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Annual Progress Report for RUSA/PM-USHA 2.0 Project

Section –A : Project Details

A1. Project Title : *“Entrepreneurship, Employability and Innovation Hub at Zakura Campus” (Entrepreneurship and Career Hub) (Centre for Innovation Incubation and Entrepreneurship, Institute of Technology, University of Kashmir, Zakura Campus).*

A2. Sanction Order No. & Date: *F(Allocation-1st)RUSA/PM-USHA/2020 dated 10.12.2020 and F(1st Ins-2nd Release) RUSA/PM-USHA/2021 dated 29.06.2021.*

A3. Name of Principal Investigator: Prof. Mohammad Tariq Banday.

A4. Department : *Centre for Innovation Incubation and Entrepreneurship, Institute of Technology, University of Kashmir, Zakura Campus*

A5. Address with Contact Nos. (Landline & Mobile) & E-mail.: *Centre for Innovation Incubation and Entrepreneurship (CIIE), Block C, Institute of Technology, University of Kashmir, Zakura Campus, Zakura – 190024 Mobile: +91-9419017887 email: ciie@uok.edu.in*

A6. Total Approved Cost: 418.00 Lacs.

A7. Amount Released: 106.00 Lacs.

A8. Approved Objectives of the Project:

- *To provide incubation support for prototype development for the ideas and indigenous innovative products of students and faculty members of Institute of Technology and other Departments of University of Kashmir.*
- *To develop indigenous and innovative technologies involving scientists and innovators in a problem-solving research and facilitating technology transfer from mind to market.*
- *To link innovators with technological, scientific and managerial experts through jointly Defined research programmes, exhibitions, training and lateral learning workshops etc. Augmenting innovations.*
- *To facilitate inventors and innovators for IPR management, including support for filing Patent applications within and outside India.*
- *To organize Entrepreneurship Awareness Camps, Entrepreneurship Development Programmes and Faculty Development Programmes for inculcating Science & Technology based entrepreneurial culture in the J&K. This will result into an increase in the employability of the engineering students of IOT and other unemployed youth and enable them establish their own SSI units.*
- *To organize seminars, conferences, workshops, scouting camps and training programmes related to technology innovation, technology transfer and technopreneurship development in J&K.*

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Section –B : Scientific and Technical Progress

B1. Progress made against the Approved Objectives, Targets & Timelines during the Reporting Period (1000-1500 words, data must be included in the form of figures and/or tables, wherever necessary).

Centre for Innovation, Incubation and Entrepreneurship (CIIE) funded by RUSA/PM-USHA 2.0 as a part of sanctioned project "Entrepreneurship, Employability and Innovation Hub at Zakura Campus", having following verticals encompassing around Innovation and Entrepreneurship related activities:

- *Intellectual Property Rights (IPR) management and Patent filing.*
- *Incubation support and Prototype development.*
- *Workshops/Exhibitions/Seminars and Boot camps on Innovation and Entrepreneurship.*
- *Short term skill development courses.*

Progress made against the above mentioned objectives is as follows:

S. No.	Objective		
I.	Intellectual Property Rights (IPR) management and Patent filing		
Number of Patents filed: 28 Number of Patents Published: 16 Number of Patents Granted: 12			
S. No.	Title	Application Number	Status
1.	A Carbon Monoxide detection (CO) Detection and Ventilation System	202111031357	Granted
2.	Winter water pipe defreezer using non-invasive induction heating.	202111060290	Granted
3.	An Automatic Pink Tea Vending Machine	202111057612	Granted
4.	Fuel Quality and Quantity Monitoring add on system.	202111050729	Granted
5.	Starch Free Rice cooker for Diabetic pateints	202111047064	Granted
6.	Internet based dual ambu bag resuscitator	202211020737	Granted
7.	Solar Electrified road for wireless charging on electric vehicles	202311054295	Granted
8.	A smart room heater configured to operate on a low voltage under blanket usage.	202111052990	Granted
9.	Adaptive headlight control with lamp deflection for vehicles	202111007280	Granted
10.	A novel eight amino acid sequence in S-6 kinase mediate insulin response	20241102279	Published
11.	A novel apparatus for environment sensing in tunnels, deep wells and manholes before repair works	202311001795	Granted

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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	Published
13.	Development of efficient and cost effective kit for isolation and purification of calcium oxalate crystals from plant tissues	202411002230	Published
14.	Automation of saffron drying based on Infra-red heating.	202411002255	Published
15.	Device for providing cooling and heating effects for therapeutic treatment	202311053914	Published
16.	Smart Lock system and operating method thereof	202111060348	Published
17.	Temperature controlled bottle with Integrated hydration monitoring capability	202311034675	Published
18.	Wearable Device for personal safety, security and health monitoring	202311043559	Published
19.	A Pillow System	202311057242	Published
20.	Method for turning the circuit open to protect from an electric shock	202311002678	Published
21.	Incubator System for Premature Infants	202311030117	Granted
22.	A novel 19 amino acid sequence in S-6 kinase is required for mediating its MTORC2- Dependent action	202411002267	Published
23.	Frugal Circuit Breaker	202411028737	Granted
24.	Nano-Hydroxyapatite Reinforced Electro-Spun Chitosan Nano Fibrous Films For Food Packaging Applications	202411092722	Published
25.	Cleaning Device For Nuts	202411092723	Published
26.	Nanocapsules Of Seabuckthorn Polyphenols, Process Of Preparing Thereof, And Applications Thereof	202411092725	Published
27.	Electrospun Resistant Starch As A Scaffold For Delivery Of Probiotics	202411092724	Published
28.	Novel Nano fibrous Film Containing Polyphenols From Asplenium Falcatum And Process Of Preparing Thereof	202411092726	Published
2. Incubation Support and Prototyping			
Innovations supported for prototype development: 10			
<ul style="list-style-type: none"> • CO Detection and Ventilation System. • An Automatic Chicken Coop • An Access control system • Motor Operated Grain Thrashing Machine. • Low Voltage water heater 			

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- Starch free rice cooker
- Smart room heater
- Winter water pipe defreezer
- Fuel quality and quantity monitoring and add on system
- A novel apparatus for environment sensing in tunnels, deep wells and manholes before repair works

3. Workshops/Exhibitions/Seminars and Boot camps on Innovation and Entrepreneurship conducted in the year 2024-25

Total: 77

S. No.	Activity	Date of Conduct
1.	Organize Session on "Lean Start-up & Minimum Viable Product / Business"- Boot Camp (or) Mentoring Session	30-07-2025
2.	Session on Accelerators/ Incubation -Opportunities for Students & Faculties – Early-Stage Entrepreneurs.	30-07-2025
3.	Session on Innovation / Prototype Validation – Converting Innovation into a Start-up or Session on Achieving "Value Proposition Fit" & "Business Fit"	01-08-2025
4.	Session on Angel Investment / VC Funding Opportunity for Early Stage Entrepreneurs.	30-07-2025
5.	Organize an Inter / Intra Institutional Start-up Competition and Reward Best Start-ups.	08-08-2025
6.	Session / Panel discussion with innovation and Start-up Ecosystem Enablers from the region / state / national level	18-08-2025
7.	Startup Summit: Demo Day / Exhibition of Start-Ups & Linkage with Innovation Ambassadors / Experts for Mentorship Support	21-08-2025
8.	Workshop on Effective Sales and Marketing Strategies for Entrepreneurs / Start-ups	05-01-2025
9.	Organizing Innovation & Entrepreneurship Outreach Program in Schools by engaging active Atal Tinkering Labs and School Innovation Council (SIC)	23-02-2025
10.	Expert talk on "Process of Innovation Development & Technology Readiness Level (TRL)" & "Commercialization of Lab Technologies & Tech-Transfer"	17-02-2025

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11.	Organize an Inter/ Intra Institutional Innovation Competition /Challenge/ Hackathon and Reward the Best Innovations and deposition in the Institution's YUKTI Innovation Repository	05-12-2024
12.	Field/ Exposure Visit to Pre-incubation units such as AICTE Idea Lab, Fab lab, Makers Space, Design Centers, City MSME clusters, workshops etc.	23-02-2025
13.	Innovation Showcase: Demo Day/ Exhibition/ Poster Presentation of Innovations/ Prototypes & linkage with Innovation Ambassadors/ Experts for Mentorship Support	10-02-2025
14.	Organize an Inter/ Intra Institutional Idea Competition/ Challenge/ Hackathon, and Reward the Best Ideas and deposition in the Institution's YUKTI Innovation Repository	12-11-2024
15.	Exposure and field visit for problem identification: Aligning with UN SDGs and Exploring Emerging Areas of Technologies	24-09-2024
16.	Idea Showcase: Demo Day/ Exhibition/ Poster Presentation of Ideas/ PoC & linkage with Innovation Ambassadors/ Experts for Mentorship Support	20-09-2024 to 21-09-2024
17.	Workshop on Design Thinking, Critical thinking and Innovation Design	24-02-2025
18.	My Story - Motivational Session by Successful Innovators	10-09-2024
19.	Workshop on "Entrepreneurship and Innovation as Career Opportunity"	06-11-2024
20.	Session on Problem Solving and Ideation Workshop	24-10-2024
21.	Session on Achieving Problem-Solution Fit & Product-Market Fit	25-12-2024
22.	From Idea to Impact - Motivational Session by Successful Entrepreneur/ Start-up Founder	14-10-2024
23.	Workshop on Intellectual Property Rights (IPRs) and IP management for start up	05-04-2025
24.	Basics of Intellectual Property Rights and Its Importance for Innovators and Entrepreneurs.	26-09-2024
25.	Field/ Exposure Visit to Incubation Unit/ Patent Facilitation Centre/ Technology Transfer Centre such as Atal Incubation Centre etc	08-05-2025
26.	Workshop on "Raising Capital and Managing Finance for Startups"	04-03-2025
27.	Session/ Workshop on Business Model Canvas (BMC)	16-04-2025
28.	Session on "How to plan for Start-up and legal & Ethical Steps"	03-04-2025

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29.	Workshop on Prototype / Process Design and Development	29-04-2025
30.	Organize an Inter / Intra Institutional Business Plan Competition and Reward the Best Innovations and deposition in the Institution's YUKTI Innovation Repository	14-05-2025
31.	B-Plan Pitch: Demo Day / Exhibition of Business Plans & linkage with Innovation Ambassadors/ Experts for Mentorship Support	08-05-2025
32.	Organizing Innovation & Entrepreneurship Outreach Program by involving ATLs/ SICs in Schools	28-08-2025
Celebration Activities		
1.	Innovation Day	15-10-2024
2.	National Education Day	11-11-2024
3.	National Entrepreneurship Day	09-11-2024
4.	National Science Day	28-02-2025
5.	National Startup Day	16-01-2025
6.	National Youth Day	12-01-2025
7.	National Energy Conservation Day(India)	14-12-2024
8.	National Pollution Control Day	02-12-2024
9.	National Technology Day	11-05-2025
10.	World Intellectual Property Day	26-04-2025
11.	World Creativity and Innovation Day	21-04-2025
12.	International Women's Day	08-03-2025
13.	World Environment Day	05-06-2025
14.	Independence Day- Celebrating Aazadi Ka Amritkal	15-08-2025
15.	5th Anniversary of National Education Policy (NEP) 2020	29-07-2025
16.	World Entrepreneurs Day	21-08-2025

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MIC Driven Activities		
1.	Session on MIC Programmes & Schemes with Dr. Abhay Jere	Attended by All IIC Members and Innovation Ambassadors of CIIE
2.	Building YUKTI Innovation Repositories in IIC Institutions: Productizing Campus Ideas & Boosting Innovation Funding for Startup Opportunities	
3.	Patent to Product (Srujanta Se Samruddhi)	
4.	Significance of IP Protection and Commercialization	
5.	Mark the Spot: Trademarks Talk: Masterclass on Trademarks and Geographical Indications	
6.	Copy That! Copyrights Uncovered: Masterclass on Copyrights	
7.	Discover more with Design Registrations: Masterclass on Patents and Design Registration	
8.	Inauguration of IP UTSAV and Celebration of World Creativity and Innovation Day	
9.	Podcast Series on "Rashtra Pratham" and "Celebrating Failures"	
10.	IIC Annual Report 2025	
Self-Driven Activities		
1.	1-Day Workshop: "IKIGAI for Entrepreneurs"	12-09-2024
2.	J&K Start-up Ecosystem: Challenges & Opportunities	01-10-2024
3.	3-Day Startup Ideation Workshop and 10-Day Immersive Winter Entrepreneur Cohort	23-01-2025
4.	Meet the Startup Founder- Insha Qazi	14-02-2025
5.	GENESIS EiR Q&A Live Session	24-02-2025

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6.	Meet the Startup Founder – Monis Khan	22-02-2025
7.	Meet the Start-up SEO Expert	28-02-2025
8.	Winter Entrepreneur Cohort	07-02-2025
9.	Faculty Development Program on Innovation and Entrepreneurship (An AICTE-approved training program for faculty members, officially funded by the All India Council for Technical Education (AICTE), with ₹350,000/- (in lakhs) funding received to organise the FDP at our institute.)	21-04-2025 to 25-04-2025 (5 Day Program)
10.	One-Day Awareness Workshop on ‘Cyber Frauds and the Sanchar Saathi Initiative’	15-04-2025
11.	Virtual Lab Workshop	22-05-2025
12.	Educational tour	22-05-2025
13.	Orientation Program: J&K Startup Idea Challenge 2025	26-08-2025
14.	The Playful Side of Mathematics: From Decimals to Speed Computation	25-08-2025
15.	“Say No to Drugs” – Oath Taking Ceremony towards a Nasha Mukh Bharat	14-08-2025
16.	One-Day Hands-On Startup Workshop “From Vision to Venture Creation”	15-07-2025
17.	J&K Startup Idea Challenge 2025 Bootcamp	02-09-2025
18.	Awareness session on EMF Emission, Cyber Frauds and Resent DoT/GoI Initiatives	18-09-2025
19.	One Day Workshop: Intellectual Property Rights (IPRs) Filing, Licensing & Commercialization	17-09-2025
4.	Infrastructure progress made in the year2024-25	
The Centre for Innovation, Incubation and Entrepreneurship (CIIE) at our institute has made significant strides in strengthening its infrastructure to foster innovation, research, and entrepreneurship.		

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1. Establishment of the 5G Use Case Lab:

CIIE has successfully 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.

2. e-Yantra Lab at CIIE:

- The CIIE proudly houses the e-Yantra Lab, a dedicated facility for Robotics and Embedded Systems focused on advancing innovation in automation, robotics, and smart technologies.
- Equipped with modern tools and resources, this lab provides students with hands-on exposure that bridges the gap between theory and practice.
- By encouraging project-based learning and experimentation, the e-Yantra Lab nurtures problem-solving, critical thinking, and technical skills among students.
- It serves as a platform for fostering creativity, interdisciplinary collaboration, and entrepreneurial mindsets, preparing students to address real-world challenges with innovative solutions.
- Equipments worth ₹3,963,699/- (in lakhs), was utilized to establish this lab, underlining

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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.*
- *To ensure the smooth operation and effective utilization of the e-Yantra Lab, there is also a need for dedicated Resource Persons (technical staff/mentors) to facilitate training, project guidance, and research activities.*

Through these landmark developments, CIIE continues to position itself as a hub of innovation and excellence, driving research, entrepreneurship, and technological advancements for the benefit of students, researchers, and the wider community.

B2. Summary and Conclusions of the Progress made so far upto 200 words.

- *Centre for Innovation, Incubation and Entrepreneurship (CIIE) funded by RUSA/PM-USHA 2.0 as a part of project titled "Entrepreneurship, Employability and Innovation Hub at Zakura Campus" undertakes Innovation and Entrepreneurship related activities across the Institution. Since its inception CIIE has secured 28 patents filed on behalf of the students and faculty of Institute of Technology University of Kashmir, out of which 16 patents have been published and 12 have been Granted in the Patent Journal of India. Such progress has benefited the University in national assessments like NAAC, NIRF etc., further creation of Intellectual property has unlocked the opportunities for young students to become Entrepreneurs by opening small scale units, to become job providers rather than job seekers.*
- *CIIE provides all important technical as well as financial support to the young students' innovators, grassroots Innovators by giving wings to their Ideas, to convert their ideas into products. CIIE has supported (10) Innovations for prototype development with a scope to convert those prototypes into actual products.*
- *Fostering the culture of Innovation, Creativity and Entrepreneurship CIIE conducted 75+ events (workshops/exhibitions/hackathons/outreaches) to aware and acknowledge the students in particular about Innovation and Entrepreneurship.*
- *CIIE has established 5G use case lab awarded by Department of Telecommunication, Government of India, a state-of-the-art facility aimed at exploring and developing innovative applications of 5G technology. The lab is equipped with cutting-edge infrastructure designed to foster research and experimentation in areas such as IoT, smart cities, healthcare, autonomous systems, and more. Its primary objective is to drive technological advancements by enabling students, researchers, and start-ups to build and test real-world 5G solutions, contributing to the region's innovation ecosystem and supporting the broader goals of digital transformation. In addition to the lab the Innovation start-up zones are proposed where Innovators/researchers can utilize the in-house space and work on the 5g technologies.*
- *The Centre for Innovation, Incubation and Entrepreneurship (CIIE) 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*

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challenges with innovative solutions.

- CIIE also serves as the Institution's Innovation Council (IIC), an initiative by the Ministry of Education's Innovation Cell and AICTE. It actively participates in flagship initiatives such as the IIC Annual Calendar for Innovation and Entrepreneurship (I&E) activities, the National Innovation Repository, and capacity-building programs like Innovation Ambassadors Training, Impact Lectures, and Mentor-Mentee Programs. Additionally, CIIE fosters collaboration and a linkage with schools equipped with Atal Tinkering Labs and contributes to innovation assessments such as the Annual Star Rating and ARIIA.

B3. Details of New Leads Obtained, if any:

- CIIE is actively fostering innovation by organizing brainstorming sessions, ideation workshops, and design thinking exercises to inspire students and generate new ideas. Over 50 innovative ideas have been pooled from both formal and informal sectors, including fields like engineering, life sciences, and food technology. These ideas are currently undergoing evaluation for potential patenting and prototyping.
- Additionally, CIIE is strengthening collaborations with industrial partners, organizations, and nationally reputed incubation centres to facilitate co-incubation opportunities and exchange programs, further enhancing the entrepreneurial ecosystem.
- CIIE aims to establish an AICTE Idea Lab to create a state-of-the-art facility for in-house fabrication, complemented by capacity-building programs. The proposal has been submitted to AICTE, and CIIE has successfully cleared the prerequisite screening and presentation stages. The centre is now awaiting final approval and sanction from AICTE.
- CIIE aims to establish NIDHI Inclusive Technology Business Incubators (NIDHI-iTBI), for which the proposal has been submitted to the DST; having successfully cleared the prerequisite screening and presentation stages. The Centre is now awaiting final approval and sanction from the DST.
- CIIE aims to submit proposals in response to calls for applications from various funding agencies, including Atal Innovation Mission, MSME, BIRAC, MeitY, DPIIT, and others.

B4. Details of Publications & Patents, if any:

- CIIE has secured 28 patents filed on behalf of the students and faculty of Institute of Technology University of Kashmir, and other departments of University, 12 patents have been granted in the Patent Journal of India by Indian patent office.

B5. New Collaboration set-up:

CIIE, University of Kashmir forged cooperation with prestigious organizations and Institutions of the country to work on Innovation Incubation models collectively which Includes:

- **National Innovation Foundation-India (NIF):** To promote grassroots innovations, student projects, and the commercialization of innovative ideas through mentorship, support, and facilitation of patent filing and protection.
- **Start-up Incubation and Innovation Centre (SIIC) – IIT Kanpur:** Partnered to provide incubation support, advanced training, and access to resources for start-ups and innovators from the institute, and attended SIIC innovation-related activities during the winter.
- **Telecommunication Consultants of India Limited (TCIL):** Working together to explore real-world telecommunication solutions, 5G technologies, and skill enhancement in communication systems, and arranged a User Acceptance Testing (UAT) program through CORAL.
- **Jammu & Kashmir Skill Development Mission (JKSDM):** Coordinating skill development programs, certifications, and industry-aligned training for students and youth.

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- **Jammu & Kashmir Entrepreneurship Development Institute (JKEDI):** Collaborated to foster entrepreneurship, start-up mentoring, and funding linkages for budding innovators. Recently, an Idea Bootcamp Challenge was conducted in collaboration with our institute to provide a platform for students and innovators to pitch and refine their ideas.
- **Foundation for Innovation and Technology Transfer (FITT) – IIT Delhi:** Partnering to facilitate technology transfer, research commercialization, and innovation-driven collaborations.
- **Ministry of Education's Innovation Cell (MIC) & AICTE:** Engaging to strengthen innovation and start-up culture on campus under national-level initiatives like IIC and ARIIA, and organized Faculty Development Programme (FDP)2025 to further build capacity..
- **MSME – Technology Development Centre:** Collaborating to support MSME-based technology development, training, and incubation of micro and small-scale innovations.
- **Confederation of Indian Industries (CII):** Partnering to connect students and innovators with industry networks, policy inputs, and collaborative projects

B6. Achievements worth Press coverage:

- CIIE has secured 28 patents filed on behalf of the students and faculty of Institute of Technology University of Kashmir, out of which 16 patents have been published and 12 have been Granted in the Patent Journal of India.
- Institute of Technology has been awarded 5G Case lab by Department of Telecommunication to support the start-ups in Telecommunication which is implemented by CIIE.
- Institute of Technology, University of Kashmir in collaboration with Department of Telecommunication (DoT), organized Awareness session on EMF Emissions, Cyber Safety, DoT Initiatives & Sanchar Mitra Scheme.

B7. Plan for the next year:

1. Establishment of Innovation and Incubation Facilities at CIIE

- **AICTE Idea Lab**
 - Cutting-edge facility with advanced fabrication tools, including 3D printers, laser cutters, and more.
 - Established under AICTE's initiative to foster creativity and prototyping skills.
- **Incubation Space**
 - Dedicated workspaces for entrepreneurs and innovators to develop and refine ideas.
 - Equipped with co-working areas, meeting rooms, and private offices.
- **State-of-the-Art Fabrication Lab**
 - Comprehensive prototyping and fabrication capabilities.
 - Facilitates the creation of functional prototypes and testing.

2. Creating an Inclusive Platform for Innovators and Entrepreneurs

- **Startup Incubation with Seed Grant Support**
 - Financial aid for early-stage startups to scale innovative ideas.
- **Patent Filing Assistance**
 - Comprehensive support for securing intellectual property rights, including patents, designs, and trademarks.
- **Technology Transfer Center**
 - Bridging innovation and industry by facilitating the commercialization of cutting-edge technologies.

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Section-C : Details of Grant Utilization by RUSA/PM-USHA 2.0

C1. Equipments Acquired by CIIE with Cost:

<i>S. No.</i>	<i>Item</i>	<i>Qty.</i>	<i>Cost.</i>
1.	HP all in one computer (i7)	01	79,975.00
2.	Dell all in one computer (i5)	02	129748.00
3.	Cyber power backup for Pc	03	26,874.00
4.	Laptop	01	89,000.00
5.	Projector	01	46,000.00
6.	Wi-Fi Router	01	4500.00
7.	HP laser printer	01	22,110.00
8.	Xerox machine	01	1,39975.00
Total			538,182.00

Infrastructure Established for 5G Lab and eYantra Lab by CIIE – Budget Summary:

<i>S. No.</i>	<i>Item</i>	<i>Qty.</i>	<i>Cost.</i>
1.	5G Lab Equipments	27	1,424,877.00
2.	5G Lab Furniture	-	379,990.00
3.	5G Lab Revolving Chairs	50	197,500.00
4.	Four Workstations for 5G Lab	04	998,500.00
5.	2 High End Workstations for 5G Lab	02	539,998.00
6.	Four Workstations for 5G Lab	04	999,996.00
7.	Modular Workstation Tables for 5G Lab	50	369,500.00
8.	e-Yantra Lab Equipments	04	944,000.00
9.	2 workstations for eYantra Lab	02	499,980.00
Total			6,354,341.00

Recurring Expenses by CIIE:

<i>S. No.</i>	<i>Item</i>	<i>Cost.</i>
1.	Human Resource (Manpower)	1,538,654.00
2.	Training Expenditure (skill Training Programs)	49,300.00
3.	Patent Filling/ Incubation support	484,142.00
4.	Workshops/ Seminars etc	6,92,810.00
5.	Miscellaneous	1,53,150.00
Total		2,918,056.00

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C2. Augmentation of Lab/facilities through RUSA/PM-USHA 2.0 grant.

In the direction of establishing Design and Fabrication lab at CIIE, following steps have been taken:

- Procurement of lab equipments for Fabrication lab incurring an expenditure of **Rs.19.00 Lakhs** stands approved by authorities, subsequently purchase process was initiated. The procurement order is in process of negotiation with L1 bidder.
- Recruitment of skilled Resource Persons and technical experts for 5G use Case Lab and e-Yantra Lab to guide students, researchers, and start-ups in utilizing the lab's infrastructure effectively.

C3. Manpower Staffing and Expenditure Details:

- The total expenditure on account of the monthly emolument for the technical human resources (one each for mechanical, electronics and Computer Science) engaged at CIIE, from their appointment till August 2025, is **Rs. 205,998/-**

C4. Details of Recurring Expenditure:

- Patent filing and IPR Management Expenditure **Rs. 484,142/-** which involve filing charges, prosecuting charges of patent applications.
- Workshops/Exhibitions/Hackathons/Exposure Visits conducted by CIIE incurring an expenditure of **Rs. 6,92,810/-**
- **Skill Development and Trainings:**
Expenditure for successful completion of two (02) skill course viz; Six weeks skill course on Python and Six weeks skill course on solid modelling incurring an expenditure of **Rs 49,300/-**.
- Monthly emolument for Tech HR engaged at CIIE @ Rs.20,000/month, the total expenditure till August 2025 is **Rs. 1,538,654/-**.
- Miscellaneous expenditure on account of procurement of stationary, refreshment, consumables incurring an amount of **Rs.1,53,150/-**

C5. Financial Requirements for the Next Year with Justification:

S.no	Objective	Financial Requirements	Justification
Non-Recurring Expenditure			
1.	Establishment of AICTE Idea lab (Equipments)	Rs. 110.00 Lacs	Procurement of advanced equipments like 3D printer, laser cutter, milling, lathes and tools required for prototyping. Computers workstations required for the functioning.
2.	Procurement of furniture and fittings for IDEA lab	Rs. 30.00 Lacs	Procurement of computers with latest configuration to run advanced software's like Solid work, Ansys, python for skill courses.

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3.	ICT-related infrastructure for Incubation	Rs. 40.00 Lacs	Innovations in Engineering is highly dependent on high end workstations and software
		Total	180.00 Lacs
Recurring Expenditure			
1.	Patent filing and IPR Management	Rs. 30.00 Lacs	Filing of patents, IPR management. Filing at least 20 patent applications annually.
2.	Incubation support and Prototyping, Seed Funding	Rs. 65.00 Lacs	Seed grant to Innovators to convert their ideas into MVP (Minimum Viable product) up to 5 Lac per Innovation, delivering 5-8 annually.
3.	Workshops/Seminars/Exhibitions/outreaches/ Hackathons as per IIC, AICTE Calender.	Rs. 20.00 Lacs	Organizing workshops, seminars outreaches, exhibitions as per approved objective to aware the masses and create insights about Innovation and Startup Culture in UT of J&k.
4.	Skill Development Courses EDPs/MDPs/FDPs etc.	Rs. 10.00 Lacs	Organizing short term courses to enhance the employability of students and that of the local youth, to equip them with advanced skills so that they can become self-reliant.
5.	Salary for Technical Human Resource	Rs. 10.00 Lacs	Monthly emolument of technical Human Resource (03) engaged at CIIE, proposed @ Rs.20000/ month. Having got a sufficient experience of in Innovation and Entrepreneurship, as per requirement and nature of work. Additionally engagement of Office staff on consolidated amount is proposed.

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6.	Miscellaneous/ Contingency /travel etc.	Rs. 10.00 Lacs	Includes stationary items, catridges etc.
Total			145.00 Lacs
Total Proposed Expenditure for next Year			Rs.312.00 Lacs

Section-D : For Skill Projects

D1. Number of skill course/outreach programmes conducted:

- CIIE conducted (03) skill development programmes for students of Institute of technology

S. No.	Programme Title	Beneficiaries
1.	Winter Internship Program on Civil Engineering Practices from Surveying to Cost Estimation	60
2.	One day Seminar on Structural Failures in steel structure	30
3.	One day Workshop on STAAD Pro 60	60

D2. Details of Target Groups trained:

Skill courses conducted at CIIE benefited trainees from various branches of the Institute of Technology, Zakura Campus, including Mechanical, Electronics, Electrical, and Civil Engineering, as well as local youth. These courses helped participants acquire in-demand skills, enhancing their employability and preparing them for industry-specific challenges. By equipping them with practical knowledge and expertise, the initiative contributed to bridging the skills gap and aligning the training programs with the needs of the industry.

D3. Outcome of the programmes viz-a-viz Jobs/Employment:

The conduct of Skill Courses benefited the trainees to get placement in reputed companies like Indus Tower, Vidhanta, TASL, Ashok Leyland, BEL, 30+ trainees got placed in the year 2022-23 ,2023-24 and 2024-25.

D4. Number of community Centers Established: -NA-

D5. Certification Mechanism:

The University of Kashmir being the parent institution is competent to provide certification and the collaborating agencies (if any) are the part of certification mechanism.

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