UNIVERSITY OF KASHMIR

ANNUAL REPORT

2022-23

CENTRE FOR INNOVATION, INCUBATION ANS ENTREPRENEURSHIP (CIIE)

University of Kashmir,

VISION

To be a world class University committed to create and disseminate knowledge for human development and welfare

MISSION

"To foster and augment the development of innovative ideas which can translate into new business models, better products and improved services."

Chairman's Message

Innovations being vital in the contemporary era need to be evolved and supported from the very basic levels and that's Centre for Innovation, Incubation and Entrepreneurship(CIIE) has been established at University of Kashmir with a vision to inspire, encourage and nurture the students and innovators by exploring to new ideas and processes by inculcating in students a sense of become potential innovators and entrepreneurs thereby leading them towards a successful journey of becoming job providers rather than being job seekers in the market.

CIIE since its very inception has been striving to successfully provide an enabling ecosystem with the eventually succour innovations from the scratch and lead innovators with the thrill and skill of becoming assets to the nation. Wishing CIIE team success in their future endeavors.

About CIIE:

Established as a Centre in the University of Kashmir in March 2021 as "Centre for Innovation, Incubation and Entrepreneurship promotes Innovation, Incubation and encourages entrepreneurship primarily among students of Institute of Technology

Prof. Gowhar B Vakil
Chairman CIIE

besides catering to entrepreneurial challenges of youth in the area thus equipping them with various useful skills towards becoming self-sufficient.

Mission of CIIE:

 " *To establish a state of art centre for technology innovation and incubation for transforming technological and innovative ideas into working products and business ventures thereby empowering youth to become job providers".*

Objectives of CIIE:

- *Facilitate Inventors, Innovators for IPR Management* including support for filing patent applications within and outside India.
- *Organize Entrepreneurship awareness camps, Entrepreneurship Development programmes and Faculty Development programmes* for inculcating Science and Technology based entrepreneurial culture in the Jammu and Kashmir.
- *Link Innovators with Technological scientific and managerial experts* through jointly defined research programme, exhibitions, training and lateral learning workshops etc. for augmenting innovations.

- *Incubation support* for prototype development for ideas and indigenous Innovative Entrepreneurship.
- *Development* of Indigenous and innovative technologies, involving scientists and innovators in a problem-solving research and facilitating technology transfer from mind to market.
- *Organize seminars, conferences, workshops, scouting camps* and

Modes of Implementation of CIIE:
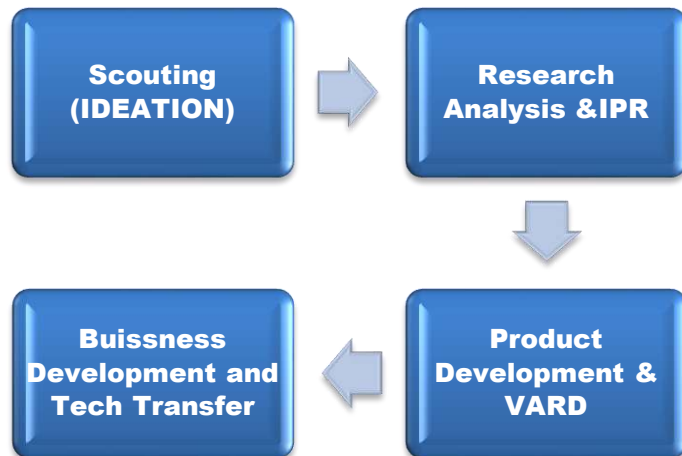
1. *Scouting, Documentation and Awareness Campaign.*
Scouting involve extensive fieldwork and travel in rural and urban areas of J&K and organize awareness programs (IDEATHON) on technology Innovation and patenting in different villages, colleges, schools, institutions across the region.

2. *Research,*
   Verifyin... ...novators and screen out merito...

3. *Product I... ... Addition.*
   Prototy... ...ototyping facility, including ... ...pment to develop prototype...
   Testing, benchmarking, value addition and scaling up of innovative ideas to be carried out.

4. *Business Development and Technology Transfer.*
   Organize Exhibitions and business development meetings to effectively take the technologies from lab to market

Constitution of IIC council of CIIE:

Prof. Gowhar B Vakil
Chairman CIIE

Dr. Bilal Ahmad Malik
Coordinator CIIE

Ms. Uzma Maqbool
Technical Assistant

Mr. Junaid Ayoub Pandith
Technical Assistant

A. Highlight Achievements (Narrative/Graphical/tabular representation)

S. No.	Achievements	Qty.
1)	Different types of I&E and IPR activities Conducted	25+
2)	No. of student's & faculty ideas generated	48
3)	No. of student's & faculty Innovation/prototypes developed	15
4)	No. of IPs generated, published and granted	21 – Published 05- Granted

5)	No. of Student & Faculty Start-ups/Ventures established.	04
6)	Amount spent on promotion and awareness generation on Innovation Entrepreneurship in the campus	17LAKH
7)	Amount grant or fund supported to student & Faculty lead Innovations,start-ups and IPR	16 Lakh
8)	No. of Technology Transfer and Commercialisation happened	0

B. Brief mention of key functionaries at the IIC Institute • President • Vice President • Convenor • Coordinators etc

Total No. of IIC Members		
S. NO.	Resource Strength	Role
1.	**Prof. Gowhar Bashir,** Director IOT & Chairman CIIE	President
2.	**Dr. Bilal Ahmad Malik,** Sr. Scientific Officer & Coordinator CIIE	Convener & Coordinator
3.	**Dr. Junaid Hassan Masoodi** Coordinator Mechanical Engineeering	Member

4.	**Dr. Abdul Mueed Hafiz** Coordinator Electronics. & Comm. Engineeering	Social Media Coordinator
5.	**Er. Rouf ul alam** Sr. Assistant Professor, Dept. of ECE	Innovation Activity Coordinator
6.	**Er Adil Mudasir** Coordinator Civil Engineeering	IPR Activity Coordinator
7.	**Mohd Aarish Shaheen** Coordinator Electrical Engineeering	ARIIA Coordinator
8.	**Dr. Farooq Ahmad Najar** Assistant Professor, Dept. of ME	ARIIA Coordinator
9.	**Er. Qazi Junaid** Assistant Professor, Dept. of ME	Startup Activity Coordinator
10.	**Ubaid Bashir Qureshi** Assistant Professor, Dept. of EE	Internship Activity Coordinator
11.	**Uzma Maqbool** **Technical Assistant ECE**	Member
12.	**Junaid Ayub Pandith** **Technical Assistant ME**	Member

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

S. No.	Resource strength (humancapital and Physical capital) of the IIC institution	Qty.
1.	Total No. of IIC Members	12
2.	Total No. of IAs	13
3.	Total No. of faculty Mentors From Portal	04

4.	Pre-Incubation Units, If any	01
5.	Incubation Units, If any	02
6.	IP Facilitation Unit, If any	01

D). Highlight Facilities, Infrastructure of Pre-Incubation & Incubation kind and Student bodies/clubs engaged in promotion of Innovation and Entrepreneurship in the campus.

- University of Kashmir has Pre-incubation Unit established as Centre for Innovation, Incubation and Entrepreneurship (CIIE) having space up to 3000 sq.ft, which includes office space, Design and Fabrication Lab, Technical Training Lab.
- University of Kashmir has an Incubation centre NewGen IEDC having space 2000 sq.ft which includes Incubation space and IT infrastructure.
- University of Kashmir is having collaboration with **National Innovation Foundation-India, SIIC,IIT Kanpur, JK Science and Technolgy** ,Innovation council for promotion of innovation and entrepreneurial culture:

	Incubation Unit Details				
S.No.	Incubation Unit Name	Incubation Incharge Name	Incubation Incharge contact	Incubation Incharge email	Funding Agency/Schemes Available
1	Centre for Innovation, Incubation and Entrepreneurship	Prof. GowharBashir	9419017887	gowphy@kashmiruniversity.ac.in	Other Central/State Government
2.	NewGen IEDC	Dr. Sartaj Hussain	9906664559	sartaj@kashmiruniversity.ac.in	MIETY

Pre-Incubation Unit Details					
S.No.	Pre-Incubation Unit Name	Incubation Incharge Name	Incubation Incharge contact	Incubation Incharge email	Funding Agency/Schemes Available
1	Centre for Innovation, Incubation and Entrepreneurship	Prof. GowharBashir	9419017887	gowphy@kashmiruniversity.ac.in	Other Central/State Government
IPR Cell					
S.No.	IPR Cell Name	Incubation Incharge Name	Incubation Incharge contact	Incubation Incharge email	Funding Agency/Schemes Available
1	Centre for Innovation, Incubation and Entrepreneurship	Prof. GowharBashir	9419017887	gowphy@kashmiruniversity.ac.in	Other Central/State Government
2.	NewGen IEDC	Dr. Anna Bashir	7006269170	-	MIETY

E. Achievements:

S. No.	Achievements	Qty.
1)	Different types of I&E and IPR activities Conducted	25+
2)	No. of student's & faculty ideas generated	48

3)	No. of student's & faculty Innovation/prototypes developed	15
4)	No. of IPs generated, published and granted	15 – Published 06- Granted
5)	No. of Student & Faculty Start-ups/Ventures established.	04
6)	Amount spent on promotion and awareness generation on Innovation Entrepreneurship in the campus	17LAKH
7)	Amount grant or fund supported to student & Faculty lead Innovations,start-ups and IPR	16 Lakh
8)	No. of Technology Transfer and Commercialisation happened	0

F. Highlight few best IIC Faculty/Student members and their achievements/Rewarded for the innovations at different forum

S.no.	Best IIC Faculty/Student members	Achievements/Rewarded for the innovations
1.	Dr. Bilal Ahmad Malik (Faculty) *Sr. Scientific Officer, UoK*	Rewarded by Hon'ble Lt. Governor J&K Shri. Manoj Sinha ji at SKICC during Kashmir Expo for Innovation titled **Starch free Rice Cooker** (Patent Granted)
2.	**Student members** 1. Mr.Aqib Rashid Phambda 2. Mr.Talib Qardi 3. Ms. Insha	Rewarded with startup fund at JKEDI Pampore during Leadership Summit 2023 for Innovation: **Automatic Chicken Coop** (Patent published)

3.	**Student members** 1. Ms. Yousman Zahoor 2. Ms. Qaifa Ibrahim	Selected as Accelerators at JKEDI Pampore during Leadership Summit 2023 for Innovation: **Pink Tea Vending Machine** (Patent Granted)
4.	Mr. Rouf Ul alam Bhat (Faculty) *Sr. Assistant Professor (ECE),UoK*	Rewarded by Hon'ble Vice Chancellor University of Kashmir Prof. Nilofer Khan during Techfet Roshnass 2022 for Innovatio titled **:** 1. **Fuel Quality and Quantity Monitoring Add on System** (Patent Granted) & 2. **Water Pipe Defreeze using Non Invasive Induction heating**(Patent Granted)
5.	**Student members** 1. Mr. Manan Malik 2. Miss Farhana Fayaz	**In**novation Titled: **CO Detection and Ventilation system** (Patent Granted) Grant grant of Rs. 5 Lakh

G. **Highlight selected best Innovations & images with mention of inventor/innovation name**

Innovator	Innovation	Institution	Patent No.
Jehangeer Hameed , Sajid Noor, Azra ,Areez koul.	Starch Free Rice cooker for Diabetic Pateints	Dept. of Electronics, University of kashmir	202111050729

Innovator	Innovation	Patent No.
Simran Hameed, Bazila and others	Low voltage under blanket Room heater	202111052990

Innovator	Innovation	Patent No.
Manan Sajad	CO Detection and Ventillation System	426153

Innovator	Innovation	Patent App. No.
Sajid Noor, Jehangeer Hameed	Internet BasedDual Ambu Bag Resusicator	202211020737

H. List of break through Innovations / Technology Developed at the institute (2-3 technology with 2-3 lines about technology and innovation:

a) Name of Innovation: Starch free rice cooker:

The present invention provides a starch-free rice cooker for diabetic patients enabled to cook starch-free rice by sucking out the starch from the starch-free rice cooker.It is enabled to receive input commands from a mobile computing device to cook rice for a predetermined number of person(s). It receives rice and water from prefilled rice container and water container respectively. A warm and/ or cook button is enabled to start and/ or stop the rice cooking process& a third servo motor having propellers and a stirring rod is enabled to stir the mixture of rice and water. The mobile computing device receives acknowledgments throughout the cooking process.

Patent application number**: 202111047064**
Current status: **GRANTED**
Innovators: **1. Jehangir Hameed, 2. Sajid Noor, 3. Ariez Koul, 4.Imran Nazir.**

b) Name of Innovation: *Automatic pink tea wending Machine:*
Patent application number : 202111057612
Current status: GRANTED
Innovators: Qaaifa & Yousman
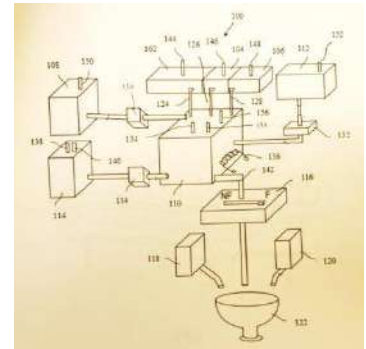
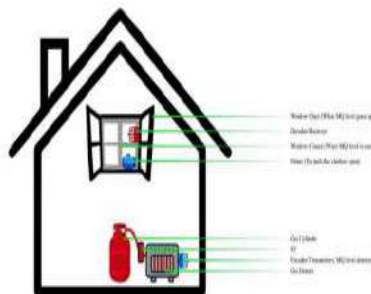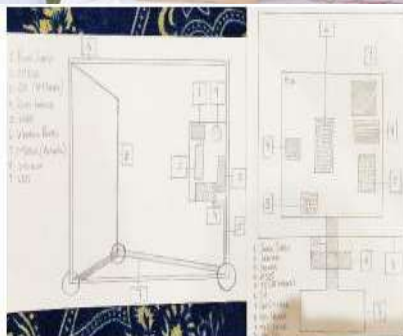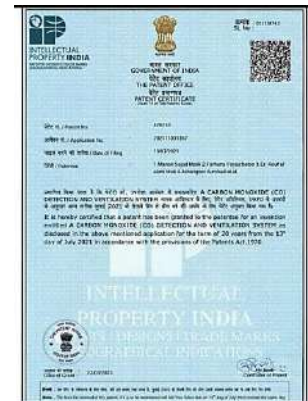*c)* **Name of Innovation:** *CO Detection and Ventilation system*
Patent application number : 201811009003
Current status: GRANTED
Innovators: Manan Malik & Farhana Batoo

University of Kashmir

d) **Name of Innovation:** *Fuel Quality and Quantity Monitoring Add on System*

Patent application number: 202111050729
Current status: GRANTED
Innovator:Er. Rouf Ul Alam

e) Name of Innovation: Smart Room heater

Patent application number: 202111052990
Current status: GRANTED
Innovator:1. Simran Hameed, 2. Bazila Farooq 3. Bazillah Sameen 4. Seerat Bashir 5. Wasifa Saleem 6. Rouf ul Alam Bhat 7. Jahangeer Aurshad

With technology driving every part of life in every corner of the world, there is still a long way to go as long as third world countries are concerned, because the technological services being provided lack in many aspects. The same goes for the power supply distribution, wherein under load conditions, power supply voltage gets reduced to a very low value. The overload conditions like peak time and winter add to the problems. The electrical heating solutions conductive, convective or radiative although available are predominantly high wattage loads and don't operate on lower voltages. Keeping the problems in view, an induction based low power hot air blower design is proposed, that includes an induction coil (3), inductive plate (4) as heating element. External power supply when comes in contact with blower circuitry, it provides electric current to the induction element (3) such that inductive plate(4) heats up and in result the cool air that enters through opening (1) heats up and we get warm air streams through opening (5).

f) Automatic Chicken-Coop

The chicken coop consists of an automatic door that opens and closes automatically by sensing day, night and weather conditions to keep the flock safe. It comprises of an automatic chicken waterer that has the ability of self cleaning and to change the drinking water, So that the water remains hygienic. It has the ability to monitor the temperature of the coop, for the safety of the flock & has the ability to auto feed the chickens, so that the chickens are always fed on time

L to R
1. **Sameen Mushtaq kawoosa**
2. **Insha sultan**
3. **Aqib Rashid**
4. **Talib qadri**
5. **Farzan altaf**
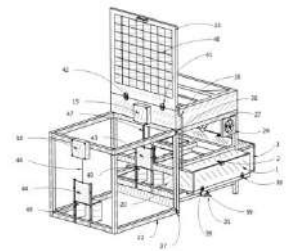
g) Name of Innovation: Fugal Circuit Breaker

(High Accuracy Overload& Short Circuit Protection)
The proposed design has a variable range of current tripping capability that normal circuit breakers cant, it can trip at variable values which can be applied to lower and higher loads with ease without problem of saturation overloading.

INNOVATORS:
1. **Amaan Abaas (BTECH ECE 2nd Sem)**
2. **Aroosa Rasool (BTECH ECE 4th Sem)**
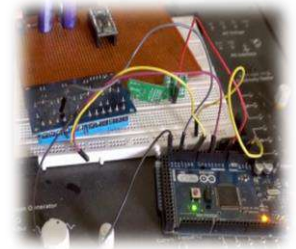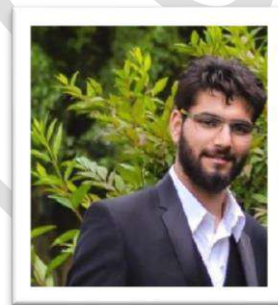
J. Participation of IIC-institute in various programs of Central and Stage Govt. Highlighting specially for the schemes or programs:

Institutions Innovation Council University of Kashmir has participated in various programs as follows:

- Participated in **ARIIA 2021 and NIRF-2023** under Promising band and Participation categories.
- **NISP**: Institution Innovation council has successfully adopted NISP, and itsimplementation is under process.
- **SIH 2022:** not Participated, SIH 2023 participated.
- **YUKTI 2.0** National Innovation Contest 2023: Participated(20 Ideas submitted on Yukti portal)
- **KAPILA :** Participated.
-

K. Detail of Social Media & Connections of IIC institute:

Instagram: university0fkashmir
1. Facebook: https://www.facebook.com/prcuok
2. Twitter: https://twitter.com/UnivofKashmir
3. Instagram: https://www.instagram.com/university0fkashmir/

4. LinkedIn: https://www.linkedin.com/school/880357/admin/feed/posts/
5. YouTube: www.youtube.com/@KashmirUniversityQUEST
6. Whatsapp Channel: https://whatsapp.com/channel/0029VaHJq12IHph8Nvo3HX13

J. Participation of in various programs of Central and Stage Govt. Highlighting specially for the schemes or programs:

Institutions Innovation Council University of Kashmir has participated in various programs as follows:

- Participated in **ARIIA 2021 and NIRF-2023** under Promising band and Participation categories.
- **NISP**: Institution Innovation council has successfully adopted NISP, and itsimplementation is under process.
- **YUKTI 2.0** National Innovation Contest 2023: Participated(20 Ideas submitted on Yukti portal)
- **KAPILA :** Participated.

Activities under CIIE:

➕ *Workshops/Seminar/Exhibition/Training Program:*

1. *One-Day Innovation Exhibition cum Innovators' meet:*

A day long Innovation Exhibition was organized to showcase the Innovative technologies and providing a chance for young students to interact with innovators of national repute. Event witnessed participation from IOT students, different colleges in the vicinity.

Vice-Chancellor Prof Nilofer Khan inaugurated the day-long programme, organised in collaboration with National Innovation Foundation (NIF) India. Addressing students and officers on the occassion,

Prof Nilofer said the University of Kashmir has set itself on the path of creating a robust innovation ecosystem that actively contributes to J&K's economic growth trajectory. Earlier, the Vice-Chancellor inspected each innovation undertaken by CIIE as well as the NIF Cell. Chairman CIIE and Director IOT Zakura Prof Gowhar Bashir Vakil delivered the welcome address highlighting the importance of the event. Miss Uzma Maqbool gave power-point presentation about CIIE highlighting their works, and programmes in the pipeline.

Miss Uzma Maqbool & Mr.Junaid Ayoub conducted proceedings of the inaugural session, which, among others, was attended by senior KU administrators and academics including Dean School of Engineering Prof Muzaffar Andrabi, Dean Students Welfare Prof Aneesa Shafi, Controller of Examinations Dr Majid Zaman, Media Advisor and Director EMRC Dr Salema Jan, Director Admissions Prof Farooq A Mir, HOD Environmental Science Prof Fayaz Ahmad, besides faculty, students and officials of IOT, CIIE and NIF.

Objectives of Exhibition:

➢ Innovation exhibition cum Innovators' meet is going to be organised by CIIE, IOT in collaboration with NIF primarily targeting students of the Institute of Technology & group of students from schools in the local area who have been invited to attend the Exhibition. This is aimed at encouraging their acumen to creativity and innovation

➢ More than 250 visitors are expected to attend the exhibition

➢ Providing a platform for young and inquisitive minds to draw inspiration from innovators & their respective Innovations.

The Exhibition would help:

        o To offer an opportunity for the top innovators from around the J&K to present their work to members of the diverse and high-level audience attending the Exhibition.

- To raise awareness of key technological solutions and the call for Innovations initiative and
- To contribute to networking between relevant stakeholders and facilitating development, transfer and dissemination of relevant technologies for the SDGs.
- To provide participants an opportunity to exhibit, a unique chance to interact with acclaimed and award winning innovators drawn from across the length and breadth of the region.

- In Exhibiting & showcasing Innovations of various innovators that have been scouted by CIIE, Institute of Technology & NIF Cell-JK, and who have been acclaimed and awarded at various levels including the national level for their unique innovation and products.
- Showcasing Innovations from Engineering students of Institute of Technology, Zakura Campus from various disciplines & associated colleges of University of Kashmir.
- Organising Face to face interaction between Innovators of repute with students of Institute of Technology, students from Associated colleges of University of Kashmir and schools etc, with the aim to inculcating spirit of creativity among students

Scope of the Exhibition
 The exhibition will include following:
- Products and prototypes as a result of research and development of Institutes and universities
- Inventions from research institutes, universities and individual inventors
- Display of inventions
- Awareness creation and demonstration on new and emerging technologies

Outcome
- A list of concrete, concise and understandable examples of how technologies already contribute and/or can potentially contribute to implementation in diverse circumstances can be presented
- Identification of key stakeholders and technology champions for potential partnerships around proposed technological solutions; and
- Launching of a process that will assist with scaling-up technological solutions proposed through the Call for Innovations through matchmaking and networking.

Venue:
The proposed exhibition was held on September 7, 2022 at
 Block-c, Institute of Technology, University of Kashmir Zakura Campus.

2. *National Workshop on IPR:*

CIIE organised a National IPR Workshop in hybrid mode at Conference Hall of Block C IOT, University of Kashmir, Zakura Campus. Workshop on Intellectual property rights was organized to aware the students of IOT zakura and faculty about basics of patent, trade mark, Design, Copy Rights and Geographical identification.

Workshop was conducted in both online and offline mode witnessed huge participation of students.

The keynote speaker of the workshop Mr. Mirza Mohammad Idrees ul haq Beigh , a certified professional from World intellectual property organisation (WIPO), Law school of Stanford University and RGNIIPM, Indian Patent office enlightened the audience with international techniques required for inventing high end things, various types of IPR's , filing procedures, and commercialisation of IPR's.

Mr. Mirza beigh also highlighted the need of Collective Trademark in addition to already GI Tagged Kashmiri products like Saffron, Khatamband, carpets etc for quality maintenance and fair competition in the international and national market.

"The IPR global battle for Kashmiri products must be taken seriously. We are in the

time when we see the word "Kashmir" trademarked in Romanian IP Office (OSIM) by Fabryki Mebli Forte SA, a Polish furniture company. we can't sit silent, we are answerable to our future alpha and beta generations regarding our walnut and other type of furniture industries, we must create an atmosphere where not only "Kashmir" Word is protected round the globe but Kashmiri origin products too like "Kangir , pheran, pulhor etc. " are due protected within the frameworks of IPR laws and TRIPS" added Mirza Beigh.

Prof. Gowhar Bashir Vakil, Chairman, Centre for Innovation Incubation and Entrepreneurship, Institute of Technology, University Of Kashmir headed the workshop and talked about the difference between Innovation and Invention, in person discussed various queries of student of IOT attending the workshop. He also mentioned the facility of Incubation support that CIIE is providing and establishment of in house prototype facilities i.e., Fablab. Highlighting the need for adaption of IP policy for the benefit of University, and Innovators. He was impressed upon to organise such workshops frequently for the benefit of the primarily for the Student of IOT and among the masses. CEO, Edu Plan Consultants, Mr. Faheem stressed upon to "improve the IPR filing graph" by including IPR Policy in all universities across UT of J&K being the poorer among the all states/UT as it's the need of the hour.

3. *Techfest Roshnaas-2022*

5 days techno-cultural event in collaboration with IOT, Zakura with an objective to bring the student community from various schools, collages on a single platform to interact with Innovators, Entrepreneurs, Scholars, etc.

Events covered by CIIE:

- *Innovative Project display Exhibition*.
- *Call for Innovative Ideas.*
- *Workshop on 3d-Solid Modeling, Electronic Prototyping using Audino, Leveling and surveying, Innovation and Entrepreneurship as career opportunity.*
- *Expert talks (Seminars) on importance of IPR/Patent Filling, Entrepreneurship as career, opportunities for higher studies abroad.*

a) *Innovative Project display Exhibition:*
In Exhibiting & showcasing Innovations of various innovators that have been scouted by CIIE, Institute of Technology & NIF Cell-JK, and who have been acclaimed and awarded at various levels including the national level for their unique innovation and products

b) Appreciation to the patented Products:
    (1. Starch Free Rice Cooker
    (2. Fuel quality monitoring device.

c) Workshop on Entrepreneurship as Career opportunity:
An expert from JKEDI Mr. Imtiyaz Ahad (Startup Coordinator JKEDI) was invited as Resource Person for workshop on the said topic for 3 days . this help students to keenly observe the need of the hour and how innovation can lead to Entrepreneurship.
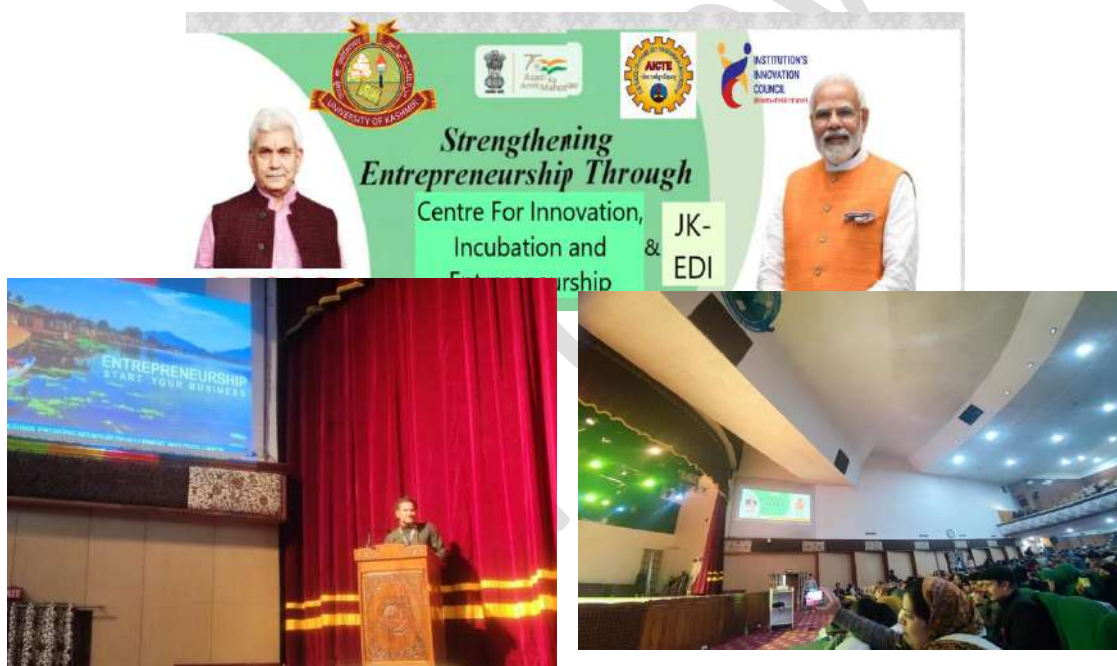
d) Opportunities for higher studies abroad:
An expert from Edu Plan Consultants was invited as Resource person for 3 days to help students in hunting down scholarship for Abroad Studies. Mr. Aqib Mohammad

e) *Workshop on* <u>*3d-Solid Modeling, Electronic Prototyping*</u> *using Audino, Leveling and surveying, Innovation and Entrepreneurship as career opportunity.*

f) *Call for Innovative Ideas:*

4. *CIIE participation in Kashmir Expo-2022 (Startups for Livelihood).*

- CIIE participated in Kashmir Expo-2022 (Startups for livelihood) organized by DST, Govt.of India.
- Students from IOT Zakura, participated in the Expo and Interacted with Entrepreneurs, Startups of national repute.
- Several Innovators showcased their Innovative project for startup funds
- Hon'ble Union Minister of State for Prime Minister's Office and Personnel, Public Grievances and Pensions, Department of Atomic Energy and Space, Dr. Jitendra Singh inaugurated the three-day 'Kashmir Expo Start-ups for Livelihood' event on 09 November 2022.
- The expo being organized under the aegis of the Department of Science and Technology, Government of India at Sher-e-Kashmir International Convention Centre, Srinagar in association with National Innovation Foundation-India. Manoj Sinha, LG represented the Jammu and Kashmir governments at the event. About 55 start-ups from across the country participated in this start-up exhibition being organized in the conference center. In the three-day exhibition, youth who have started with innovation in various fields had also came to display their products, technology, and services.

- CIIE supported Innovation Starch Free rice cooker team led by Dr. Bilal Ahmad Malik (Sr. Scientific officer IOT Zakura) was felicitated for patent grant by Honorable Lieutenant Governor UT of J&K.

5. *Webinar on Biotechnology Ignition Grant by BIRAC:*

An outreach program on BIG was organized in collaboration with STIIC-IIT Kanpur and Skuast-k, webinar was attended by various faculty members of the varsity along with scholars from CIRI (Centre for Inter Disciplinary, Research and Innovation.

6. *Seminar for Celebrating World Intellectual Property Rights Day:*

CIIE celebrated World IP day with an aim to highlight the importance & understanding of IPR & to make Students of IOT know how intellectual property (IP) rights encourage **Innovation and Creativity.**

CIIE puts innovation and supports the efforts to create a green future. It is a need to care for our earth our home. It was established by the World Intellectual Property Office (WIPO) in year 2000 to raise awareness of how patents, copyright, trademarks and designs impact on daily life" and "to celebrate creativity, and the contribution made by creators and innovators to the development of economies and societies across the globe"

Chairman, CIIE Prof. Gowhar Bashir Vakil headed the workshop and was attended by Coordinators of Institute of Technology (IoT), Zakura Campus, staff of CIIE, Guest & Speaker Dr Mir Junaid Alam, faculty of IOT Dr. Bilal A Malik, Rouf Ul Alam, Er. Adil Mudasir and students of IOT. The event started with the briefing of World IP day and how it was established by Miss Uzma Maqbool. Prof. Gowhar highlighted the difference between Innovation and Invention, in person discussed various queries of student of IOT attending the workshop. He also mentioned the facility of Incubation support that CIIE is providing and establishment of in house prototype facilities i.e., Fablab, Highlighting the facility of IP cell in the University at CIIE Zakura Campus for the benefit of University and Innovators. He also informed students about the on-going Entrepreneurship Development Skill Courses like Python, Solid Modelling, etc. for the benefits of Students of IOT. The keynote of the guest & speaker of the workshop Dr Mir Junaid Alam, Sr. Assistant Professor , School of Law enlightened the audience with international techniques required for inventing high end things, various types of IPR's, copyrights, trademarks filing procedures, and commercialisation of IPR's.

Dr Junaid also highlighted the need of Collective Trademark, Importance of Law, type of property (Tangible & Intangible),copyrights, theme, history of patents, laws related to the copyrights which all the innovators needed to know about. He said "In the era of information technology, IPRs have achieved unimaginable heights. The economic prosperity of a nation depends on how strong IPR regime it has. It is a recession proof area where the impact of global recession is minimal. Being an interdisciplinary subject, it provides a dynamic career prospects. Need of the hour is to raise an awareness about IPRs and create an IPR culture". He was impressed upon to organise such workshops frequently for the benefit of the primarily for the Student of IOT and among the masses. Miss Uzma Maqbool also spoke about the J&K's poor performance so far as Incubation of innovative technologies is concerned. J&K figures at the lowest among all the States & UT's in India in terms of number of patent applications filed annually (Survey 2014). It's high time to create awareness about the IPR Being creative , Energetic WIPR day is an

Opportunity for Students of IOT & Youth of J&k especially Women to find out how IP Rights can support their goals, help transform their ideas into reality, generate income, create jobs and make positive Impact on Country's Economy. With this she concluded the event with a vote of thanks. Mr Junaid & Miss Uzma did the proceedings.

7. *Exposure Visit Conducted by CIIE for the Students of GDC Ganderbal a part of IIC activity of visit to Pre Incubation centre :*

Centre for Innovation, Incubation and Entrepreneurship (CIIE) conducted exposure visit for students of Govt. Degree College Ganderbal. A group of Science students from Govt. Degree College, Ganderbal visited Institute of Technology, Zakura Campus for exposure visit to pre incubation centre and to gain first-hand knowledge about Innovations, Patents and Patent Registration. Prof. Gowhar Bashir Vakil Chairman, CIIE & IIC President coordinated the event. Students Learned about the various facilities available in the CIIE, Fab Lab and also understood about the Patent filing process. Student along with the faculty members were exposed to how CIIE will help them in converting their Ideas into market fit product, financial support provided by CIIE, value addition, etc., CIIE lab available at the Institute of Technology, Zakura Campus's Incubation and Entrepreneurship centre CIIE. Students were briefed about the facilities available in the CIIE and briefed about the pre incubation facility available in the CIIE. Students spent the quality time in the Campus learning about the Innovation, Incubation and Entrepreneurship.. Miss Uzma Maqbool explained them about Mission, modes of Implementation of the objectives of CIIE, high-end instrumentation-cum Engineering Workshop facility for prototype development and testing & how CIIE will help them file patents of national or international kind in order to protect the rights of the inventors or innovator, who may not be

capable to protect their creativity on their own, as to how the industry and the outside market work. The CIIE outreach plus opportunities were discussed which
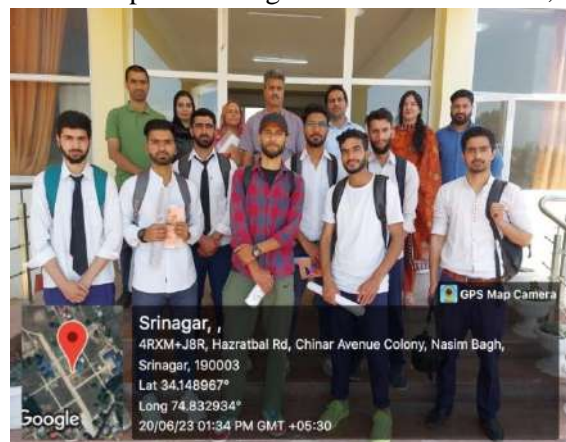
motivated the students to progress their Ideas.

Dr. Bilal Ahmad Malik, Sr. Scientific Officer, Institute of Technology, delivered a brief lecture on Patents (registration, filing process, need, etc.)& also motivated them to broaden their vision and informed thoroughly about the new Education policy like, NEP. He encouraged them to be self-dependent like Entrepreneurs. Mr. Sameer Fayaz Sr. project Associate NIF- JK Cell India also delivered a lecture on Innovations, Patents and boosted them with the Success Stories of Innovators of Kashmir from Mind to Market and also Patented innovation were represented by him. The sessions conducted were very educational and gave the students the exposure. The students were benefited with the technical terms and the knowledge of Innovations, Patents, etc. This educational trip was very informative and gave the students a feel of the R & D work being carried out in the field of embedded system, communication, solid Work, etc. The purpose of the Exposure visit was to provide exposure for the students on practical engineering fields. This Exposure visit being a part of the learning process and help in fulfilling the academic requirement, to bridge the gap between class room teaching and industry requirements and to get corporate exposure and professional experience.

8. *Workshop on Entrepreneurial skills, Attitude and behaviour development:*

As a part of Instituion's Innovation Council calendar activities of quarter-2 workshop was organised by the CIIE and a Resource person **Dr. Shakeel Ahmad Sofi**, Lecturer at University of Kashmir. The targeted audience was B. Tech & M. Tech Students.
The workshop on "Entrepreneurial Skills, Attitude, and Behavior Development" aimed to enhance participants' understanding and application of key aspects such as achievement striving, industriousness, passion, taking control, and creativity in the context of entrepreneurship.

Workshop Objective:

The Resource Person Dr. Shakeel Ahmad Sofi, Lecturer at University of Kashmir explained the need of the hour why we need to think innovatively and how this will benefit our nation.

Outcome of the Event-

In this session students were exposed to the journey of the Entrepreneur life. How to identify the problem? And find solution for it. The workshop on "Entrepreneurial Skills, Attitude, and Behavior Development" aimed to enhance participants' understanding and application of key aspects such as achievement striving, industriousness, passion, taking control, and creativity in the context of entrepreneurship. Throughout the workshop, participants learned about the significance of these elements and they gained insights into the importance of setting ambitious goals, working

diligently, and maintaining self-discipline to achieve outstanding results. Additionally, they explored the role of passion in driving their enthusiasm and emotion-based decision-making processes. The workshop also emphasized the concept of taking control and how individuals' belief in their ability to influence events can impact their entrepreneurial success. Furthermore, participants were encouraged to tap into their creativity and leverage their imagination to generate original and innovative ideas that would set them apart in the entrepreneurial landscape. By focusing on these key aspects, participants developed a comprehensive understanding of the entrepreneurial mindset and acquired practical skills to apply in their entrepreneurial endeavors.

The session ended with the MCQ session in which resource person gave trick question and which amazed students when they analysed the result.

9. Participated in 2 days Startup leadership summit 2022 at JKEDI:

The two-day event was attended by visionary entrepreneurs, industry experts, investors and witnessed the selection of 5 promising startups for funding, 2 startups for scale-up support, and the enrollment of 12 startups into The India Network's Accelerator Program. During the summit, which served as a platform for collaboration, knowledge sharing, and entrepreneurial growth, the selected startups were recognized for their exceptional potential and disruptive ideas across various sectors.

Through a rigorous pitching process, the exceptional start-ups from CIIE stood out by presenting their compelling business plans and forward-thinking vision. The startups including one from CIIE have been handpicked based on their innovation, potential for growth, and commitment to making a significant impact in their respective industries

The funding support extended to the selected startups from CIIE will provide them with the necessary financial backing to propel their growth and execute their business plans successfully. This injection of funds will enable them to scale their operations, expand their market reach, and foster innovation in their domains.The event included sessions from Rahul Narvekar, the Founder and CEO of The India Network, Hemani Bhagat, the Chief Operating Officer of The India Network, Souniya Khurana, Founder and CEO of Wyn Studio, Dinesh Singh and Amit Mishra, Co-founders of Alpha Consultants.

10. *Three days Boots Camp:* (28-08-23 TO 30-08-23)
Schedule of the 3 days Boot Camp:

Date	Session/ Expert talk title	Speaker	Time
DAY 1			
28/ 08/ 23 (MON)	Business Model Canvas (BMC)	**Dr. Shakeel Abasi** *Lecturer, Institute of Technology Zakura Campus*	10:00AM – 10:45 AM
	Angel Investment/VC Funding Opportunity for Early Stage Entrepreneurs.	**Dr. Sartaj Hussain** *Coordinator IEDC*	10:45AM – 11:30 AM
	My Story - Motivational Session by Successful Innovators	**Naik Qayoom** *Innovator & Entrepreneur*	11:30AM – 12:15PM
	How to plan for Start-up and legal & Ethical Steps	**Dr. Shakeel Abasi** *Lecturer, Institute of Technology Zakura Campus*	12:15PM – 01:00PM
DAY 2			
29/ 08/ 23 (TUES)	1.Lean Start-up & Minimum Viable Product/Business Or 2. Session on Innovation/Prototype Validation – Converting Innovation into a Start-up or Session on Achieving "Value Proposition Fit" & "Business Fit"	**Dr. Naveed Hamid** CEO SKIIE SKAUST	10:00 AM – 10:45AM
	Process of Innovation Development, 1.Technology Readiness Level (TRL); Commercialisation of Lab Technologies & Tech-Transfer or 2. Achieving Problem-Solution Fit and Product-Market Fit	**Dr. Shabbir Ahmad** *Sr. Assistant Professor* *Dept. of Electronics and Instrumentation, University of Kashmir*	11:00AM – 12:00 PM
	Workshop on Intellectual Property Rights (IPRs) and IP management for start-up (ONLINE/HYBRID)	**Mrs. Pooja Kumar** **IP Professional** *Registered Patent Agent (Govt. of India), Startup Facilitator, Mentor, Women Entrepreneur Founder; Director: Innove Intellects LLP*	12:00 PM – 01:00 PM

	Workshop on Prototype/Process Design and Development.	**Er. Rouf Ul Alam** *Assistant Professor, Institute of Technology Zakura Campus*	02:00 PM – 03:00 PM
DAY 3			
30/ 08/ 23 (WED)	Organising Innovation & Entrepreneurship Outreach Program in Schools/Community	**Kashmir University** Model School	
	Field/Exposure Visit to Incubation Unit/ Patent Facilitation Centre/Technology Transfer Centre Field/Exposure Visit to Pre-incubation units such as Ideas Lab, Fab lab, Makers Space, Design Centres, City MSME clusters, workshops etc.	**IEDC NIT Srinagar**	2:00 PM

Day 1:

10.1.1 Session Title: on Business Canvas Model

Speaker: Dr. Shakeel Ahmad Sofi (Lecturer Management, Dept. of Applied Science,Institute of Technology,Zakura Campus).

Session Mode: Offline,   **Theme: Entrepreneurship**   **Participants: 50**

Objectives:
- Giving broad Idea about Business Model Canvas to the student Innovators.
- Giving Idea about different template for developing new business model.
- Demo presentation of their Business Model canvas by Student Innovators.

Summary:
A session My Story on Business Model Canvas was organized by Centre for Innovation, Incubation and Entrepreneurship (Institution's Innovation Council) of University of Kashmir as a part of IIC prescribed activity for Quarter-I, Calendar 5.0. The session was organized to give broad Idea about Business Model Canvas to the student Innovators; the session was attended by the student Innovators, students of various departments of engineering and faculty members. The key highlights of the program were Giving Idea about different template for developing new business model.

Speaker Dr. Shakeel Ahmad Sofi an Expert in the field of business management and Entrepreneurship presented the brief session how to frame a business canvas model and involved participants at the end of the session for demo presentation of business canvas models of the different Ideas.

10.1.2. Session Title: My Story-Motivational Session by Successful Innovator

Speaker: Naik Qayoom (CEO, Startup B-Naik Uprising Agri tech Pvt.Ltd)

Session Mode: Offline,   **Participants: 50**

Objectives:
- To aware the students about Innovation and Startup culture.
- To motivate the students and draw the inspiration from Innovators of national repute.
- Developing a mindset to choose Innovation and Entrepreneurship as a career.
- Idea generation & implementation - How to overcome challenges & set targeted goals?

Summary:
A motivational session My Story as successful Innovator was organized by Centre for Innovation, Incubation and Entrepreneurship (Institution's Innovation Council) of University of Kashmir as a part of IIC prescribed activity for Quarter-I, Calendar 5.0. The session was organized to motivate the young students towards innovation and Entrepreneurship, the session was attended by the students of various departments of engineering and faculty members.
The key highlights of the program were to share the journey of a successful Innovator from an Idea to the market fit product, processes involved, challenges faced. CEO, B-Naik Uprising Agri Tech Pvt. Ltd, Mr. Naik Qayoom a well-known Innovator and Entrepreneur having different successful Innovations commercialized like Walnut Washer, Automatic seed sowing machine, walnut picker etc.

10.1.3 Workshop on Prototype/Process Design and Development

Speaker: **Er. Rouf Ul Alam** *Assistant Professor, Institute of Technology Zakura Campus*

Participants:

Students- 42

Faculty- 6

Targeted Audience- school students, B.tech & M.tech Students

Session: Offline

Workshop OVERVIEW
Key Highlights Following Points were discussed by

the Speaker:

Prototyping offers designers the opportunity to bring their ideas to test the practicability of the current design, and to potentially investigate how a sample of users think and feel about a product.

There are several stages in the process of prototype product development.

1. Gathering and Analysis of Requirements
2. Quickly Designing the Prototype
3. Creating a Prototype
4. Initial evaluation by the user
5. Prototype refinement
6. Implementation of the product

Outcome of the activity:

• Students were able to acquire more knowledge on prototyping.
● Finding the product-market fit
● Adding value for end users
● Ways to attract investors
● How to refine product designs

Day 2: 3 days Bootcamp
10. 2.1 Session Title: *Innovation/Prototype alidation – Converting Innovation into a Start-up*

Speaker: **Dr. Naveed Hamid** CEO SKIIE SKAUST

Participants:

    Students- 40

    Faculty- 6

Targeted Audience- school students, B.tech & M.tech Students

Workshop OVERVIEW

CIIE IIC university of Kashmir conducted a Guest Lecture as a part of Institution's Innovation Council (IIC) on "Innovation/Prototype Validation - Converting Innovation into a Startup." by **Dr. Naveed Hamid** CEO SKIIE SKAUST . The session was held on 28/09/2023 from 10:00 am to 12:00 pm The Session by IIC convener Dr. Bilal Ahmad malik & Miss Uzma Maqbool. The convener formally introduced the speaker, welcoming the resource person and all the IIC members to the session. The speaker has enlightened the following:

OVERVIEW
• Creativity and innovation
• Innovation is the process of turning a new concept into commercial success or widespread use. Invention is the creation of a new idea or concept.
• Creativity is the act of turning new and imaginative ideas into reality

How To Boost Creativity And Innovation Among Students

• Inspire the Students and Staff to Learn

• Before they can think of something that's not available in the industry, the students must first know everything about the industry. Truly creative people don't wait for bursts of creativity to hit them out of nowhere. They learn and observe the world around them with all their senses.

Focus on Hiring Creative Individuals

• "What have you invented so far?" is not a good question to ask during an interview. Maybe someone still hasn't invented anything special, but they may still have the creative foundation to do so. Instead, you should evaluate their creativity.

• Think of several critical thinking questions, so you can see how this person's mind works under pressure.

Bring the Team Together

• Put several creative minds in a room and see what happens. You just need to give them a trigger, such as an issue you'd like to solve. Let them be flexible enough to express all ideas and inspire them to build on each other's ideas.

The speaker and the resource person **Dr. Naveed Hamid,** clearly defined the terms idea, POC, Prototype, MVP & Product

• A business idea is a concept that can be used for financial gain that is usually centered on a product or service that can be offered for money. An idea is the first milestone in the process of building a successful business. A business idea is often linked to its creator who needs to identify the business' value proposition in order to launch to market and establish competitive advantage. A business idea is the first spark of Entrepreneurship

The Session concluded by the Convener of IIC, obliging the members to ask queries related to the webinar and thanked **Dr. Naveed Hamid** in his efforts to shape and sculpture the faculty and students to become moral oriented, capable and qualified skilled entrepreneurs. The session was attended by 40 students and 5 faculty members. Miss Uzma Maqbool proposed vote of thanks, and thanked the speaker, IIC members and also expressed her regards to the Faculty & Director Prof. Gowhar Bashir Vakil The session concluded at 12:30 PM

10.2.2. Session Title: *Process of Innovation Development, Technology Readiness Level (TRL); Commercialisation of Lab Technologies & Tech-Transfer*

Speaker: Dr. Shabbir Ahmad, *Sr. Assistant Professor*, *Dept. of Electronics and Instrumentation, University of Kashmir*

Participants:

> **Students-** 40

> **Faculty-** 6

Targeted Audience- school students, B.tech & M.tech Students

Session: Offline

Workshop OVERVIEW

CIIE IIC university of Kashmir conducted a expert Talk as a part of Institution's Innovation Council (IIC) on **"Process of innovation development, technology readiness level (trl); commercialisation of lab technologies & tech-transfer"** by **Dr. Shabbir Ahmad,** *Sr. Assistant Professor*, *Dept. of Electronics and Instrumentation, University of Kashmir*. The session was held on 05/01/2023 from 2pm to 3pm. The Session was coordinated by IIC

convener Dr. Bilal Ahmad malik, Miss Uzma Maqbool & Mr. Junaid Ayoub. The convener formally introduced the speaker, welcoming the resource person and all the IIC members to the session. The speaker has enlightened various things about the Innovation, Difference between the the Innovation & Invention. The speaker first explained about innovation development and the various processes involved in developing a new product. He

explained the various stages in detail and emphasized on those stages where the mentors can provide the required guidance to students. The speaker then explained about Technology Readiness Levels. TRL's measure the maturity level of a technology throughout its research, development and deployment phase progression. TRL's are based on a scale from 1 to 9, with 9 being the most mature technology. The last part of the session dealt with commercialisation of technology and tech transfer. Technology transfer, or Tech Transfer a.k.a. transfer of technology (ToT), is a process in which technology or knowledge developed at one organisation is transferred to another, typically for the purpose of commercialisation. Technology transfer can be accomplished through a variety of methods including licenses to use protected intellectual property, and may also include exchange of know-how and materials. Commercialising technology requires the ability to identify potential markets, develop products that satisfy those needs, and manage distribution channels. The session was extremely informative.

Around 53 participants attended the event.

10.2.3. Session Title: Workshop on Intellectual Property Rights (IPRs) and IP management for start-up (ONLINE/HYBRID)

Speaker: **Mrs. Pooja Kumar**, **IP Professional** *Registered Patent Agent (Govt. of India), Startup Facilitator, Mentor, Women Entrepreneur, Founder; Director: Innove Intellects LLP*

Participants:

Students- 40

Faculty- 10

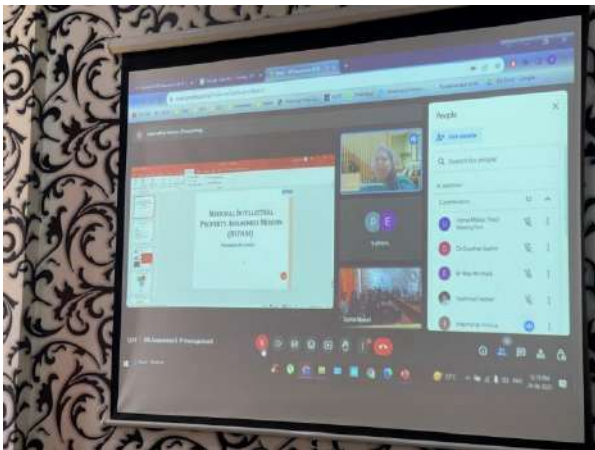**Targeted Audience**- school students, B.tech & M.tech Students

Session: **Offline/Online**

Workshop OVERVIEW

Around fifty students, faculty members enthusiastically participated for the event. The participants were also certificated for the same. The session began with the welcome note by Prof. Gowhar B Valil President IIC & Miss Uzma Maqbool , IA IIC. The essence of the session was to demonstrate how the knowledge of intellectual property right holds importance and must be kept in mind while building a startup business. The workshop provided the students with vast knowledge on intellectual property rights, it's accounting and valuation which will be of immense help for the students with startup ideas looking forward to build their own startups. After the session came towards the end, the students and our faculty raised their queries related to the topic. The same were also addressed by our speaker.. The session was concluded with the key takeaway of the session was to impart knowledge on the IPR 's importance in today's startup oriented economy. Miss Uzma Maqbool , Coordinator of the event extended a heartfelt gratitude to Mrs. Pooja Kumar for such a provocative and thoughtful session and is looking forward for

more such spellbound sessions in the near future. The workshop ended with a question and answer session. This event was a huge success with over 80 participants. The vote of thanks was delivered by Miss. Uzma Maqbool

Day 3: 3 days Bootcamp
10.3.1 *Innovation & Entrepreneurship Outreach Program in Schools/Community*

Speaker: 1. Miss Uzma Maqbool

2. Junaid Ayoub

Students- 80

Faculty- 15

Targeted Audience- school students

Session: Offline

School Name: Kashmir University model High School Srinagar

Workshop OVERVIEW

CIIE conducted Innovation & Entrepreneurship Outreach Program in Kashmir University Model high School School. The team CIIE interacted with the students and had one on one interaction with the students. Miss Uzma Maqbool briefed the students about Innovation, Incubation, Entrepreneurship, Patent and how they can transform their ideas from mind to market. She on spot asked students for some ideas and students started interacting with her by sharing their ideas like irrigation system, load carrier, etc. Mr. Junaid Ayoub also briefed them about how their small ideas can make changes in the world jActivity included Felicitation of young innovators/school children. Organised on spot idea competition to encourage school children to share their innovative ideas and solution. - Engaged with students in sub-group to provide one-on-one mentorship support through young innovators of the institution.

10.3.2. Exposure visit to Innovation and Entrepreneurship Development Centre (IEDC) National Institute of Technology,Srinagar J&k.

Session Mode: Offline,   **Theme: Entrepreneurship**   **Participants: 30**

Objectives:

- The purpose of this visit is to provide our students with an invaluable opportunity to gain first-hand insights into the innovative endeavours and initiatives undertaken at the Incubation Centre.
- The exposure to such a dynamic and knowledge-rich environment will greatly enhance their understanding of entrepreneurial processes, technological advancements, and industry collaboration.
- Exploring pre-incubation units such as Ideas Lab, Fab Lab, Maker space, Design Centres, City MSME clusters, which will stimulate their creative thinking and inspire them to explore novel ideas and projects

Summary:

The exposure visit to the nearest Incubation centre of National Institute of Technology Srinagar was organized by Centre for Innovation, Incubation and Entrepreneurship (Institutions Innovation Council) University of Kashmir for the students of various branches of engineering and potential student innovators.

The key highlights of the event were that students witnessed the demonstration of high precision machines used for manufacturing and prototyping like CNC, 3d printers. The students interacted with incubatees who briefed about their innovations and Start-ups.The Incubation centre held an interactive session with students to acknowledge them about Innovation, Ideation,problem identification, design thinking and requisite of industry 4.0.

5 days Innovation, Design, and Entrepreneurship Bootcamp" at NITTR Chandigarh:

The "*Innovation, Design, and Entrepreneurship Bootcamp*" took place at NITTTR Chandigarh from June 22nd to June 26th, 2023 which was attended by more than 200 faculty members from various institutions across the country. The bootcamp was aimed to equip the participants with the necessary skills and knowledge to foster culture of design thinking, innovation and Entrepreneurship among the students of their parent institutions.

Dr. Bilal Ahmad Malik (Coordinator CIIE) participated in the IDE Bootcamp.

The bootcamp's comprehensive program covered a wide range of topics, allowing participants to gain insights and practical skills across various domains. It began with an inaugural session that set the tone for the bootcamp. Esteemed dignitaries, including Prof. T.G. Sitharam, Chairman of AICTE, Ministry of Education, Dr. Abhay Jere, Chief Innovation Officer of the Ministry of Education's Innovation Cell, Prof. Bhola Ram Gurjar, Director of NITTTR Chandigarh, and Rajeev Wadhwani, Executive Vice President of Wadhwani Entrepreneurship, graced the occasion. The inaugural session highlighted the critical role of innovation and entrepreneurship in the evolving job market, inspiring participants to embark on a transformative learning journey.

Following the inaugural session, participants dived into a series of sessions designed to provide a holistic understanding of innovation and entrepreneurship. The first day commenced with a program overview and learning outcomes, enabling participants to grasp the scope and objectives of the bootcamp. This session also allowed participants to familiarize themselves with the resources, tools, and support available throughout the program.

A highlight of the bootcamp was the focus on design thinking, a problem-solving approach that combines empathy, creativity, and critical thinking. The session on design thinking for entrepreneurs provided participants with a framework to identify and address customer needs, develop innovative solutions, and create impactful ventures. Through interactive exercises and case studies, participants learned to adopt a user-centric mindset and leverage design thinking principles to drive business success.

Throughout the bootcamp, participants actively engaged in activities that encouraged critical thinking, problem-solving, and collaboration. Hands-on exercises, group discussions, and case studies enabled participants to apply the knowledge gained to real-world scenarios. The bootcamp fostered a supportive learning environment, encouraging participants to share their experiences, learn from each other, and build lasting connections.

Overall, the "Innovation, Design, and Entrepreneurship Bootcamp" at NITTTR Chandigarh was a transformative learning experience. It equipped participants with the essential knowledge, skills, and mindset required to thrive in today's dynamic and competitive business landscape. The comprehensive curriculum, engaging sessions, and interactive learning methods empowered participants to embrace innovation, embrace design thinking, and embark on

their entrepreneurial journeys.

The bootcamp's impact extends beyond the five days of intensive learning. It has laid the foundation for participants to apply their newfound knowledge and skills in their respective fields, whether as aspiring entrepreneurs, intrapreneurs, or innovators within existing organizations. The bootcamp has inspired participants to think differently, approach challenges creatively, and pursue opportunities with an entrepreneurial mindset and train their students at the respective institutions to face the changing landscape of the job market.

In conclusion, the "Innovation, Design, and Entrepreneurship Bootcamp" provided a transformative learning experience that equipped participants to train their students with the necessary tools, knowledge, and mindset to thrive in the ever-evolving world of innovation and entrepreneurship. The comprehensive curriculum, expert-led sessions, hands-on activities, and networking opportunities ensured a holistic and immersive learning journey. Participants emerged from the bootcamp with enhanced skills, a broader perspective, and the confidence to pursue their entrepreneurial aspirations. The bootcamp's impact will be felt not only by the participants but also by the organizations and communities they engage with, as they contribute to a culture of innovation, design thinking, and entrepreneurship.

Skill Development/Training:

1. ***Six Weeks Skill Development Course on Python for students of IOT, Zakura*:**
   - Conducted from 14 Nov 2022 to 20 Jan 2023.

- 25 beneficiaries
- VENUE: Advance Computer Lab Institue of Technology.
  - The Centre for Innovation, Incubation and Entrepreneurship (Institution's Innovation Council) sponsored Six Weeks long Skill development course on Python for Students of IOT.
  - The programme was envisioned to augment the skills of educated youth with in-demand skills -- including Python. After successful completion of the training, the trainees were evaluated and certified by The Centre for Innovation, Incubation and Entrepreneurship (IIC Uok). The programme was inaugurated by Prof Gowhar Bashir Vakil Director IOT & Chairman CIIE in presence of Dr. Abdul Mueed Hafiz Coordinator Electronics and Communication Dept., IOT, Dr. Bilal Ahmad Malik Scientific Officer, Dr. Junaid Hassan Masoodi Coordinator Mechanical Dept. & others.
  - Prof Gowhar B Vakil Director IOT & Chairman CIIE during Inaugural briefly highlighted the genesis of the programme & motivated the trainees to become self-

sufficient i.e., a Govt of India Initiative Atma Nirbhar Bharat. CIIE Empowers - all individuals especially the youth of J&K through improved skills, knowledge, nationally and internationally recognized qualifications to gain access to decent employment and thus strengthening of economy of the state as well as fighting the problem of unemployment. He also encouraged students and Faculty of other departments to come up with ideas like Electronic and communication dept. Dr. Bilal Ahmad Malik (Theory Instructor) also spoke on the occasion and highlighted the importance of the Programing Language in a growing economy. The inaugural session was moderated by Miss. Uzma Maqbool Course Theory Assistant of the programme and presented the vote of thanks. The inaugural session was attended by 24 qualified skill trainees who appeared in the screening test conducted by CIIE. CIIE is commits to provide a platform encouraging entrepreneurial skills among youth whereby they can equip themselves with various useful skills and become self-sufficient. They can thus become independent job creators & also the high package job takers with the skills which are need of the hour and trending in the recruitment process at B.Tech level rather than being dependent and have successful lives and careers. CIIE promote innovation, incubation and encourage entrepreneurship primarily among the students of Institute of Technology & youth of J&K besides catering to the entrepreneurial challenges of the youth in the area. Miss Uzma & Mr. Junaid did the Proceedings.

2. *Six weeks Skill Develpoment Course on Solid Modelling:*
   + 25 Benefeceries

+ Commenced from 1st April 2023 to 31st May 2023

3. *CIIE Awareness cum Innovation training session:*
   - Various sessions were conducted to aware students of IoT about Innovation, Incubation and Entrepreneurship by the

Technical   Assistant   CIIE.

- A Call for Innovation Ideas competition was organized to scout the innovative ideas across the region from 14-11-2022 to 30-11-2022
- Competition was open for Students, scholars, working professionals, Grass roots innovators to share their ideas and network with CIIE to take their ideas to the next level.
- 40 ideas were received

S.no	Title of Idea	Team Name	Category	Position
1.	Frugal Circuit Breaker	Amaan Abaas	A	1st
2.	CO Detection and ventilation system	Manan fayaz and others		2nd
3.	Auto Billing Trolley	The Acheivers		3rd
4.	Dual Ambu Bag resusicator	Sajid Nood & others	B	1st
5.	Incubator	Sadaf Bashir& others		2nd
6.	Smart brile	Jehangir Hameed lone & others		3rd
7.	Innovate for sustainable world	Team amatures	C	1st
8.	Water Purification	Waseem Nadaf		2nd
9.	Solar Cooker	Jehangir Ahmad Dar		3rd

ived from students of different schools/colleges etc. on prescribed themes and were scrutinized by the expert committee

- Winners declared for the competition (in different category and themes) were from University of Kashmir, Green Valley education, NIT sgr and Grassroots innovators.
- The following top innovative ideas were nominated in diff category (A: Technology for livelihood, B: agriculture & human health, C: Sustainable and renewable energy) with Rs 6,000 for first winner, Rs. 4,000 for second position & Rs. 3,000/- for third Position. For each category.

- Power point Presentation were briefed about the IPR (Intellectual Property Rights) to make them aware about protection of their ideas
- Also highlights various EDPs for students organised by CIIE.

🔲 *HACKATHONS:*

❖ *Ideathon 2022:*

⊕ *Ministry of Education's Innovation Cell:*

Various schemes of Ministry of Education's Innovation Cell being run by CIIE are:

- ➢ An Initiative of MoE's Innovation cell to foster the Innovation and Entrepreneurial activities across the Higher Education Institutes.
- ➢ Yearly activity calendar (IIC 5.0 currently),and annual Innovation assessments
- ➢ National Innovation Repository **(YUKTI 2.0).**
- ➢ **KAPILA.**
- ➢ **Innovation Ambassadors.**
- ➢ Mentor/Mentee and Impact lectures.
- ➢ **NISP.**
- ➢ **Smart India Hackathon.**
- ➢ **ARIIA/ NIRF-Innovation**

CIIE Recognition at MoE's Innovation Cell:

- CIIE is functioning as Institution's Innovation council an Initiative of MoE's Innovation cell registered as **University of Kashmir (ID: IIC201811306).**
- University of Kashmir actively participates in different flagship programs of IIC with Chairman CIIE as President.
- CIIE has constituted IIC council having members as senior faculty members of different departments of IOT, Zakura.

Different Initiatives of MoE'S IIC:

1. NISP (National Innovation Startup Policy): CIIE has successfully framed NISP and following its implementation

2. YUKTI (National Innovation Repository):
- CIIE actively participated in NIR & has registered 20 ideas including 10 prototypes and 1 startup.
- CIIE has registered 5 innovations for upcoming national innovation contest 2023 and Further 5 under evaluation (last date 15th April 2023)

3. Innovation Ambassadors: CIIE has nominated 5 innovation Ambassadors and 2 of them have completed basic training.

4. KAPILA (Kalam Awareness Program for IP Literacy and Awareness): CIIE have constituted 6 members **KAPILA** committee to scrutinize patent applications to avail the funding from this scheme.

5. ARIIA/ NIRF- Innovation: CIIE successfully participated in (**Atal Ranking of Institutions on Innovation Achievements**) 2021, 2022 and 2023.

6. SIH: CIIE is preparing to participate in forthcoming Nation-wide **Smart India Hackathon** 2023 i

University of Kashmir Recognition at MoE:

- CIIE is functioning as Institution's Innovation council an Initiative of MoE's Innovation cell registered as **University of Kashmir (ID: IIC201811306).**
- University of Kashmir actively participates in different flagship programs of IIC with Chairman CIIE as President.
- CIIE has constituted IIC council having members as senior faculty members of different departments of IOT, Zakura.

Different Initiatives of MoE'S IIC:

1. **NISP (National Innovation Startup Policy):** CIIE has successfully framed NISP and following its implementation

2. **YUKTI (National Innovation Repository):**
   - ➢ CIIE actively participated in NIR & has registered 20 ideas including 10 prototypes and 1 startup.
   - ➢ CIIE has registered 5 innovations for upcoming national innovation contest 2023 and Further 5 under evaluation (last date 15th April 2023)

3. **Innovation Ambassadors:** CIIE has nominated 5 innovation Ambassadors and 2 of them have completed basic training.

4. **KAPILA (Kalam Awareness Program for IP Literacy and Awareness):** CIIE have constituted 6 members **KAPILA** committee to scrutinize patent applications to avail the funding from this scheme.
5. **ARIIA:** CIIE successfully participated in (**Atal Ranking of Institutions on Innovation Achievements**) 2021 and 2022.
6. **SIH:** CIIE is preparing to participate in forthcoming Nation-wide **Smart India Hackathon**2023.

M. Images:

N. Contact:
- **Website: www.ciie.uok.edu.in**
- **Email ID: ciie@uok.edu.in**
- **Coordinators' Phone No. :** *+919149511050,*
- **Technical Support:** *+91959651688, +916005877021*