	12 hour
Mode of Event	Offline
No. of Students Participants	17
No. of Faculty Participants	07
No. of External Participants	0
Expenditure	1200



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About the Program

A dynamic competition designed to ignite innovation among students in the fields of electronics, smart devices, and emerging technologies. This event challenges participants to identify real-world problems and develop creative solutions through IoT systems, embedded devices, robotics, automation, renewable energy innovations, and more. This showcase invites young innovators to develop breakthrough projects.

Participants will form teams or compete individually to design and develop innovative solutions, projects, or prototypes that address real-world challenges. From tech breakthroughs and environmental solutions to social impact ideas and artistic innovations, this is your stage to shine.

The competition unfolds in three thrilling phases:

1. Think – Identify a problem or opportunity and ideate a creative solution.
2. Create – Develop a working model, prototype, or presentation with originality and impact.
3. Present – Pitch your project to a panel of expert judges in front of a live audience.

We are honoured to welcome Prof. Pawan Patnaik, Associate Professor, BIT Durg, as our expert mentor and jury member. His guidance and feedback will provide valuable insights to help refine your projects and take your ideas to the next level.

This initiative also encourages students to explore larger platforms like ISIH (Internal Smart India Hackathon) and IDEATHON, where their ideas can reach national recognition.

Three standout projects were recognized as the Best Projects for their creativity, feasibility, and societal impact.

Aman Pradhan and Seema Shukla presented a ground breaking idea with their project titled “Solar-Based Sanitary Disposable Machine.” This device is



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designed to address the challenges of menstrual hygiene in rural and underprivileged areas. Powered entirely by solar energy, the machine offers a safe, eco-friendly method to dispose of used sanitary napkins through controlled incineration. Their project combines health, dignity, and sustainability—making it a powerful solution to a pressing social issue.

Harsh Sahu and Harsh Kumar Sahu developed the “Solar and IoT-Based Smart Air Purifier,” which merges renewable energy with smart technology. The purifier operates using solar power and is equipped with IoT sensors that monitor air quality in real time. Users can access air quality data remotely, making it ideal for homes, schools, and urban areas facing pollution. Their innovation promotes clean energy and smart living.

Janki Rao and Dharni Verma impressed judges with their “Eco-Friendly Air Conditioner,” a system designed to minimize electricity consumption while maximizing cooling efficiency. Using natural cooling methods and sustainable materials, their air conditioner is a greener alternative to traditional cooling systems, especially relevant in the face of climate change and rising energy demands.

These three projects truly embody the theme of innovation, sustainability, and social relevance. Their work not only demonstrates technical excellence but also shows a deep understanding of societal needs, inspiring others to think beyond the ordinary and create solutions for a better tomorrow.



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Photos of the Event





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Media Coverage



छात्र ने तैयार किया स्मार्ट पार्किंग और बिजली उत्पादन का देशी मॉडल

नवभारत

Muhassamud - 19 May 2025 - 19m5d4

राष्ट्रिय नवोद्यमिता दिवस

नवभारत



यह प्रोजेक्ट का एक भाग है जो एक स्मार्ट पार्किंग और बिजली उत्पादन का देशी मॉडल है।

सत्याग्रही किसानों की बैठक आज

राष्ट्रिय नवोद्यमिता दिवस के अवसर पर एक कार्यक्रम का आयोजन किया गया। इस कार्यक्रम में छात्रों ने अपने स्मार्ट पार्किंग और बिजली उत्पादन का देशी मॉडल प्रदर्शित किया।

एनुअल मॉडल प्रेजेंटेशन • रचित के स्टूडेंट्स ने प्रेजेंट किए इन्वेंटिव आइडिया, सौर ऊर्जा से करेंगे समस्याओं का समाधान

सौर पावर से चलेगी मशीन, एक साथ तीन सेनेटरी पैड डिस्पोज करेगी

विश्व विज्ञान, रायपुर

य. राविकांत शुक्ल विश्वविद्यालय के इन्वेंटिव मॉडल प्रेजेंटेशन कार्यक्रम में छात्रों ने अपने स्मार्ट पार्किंग और बिजली उत्पादन का देशी मॉडल प्रदर्शित किया।

सौर पावर बेस सेनेटरी डिस्पोजिबल मशीन



आईओटी पर आधारित घुमन सेप्टी ट्यूज



सौर बेस स्मार्ट कार पार्किंग एंड पावर जनरेशन सिस्टम



Conclusion

Think, Create, Present – 2025 concluded with an inspiring showcase of innovation, creativity, and technical excellence. Students demonstrated remarkable problem-solving skills through their smart electronic devices, IoT solutions, and forward-thinking prototypes. With expert guidance from Prof. Pawan Patnaik, participants received valuable feedback that will help shape their future innovations. The event not only celebrated student talent but also motivated participants to take their ideas to larger platforms like ISIH and IDEATHON. The success of this event highlights the importance of nurturing young minds and encouraging practical, real-world applications of technology. Congratulations to all the innovators who dared to dream!

Dr. Kavita Thakur

Dr. Kavita Thakur
President, IIC PRSU