



CENTRE FOR INNOVATION, INCUBATION AND ENTREPRENEURSHIP

# UNIVERSITY OF KASHMIR

## (INSTITUTION'S INNOVATION COUNCIL)

NAAC Accredited Grade 'A++'

Zakura Campus, Srinagar – 190024

<http://ciece.uok.edu.in> | [ciece@uok.edu.in](mailto:ciece@uok.edu.in)



No: IoT-CIIE/01/2025/AR1

Date: 10/09/2025

## IIC ANNUAL REPORT 2025

### A. About IIC Institute:

#### **Vision / Mission of IIC established at the Institute:**

The Institution's Innovation Council (IIC) at Institute of Technology, University of Kashmir, Zakura Campus, envisions fostering an ecosystem of innovation and entrepreneurship, encouraging creative problem-solving, and nurturing entrepreneurial mindsets among students and faculty. The mission is to build a sustainable innovation culture through structured activities, capacity building, and industry-academia linkages.

#### **Vision:**

- To establish a state-of-the-art center for technology innovating and incubation for transforming technological and innovative ideas into working products and business ventures thereby empowering youth to become job providers.
- Efforts will be made for scouting, spawning, sustaining, scaling up, and protecting indigenous technological innovations and catalyzing their transition from mind to market.
- CIIE endeavors to identify potential incubates, and desirous of incubation support, and provide them with training as well as technical support for prototype development.
- CIIE provides IPR protection and patent Filing facilitation.
- CIIE provides interaction and networking of incubates with industry partners and angel investors.



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### **Journey of IIC established at the Institute:**

Established as a Centre in the University of Kashmir in March 2021 as “**Centre for Innovation, Incubation and Entrepreneurship**” (CIIE) is located within the premises of the Institute of Technology, Zakura Campus of the University of Kashmir with a vision to promote Innovation, Incubation and encourage entrepreneurship primarily among students of the Institute of Technology besides catering to entrepreneurial challenges of youth in the area thus equipping them with various valuable skills towards becoming self-sufficient. The Centre encourages young inquisitive minds and backs up/supports their innovative projects and ideas besides providing a decisive platform for incubating their projects and promoting Entrepreneurship on a broader spectrum. This facility is extended to students and innovators alike. CIIE since its very inception has been striving to successfully provide an enabling ecosystem with the eventual succor of innovations from scratch and lead innovators with the thrill and skill of becoming assets to the nation. To elaborate, CIIE puts in all the requisite efforts to convert mere an idea into new or improved products, processes, services and offering for growth and social development to unleash the creative potential of our youth. Innovations being vital in the contemporary era need to be evolved and supported from the very basic levels and that's where our centre comes to the rescue by inspiring, encouraging and nurturing the students and innovators by exploring new ideas and processes resulting in innovative activities.

### **Diversified representation in IIC:**

The IIC comprises representatives from diverse fields, including industry professionals, interdisciplinary departments, research units, faculty mentors, and student leaders. This diverse representation ensures a multidisciplinary approach to innovation and entrepreneurship, fostering inclusivity and comprehensive learning.



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### B. Key Functionaries at the IIC Institute:

- **President** – Prof. Mohd. Tariq Banday
- **Vice President** – Dr. Bilal Ahmad Malik
- **Convenor** – Mr. Reyaz Ahmad Mir
- **Coordinators** – Er. Rouf ul alam(Innovation Activity Coordinator), Mohd Aarish Shaheen(NIRF Coordinator), Dr. Farooq Ahmad Najar(ARIIA Coordinator), Er Adil Mudasir(IPR Activity Coordinator), Ubaid Bashir Qureshi(Internship Activity Coordinator), Er. Qazi Junaid(Start up Activity Coordinator), Dr. Irfana Baba(Startup Coordinator)

### C. Resource Strength (Human & Physical Capital):

Resource Category	Number/Details
Total No. of IIC Members	27
Total No. of IAs (Teaching, Non-Teaching and Students)	55
Total No. of Faculty Mentors from Portal	20
Pre-Incubation Units	No
Incubation Units	03



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IP Facilitation Unit	02
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### D. Facilities & Infrastructure:

The IIC at Institute of Technology, university of Kashmir, Zakura Campus, is supported with:

- **Dedicated Incubation Centers:**

- i. **Centre for Innovation, Incubation and Entrepreneurship(CIIE):**

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the very basic levels and that's where our centre comes to the rescue by inspiring, encouraging and nurturing the students and innovators by exploring new ideas and processes resulting in innovative activities.

**ii. New Generation Innovation and Entrepreneurship Development Centre (NewGen IEDC):**

NewGen IEDC is programme launched by National Science and Technology Entrepreneurship Development Board (NSTEDB), Department of Science & Technology (DST), Government of India. In University of Kashmir, NewGen IEDC will aim to inculcate the spirit of innovation and entrepreneurship amongst the young S&T students, encourage and support start-up creation through guidance, mentorship and support. The programme will be implemented in academic institutions. Students will be encouraged to take up innovative projects with possibility of commercialisation. NewGen IEDCs would also spread the message of entrepreneurship and create a culture of entrepreneurship in the Host Institution (HI). With faculty already trained in the nuances of entrepreneurship, the presence of NewGen IEDCs in HI would create a vibrant entrepreneurial culture amongst the students. Few amongst the “Job-Seekers” would be converted to “Job-Generators” through the entrepreneurial route.

**iii. BIRAC-E-YUVA Centre:**

The Department of Biotechnology at the University of Kashmir have established BIRAC-E-YUVA Centre incubation center.



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- **State-of-the-art labs:**

- i. **5G Incubation Use Case Lab:**

CIIE has established a state-of-the-art 5G Use Case Lab, awarded by the Department of Telecommunications (DoT), Government of India. This premier facility is aimed at exploring and developing innovative applications of 5G technology. The lab is equipped with cutting-edge infrastructure designed to support research and experimentation in emerging domains such as IoT, Smart Cities, Healthcare, Autonomous Systems, and more. Its primary objective is to drive technological advancement by enabling students, researchers, and start-ups to build and test real-world 5G solutions. Innovation Start-up Zones are also proposed to offer dedicated in-house spaces for innovators and researchers to work on 5G technologies, further promoting collaboration and innovation. For the establishment of the 5G Lab at CIIE, IoT, Zakura Campus, the total CAPEX cost incurred by TCIL, a Government of India enterprise under DoT, was ₹60,37,617 (plus GST), with the institute contributing 20% of the CAPEX, i.e., ₹1,424,877/- (including GST). Additionally, an amount of ₹5,470,374/- (in lakhs) has been allocated for workstations, computers, and furniture, reflecting a significant investment in developing this state-of-the-art lab. For the proper functioning and effective utilization of this lab, there is an urgent requirement to engage skilled Resource Persons (technical experts/trainers) who can guide, train, and support students, researchers, and start-ups in leveraging the lab's capabilities.



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### ii. **E-Yantra Incubation Lab for embedded System:**

The Centre for Innovation, Incubation and Entrepreneurship (CIEE) proudly houses the e-Yantra Lab, a dedicated facility for robotics and embedded systems aimed at advancing innovation in automation, robotics, and smart technologies. Equipped with modern tools, the lab offers students valuable hands-on exposure that bridges theory with practice. By encouraging project-based learning and experimentation, the e-Yantra Lab nurtures problem-solving, critical thinking, and technical skills. It serves as a platform for fostering creativity, interdisciplinary collaboration, and entrepreneurial mindsets, thereby preparing students to address real-world challenges with innovative solutions. Equipments worth ₹3,963,699/- (in lakhs), was utilized to establish this lab, underlining the institute's commitment to developing high-quality facilities for innovation. In addition to this budget, an amount of ₹1,46,800/- was utilized for the furniture, electrical, and networking setup of this lab.

### • **IP Facilitation Centre for patent drafting, filing, and awareness:**

Our institute offers an IP Facilitation Centre that provides comprehensive support in patent drafting, filing, and awareness. The centre is dedicated to guiding innovators, researchers, and startups in protecting their intellectual property by offering expert assistance in documentation, legal processes, and creating awareness about the importance of IP rights. This initiative ensures that ideas and innovations are safeguarded while fostering a culture of creativity and innovation on campus.



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### E. Achievements:

Achievement Category	Number/Details
Number and Different types of I&E and IPR activities Conducted	76
No. of student's & faculty ideas generated (Annexure I)	15
No. of student's & faculty Innovation/prototypes developed (Annexure II)	30
No. of IPs generated, published and granted (Annexure III)	28 patents filed, 12 patents granted, 16 published
No. of Student & Faculty Start-ups Established	09
Amount spent on promotion and awareness generation on Innovation Entrepreneurship in the campus	₹ 6,92,810.00
Amount grant or fund supported to student & Faculty lead Innovations, start-ups and IPR	₹ 4,84,142.00
No. of Technology Transfer and Commercialization happened	01





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### F. Best Faculty/Student Members & Achievements:

- Dr. Bilal Ahmad Malik, Vice-president of IIC Institute, felicitated by Honourable Lieutenant Governor of Jammu & Kashmir at Kashmir Expo 2022 for outstanding accomplishment in the form of patent grant for “Starch Free Rice cooker for Diabetic patients”
- Manan Sajad Malik, Farhana Batoo, Er.Rouf ulalam bhat, Jahangeer Aurshad, Abdul Mueed Hafiz, developed “A Carbon Monoxide detection (CO) Detection and Ventilation System”.
- Er.Rouf ulalam bhat, Jahangeer Aurshad, Uzma Mushtaq, Nabeela Mehraj, Seerat Ali, Haadi, Bilquis Bashir, developed “Winter water pipe defreezer using non-invasive induction heating”.
- Er. Rouf ulalam bhat, Jahangeer Aurshad, Qaifa Ibrahim, Yousman Zahoor, developed “An Automatic Pink Tea Vending Machine”
- Er. Rouf ulalam bhat, Jahangeer Aurshad, Sabreena Geelani, Qaisiri Showkat, developed “Fuel Quality and Quantity Monitoring add on system”.
- Jehangir Hameed Lone, Sajid nor, Areiz koul, Imran nazir, Azraw Hussain, Dr. Bilal Ahmad Malik developed “Starch Free Rice cooker for Diabetic patients”
- Jehangir Hameed Lone, Sajid nor, Babar Majid, Sadaf Bashir developed “Internet based dual ambu bag resuscitator”
- Hakim Mueed, Jehangir Hameed, Adil Yousuf, Shakir Rajab, Ishrat Rajab developed “Solar Electrified road for wireless charging on electric vehicles”
- Rouf ul alam bhat, Jahangeer Aurshad, Simran Hameed, Bazilah Hameed developed “A smart room heater configured to operate on a low voltage under blanket usage”.
- Rouf ul alam bhat, Shafiq Rizwana, Abdul Mueed hafiz, Ajay Ajwani developed by “A novel apparatus for environment sensing in tunnels, deep wells and manholes before repair works”



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- Dr. shabir A parah, Parsa Sarosh, Shezan Fayaz, Subreena Mushtaq developed “Adaptive headlight control with lamp deflection for vehicles”
- Sheikh Tahir Majeed, Rabiya Majeed, Khursheed I.Andrabi developed “A novel eight amino acid sequence in S-6 kinase mediate insulin response”
- Dr. Bushra Jan, Prof. Zaffar A. Reshi, Prof. F. A Mohidin developed “Bio-formulations of endophytes isolated from stigmas of crocus sativus for the management of corm rot diseases of saffron”
- Ishfaq Khan, Shahzad A.Pandith, Prof. M.A. Shah, Prof. Z. A. Reshi developed “Development of efficient and cost effective kit for isolation and purification of calcium oxalate crystals from plant tissues”
- Dr. Zehabudin, Dr. G. A Harmain, Mehvish khursheed, Nasa john, Umer bilal, Navera kirmani, Mehnaz jan developed “Automation of saffron drying based on Infra-red heating”.
- Dr. Bilal Ahmad Malik, Ahwas Altaf Zargar, Areej Altaf, Syed Kashif developed “Device for providing cooling and heating effects for therapeutic treatment”
- Er. Rouf ulalam bhat, Jahangeer Aurshad, Irtika qayoom, Alina Parvez developed “Smart Lock system and operating method thereof”
- Jehangir Hameed Lone, Sajid nor, Syed Kashif, Sadaf Bashir, Shah shahid showkat, Umhara Rasool, Tabish Jan developed “Temperature controlled bottle with Integrated hydration monitoring capability”
- Syed Kashif, Nadia Amin sheikh, Hilal ahmad, Jehangeer hameed, Dr. Abdul Mueed Hafiz developed “Wearable Device for personal safety, security and health monitoring”
- Javaid Ahmad Sheikh, Jehangir Hameed Lone, Syed Kashif, Saqlain Mushtaq, Khadim Ali developed “A Pilow System”
- Rouf ul alam bhat, Mohsina Manzoor sheikh, Aliya jan, Ayman un Nissa, Shahijahan Khan, Owais Gul Shergujri developed “Method for turning the circuit open to protect from an electric shock”



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- Jehangir Hameed Lone, Sajid nor, Syed Kashif, Sadaf Bashir, Mariya Shafat, Kashif Jeelani developed “Incubator System for Premature Infants”
- Sheikh Tahir Majeed, Rabiya Majeed, Khursheed I.Andrabi developed “A novel 19 amino acid sequence in S-6 kinase is required for mediating its MTORC2- Dependent action”
- Amaan Abbas, Hafsa Hassan, Rouf Ul Alam Bhat developed “Frugal Circuit Breaker”
- Dr. Adil Gani, Dr. Ifra Hassan, Dr. Asima Shah, Dr. Rehana Akhtar, Dr. Asir Gani, Dr. Idrees Ahmed Wani developed “Nano-Hydroxyapatite Reinforced Electro-Spun Chitosan Nano Fibrous Films For Food Packaging Applications”
- Abdul Qayoom developed “Cleaning Device For Nuts”
- Dr. Adil Gani, Bilal Ahmad Ashwar, Dr. Asima Shah, Dr. Nairah Noor, Dr. Asir Gani developed “Nanocapsules Of Seabuckthorn Polyphenols, Process Of Preparing Thereof, And Applications Thereof”
- Dr. Adil Gani, Dr. Nairah Noor, Dr. Naseer Ahmad Bhat, Bilal Ahmad Ashwar, Dr. Asima Shah developed “Electrospun Resistant Starch As A Scaffold For Delivery Of Probiotics”
- Dr. Adil Gani, Dr. Ifra Hassan, Dr. Asima Shah, Dr. Mehvesh Mushtaq developed “Novel Nano fibrous Film Containing Polyphenols From Asplenium Falcatum And Process Of Preparing Thereof”

### G. Selected Best Innovations:

- “A Carbon Monoxide detection (CO) Detection and Ventilation System” developed by Manan Sajad Malik, Farhana Batoo, Er.Rouf ulalam bhat, Jahangeer Aurshad, Abdul Mueed Hafiz.



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### H. Selected Start-ups Established:

- **AL-RIZQ**, Foods founded by Afsha Jan and Insha Jan is a women-led startup dealing with delivery of clean food grown on the soil of Kashmir.
- **Switch Electric private Limited**, founded by Aamir Riyaz Pampori, Aqid Farooq Shah, Seerat Farooq, is an equipment & machinery private limited company based in Parimpora, Jammu & Kashmir, India, established in 2024, testing different use cases to ensure rural mobility through DIY kits as well as bringing wheels of freedom for every ability.
- **BOTANIXPO** (PO stands for Plant Origin), founded Shahzaib Aijaz Zargar and Bayiza Yousuf, creates value-added products from high-quality medicinal and aromatic plants of Kashmir using AI powered processing and sustainable harvesting.
- **Ecobuddy**, founded by Farukh Usman and Maleeha Zainab is a sustainable startup focused on recycling corrugated boards and boxes. They offer doorstep collection and reward users for contributing recyclable waste. Their eco-efficient process turns used packaging into reusable materials.
- **Switch Electric**, founded by Aqid Farooq Shah, Amir Riyaz Pampori and Seerat Farooq, empowers rural mobility by converting traditional bicycles into electric cycles using affordable DIY kits.
- **SpeckT**, founded by Sakina and Soumaan Nisar, is a SaaS platform revolutionizing student transport management in schools and colleges. It offers real-time bus tracking, QR-based student verification and smart route planning through a web-based dashboard.
- **Motion Pro Dynamics**, founded by Burhan Yousuf wani and Tufail Ahmad Mir, delivers AI, ML and robotics-powered solutions in sports and defense equipment manufacturing. Their flagship product "Cpeed", enhances training and rehabilitation by offering advanced workload analytics and precision tools. The startup supports sports institutes



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and rehab centers with integrated tech for smarter performance and recovery management.

- **APSTAM Technologies Pvt. Ltd.**, founded by Kanav Sharma, is developing a smart tool that can loosen or tighten any nut or bolt with just the press of a button- from a laptop screw to a truck tyre.
- **Curve Electric**, co-founded by Sheikh Yameen and Zubair Ahmad, is a pioneering startup committed to transforming urban mobility through innovative, sustainable, and efficient transportation solutions. It is the first public e-bike sharing system, addressing the challenges of rising air pollution, traffic congestion and the growing demand for affordable, eco-friendly commutes.

### I. Breakthrough Innovations / Technologies Developed:

- **Manual Walnut Peeler and Cracker:**

Developed by Mushtaq Ahmed Dar, who mechanized walnut peeling and cracking with his innovative machine, increasing productivity tenfold compared to manual labor. This machine processes over 80 kg of walnuts per hour and handles different sizes and shapes of walnuts and almonds. Empowering local farmers, his machine simplified nut processing and boosted their income.

### J. Participation in Govt. Programs:

- **NISP Adoption** – Under Process
- **Smart India Hackathon** – Under Process
- **IDE Bootcamp** – 05 prototypes submitted for YUKTI Innovation Challenge 2025 and 15 ideas for AICTE Productization Fellowship (APF) 2025
- **YUKTI Innovation Challenge** – 05
- **IIC-ATL Mentorship Linkage** – Linked with 03 ATL Schools



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### K. Social Media & Outreach

- Website: <https://iot.uok.edu.in>
- YouTube Channel: <http://www.youtube.com/@iotzakuracampus>

### L. Testimonials

- **President, IIC** - *"Being part of the Institution's Innovation Council has been a transformative experience. The council has provided us with a platform to nurture creativity, encourage innovative thinking, and guide our students towards entrepreneurial success. I am proud of the collaborative spirit that drives our initiatives."*
- **Vice President, IIC**- *"IIC has helped bridge the gap between academic knowledge and real-world application. Through its various activities, students have gained hands-on exposure to idea generation, innovation, and startup culture. It has been rewarding to witness the enthusiasm of our young innovators."*
- **Convener, IIC**- *"The Institution's Innovation Council has become a hub of ideas and opportunities. We have been able to connect our students with experts, mentors, and industry leaders, which has significantly boosted their confidence in pursuing entrepreneurship and innovation."*
- **Faculty Coordinator, IIC**- *"Being a part of IIC has allowed me to mentor students more effectively and engage them in meaningful projects. The structured activities, from boot camps to awareness sessions, have provided a strong foundation for cultivating an entrepreneurial mindset."*
- **Student Member, IIC**- *"As a student member, IIC has been a life-changing journey. It gave me exposure to pitching ideas, developing prototypes, and learning from mentors. The experience has not only improved my innovative skills but also enhanced my leadership and teamwork abilities."*

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- *“IIC at Institute of Technology, University of Kashmir, Zakura Campus has been instrumental in guiding us from idea to prototype, providing mentorship and resources.”*  
– Hadi Badri, Student, 7<sup>th</sup> Semester.



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**M. Images:**

### Awards/Recognitions



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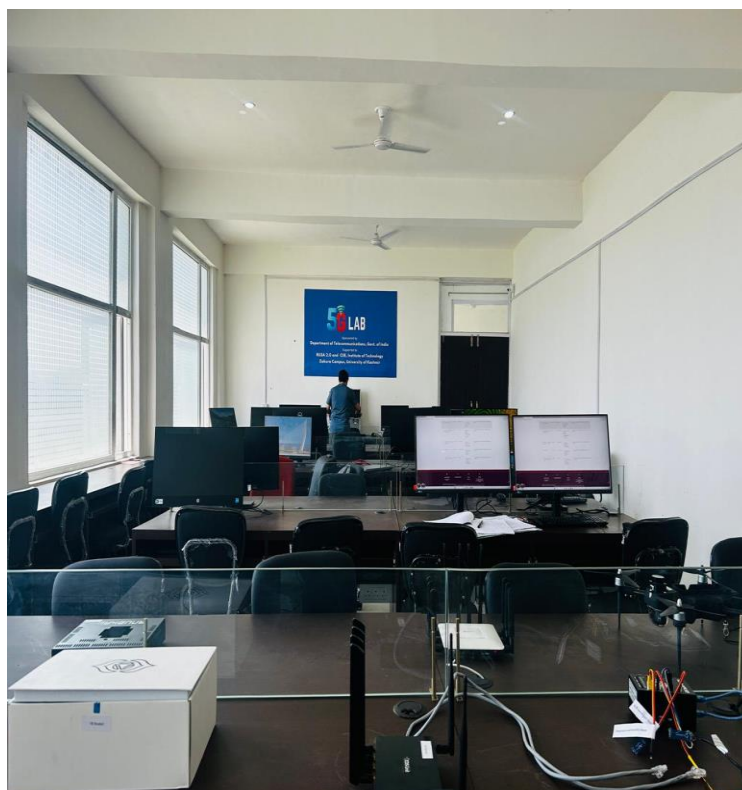
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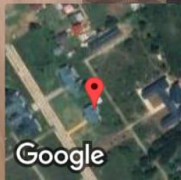
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**Srinagar**

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Srinagar, 190003,  
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02/09/2025 04:23 PM GMT +05:30

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Srinagar

institute of technology , university of Kashmir , zakura campus,  
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### N. Contact:

#### Institution's Innovation Council (IIC)

Institute of Technology, university of Kashmir, Zakura Campus

Email: [iot@uok.edu.in](mailto:iot@uok.edu.in)

Phone: 8803011213

Website: <https://iot.uok.edu.in/>

Prepared by:

Baseerat Ameen Wadoo

A handwritten signature in black ink, appearing to read 'Baseerat'.

Technical Assistant, CIIE

Institute of Technology, University of Kashmir

CHAIRMAN  
Centre For Innovation Incubation  
And Entrepreneurship (CIIE)  
University of Kashmir  
Zakura Campus, Srinagar.

A handwritten signature in black ink, appearing to read 'Baseerat'.

DIRECTOR  
IoT, Zakura Campus



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### Annexure I

S.No.	Idea Title	Innovator Details
1.	Trameel	Aseel Shah shahaseel.6504@gmail.com
2.	SOS System for Trekkers	Hafsa hafsahassan9596@gmail.com
3.	Trameel	Aseel Shah shahaseel.6504@gmail.com
4.	Smart room heater with constant heat at all voltages for harsh winters with feedforward control	Amaan Abbas amaan.abass@gmail.com
5.	Smart offline AI GPT based educational device for remote and border areas.	Faiq zahoor faiqzahoor321@gmail.com
6.	Hop Boots	Shoaib ul Haq shoaibulhaqfarooq@gmail.com
7.	Smart UV Disinfection for Safer Crops.	Muqadus Manzoor bhatmukadus009@gmail.com
8.	Smart Disinfection for safer crops	Muqadus Manzoor bhatmukadus009@gmail.com



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9.	Personalized AI enabled learning platform for government recruitment exams	Syed Ubaid Qurashi s.ubaid.q@gmail.com
10.	OneRide+: Smart Multi-Modal Transport App for Tier 2/3 India	Zaid zahoor zaidbht344@gmail.com
11.	Frugal circuit breaker	Amaan Abbas amaan.abass@gmail.com
12.	EchoWalk: Sound-Based Navigation for the Blind	habeel javid habeeljaveed09@gmail.com
13.	A nano-computational platform for designing Carbon dots for applications in agriculture	Syed Ubaid Qurashi s.ubaid.q@gmail.com 6006171788
14.	Ethnifit: Culturally-Aware 3D Fitting for Next-Gen Ethnic Fashion.	Amaar Shukiel Dar amaardar01@gmail.com
15.	Hop Boots	Shoaib ul Haq shoaibulhaqfarooq@gmail.com





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### Annexure II

S.No.	Prototype Title	Innovator Details
1.	Variable input constant power output heating device using soft control.	Faheem Farooq Amaan Abbas Rahat Shabir Shabir Ahmad Dar
2.	Design and development of AI/ML enabled, Sustainable Wireless Sensing Node for Forest Theft Detection and Prevention	Ayesha Qadri Sheeba Showkat Syed Moazam Jalali Syed Wahdat Kirmani
3.	Tethered Balloon Operated SOS Message Relay System with GPS for Emergency communications in Inaccessible areas	Siman Nazir Roonaq Rafiq Hafsa
4.	Wireless watertank Automation system.	Rouf ul Amin Murtaza Manzoor Dawood ahmad Haseeb Lateef
5.	Hi-Tech Greenhouse for Apiculture, Sustained Through Vertical Farming	Jaziba Aijaz Toiba jan
6.	Early Landslide Detection Using ISAC Technology	Abaan Ainun Haseeb Abrish Manzoor Ikraam Fazili
7.	ADASENSE: Image processing based glare reduction for night time driving	Zamina Lateef Shah Musaib Kashif Ishfaq Zuha Ayoub Khan



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8.	Portable Automated dyeing machine with color picker and mixer	Aiman Jan Mahdia Azad Sehrish Parvaiz Farhat Nissar
9.	Smart UV Based closed surface and air disinfection system in presence of human beings using computer vision	Taaha Manzoor Emaad Khan Muqadus Manzoor Numrah Zahoor
10.	Ultrasonic Radar based water body splice scanner for underwater object detection	Mir Jubair ul Rehman Mueen Mohi ud din Bhat Mufasir Nazir Towseef Ahmad
11.	Intelligent Wearable Guidance System for the Visually Impaired using Sensor Integration	Ziyam Wahid Zooman Javid Hammas Altaf Muneeb Ahmad Mir
12.	IR Powered Smart Spotlight System	Syed Murtaza Mohammad Nashid Muzain Bashir Sohail Yaseen
13.	Multiple Add-Ons for Vehicle and Personal Safety and Security	Sabit Mohammad Ateeb Shah Gufran Kirmani Basim Manzoor
14.	Personal item tracker using RF module	Hiba Riyaz
15.	Preventing Leachate infiltration By Developing a Composite Landfill Liner System Using Domestic Sludge And Recycled Concrete	Faiqa Furqan Bagdadi Bareen javed Nehal Rashid



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		Faizan Mushtaq Hamza Mahajan
16.	GIS based ground water spring potential assessment of srinagar in north western himalayas	Vajeha Sadaf Sahar Asra Tayeba
17.	Subgrade Stabilization Using brick waste based Geopolymer	Mubashir Ah Shah Inam ul Amin Danish Mohammad Lone Faraz Majeed Adfar Hassan
18.	Investigation into the structural performance of wooden frame (Dhajji Dewari) system under static load	Said Imtiyaz Zehran Fazili Samreen Ishfaq Muskaan Farooq Salim Aijaz Arif Ahmad
19.	Integrated study of solid waste management in srinagar city using SWOT, WARM, WAPLA and forecasting tools	Adnan Tahir Mohsin Nazir Sajid Mushtaq Arselan Lateef Saqib Bashir
20.	Utilization of plastic waste in soil subgrade	Muntaha Asma Shafia Faisal Saeed Adnan
21.	Geopolymer Compressed Bricks Stabilized With RHA (Rice Husk Ash)	Zeeshan Zehra Arshina Maheema Irtiga
22.	Sustainable subgrade stabilization: Brick waste Based Geopolymer	Mubashir Ah Shah Inam ul Amin Danish Mohammad Lone Faraz Majeed Adfar Hassan
23.	Landfill suitability analysis in North Western Himalayas	Arabia





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	using geospatial tools	Azan Sabira Sadaat Sofiya
24.	Soil stabilization using rice husk biochar	Abu Dawood Mehwish Manzoor MirFarah Arizoo Yawar Abbas Syed Mohsin Hussain
25.	Design and analysis of farmers tool kit	Munazah Mushtaq Mir Ahsan Imtiyaz Arbeena Nazir Safa Farooq Haseeb Shafi
26.	Innovative rain gutter system	Anam Shakeel Sumaira Shabeer Inayat Hussain Monis Shahnawaz
27.	Identification and analysis of cost effective sustainable and efficient insulating material	Faheem Kanth Inayatullah Javid Thoker Aqib Nazir Imaad Sidiqi Mohd Husaib Monis Mehraj
28.	Innovative power generation using harvested rain	Shahid Ganie Daraksha Bhat Shifan
29.	Design of wooden water wheel	Yasir Nabi Hashim Ali Danish Ahmed lone
30.	Hop boots (Hybrid systems of leaf and extension spring)	Zahid Mir



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### Annexure III

S. No.	Title	Application Number	Status
1.	A Carbon Monoxide detection (CO) Detection and Ventilation System	202111031357	<i>Granted</i>
2.	Winter water pipe defreezer using non-invasive induction heating.	202111060290	<i>Granted</i>
3.	An Automatic Pink Tea Vending Machine	202111057612	<i>Granted</i>
4.	Fuel Quality and Quantity Monitoring add on system.	202111050729	<i>Granted</i>
5.	Starch Free Rice cooker for Diabetic pateints	202111047064	<i>Granted</i>
6.	Internet based dual ambu bag resuscitator	202211020737	<i>Granted</i>
7.	Solar Electrified road for wireless charging on electric vehicles	202311054295	<i>Granted</i>
8.	A smart room heater configured to operate on a low voltage under blanket usage.	202111052990	<i>Granted</i>
9.	Adaptive headlight control with lamp deflection for vehicles	202111007280	<i>Granted</i>
10.	A novel eight amino acid sequence in S-6 kinase mediate insulin response	20241102279	<i>Published</i>
11.	A novel apparatus for environment sensing in tunnels, deep wells and manholes before repair works	202311001795	<i>Granted</i>



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12.	Bio- In formulations of endophytes isolated from stigmas of crocus sativus for the management of corm rot diseases of saffron	202411002290	<i>Published</i>
13.	Development of efficient and cost effective kit for isolation and purification of calcium oxalate crystals from plant tissues	202411002230	<i>Published</i>
14.	Automation of saffron drying based on Infra-red heating.	202411002255	<i>Published</i>
15.	Device for providing cooling and heating effects for therapeutic treatment	202311053914	<i>Published</i>
16.	Smart Lock system and operating method thereof	202111060348	<i>Published</i>
17.	Temperature controlled bottle with Integrated hydration monitoring capability	202311034675	<i>Published</i>
18.	Wearable Device for personal safety, security and health monitoring	202311043559	<i>Published</i>
19.	A Pillow System	202311057242	<i>Published</i>
20.	Method for turning the circuit open to protect from an electric shock	202311002678	<i>Published</i>
21.	Incubator System for Premature Infants	202311030117	<i>Granted</i>
22.	A novel 19 amino acid sequence in S-6 kinase is required for mediating its MTORC2- Dependent action	202411002267	<i>Published</i>
23.	Frugal Circuit Breaker	202411028737	<i>Granted</i>



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24.	Nano-Hydroxyapatite Reinforced Electro-Spun Chitosan Nano Fibrous Films For Food Packaging Applications	202411092722	<i>Published</i>
25.	Cleaning Device For Nuts	202411092723	<i>Published</i>
26.	Nanocapsules Of Seabuckthorn Polyphenols, Process Of Preparing Thereof, And Applications Thereof	202411092725	<i>Published</i>
27.	Electrospun Resistant Starch As A Scaffold For Delivery Of Probiotics	202411092724	<i>Published</i>
28.	Novel Nano fibrous Film Containing Polyphenols From Asplenium Falcatum And Process Of Preparing Thereof	202411092726	<i>Published</i>