

# Annual Report

## 2022-23



**Tezpur University Intellectual Property Rights Cell**

**Tezpur University**

(A Central University)

Napaam, Tezpur-784028

Assam, India

## 1. Academic Activities:

- A. IPR is offered as Choice Based Credit Transfer (CBCT) course** in Ph.D level as IP 750 (4 credits) in both Autumn (2021) and Spring (2022) semesters. Designed especially for the Ph.D students, 32 students in total enrolled for the course from the Schools of Science, and Engineering. With a team of two Research Officer and the DPIIT-IPR Chair Professor, the course has been conducted in the conventional class room mode. The students were assigned to undertake group studies on special topics that required in depth understanding. Before the end term, all the students delivered seminars to their peer groups as part of their group learning exercise. Evaluation of the students was done as per the university guidelines. The feedback of the students has been very encouraging.
- B. IP Filings:** Facilitating assessment and IPR filings has been one of the mandates of the Cell. This year the TUIPR Cell received 11 invention disclosures forms from various departments. These were evaluated by the Cell in consultation with the inventors. Contextual prior art searches in addition to those done by the researchers were conducted and the novelty and inventive steps were assessed. Also, six (06) patent application were granted this year, namely; A Two-Way Ratchet by Arup Jyoti Chutia with grant no. 401265, A portable optical fiber instrument for instant petrol purity detection by Prof. Partha Pratim Sahu, Dept. of ECE with grant no. 403352, Designed 2d graphitic sheet for viscous oil removal using magnet by Pritam Deb and Meenakshi Talukdar Dept. of Physics with grant no. 404139, Selective para-hydroxylation of substituted aromatic hydrocarbons using H<sub>2</sub>O<sub>2</sub> catalyzed by waterborne hyperbranched polyurethane/ carbon quantum dot nanocomposites by Prof. Niranjan Karak, Vijay Kumar Das and Satyabrata Gogoi, Dept. of Chem Sciences with grant no. 422972, Removal of arsenic from ground water by capsule technique by Prof. Robin Kumar Dutta Chiranjeev Bezbaruah and, Parag Nath with grant no. 426864 and Anticoagulant actives and synergistic anticoagulant composition and method of producing the same by Prof. Ashish Kumar Mukherjee and Debananda Gogoi, with grant no. 427825.

## 2. Seminars/Outreach Activities:

- a) **World IP Day 2022:** Every year on April 26, World Intellectual Property Day is celebrated to learn about the role that intellectual property (IP) rights play in encouraging innovation and creativity. The theme of Intellectual Property Day of this year was “IP and Youth: Innovating for a Better Future” and celebrated the youth-led innovation and creativity. DPIIT IPR Chair in collaboration with World Intellectual Property Organization (WIPO) celebrated this day in blended mode in Tezpur University campus with an array of events that included the IP Quiz that had 18 teams as participants. IP Day Slogan writing competition was also conducted to encourage the creative capabilities among the students. Another event that saw overwhelming participation was the Innovative Idea Competition that called for submission of Innovative Ideas from students. The event showed promise to solve some highlighted problems in society. More than 41 participants joined the event.
- b) **Week- long Online International Workshop On “Intellectual Property Rights for the Promotion and Protection of Innovations”:** With the view of creating awareness on the importance of IPR to the masses, Gargaon College in collaboration with DPIIT-IPR Chair, Tezpur University and Intellectual Property Engagement Group (IPEG), The City Law School, City, University of London organized an International Workshop on Intellectual Property Rights from 16th to 21st May, 2022. The six-day workshop covered various aspects of IPR like Patents, Copyrights, Trademarks, etc. The participants of the program included Faculties, Research Scholars, Students and Grass Root Innovators.

- c) **One Day Workshop on The Role of IPR in Supporting and Empowering Women Innovators:** Entrepreneurship has gathered momentum over time and many women entrepreneurs have also joined the fray. Especially indigenous knowledge and traditional life experiences are brought within the ambit of innovative ideas for entrepreneurs. A one-day workshop was organized on the topic ‘The Role of IPR in Supporting and Empowering Women Innovators’ and innovation exhibition by the IQAC, M.D.K.G. College, Dibrugarh in collaboration with DPIIT IPR Chair, Tezpur University. This unique programme has encouraged people to search for employment opportunities on their own and provide employment for others but has also instilled confidence to further move forward in this positive initiative. More than 50 participants were present in this fruitful event.
- d) **Five-day Certificate programme on Intellectual Property Rights for Enterprise Development:** DPIIT- IPR Chair, IPR Cell, in collaboration with DST- Technology Enabling Centre (TEC) of Tezpur University, held its five-day Certificate Programme on Intellectual Property Rights for Enterprise Development from January 17, 2023, to January 21, 2023, in the Council Hall, Tezpur University. The programme saw participation from enthusiastic entrepreneurs and professionals from the North-East Region. Thirty-four participants, including 6 MSMEs, 21 academicians, 5 entrepreneurs and 2 industry professionals, completed the certificate programme offered. The five-day programme ended with the valedictory session. Dr Biren Das and the other resource persons presented the certificates to the participants. The participants gave their experiences and feedback on the programme, and they indicated that they had gained new knowledge and insights from it. Prof Nayan Moni Kakoty and Dr Biren Das also gave their feedback calling the programme a success because of the extended support from everyone.
- e) **A Daylong Entrepreneurs’ Meet on Considering GIs of Assam for better Agri -Business Opportunities in Horticulture:** The Directorate of Horticulture and Food Processing, Govt. Of Assam and DPIIT IPR Chair, Tezpur University joined hands to organize a Daylong Entrepreneurs’ Meet on Considering GIs of Assam for better Agri -Business Opportunities in Horticulture for the state of Assam on 4th March, 2023 at the premise of the Directorate of Horticulture and Food Processing. There were two technical sessions and one panel discussion where discussions were centred around the scopes and opportunities of the state’s the horticulture sector. The meet witnessed participation of various Farmers Producer Company (FPCs) from the state. The deliberations shed light on scopes and opportunities of the horticultural crops from the Northeast region and the significance of the Geographical Indications (GI) tag on them for their export in national and foreign markets. Experts from agencies like NERAMAC and APEDA apprised the gathering about the financial and technical support extended by them for gaining exposures like participation in Exhibitions/ Seminars/GI Tag acquisition etc. Detailed discussions were made for the financial assistance schemes available to the entrepreneurs of the state for exploration of new markets with support for Infrastructure Development, Quality Development and Market Development. Stress was laid on developing Export Quality Products and the infrastructure facilities available near airports that can be used by the exporters. One of the exporters from Guwahati shared his experiences from the past two years and stated that major opportunity lies with increase in the volume without compromising on quantity. More than 100 participants joined the programme.
- f) **Workshop on Importance of IPR for Startups, Research and Academia:** Tezpur University's DPIIT IPR Chair collaborated with the Design Innovation Centre, NEHU, Shillong to jointly organize a one-day workshop on the Importance of IPRs for Startups, Research, and Academia in the university to educate students and researchers about IPRs. The programme was eventually held on the NEHU campus on March 6, 2023, thanks to the combined efforts of both organisations. The

goal of this day-long programme was to address the importance of intellectual property rights to students, researchers, and grassroots start-ups. The training focuses on the following points: -

1. IPRs for protecting Innovations and their commercialization.
2. Effectiveness of IPR in protecting Research and Innovation at academic institutes.
3. Hands-on Training on Patent Search

Intellectual Experts delivering lectures during the Workshop were Prof Pritam Deb, DPIIT IPR Chair Professor, Tezpur University (Central University), Mrs. Dipamani Baishya, Project Scientist, Patent Information Centre, Science & Technology Division Assam Science Technology and Environment Council. The interested participants in the workshop were directed to register themselves online. An encouraging number of registrations were received for participation in the Workshop. The total number of registered participants who participated in the programme was around fifty. Those registered were from different Universities and Institutes including from Tezpur University, North-Eastern Hill University, St. Anthony's College and AICTE and other nearby institutes.



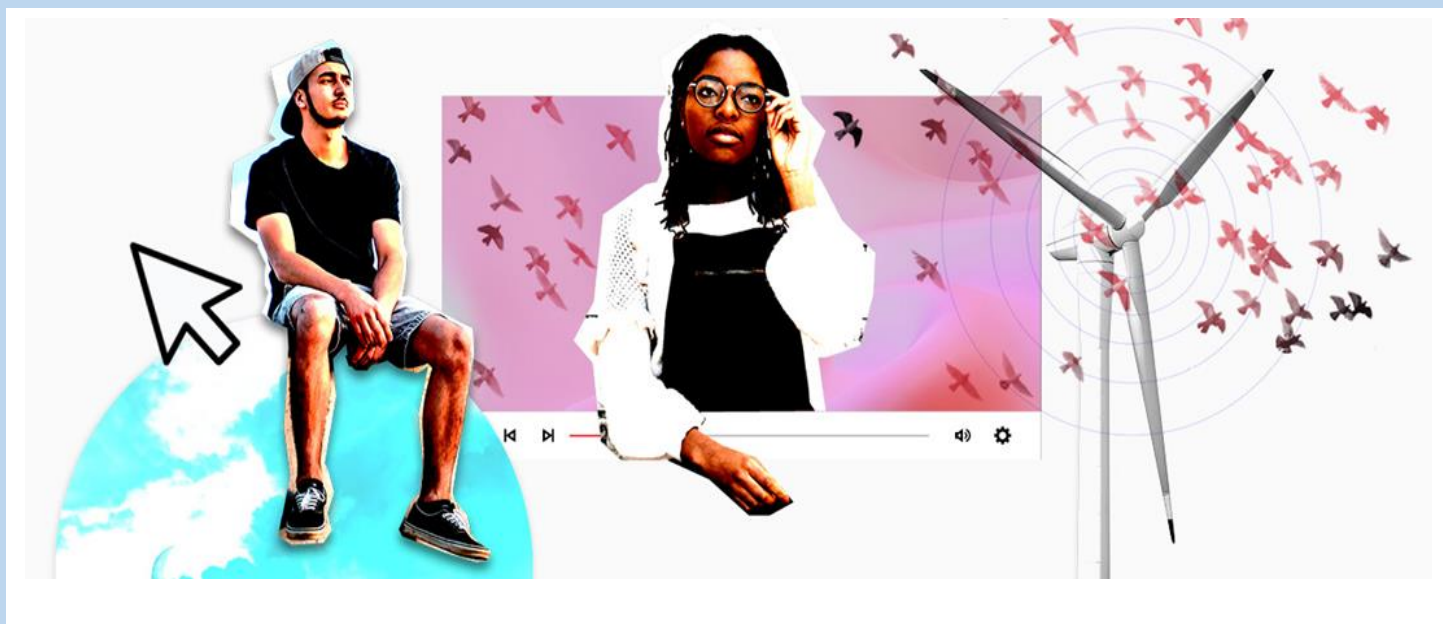


Report on

## World IP Day 2022

26<sup>th</sup> March, 2022

*Celebrating Azadi ka Amrit Mahaotsav*



**DPIIT-IPR Chair at TUIPR Cell**

Tezpur University (A central University)

Naaam, Tezpur  
Sonitpur, Assam, India  
PIN-784028

*In Collaboration with*

**World Intellectual Property Organization (WIPO)**  
Geneva 20, Switzerland



Photo: IPR Chair Professor, Prof. P. Deb, delivering the welcome speech

Every year on April 26, World Intellectual Property Day is celebrated to learn about the role that intellectual property (IP) rights play in encouraging innovation and creativity. The day recognizes the huge potential of young people to find new and better solutions that support the transition to a sustainable future. This year the theme of World Intellectual Property Day was **“IP and Youth: Innovating for a Better Future”** and celebrates youth-led innovation and creativity. TUIPR Cell celebrated this day in the Tezpur University campus with an array of events that included the IP Quiz that had 18 teams as participants. IP Day Slogan writing competition was also conducted to encourage the creative capabilities among the students. Another event that saw over whelming participation was the Innovative Idea Competition that called for submission of Innovative Ideas from students that showed promise to solve some unresolved problems in society.



Photo: Dean, School of Engineering, Prof. P.P.Sahu, inaugurating the IP Day 2022 events



Photo: The organizers and the participants of World IP Day 2022



Ms. Anjali Aeri, Counsellor, PCT International Cooperation Division, World Intellectual Property Organization (WIPO) delivered the IP Day lecture on the **Patent Cooperation Treaty –A System for Global Patent Protection**. She started her presentation by giving a brief introduction about WIPO and role played by it to promote and protect intellectual property worldwide. She elaborated upon the initiatives taken to ensure administrative cooperation among the intellectual property Unions established by the treaties that WIPO administers. She discussed about the



Photo: Ms. Anjali Aeri, Counsellor, PCT ,Internation Cooperation Division ,WIPO during the technical session

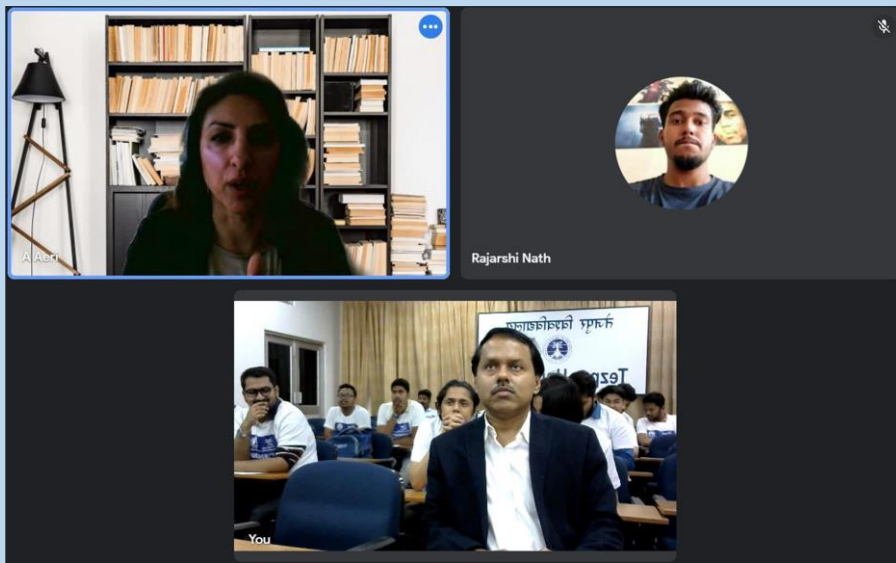


Photo: Ms. Anjali Aeri, during a Q and A session

WIPO Arbitration and Mediation Center, which facilitates resolution of intellectual property disputes among the member countries. Besides the above, she highlighted about the mission of WIPO that focusses on development of a balanced and effective international IP system that enables innovation and creativity for the benefit of all. Later part of the discussion was focussed on Patent Cooperation Treaty and key benefits for

Inventors, who opt this system of patent filing against the single application system under Paris convention. Elaborating on the procedure of the PCT system, she apprised the audience about the key benefits like : i) one application has effect in 156 PCT Member States, ii) 18 extra months before one has to pay for local filings, iii) 18 extra months to receive substantive feedback on the patent application and to do market research and testing. She shared the Noble Prize winning jappanese scientist Dr.Shuji Nakamura views on PCT system “The PCT ... gives us the opportunity to protect our patents globally .....before determining which countries might be most valuable”. She further discussed about the International Searching Authorities (ISAs) and the WIPO patent database PATENTSCOPE, which has 4.3 million published PCT applications and 102 million patent documents (data from 72 regional or national collections). Besides these, it has a separate COVID-19 search facility that supports COVID-19 innovations. It is belived that the technical information contained in published patent documents can aid inventors in creating and transferring new technologies to combat COVID-19. The most important information that was shared by the speaker is that the access is free of charge and meant for disseminating technical information for the benefit of innovators. Discussing on the trends of filing PCT applications she further shared that PCT applications are on the rise and Asia manifested its lead as the largest origin of international patent applications, accounting for 54.1% of all applications in 2021, up from 38.5% in 2011. Among others, she highlighted the double digit growth of Chinese PCT applications in 2020.



Photo: Quiz Master Aushotosh Das in the preliminary round of IP Day Quiz

The IP Day Quiz, this year, has been the 12<sup>th</sup> annual quizzing event dedicated to the Intellectual Property Rights. This Quizzing event has been continuously conducted since 2011. All these years, this quiz event has been receiving overwhelming response from the student participants. During the last two years, the quiz was conducted on online platform owing to lockdown and COVID-19 regulations. However, this year, the physical mode of conducting the quiz was resumed and was received well by the participants.



Photo: Participants during a screening round of the quiz



Photo: Organizers and the Winners of the World IP Day events

Discussing top technical fields of PCT application, she discussed with a very interesting graphics about the leaders in each field. She also shed light on the top 10 PCT applicants in the year 2021. She also revealed the top 10 universities across the world in terms of PCT applications. Discussing the Indian scenario, Ms Aeri stated that PCT applications from India are also at rise. She shared information about the top 10 applicants from India and expressed hope that more academic institutions shall come forward to file PCT applications realizing its scope and benefits.

18 teams participated in the quiz this year, that was conducted in two rounds : The Preliminary and the Final. The Preliminary round of quiz had 30 questions while the Final round had 4 rounds with 10 questions in each round. Mr. Ashutosh Das conducted the quiz and apprised the audience about various facets of Intellectual Property Rights through various beautifully crafted questions. At the end of four hours of intense quizzing, two teams were adjudged winners and runners respectively. The winners of various events were given prizes during the valedictory session.





Celebrating

*Azadi Ka Amrit Mahotsav*



## World Intellectual Property Day 2022



### Quiz Competition on IPR

Date: 26<sup>th</sup> April, 2022

Time: 2.30 PM onwards

Venue: Deans' Building, School of Engineering

Registration closes at 10:00 AM on 25<sup>th</sup> April 2022

### Slogan Writing

#### Competition

Online submission closes at 10:00 AM

on 25<sup>th</sup> April 2022

Submit your idea : within 6 words

### Best Innovative Idea

#### Competition

Online submission closes at

10:00 AM on 25<sup>th</sup> April 2022

Submit your idea : within 500 words

### IP Day Lecture

Date: 26<sup>th</sup> April, 2022 (Tuesday)

Speaker: Ms. Anjali Aeri, World Intellectual Property Organization, Switzerland

Time: 4.00 PM IST

meeting link: [meet.google.com/htd-wbcz-nxg](https://meet.google.com/htd-wbcz-nxg)

Organized By

**DPIIT IPR Chair, TUIPR Cell**

**Tezpur University**

IMAGE SOURCE: World Intellectual Property Organization: <https://www.wipo.int/ip-outreach/en/ipday/2022/youth-gallery.html>

Send entries for competitions to: [worldipday\\_tuipr@tezu.ernet.in](mailto:worldipday_tuipr@tezu.ernet.in)

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## Results of the World IP Day 2022 events

### IP Quiz Competition:

- **Champion Team:** Ms. Sandhyatora Saikia & Mr. Ninad Batsa
- **Runners Up Team:** Mr. Koustuv Moni Bora & Mr. Abhilash Das

Specialty designed IP Day 2022 Quiz T-Shirt for all the Quiz participants



### Slogan Writing Competition:

- **1<sup>st</sup> Prize:** Mr. Manoj Mallah
- **2<sup>nd</sup> Prize:** Mr. Dinkur Borah



### Innovative Idea Competition:

- **1<sup>st</sup> Prize:** Mr. Rajjul Hussain



## Programme of the events organized for IP Day 2022



### World Intellectual Property Day

April 26<sup>th</sup>, 2022

*Organized by*

DPIIT IPR Chair, TUIPR Cell, Tezpur University

Theme of Celebration: **IP and Youth: Innovating for a Better Future**



Time	Details of the Events
2.20 PM -2.30 PM	Inauguration of the World Intellectual Property Day Celebration
2.30 PM-4.00 PM	IP Day Quiz (preliminary round)
4.00 PM-5.00 PM	IP Day Lecture by Ms. Anjali Aeri, World Intellectual Property Organization, Switzerland (Online Mode)
5.00 PM-6.00 PM	IP Day Quiz (final round)
6.00 PM -6.30 PM	Prize distribution to the Winners and Vote of Thanks



## The IP Day Speaker:



**Anjali Aeri**

Counsellor

PCT International Cooperation Division, Legal and International Affairs Department,  
Patents & Technology Sector,  
World Intellectual Property Organization (WIPO)

Ms. Anjali Aeri, a national of Canada, has worked at WIPO in Geneva, Switzerland for more than a decade, implementing various legal reforms to the *Patent Cooperation Treaty (PCT)*, and providing legal advice to patent applicants and industrial property Offices on the Treaty and its Regulations.

In her role as Counsellor, she designs and delivers Programs and Seminars in the area of international cooperation under the PCT, vis-à-vis national patent Offices, intergovernmental organizations, and member States of WIPO, given her extensive experience in the provision of capacity building and technical assistance activities, notably within Asia & the Pacific.

Prior to joining WIPO, Anjali commenced her career at the Canadian Intellectual Property Office, Patent Branch, contributing to the enhancement of patent policy initiatives, and fostering of IP & innovation in Canada.

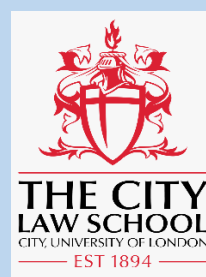
Anjali holds a Bachelor of Arts, Honours Degree in Law, and an LL.M. - Master's Degree in International Law from the Graduate Institute of International and Development Studies in Geneva, Switzerland. She is co-author of the publication: "*Whither the Proof? The Progressive Reversal of the Burden of Proof in Environmental Cases before International Courts and Tribunals*" (Journal of International Dispute Settlement, Oxford University Press, December 2017) and speaks both English and French.



Week- long Online International Workshop On

# **“Intellectual Property Rights for the Promotion and Protection of Innovations”**

**May 16 - 21, 2022**



Organized by

**IQAC Gargaon College**

Simaluguri, Assam, India, PIN-785686

*In collaboration with*

**DPIIT-IPR Chair at TUIPR Cell**

Tezpur University (A central University)

Naaam, Tezpur, Sonitpur, Assam, India, PIN-784028

&

**IPEG, The City Law School, City, University of London**

Northampton Square, London EC1V 0HB, United Kingdom

## **ABOUT THE WORKSHOP**

Innovation and creativity play a pivotal role in the growth and development of any knowledge. In India there is an abundance of innovative and creative energies. With the growing significance of Intellectual Property (IP) in this age of globalization, it is vital to know which IP systems play role in the development of the Nation. So, it is essential to create huge public awareness about the crucial role of IPR. With the view of creating awareness on the importance of IPR to the masses, Gargaon College in collaboration with collaboration with DPIIT-IPR Chair at TUIPR Cell, Tezpur University and Intellectual Property Engagement Group (IPEG), The City Law School, City, University of London is organizing an International Workshop on Intellectual Property Rights from 16th to 21st May, 2022. The six-day workshop is intended to cover various aspects of IPR like Patents, Copyrights, Trademarks, etc. The technical sessions will be led by the speakers having thorough knowledge in the subject who have been practicing in the field for many years. The expected participants of the program include Faculties, Research Scholars, Students and Grass Root Innovators.

## **ORGANIZING COMMITTEE**

### **Chief Patrons**

Dr. Sabyasachi Mahanta Principal, Gargaon College

Prof. Pritam Deb DPIIT Chair Professor, Intellectual Property Rights Cell Tezpur University (Central University)

### **Patrons**

Dr. Surajit Saikia IQAC Coordinator, Gargaon College

Dr. Enrico Bonadio, Reader in Intellectual Property Law, The City Law School City, University of London

### **Convenor**

Dr. Pakiza Begum Assistant Professor, Department of Chemistry

### **Joint Coordinators**

Dr. Koushik Saikia, Research Assistant, DPIIT IPR, Tezpur University

Ms. Pimily Langthasa, Assistant Professor, Department of Zoology

Ms. Ankika Dutta, Assistant Professor Department of Economics

## **Members**

Dr. Ratna Das, Assistant Professor, Department of Education  
Ms. Shyamolima Saikia, Assistant Professor, Department of English  
Mr. Yuvaraj Gogoi, Assistant Professor, Department of Political Science  
Mr. Rituraj Tahu, Assistant Professor, Department of Chemistry  
Ms. Devajani Bakalial, Assistant Professor, Department of Assamese  
Mr. Harekrishna Mili, Assistant Professor, Department of Mathematics  
Ms. Bornali Dutta, Assistant Professor, Department of Statistics  
Mr. Boluram Das, Assistant Professor, Department of History  
Dr. Chirantan Bhagawati, Assistant Professor, Department of Geology  
Dr. Rituraj Neog, Assistant Professor, Department of Geography  
Mr. Jayanta Sonowal, Assistant Professor, Department of Physics  
Mr. Gautam Hazarika, Assistant Professor, Department of Commerce  
Dr. Rashmi Dutta, Assistant Professor, Department of Zoology  
Ms. Saheen Shehnaz Begum, Assistant Professor, Department of Chemistry

## **Technical Team**

Dr. Pankaj Nath, Librarian, Gargaon College  
Dr. Dimbeswar Das, Assistant Professor, Department of Botany  
Mr. Nilutpal Chutia, Assistant Professor, Department of Economics

## DETAILED PROGRAMME

Date: 16<sup>th</sup> to 21<sup>st</sup> May, 2022

Mode: Zoom

Platform

Date	Time (IST)	Topic	Speaker
May 16 <sup>th</sup> , 2022	11:00 AM to 11:30 AM	Inauguration	Dr. Sabyasachi Mahanta
	11:30 AM to 12:30 PM	Protect your Creations with a Strategy	Prof. Pritam Deb
	01:00 PM to 02:00 PM	Intellectual Property and Developing Countries	Ms. Moumita Gorai
May 17 <sup>th</sup> , 2022	06:30 PM to 07:30 PM	Relevance of IP and Innovation in India	Mohd. Shadab Danish
May 18 <sup>th</sup> , 2022	06:30 PM to 07:30 PM	Covid-19: Innovation and Access Dilemma	Md. Ataul Karim
May 19 <sup>th</sup> , 2022	05:30 PM	Online presentation of Innovative Ideas: 5 min per presentation	Participants
May 20 <sup>th</sup> , 2022	12:30 PM to 01:30 PM	Standard Essential Patents	Dr. Enrico Bonadio
	06:30 PM to 07:30 PM	Introduction to Intellectual Property Rights	Mr. Debasish Dutta
May 21 <sup>st</sup> , 2022	06:00 PM to 07:00 PM	Second-tier Patent System for the Protection of Innovation of Small and Medium Enterprises	Ms. Lihini De Silva
	07:00 PM to 07:30 PM	Valedictory Session and announcement of Winner	

## A BRIEF REVIEW REPORT OF THE WORKSHOP

**Date:** 16-05-2022

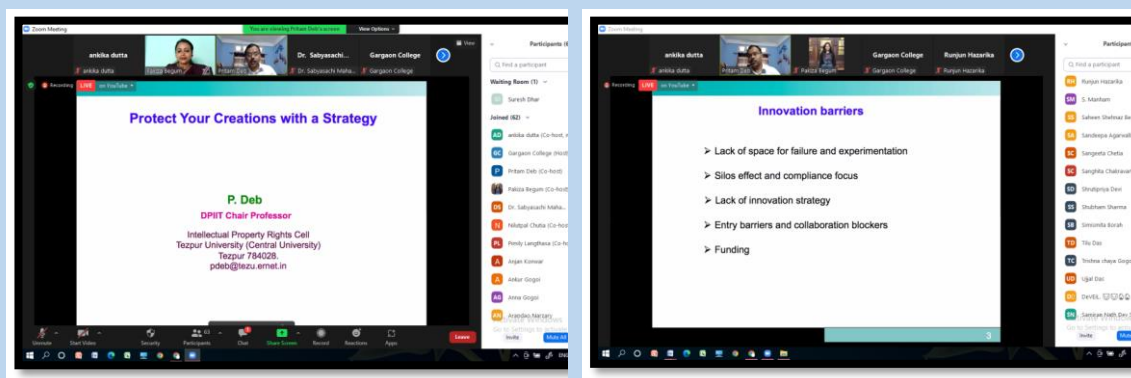
**Session 1:** 11:30 AM to 12:30 PM

**Speaker:** Prof. Pritam Deb, DPIIT-IPR Chair Professor in Tezpur University

**YouTube Link:** <https://www.youtube.com/watch?v=vD4GBO6RhqQ>

**Hosted by:** Dr. Pakiza Begum

The speaker of the first session was Prof. Pritam Deb, DPIIT-IPR Chair Professor in Tezpur University, who spoke on the topic “Protect your Creations with a Strategy”. He started his session by talking about the importance of innovation as a critical element for accelerating solutions. He said that there is the need to tap the global, national as well the local brain. He further discussed about the different barriers to innovation including lack of space for failure and experimentation, silos effect and compliance focus, lack of funding etc to mention a few and how Educational and R & D institutions, Funding agencies, Industry, Entrepreneur, NGOs, Government agencies etc can act as the important stake holders in empowering and promoting research and innovation in an economy. He mentioned about some of the patented inventions including the *indelible ink and also talked about the ‘RING FENCE’ of IP.*



**Date:** 16-05-2022

**Session 2:** 01:00 PM to 02:00 PM

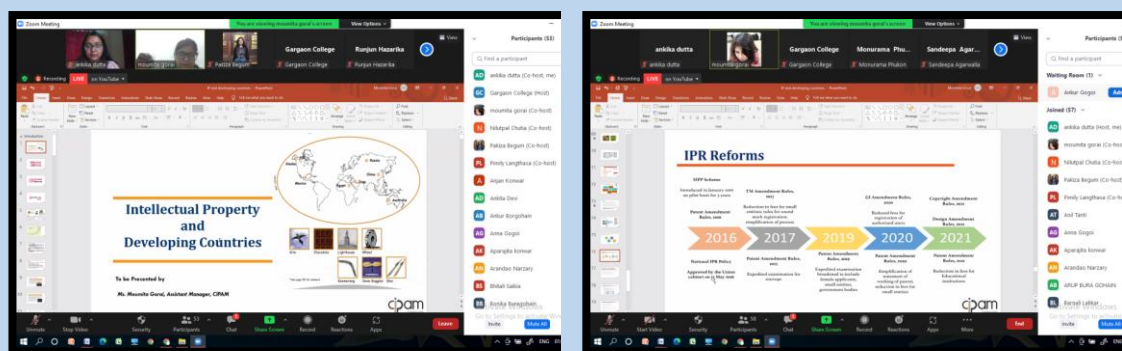
**Speaker:** Ms. Moumita Gorai, Assistant Manager, CIPAM

**YouTube Link:** <https://www.youtube.com/watch?v=vD4GBO6RhqQ>

**Hosted by:** Ms. Ankika Dutta

The speaker of the second session was Ms. Moumita Gorai, Assistant Manager, CIPAM (Cell for IPR Promotion and Management), who spoke on the topic “Intellectual Property and Developing Countries”. She started her session by mentioning about the historical background of innovations. She gave examples of some of the oldest (pre historic) era

innovations to the innovations in the current era. She further discussed about the need for IPR in the world and about the strategies adopted by the developing countries to promote and protect innovations. She mentioned that balancing the interest of different stakeholders is an inherently economic as well as political exercise which has important social implications. She also talked about the TRIPS Provision, about the inadequate IPR awareness among the people and about the recent IPR reforms.



**Date:** 17-05-2022

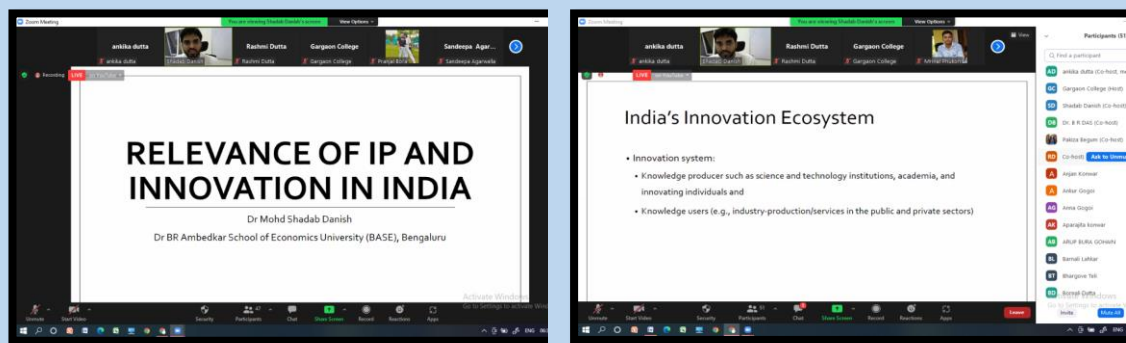
**Session 3:** 06:30 PM to 07:30 PM

**Speaker:** Mohd. Shadab Danish, Assistant Professor, Dr. B. R. Ambedkar School of Economics University, Bengaluru (BASE)

**YouTube Link:** <https://www.youtube.com/watch?v=omgHbbYoce8>

**Hosted by:** Dr. Rashmi Dutta

The speaker of the third session was Mohd. Shadab Danish, Assistant Professor, Dr. B. R. Ambedkar School of Economics University, Bengaluru (BASE). He spoke on the topic "Relevance of IP and Innovation in India". He started his session by giving a brief introduction of innovation and the appropriation problem related to innovation. He further discussed about market failures and innovations, India's Innovation Ecosystem, World of frugal innovation, patent policies in India and also about the value of innovation in India. At the end he highlighted the need of IP awareness, increased R & D, increased participation of private sector etc. as some of the essential elements for the promotion and protection of innovation in India.



**Date:** 18-05-2022

**Session 4:** 06:30 PM to 07:30 PM

**Speaker:** **Md. Ataul Karim**, Tutor at Munich Intellectual Property Law Center (MIPLC-Max Planck Institute), Munich, Germany

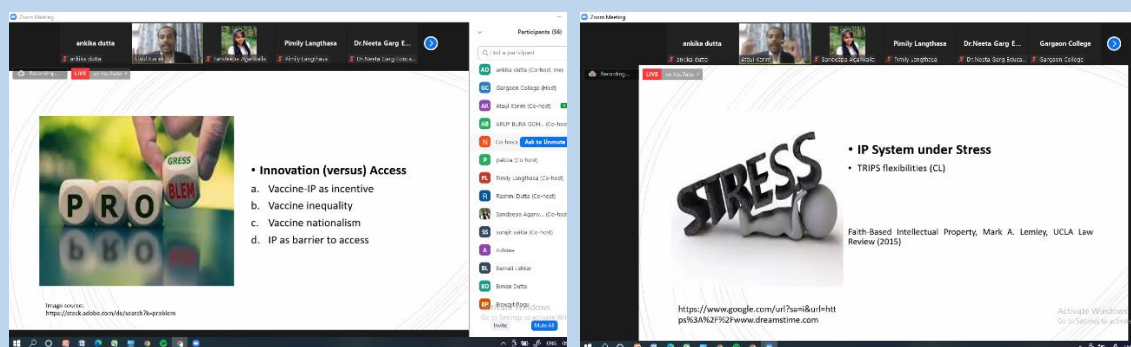
**YouTube Link:** <https://www.youtube.com/watch?v=bJIG89nLqio&t=3371s>

**Hosted by:** Ms. Sandeepa Agarwalla

**Vote of thanks:** Mr. Harekrishna Mili

Md. Karim's talk was entitled "Covid-19: Innovation and Access Dilemma" in which he tried to instigate thoughts in our minds for further direction. He talked about how innovations flourished during hard times like Covid-19, where we started with a big problem along with an opportunity. From the perspective of innovation in case of Covid-19 situation, he described how they are related as two sides of the same coin: innovation vs. access. He discussed about issues like: vaccine-IP as incentive, vaccine inequality, vaccine nationalism and IP as barrier of access. He further focussed on how the extensive support packages run the risk of damaging forthcoming productivity development due to reduced creative destruction, i.e., the cleansing of the least productive firms in the economy in the competitive process. That this risk is positively related to the generosity of the support and the length of the support period. He also talked about the risk and resilience factors at multiple ecological levels that influence individuals' mental health and wellbeing in their everyday lives and, more specifically, in disaster or outbreak situations. He further discussed how the trilateral initiatives of WTO, WHO and WIPO can collaborate each other, create a better framework about innovation at the same time about the access paradigm in terms of the critical situation. For which there is a need to go beyond IP system and develop a global pandemic framework so that we will be future ready for such type of situations.





**Date:** 19-05-2022

**Session 5:** 01:00 PM to 02:00 PM

**Speaker:** **Mr. Debasish Dutta**, Scientist-B, Patent Information Centre (PIC), Science & Technology Division of Assam Science Technology & Environment Council (ASTEC)

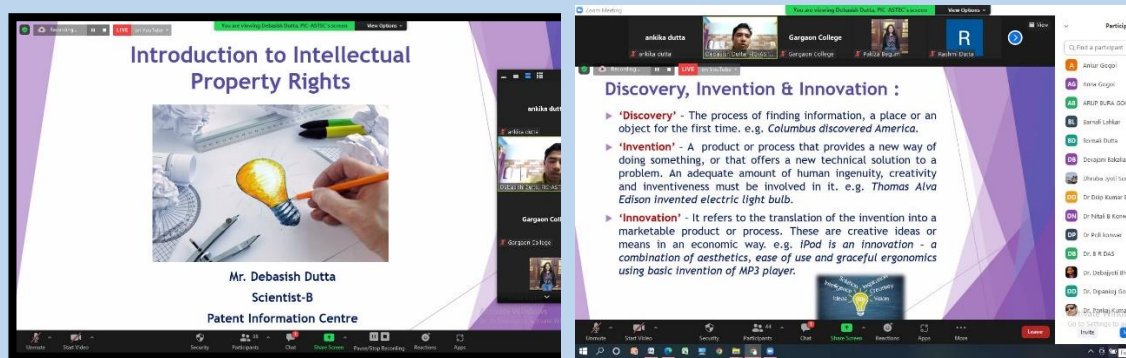
**YouTube Link:** [https://www.youtube.com/watch?v=bL9BC8ckc\\_Q&t=10s](https://www.youtube.com/watch?v=bL9BC8ckc_Q&t=10s)

**Hosted by:** Ms. Ankika Dutta

*(His talk was scheduled on 20/05/2022 from 06:30 PM to 7:30 PM. However, due to unavoidable circumstances Mr. Dutta's talk has to reschedule)*

Mr. Debasish Dutta, the speaker for the fifth session's talk was entitled "Introduction to Intellectual Property Rights". He has explained about six forms of IP rights out of seven total rights. He discussed that Intellectual property is a category of property that comprises intangible creations of the human intellect which primarily encompasses copyrights, patents and trademarks. It comprises of other types of rights including trade secrets, promotional rights, ethical rights and rights against biased competition. Artistic works like literature and music, some discoveries, inventions, symbols and designs can all be protected as intellectual property. He has explained the filing procedure and the process involved; the duration for which the rights are provided and discussed the precautions to be taken before applying patent in order to maintain the novelty of the invention. The basic criteria that one needs to file for a right includes: novelty of the invention, non-obviousness to a person skilled in the art and its industrial applicability. He further discussed how both economic as well as moral rights can be protected by IPRs and the international treaties like Berne convention and TRIPS agreement can help protect these rights in the 164 WTO member countries. The IPRs can create value and attract premium from customers; ensuring a symbol of purity. Thus, increasing the commercial value of the product. In summary, he briefed that the Intellectual property rights are the rights given to persons over the creations of their minds: inventions, literary and artistic works, and symbols,

names and images used in commerce. They usually give the inventor an exclusive right over the use of his/her creation for a definite period of time.



**Date:** 19-05-2022

**Time:** 05:30 PM to 07:30 PM

**Hosted by:** Ms. Pimily Langthasa

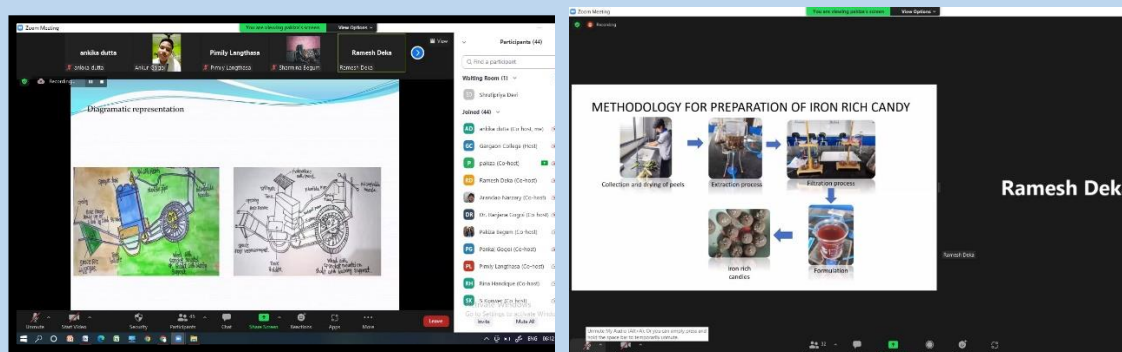
On 19<sup>th</sup> May, 2022 a competition on the theme “Innovative ecosystem” was organized to provide an opportunity to the young minds to showcase their innovative ideas. The judges of the competition included:

- **Dr. Ramesh chandra Deka**, Prof., Department of Chemical sciences, Tezpur University
- **Dr. Surajit Konwer**, Asst Prof., Department of Chemistry, Dibrugarh University
- **Dr. Rina Handique**, Vice Principal & HOD, Department of Zoology, Gargaon College
- **Dr. Ranjana Gogoi**, HOD, Department of Statistics, Gargaon College
- **Dr. Arandao Narzary**, Assistant Professor, Department of Chemistry, Gargaon College
- **Dr. Koushik Saikia**, Research Assistant, DPIIT IPR, Tezpur University
- **Dr. Pankaj Gogoi**, Department of Chemistry, Sipajhar College

## NAME OF WINNERS

Prize	Name	Categ ory	Institution	Topic of Presentation
1 <sup>st</sup>	Ankur Gogoi	UG	Gargaon College, Assam	Manual or solar wheeler Agricultural biofertilizer sprayer

2 <sup>nd</sup>	Lobsang Tashi Sharmina Begum Gouranga Boruah	UG	University of Science and Technology, Meghalaya	Dietoaceuticals for the Famine Neighbourhood
3 <sup>rd</sup>	Ansuman Sensowa Anupam Dey Rummanna Yesmin Ahmed Sadikur Rohman	UG	Gargaon College, Assam	Electro-solar induction



**Date:** 20-05-2022

**Session 6:** 12:30 PM to 01:30 PM

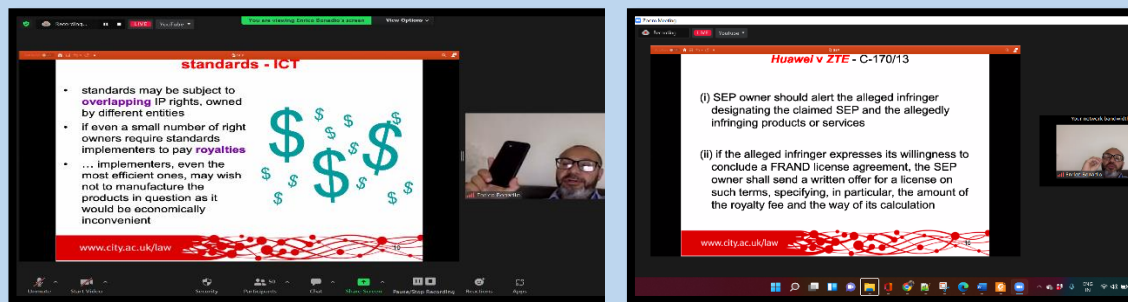
**Speaker:** Dr. Enrico Bonadio, Reader, Intellectual Property Law, The City Law School, City, University of London

**Hosted by:** Ms. Saheen S. Begum

**Vote of thanks:** Dr. Pakiza Begum

Dr. Bonadio's talk was entitled "Standard Essential Patents". In his talk he deliberated how changes in the global economic environment have influenced the development of business models where intellectual property is a central element establishing value and potential growth. He discussed how the Intellectual property had grown into one of the world's biggest and fastest-growing fields of law using several real-life examples. He briefed about the recent wars between the smartphone giants over the patent matters have brought attention into the importance of Standard Essential Patents (SEPs). SEPs are patents crucial to implement a specific industry standard. He further explained how that implied to manufacture standard compliant mobile phones, tablets and other electronic devices, such manufacturers will have to use technologies that are covered by one or more SEPs. He stated that standards are technical requirements or specifications that seek to provide a

common design for a product or process. He also discussed how the framework conferred considerable power on the SEP holder and using such a technological standard needed prior permission from an SEP holder, which the latter may choose to withhold by refusing to license its Patent. In his deliberation, he discussed how the FRAND declaration attempted to balance inequalities with the idea that an entity should have the right to obtain a license to desired technology on FRAND terms. But, working out a FRAND-encumbered arrangement and determining what constituted a FRAND practice was controversial.



**Date:** 21-05-2022

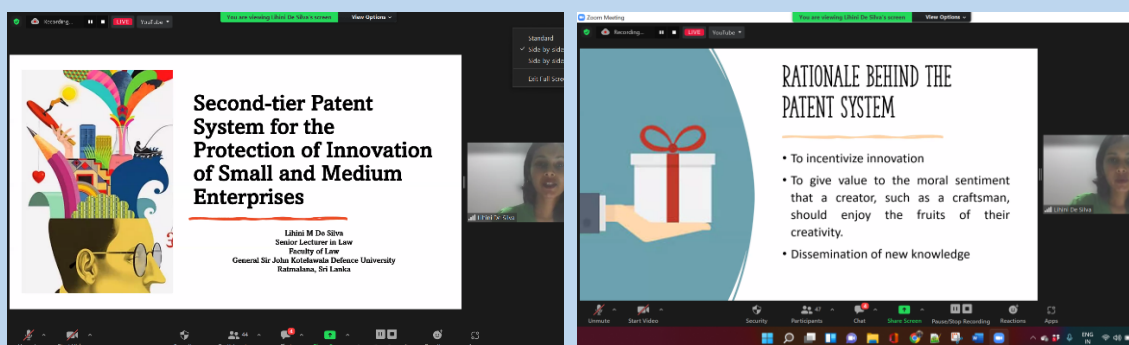
**Session 7:** 06:00 PM to 07:00 PM

**Speaker:** Ms. Lihini Madushika De Silva, Senior Lecturer in Law at Faculty of Law, General Sir John Kotelawala Defence University, Sri Lanka

**Link:** <https://www.youtube.com/watch?v=yHLnvhezlok>

**Hosted by:** Ms. Pimily Langthasa

Ms. Silva's talk was on the topic "Second-tier Patent System for the Protection of Innovation of Small and Medium Enterprises". In her session she focused on the need of incentivising the creator in order to uplift them as well as to value their moral sentiment as the innovations had contributed towards making our life easy. The necessity for dissemination of new knowledge in order to benefit from the ideas for overall development. On one side, the innovator will be awarded and the society will also benefit from their innovations. She discussed how the minor innovations fail to acquire recognition and face difficulties in applying patents and it is where the 2<sup>nd</sup> tier patents help; which had been adopted by 75 countries. This is one of the best options for developing countries and she had shown various statistical data on how the utility model/2<sup>nd</sup> tier patent encouraged the innovators for which the number of applications had been higher as compared to that of patents. She let us know how the 2<sup>nd</sup> tier patents had actually encouraged innovators to a great extent.

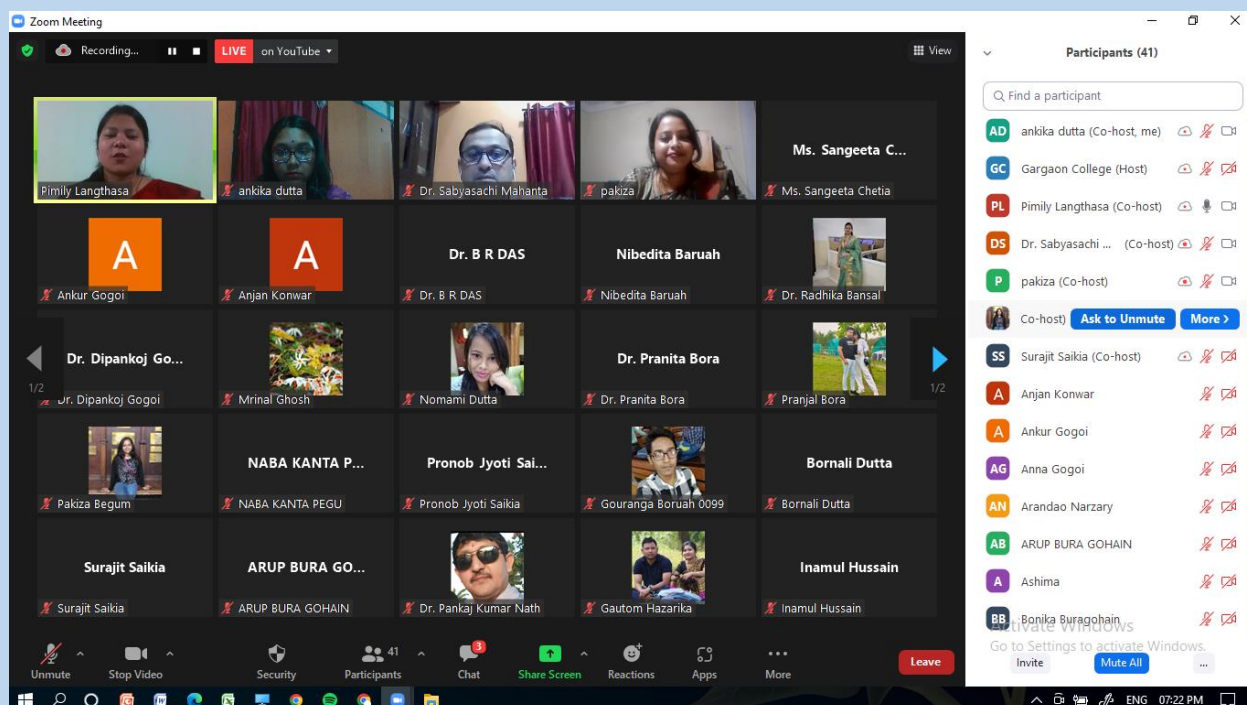


**Date:** 21-05-2022

**Time:** 07:00 PM to 07:30 PM

### Valedictory Session

This weeklong workshop concluded on May 21, 2022, with a valedictory function in which Dr. Sabyasachi Mahanta, Principal of Gargaon College, thanked all the resource persons and the participants for their active participation. He appreciated the endeavours of the organizers, as well as the judges of the competition. He further expressed his heartfelt gratitude towards the collaboration institutions and congratulated all the winners of the innovative ideas' competition.





## ABOUT THE SPEAKERS

Speaker	Details
<p><b>Prof. Pritam Deb</b></p>  <p>DPIIT IPR Chair Professor IPR Cell Tezpur University Tezpur, Assam, India</p>	<p>Prof. Pritam Deb is DPIIT-IPR Chair Professor in Tezpur University and holds position of Professor in the Department of Physics, Tezpur University (Central University). He was a Max Planck Fellow of Max Planck Institute of Iron Research, Dusseldorf, Germany. He did his Ph.D. in Nanoscience from Jadavpur University and his research achievements include nine applied patents and two granted software copyrights, besides numerous research papers in reputed journals. During his tenure as Coordinator of the IPR Cell, he has spearheaded many innovative IPR activities in the campus -- Best Innovative Idea Competition, IPR Quiz, IP Day Talk etc as part of World IP Day Celebration.</p> <p>Besides teaching technical nuances to the students enrolled for the courses on IPR, he has also been working for initiating many industry academia research collaborations as part of the efforts initiated for creating a Pro- Industry research platform in the University. He envisions and has been working towards transforming TUIPR Cell into a prime facilitating center for IPR related issues for the entire North East region. Prof. Deb has received the prestigious Visitor's Award for Technology Development for the year 2020.</p>
<p><b>Dr. Enrico Bonadio</b></p>  <p>Reader in Intellectual Property Law, The City Law School City, University of London Northampton Square, London</p>	<p>Enrico Bonadio is Reader at City, University of London. He teaches, lectures and advises in the field of intellectual property (IP) law. He has been delivering classes and talks in more than 110 universities and institutions around the world. His current research agenda focuses on – inter alia – the intersection between IP and technology as well as copyright protection of non-conventional forms of creativity. Enrico practised as IP attorney for several years in top-tier international law firms. He also regularly joins training and technical assistance missions organised by WIPO.</p> <p>He is member of ATRIP (International Association for the Advancement of Teaching and Research in Intellectual Property), BLACA (British Literary and Artistic Copyright Association) and The Law Society of England and Wales.</p>
<p><b>Md. Ataul Karim</b></p>	<p>(Mohammad Ataul Karm is an advocate, academic and legal researcher, currently serving as a Tutor at Munich Intellectual Property Law Center (MIPLC-Max Planck Institute), Munich, Germany. Prior to this position, he worked as a Senior Lecturer of Law at the East West University, Bangladesh for five years. He is also an enrolled Advocate at Supreme Court of Bangladesh. He holds LLB (Honours) and LLM degree from the University of Dhaka,</p>



Tutor at Munich Intellectual Property Law Center (MIPLC-Max Planck Institute), Munich, Germany

Bangladesh, an LLM in Intellectual Property Law from the WIPO Academy and Ankara University, and an LLM in IP and Competition Law from MIPLC, Munich, Germany. His research papers have been published in well reputed academic journals, including Queen Mary Journal of Intellectual Property Law, Journal of Intellectual Property and Practice and Journal of World Intellectual Property. His areas of interest are: Intellectual Property, Innovation and Competition law.

He has been awarded with University Grants Commission (UGC) of Bangladesh Gold Medal, 2016 for the best research publication in law.

### **Ms. Lihini De Silva**



Senior Lecturer in Law  
Faculty of Law  
General Sir John Kotelawala  
Defence University  
Ratmalana, Sri Lanka

Lihini De Silva is a Senior Lecturer in Law in Faculty of Law, General Sir John Kotelawala Defence University, Sri Lanka. She is serving as an Attorney-at-Law of the Supreme Court of Sri Lanka, Commissioner for Oaths and Registered Company Secretary. She did her M. Phil from University of Colombo, Sri Lanka; LLB from Faculty of Law, University of Colombo, Sri Lanka.

She teaches in the areas of: Law of Contracts, Administrative Law, Company Law, Legal Systems and Legal History of Sri Lanka, Equity and Law of Trusts, Law of Space, Construction Law.

Her Research Interests include: Protection of Geographical Indications, Trade Secret Law, Administrative Law.

### **Ms. Moumita Gorai**



Assistant Manager  
Cell for IPR Promotion and  
Management (CIPAM)

Moumita Gorai is an Assistant manager at. She did her post graduate diploma in Intellectual property rights, PGCPP (Post graduate certificate in patent practices), B.tech and M.tech in Biotechnology, IPR Management perspective, Academic writing,

She worked as Innovation Associate for 3.8 years in National innovation foundation (autonomous body of Department of Science & Technology) then worked in SAI (Sport authority of India), Fit India division, for 1 year.

She worked in novelty analysis and prior art search for Traditional knowledge and assessed innovation on field for the participants of INSPIRE Awards-MANAK.



### **Mr. Debasish Dutta**



Scientist-B  
Patent Information Centre (PIC)  
Science & Technology Division of  
Assam Science Technology &  
Environment Council (ASTEC)

Mr. Debasish Dutta is the Scientist-B of Patent Information Centre (PIC) - a State Science Technology Programme under the Department of Science & Technology, Govt. of India, which functions under the Science & Technology Division of Assam Science Technology & Environment Council (ASTEC).

His primary job responsibilities at the centre include IPR consultation, Patent searches, analysis of patentability, Geographical Indications (GI) filing and Authorised Users registration, awareness creation on Intellectual Property Rights, motivation of young innovators etc. As a part of PIC's objectives, he has been actively participating as a resource person in various workshops, seminars, IPR camps etc. along with other science & technology related works of the Council.

### **Mohd. Shadab Danish**



Assistant Professor  
Dr. B. R. Ambedkar School of  
Economics University, Bengaluru  
(BASE)

Mohd. Shadab Danish is an Assistant Professor Dr. B. R. Ambedkar School of Economics University, Bengaluru (BASE). He did his PhD (2021) in Economics from Indian Institute of Technology, Indore, India. He completed his M.Phil. in Economics from University of Hyderabad, India in 2016 and MA Economics from Aligarh Muslim University, India 2013.

The subjects he teaches include Indian Financial System, Research Methodology.

His Research/Academic Interest covers: General Areas of Interest: Economics of innovation and Technology Management, International Economics, Microeconomics.

His Specific Areas of Interest: Innovation and IPR policy, Incentives of patent policy, Economic valuation of patents.

## NEWS PAPER CLIPPINGS OF THE EVENT



Published in “The Sentinel” newspaper on  
18<sup>th</sup> May, 2022

Published in “The Sentinel” newspaper on  
26<sup>th</sup> May, 2022



Published in “Dainik Batori Kakot”, an  
assamese newspaper on 27<sup>th</sup> May, 2022

Published in “Dainandin Batra”, an  
assamese newspaper on 27<sup>th</sup> May, 2022



# BROCHURE OF THE WORKSHOP

## Registration Details

Participants can register at  
<https://forms.gle/hvuHCHW4RQmRWQyh6>

### Registration Fee

Students (UG/ PG) - INR 100  
 Research Scholars/ Post-Doctoral Fellows - INR 300  
 Faculty Members/ Scientists - INR 500  
 Foreign Delegates - INR 1000

### Bank Account details

Account Number: 4558101002762  
 Account Name: Gargaon College Add On Course  
 Address: Canara Bank, Nazira  
 IFSC Code: CNRB0004558

### Guidelines for Participation

- Participants will have to fill up the online application form given in the registration link and upload the scanned copy of the fees paid in the same form.
- After successful registration, they will be directed to join the whatsapp group.
- Details of programme will be uploaded in the whatsapp group.
- It is compulsory for the participants to attend all the sessions in order to receive the certificate of participation.
- Feedback form will be shared on a daily basis during every session and participants have to submit the feedback for each session.
- In case of any queries, the participants can contact us through the contact details.

### Contact Details

Dr. Pakiza Begum  
 Assistant Professor  
 Department of Chemistry, Gargaon College  
 Email: [pakiza.gc20@gmail.com](mailto:pakiza.gc20@gmail.com)

Contact: +91- 8486068270  
 +91- 9401941213  
 +91- 9954272431

## ABOUT THE INTERNATIONAL WORKSHOP

Innovation and creativity play a pivotal role in the growth and development of any knowledge. In India there is an abundance of innovative and creative energies. With the growing significance of Intellectual Property (IP) in this age of globalization, it is vital to know which IP systems play role in the development of the Nation. So, it is essential to create huge public awareness about the crucial role of IPR. With the view of creating awareness on the importance of IPR to the masses, Gargaon College in collaboration with DPIIT-IPR Chair at TUIPR Cell, Tezpur University and Intellectual Property Engagement Group (IPEG), The City Law School, City, University of London is organizing an International Workshop on Intellectual Property Rights from 16th to 21st May, 2022. The six-day workshop is intended to cover various aspects of IPR like Patents, Copyrights, Trademarks, etc. The technical sessions will be led by the speakers having thorough knowledge in the subject who have been practicing in the field for many years. The expected participants of the program include Faculties, Research Scholars, Students and Grass Root Innovators.

## Innovative Idea Competition

May 19th, 2022  
 05:30 PM Onwards

Theme: Innovation Ecosystem  
 Categories: UG and PG

### Cash Prizes

1st Rs. 5000  
 2nd Rs. 2000  
 3rd Rs. 1000

- Registration is compulsory
- All the participants will get certificates
- The mode of presentation will be online
- Each participant/Team will get 5 minutes for Power Point Presentation (not exceeding three slides)
- Individual or team, presentation to be given by one member

Participants should register for the competition and send the PPTs by May 17, using the following link  
<https://forms.gle/3TkaWvYr2AU6CkuWs7>



## Week-Long Online International Workshop

On

## "Intellectual Property Rights for the Promotion and Protection of Innovations"

May 16 - 21, 2022

Organized by

IQAC  
 Gargaon College

in collaboration with

DPIIT-IPR Chair, Tezpur  
 University  
 &  
 IPEG, The City Law School,  
 City, University of London

## SPEAKERS

### Prof. Pritam Deb



Prof. Pritam Deb is DPIIT-IPR Chair Professor in Tezpur University and holds position of Professor in the Department of Physics, Tezpur University, Central University. He was a Max Planck Fellow of Max Planck Institute of Iron Research, Dusseldorf, Germany. His research achievements include nine applied patents and two granted software copyrights, besides numerous research papers in reputed journals. He envisions and has been working towards transforming TUIPR Cell into a prime facilitating center for IPR related issues for the entire North-East Region. Prof. Deb has received the prestigious Visitor's Award for Technology Development for the year 2020  
<https://cutt.ly/gG2WUlc>

### Ms Lihini Madushika De Silva



L M De Silva is a Senior Lecturer in Law in Faculty of Law, General Sir John Kotelawala Defence University, Sri Lanka. She is serving as an Attorney-at-Law of the Supreme Court of Sri Lanka, Commissioner for Oaths and Registered Company Secretary. She teaches in the areas of: Law of Contracts, Administrative Law, Company Law, Legal Systems and Legal History of Sri Lanka, Equity and Law of Trusts, Law of Space, Construction Law. Her Research Interests include: Protection of Geographical Indications, Trade Secret Law, and Administrative Law  
<https://cutt.ly/IG2tGnt>

### Mr. Debasish Dutta



Mr. Debasish Dutta is the Scientist-B of Patent Information Centre (PIC) - a State Science Technology Programme under the Department of Science & Technology, Govt. of India, which functions under the Science & Technology Division of Assam Science Technology & Environment Council (ASTEC). His primary job responsibilities at the centre include IPR consultation, Patent searches, analysis of patentability, Geographical Indications (GI) filing and Authorised Users registration, awareness creation on Intellectual Property Rights, motivation of young innovators etc. As a part of PIC's objectives, he has been actively participating as a resource person in various workshops, seminars, IPR camps etc. along with other science & technology related works of the Council.

### Dr. Enrico Bonadio



Enrico Bonadio is Reader at City, University of London. His current research agenda focuses on - inter alia - the intersection between IP and technology as well as copyright protection of non-conventional forms of creativity. He practised as IP attorney for several years in top-tier international law firms and regularly joins training and technical assistance missions organised by WIPO. He is member of ATRIP (International Association for the Advancement of Teaching and Research in Intellectual Property), BLACA (British Literary and Artistic Copyright Association) and The Law Society of England and Wales  
<https://cutt.ly/gG2Wkay>

### Ms. Moumita Gorai



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<https://cutt.ly/IG2tVhst>

### Md. Ataul Karim



Md. A Karim is a Tutor at Munich Intellectual Property Law Center (MIPLC-Max Planck Institute), Munich, Germany. Prior to this position, he worked as a Senior Lecturer of Law at the East West University, Bangladesh for five years. He is also an enrolled Advocate at Supreme Court of Bangladesh. His research papers have been published in well reputed academic journals, including Queen Mary Journal of Intellectual Property Law, Journal of Intellectual Property and Practice and Journal of World Intellectual Property. His areas of interest are: Intellectual Property, Innovation and Competition Law. He has been awarded with University Grants Commission (UGC) of Bangladesh Gold Medal for the best research publication in law  
<https://cutt.ly/gG2xxs5>

### Mohd. Shadab Danish



Mohd Shadab Danish is working as Assistant Professor in Dr. B. R. Ambedkar School of Economics University, Bengaluru (BASE). He teaches in the area of economics of innovation, patent valuation, and technology transfer. He has completed his Ph.D. from the Indian Institute of Technology (IIT) Indore and MPhil from the University of Hyderabad. His work has been published in Technology Analysis and Strategic Management, International Journal of Innovation and Management, Journal of Scientometrics, Transnational corporation review, and Energy Economics  
<https://cutt.ly/IG2UjxQ>

## SCHEDULE

Inauguration: May 16th, 2022  
 Time (IST): 11:00 AM to 11:30 AM



Inaugurator  
 Dr. Sabhyasachi Mahanta  
 Principal, Gargaon College

Date	Time (IST)	Topic	Speaker
May 16 <sup>th</sup>	11:30 AM - 12:30 PM	Protect your Creations with a Strategy	Prof. Pritam Deb
	01:00 PM - 02:00 PM	Intellectual Property and Developing Countries	Ms. Moumita Gorai
May 17 <sup>th</sup>	06:30 PM - 07:30 PM	Relevance of IP and Innovation in India	Mohd. Shadab Danish
May 18 <sup>th</sup>	06:30 PM - 07:30 PM	Covid-19: Innovation and Access Dilemma	Md. Ataul Karim
May 19 <sup>th</sup>	05:30 PM Onwards	Online presentation of Innovative Ideas	Participants
May 20 <sup>th</sup>	12:30 PM - 01:30 PM	Standard Essential Patents	Dr. Enrico Bonadio
	06:30 PM - 07:30 PM	Introduction to Intellectual Property Rights	Mr. Debasish Dutta
May 21 <sup>st</sup>	06:00 PM - 07:00 PM	Second-tier Patent System for the Protection of Innovation of Small and Medium Enterprises	Ms. Lihini De Silva
	07:00 PM - 07:30 PM	Valedictory Session and announcement of Winner	



<https://tinyurl.com/46xcv6sy>



**GARGAON COLLEGE**

One of the oldest and illustrious institutions of higher education in Assam, Gargaon College was established on 7th September 1959. With a commitment to achieve excellence in higher learning, the college has been working relentlessly for the development of the learner as well as the furtherance of social good. The motto of Gargaon College is "to provide quality education by infusing a new spirit among the learners." Located in the heart of Gargaon, the college is fourteen kilometers to the east of Sivasagar town and well connected by road and rail. The college has a vast green campus set in peaceful surroundings. Its verdant setting makes it an exclusive destination from the environmental and ecological point of view. The college is committed towards growing into a center of excellence and sustaining its historical legacy to be the best by catering to all the needs of the learners.

Website: <http://gargaoncollege.ac.in/>

In 2020, the Department of Promotion of Industry and Internal Trade (DPIIT) under the Ministry of Commerce and Industries, Govt. of India has awarded the prestigious IPR Chair to Tezpur University under the Scheme of Pedagogy & Research in IPRs for holistic Education & Academia (SPRIHA). A key objective of this Cell is to integrate IPR with the education process to enhance the quality of thinking, propagate a culture of regard and respect for IPR and ensure speedy and accurate identification and protection of innovations arising out of the research work carried out in the University. The Cell also aims to aid grassroots innovators in the North-East region to help them realize commercial benefits of their innovations.

Website: [http://www.tezuernet.in/tuipr\\_cell/](http://www.tezuernet.in/tuipr_cell/)

**ORGANIZING COMMITTEE**

**CHIEF PATRONS**  
**Dr. Sabyasachi Mahanta**  
Principal, Gargaon College

**Prof. Pritam Deb**  
DPIIT Chair Professor, Intellectual Property Rights Cell  
Tezpur University (Central University)

**PATRONS**  
**Dr. Surajit Saikia**  
IQAC Coordinator, Gargaon College

**Dr. Enrico Bonario**  
Reader in Intellectual Property Law,  
The City Law School, City, University of London

**CONVENOR**  
**Dr. Pakiza Begum**  
Assistant Professor, Department of Chemistry

**JOINT COORDINATORS**  
**Dr. Koushik Saikia**, Research Assistant, DPIIT IPR, Tezpur University  
**Ms. Pimily Langthasa**, Assistant Professor, Department of Zoology  
**Ms. Ankika Dutta**, Assistant Professor Department of Economics

**MEMBERS**  
**Dr. Ratna Das**, Assistant Professor Department of Education  
**Ms. Shyamolima Saikia**, Assistant Professor Department of English  
**Mr. Yuvraj Gogoi**, Assistant Professor Department of Political Science  
**Mr. Rituraj Taha**, Assistant Professor Department of Chemistry  
**Ms. Devajani Bakallal**, Assistant Professor Department of Assamese  
**Mr. Harekrishna Mili**, Assistant Professor Department of Mathematics  
**Ms. Bornali Dutta**, Assistant Professor, Department of Statistics  
**Dr. Boluram Das**, Assistant Professor, Department of History  
**Dr. Chirantan Bhagawati**, Assistant Professor, Department of Geology  
**Dr. Rituraj Neog**, Assistant Professor, Department of Geography  
**Mr. Jayanta Sonowal**, Assistant Professor, Department of Physics  
**Mr. Gautam Hazarika**, Assistant Professor, Department of Commerce  
**Dr. Rashmi Dutta**, Assistant Professor, Department of Zoology  
**Ms. Saheen S Begum**, Assistant Professor, Department of Chemistry

**TECHNICAL TEAM**  
**Dr. Pankaj Nath**, Librarian, Gargaon College  
**Dr. Dimbeswar Das**, Assistant Professor, Department of Botany  
**Mr. Nilutpal Chutia**, Assistant Professor, Department of Economics

**DPIIT-IPR CHAIR, TEZPUR UNIVERSITY**



Tezpur University Intellectual Property Rights Cell (TUIPR Cell) was established in 2009 with a vision to develop human resource in the management of Intellectual Property Rights as an integral part of the innovation process and the innovation value chain in the University. The Cell has been involved in several IPR awareness and implementation programmes in the University Campus and also across the North East region. The Cell is gradually building IPR consciousness in the Region, not only within the institutions but also among different strata in the society.

**IPEG, THE CITY LAW SCHOOL, CITY, UNIVERSITY OF LONDON**



Located in the heart of legal London, The City Law School is the first law school in London to educate students and practitioners at all stages of legal education. Intellectual Property Engagement Group (IPEG) is a leading research centre of City Law School hosting national and international research funding. It organises regular events and seminars with guest speakers from institutions all over the world and hosts doctoral and postdoctoral scholars. Along with other research projects, Professor Elaine Fahey, Professor David Collins and Anthony Rogers, Dr Luke McDonagh and Dr Enrico Bonadio have been awarded funding for their project titled "TRILATTRADE: UK-EU-Japan Trade Relations: Modelling Trade, Regulation and IP." The project addresses these core pillars with three interlocking thematic strands: UK-Japan Trade, UK-EU-Japan Regulatory Cooperation and Data Flows, UK-EU-Japan Intellectual Property

Website: <https://www.city.ac.uk/research/centres/intellectual-property>

## LINKS

Registration link for Week-Long Online International Workshop on “Intellectual Property Rights for the Promotion and Protection of Innovations”

<https://forms.gle/hvuHCHW4RQmRWQyh6>

Link for Innovative Idea Competition among students

<https://forms.gle/3TkaWvr2AU6CkuWs7>



**One Day Workshop on**

**The Role of IPR in Supporting and Empowering**

**Women Innovators**

**On 12<sup>th</sup> September, 2022**

**Organized by**

**The Research, Innovation and Extension Committee of**

**M.D.K.G. College**

*Under the aegis of IQAC, M.D.K.G. College*

*In collaboration with*

**DPIIT IPR Chair, Tezpur University**

*Venue: Manohari Devi Kanoi girls' college, Dibrugarh*



Entrepreneurship has gathered momentum over time and many women entrepreneurs have also joined the fray. Especially indigenous knowledge and traditional life experiences are brought within the ambit of innovative ideas for entrepreneurs. Local communities and self help groups have become quite active in this regard. This initiative has not only encouraged people to search for employment opportunities on their own and provide employment for others but has also instilled confidence to further move forward in this positive initiative. Entrepreneurs, especially women entrepreneurs, embarking on this journey are often handicapped by their lack of knowledge regarding intellectual property rights which often act as an impediment in proper exposure of their products and reaping profit from it. Also, the competitive market makes things further difficult and not having proper understanding of intellectual property rights can even lead to legal consequences. The educational institutes can play a pivotal role in their capacity for empowering the women innovators with the knowledge and tools of IPR. In this aim, a one day workshop on the topic '*The Role of IPR in Supporting and Empowering Women Innovators*' and exhibition was organized by the Research, Innovation and Extension Committee of M.D.K.G. College under the aegis of IQAC, M.D.K.G. College and **in collaboration with DPIIT IPR Chair, Tezpur University**. The day long programme began with the welcome address by the Principal Dr. Nibedita Phukan. The moderator of the programme and also the co-ordinator of the Research, Innovation and Extension Committee, Dr. Rizia Begum Laskar, explained the objectives and necessity of the workshop especially in a women's college.



**Photo:** Participants while attending the programme (in left) and Prof. P. Deb during the deliberation of his lecture (in right).

The keynote speaker of this one day workshop was Prof. Pritam Deb, DPIIT Chair Professor, Tezpur University. Prof. Deb delivered his lecture on the topic “Innovation in Transforming Higher Education Landscape”. He spoke initially about the research and innovation and

emphasized on the fact that how innovations are the key components in societal development. He referred to the National Education Policy (NEP) and the importance placed on research and innovation in the policy. He also talked about new institutional structures which prioritize research areas like green technology, AI (artificial intelligence), block chain etc. Prof. Deb also talked about the introspection and recognition of potential innovations. He pinpointed the innovation barriers like lack of space for failure and experimentation, silos effect and compliance focus, lack of innovation strategy, entry barriers and collaboration blockers and funding. He suggested that institutions can adopt policies that would protect the interests of students and faculty. He shared a few success stories of entrepreneurs from North East like Rita Tage of Arunachal Pradesh and Shubhra Devi of Meira Foods, Manipur. He said that women folk can bring about a big difference in this field. He advised students to be inspired by entrepreneurial mindset of famous entrepreneurs and aspire to be job providers rather than mere job seekers. He mentioned that UGC has initiated to include IPR courses/modules in schools, colleges, universities in order to bring about a major change in the approach towards IPR from the grass root level.



**Photo:** Dr. Madhulekha Gogoi (in left) and Dr. Koushik Saikia (in right) while delivering their talks.

The second speaker was Dr. Madhulekha Gogoi who has a background in interdisciplinary science (Nanoscience & Technology). She began with her academic journey briefly and spoke about what ignited her from academic research to practical application. It took 7 long years for her patent to be granted. She got her first funding of Rs 50 lakhs. She referred to Apple Inc. as examples of invention and innovations. She expressed the need of more entrepreneurs in India. Pinpointing on one of the most essential features of innovation which is funding, she discussed about some of the



avenues for funding opportunities. She talked about the history of nanotechnology and its innovation.

The last speaker was Dr. Koushik Saikia, Research Officer of IPR Cell, Tezpur University. He spoke about the vision and mission of IPR Cell of Tezpur University as well as the relevance and importance of the cell. He talked about the types of innovators like individual innovators, start-ups, communities, entrepreneurs etc. emphasizing that the role of attorney firms is of prime importance. Elucidating on what can be included as results of IPR, he referred to copyrights, patent protection trademark, geographical indication etc. Besides, Tezpur University IPR Cell also supports to make common people aware of the IPR tools. The workshop held in the college is one such example of awareness regarding IPR. Dr. Saikia winded up with an interactive session with the audience.





**Photo:** A women entrepreneur receiving the certificate of participation from the Principal Dr. Nibedita Phukan (in left top) and rest of the photos show the exhibitions of different indigenously developed crafts and food items.

After the three speakers finished their sessions, an exhibition cum sale was held which was inaugurated by Prof. Pritam Deb. Local women entrepreneurs were given prominence in this exhibition who exhibited products ranging from clothes, jewelry, food items like cakes, pickles, pitha, paintings and even make-up items . Various women entrepreneurs including some past and present students also exhibited their products in the exhibition. Student entrepreneurs of the college displayed hand made products which made use of raw materials easily available in the surrounding environment like clothes and jute bags, paintings of natural dyes, jewelry made using clay and other such materials. At the same time, entrepreneurial organizations like the Keya Bagchi Foundation and Jansai Ethnics also took part in the exhibition. The Keya Bagchi Foundation is

trust working for the development and upliftment of local artisans especially those working with handloom and handicrafts. The stalls of the foundation displayed various colourful products made by from jute and also handmade jewellery, dolls, ethnic food products etc. Jansai Ethnics displayed various dress materials specifically of the Tai Ahom community.

### Brochure of the programme



**MANOHARI DEVI KANOI  
GIRLS' COLLEGE**

**ONE DAY WORKSHOP  
ON  
THE ROLE OF IPR IN SUPPORTING AND EMPOWERING WOMEN INNOVATORS**

**12<sup>TH</sup> September, 2022**

Organized by  
RESEARCH, INNOVATION AND EXTENSION COMMITTEE, MDKG COLLEGE  
Under the aegis of IQAC, MDKG COLLEGE  
In Collaboration With  
DPIIT IPR Chair, Tezpur University

## INVITATION

*The M.D.K.G. College family hereby takes the opportunity to invite you to a One Day Workshop on "THE ROLE OF IPR IN SUPPORTING AND EMPOWERING WOMEN INNOVATORS" on 12<sup>th</sup> September, 2022. The central aim of the workshop is to empower our up and coming women entrepreneurs regarding the intricacies of IPR with respect to uniqueness of their efforts and products. Academic workshops related to IPR can bring awareness only among the faculty members. Women entrepreneurs being trained in IPR can bring about a massive change in their approach towards their entrepreneurial endeavours. We hope both entrepreneurs and faculty members as also our student friends will come together to make this occasion a success.*

With regards,  
**Dr. Nibedita Phukan**  
Principal  
M.D.K.G. College  
Dibrugarh

**Dr. Rizia B. Laskar**  
Co-ordinator  
Research, Innovation and Extension Committee  
M.D.K.G. College

## ABOUT THE COLLEGE



M.D.K.G. College started its journey on 5<sup>th</sup> July, 1963 under the able leadership of noted Oriental scholar, Dr. Jogiraj Basu. Initially offering classes in DHSK College campus, classes started in the present campus in 1965. Starting with a meagre 215 students, the college now has over 1800 students. Initially offering education only in the Arts stream, the institution added another feather to its cap by starting the Science stream in 2016. The empowerment of students through a holistic approach towards their overall development is the motto of the college. The college has been accredited by NAAC with B grade in the 3<sup>rd</sup> cycle of assessment. Perennially striving as one of the pioneers of women's education in Upper Assam, the college has proudly stepped into its 60<sup>th</sup> year of glorious existence this year.

## CONCEPT NOTE

Entrepreneurship has gathered momentum over time and many women entrepreneurs have also joined the fray. Especially indigenous knowledge and traditional life experiences are brought within the ambit of innovative ideas for entrepreneurs. Local communities and self help groups have become quite active in this regard. This initiative has not only encouraged people to search for employment opportunities on their own and provide employment for others but has also instilled confidence to further move forward in this positive initiative. Entrepreneurs, especially women entrepreneurs, embarking on this journey are often handicapped by their lack of knowledge regarding intellectual property rights which often act as an impediment in proper exposure of their products and reaping profit from it. Also, the competitive market makes things further difficult and not having proper understanding of intellectual property rights can even lead to legal consequences. This workshop is not meant just to create awareness regarding IPR in an academic manner but rather to provide hands-on training. The workshop therefore intends to act as a medium for local women entrepreneurs to overcome such difficulties and pave their way forward with strength and determination.

## *About the Speakers*

### **Prof. Pritam Deb**

Professor Pritam Deb is a nationally recognized scholar and teacher in the fields of IPR, Patent, PCT and Trade secrets. He has been constantly providing technical supports guiding the innovators and creators from the Tezpur University and nearby areas for creating and securing an IPR conscious ecosystem. He is the Department for Promotion of Industry and Internal Trade (DPIIT), Ministry of Commerce and Industry Chair on Intellectual Property Rights (IPR) at Tezpur University (Central University). Prior to becoming the Chair Professor, Professor Deb, who has graduate training in physics, worked as Coordinator of IPR Cell that was patenting University innovations. He became the liaison between the scientists and patent lawyers, an experience that piqued his interest in the links among the scientific, legal, and regulatory communities. His work takes him from TU's classrooms, where he's taught IPR since 2012, to conferences and other campuses throughout the region. He wrote and filed number of patents and software copyrights to the Patent and Copyright Office. He has instituted many innovative IPR activities in the campus – Best Innovative Idea competition, IPR quiz, IP Day talks etc. He has been working for initiating many industry-academia collaborations as part of the effort initiated for creating a Pro Industry translational research platform in the University. Professor Deb has provided effective and inspiring leadership by preparing and implementing strategies of IPR Policy objectives (Creating IPR Awareness, Administration and Management of IPR, Human Capital Development) of Tezpur University. Professor Deb has been spearheading the initiative of Tezpur University to empower the rural Muga Weavers to use the GI Tag by registering as Authorised User. Under his mentorship, the number of Authorised Users in Assam for GI Muga has become one of the highest in the country. He is also advising the initiative that has been working to revive the heritage of the Gamosa in Assam. Professor Deb has received many international and national awards and recognitions in his career. Recently, in recognition to significant contribution in innovation and technology development, he has been adjudged for the prestigious Visitor's Award conferred by the President of Inida for Technology Development for the year 2020 for developing two-dimensional heterostructure based biodegradable film for food packaging. Professor Deb also held a number of visiting or honorary positions, including the Max Planck Fellow of Max-Planck-Institut für Eisenforschung, Germany, APS-IUSSTF Professor at Rice University, USA etc.



### **Dr. Madhulekha Gogoi**

An innovator, best described as a scientist, Madhulekha is committed to make a difference in people's life by her scientific and personal endeavours.

She started her research journey with a mission 'to find a better diagnostic tool to detect cancer in early stage'. She is a nanotechnologist by training with a fascination for biology. Her research has been well cited. After actively pursuing research at the institutes of International repute, she cofounded Knowledgepie Pvt. Ltd. with the BIG grant received from BIRAC, DBT. She wants to translate her ideas and research from bench to hospital, to make an impact in oncology and to make significant contribution to the global fight against cancer.



Dr. Madhulekha Gogoi has received PhD from Tezpur University and then did two post docs in IIT Guwahati and CSIR NEIST, Jorhat. She has published 11 papers in international journals and three book chapters till now. She has acquired two copyrights and one Indian patent granted (Ref no. 351940). She is the recipient of BIRAC BIG grant, DST Women Scientist Fellowship, DST National Post Doctoral Fellowship, DST Nanomission Post Doctoral Fellowship, DST INSPIRE

Fellowship and gold medal in MSc in Nanoscience and Technology from Tezpur University, in 2008.

### **Dr. Koushik Saikia**

Dr. Koushik Saikia has been working as a Research Officer at Tezpur University IPR Cell from January, 2021 under the DPIIT instituted IPR Chair. He obtained his postgraduate degree in Nanoscience and Technology from the Department of Physics, Tezpur University in 2011 and his Ph.D. in physics from the Department of Physics in 2016. Apart from publishing his research works in various reputed journals he is experienced with writing patent applications and patenting his inventions. He has published 13 papers in international journals and two book chapters. Before, joining the current position he was associated with the Centre for Nanotechnology, Indian Institute of Technology Guwahati as a Project Scientist and thereafter the Department of Physics of the same institute as National Postdoctoral fellow (N-PDF) for the period 2017 to 2019. His research interests include quantum dots, self-assembly at nanoscale and hierarchical growth of magnetic nanoparticles.







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**CERTIFICATE PROGRAMME  
ON  
INTELLECTUAL PROPERTY RIGHTS FOR ENTERPRISE DEVELOPMENT  
AT TEZPUR UNIVERSITY**

**ORGANIZED BY  
DST- FUNDED TECHNOLOGY ENABLING CENTER  
IN COLLABORATION WITH  
DPIIT-IPR CHAIR, IPR CELL**

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**TEZPUR UNIVERSITY**

**Date- 17th - 21st January, 2023**

The DST- Technology Enabling Centre (TEC), in collaboration with DPIIT- IPR Chair, IPR Cell of Tezpur University, held its five-day ***Certificate Programme on Intellectual Property Rights for Enterprise Development*** from January 17, 2023, to January 21, 2023, in the Council Hall, Tezpur University. The programme saw participation from enthusiastic entrepreneurs and professionals from the North-East Region. Thirty-four participants, including 6 MSMEs, 21 academicians, 5 entrepreneurs and 2 industry professionals, completed the certificate programme offered.

## DAY 1



**Photo:** (Left) Prof Pritam Deb lighting the lamp,(Top Right) release of TEC, Tezpur University Newsletter, (Bottom) participants attending the programme

The event began with inviting the distinguished guests' Professor Amogh Dev Rai, Executive Director, Sanrachna, SGT University Haryana and Professor Annamma Samuel, DPIIT- IPR Chair, GNLU Gujarat, as well as the Vice-Chancellor, Tezpur University Professor Dhruba Kumar Bhattacharyya, Professor Nayan Moni Kakoty, Coordinator, Technology Enabling Centre, Tezpur University and Professor Pritam Deb,DPIIT- IPR Chair, Intellectual Property Rights cell on the dais. The Chief guest, Dr Anita

Aggarwal, Head of Technology Development Transfer, Development of Science and Technology, Government of India, joined the programme online from Delhi.

Professor Nayan Moni Kakoty, the Coordinator of DST- Technology Enabling Centre (TEC), Tezpur University, welcomed the gathered participants, guests, and respected colleagues from the university. His welcome address stressed the need for innovation



and how students should actively act upon it. Professor Nayan Moni Kakoty brought to attention that with the mentorship of Professor Krishnan Sankaran, TEC Tezpur University has been able to assist one of the industries, JN Agro of Golaghat, Assam, to start their product since December 15, 2022.

The programme went ahead with the auspicious ceremony of lighting the lamp. The Vice-Chancellor and other dignitaries released the Technology Enabling Centre (TEC), Tezpur University's Newsletter and News Bulletin. The Newsletter and bulletin were about the activities carried out at the DST- funded Technology Enabling Centre, Tezpur University, in creating the Ecosystem for Technology Development to address the industrial needs associated with DICC, academic institutions and MSMEs.

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In his inaugural address, the Vice Chancellor, Professor Dhruba Kumar Bhattacharyya, talked about the university's priority towards Technology and Development. Prof Dhruba Kumar Bhattacharyya congratulated the efforts and rigorous activities of the TEC, Tezpur University. As a result, 2022 saw laurels coming to the university for Innovation and Technology Development. He also ensured that 2023 would have good funds for catalyzing innovation development. Lastly, he urged everyone in the gathering to utilize the resources and connections of the programme. He emphasized that the knowledge gathered can be used in the future.

Professor Pritam Deb, DPIIT - IPR Chair, Tezpur University, introduced the participants and guests to the programme's theme. He started his speech by elucidating that innovation has been the catalyst for the development of the society and economy of the country. He expressed his delight in standing in front of the 34 entrepreneurs from the region. Professor Pritam Deb urged the participants to interact intensely with the learned speakers.

Dr Juri Borbora, Research Assistant, IPR Cell, Tezpur University, enlightened everyone with the Technological Trajectories of Tezpur University in the last three years. With the support and coordination of IPR Cell, TEC, and CIIE, Tezpur University has garnered various awards and scaled up some promising innovations. It includes the Gandhian Young Technology Innovation (GYTI) 2017 for a Smartphone-Based System for the Detection and Measurement of Chemical and Biological Species in Liquids, Gandhian Young Technology Innovation (GYTI) 2018 for Novel Soil Conditioners, Gandhian Young Technology Innovation (GYTI) 2019 for Integrated and automated set up for preparation and vending of panipuri, Visitor's Award for Technology Development for the year 2020 for developing two-dimensional heterostructure based biodegradable film for food packaging, Gandhian Young Technology Innovation (GYTI) 2021 for Batteryless electrochemical sensor for

quantification, removal of naringin and determination of maturity of citrus fruits, a do-it-yourself patented technology for purification of drinking water serving lakhs of people: Arsiron Nilogon removes arsenic below 2ppb together with iron and all heavy metals and Fluoride Nilogon removes excessive fluoride together with all heavy metals. The DST-TEC, Tezpur University, has also supported JN Agro, and an MoA was also executed on September 28, 2022. The product was launched in the market on January 17, 2023. The first technology transfer in 2023 was also linked on January 20, 2023, for iElecticon: Intelligent Electrical Charging Time Controller.

Professor Amogh Dev Rai, Executive Director, Sanrachna, SGT University, Haryana, addressed the first Innovation and Enterprise Development session. He addressed the session titled **"Searching for Unicorns"**, appreciating the initiative of organizing a programme as such at the start of the year. Prof. Amogh said, "A risk taker is an entrepreneur". Citing examples from the industrial giants who took considerable risks in the past, he demonstrated to the participants that small organizations could only reach the scale of large organizations with risk-taking.

Dr Annamma Samuel, DPIIT IPR Chair, GNLU Gujarat, took over the next session on **"Geographical Indications: Registrations and Procedures"**. She started the session with compelling examples of the battle between West Bengal and Odisha to obtain GI over Rasgulla and Bikaneri Bhujia. She explained the definition and the difference between other Intellectual Property and Geographical Indications (GI). Prof. Annamma Samuel cited some of the products of Assam as having GI registrations. She congratulated the efforts of Tezpur University Intellectual Property Rights (IPR) Cell for facilitating the GI registration of Muga Silk.

## **DAY 2**

Dr Annamma Samuel, DPIIT IPR Chair, GNLU Gujarat, started with the first session of Day 2 on **"Trademark: Significance of name in the business"**. Firstly, she explained the reasons for getting a trademark. In the session, Prof Annamma Samuel enlightened the participants on how to choose the mark, symbols, and words to avoid while picking it. She clarified the concepts of trademark and infringement of rights through real-life stories and experiences. Lastly, she took a hands-on session on Trademark Registrations and step-by-step procedures to register on IP INDIA GOV INDIA.



**Photo:** (Left) Dr Annamma Samuel delivering her lecture, (Right) Panel discussion with Prof Pritam Deb and Prof Amogh Dev Rai

The day's second session was a panel discussion with the eminent resource persons Prof Pritam Deb and Prof Amogh Dev Rai. The learned professors discussed the topic **"Technology Commercialization and Related Issues"**. Prof Pritam Deb, in the discussion, expressed his thoughts that when academic research becomes successful in the laboratory, it's essential to consider its utilization for the benefit of society.

Prof Amogh Dev Rai, in the discussion, enlightened the participants about the Technology Readiness Level (TRL) concept. He urged the entrepreneurs to scale up their products to the earmarked level and check their efficacy in the market. Summing up the discussion, scaling up with technology to cater to the needs of society and making it appropriate for contemporary society was concluded.

### **DAY 3**

Professor Pinaki Ghosh, DPIIT -IPR Chair, NUJS Kolkata, took on the first session of Day 3 on **"Design Registrations"**. Prof Ghosh enlightened the participants that Industrial Design can save the aesthetic and visual form of the product. He gave all the information on Industrial Design through a series of 'Frequently Asked Questions'. He encouraged the participants to file for registration for their products and informed them about the monetary support through schemes for filing industrial design, patents and trademarks.



**Photo:** (Left) Prof Pinaki Ghosh delivering his lecture, (Right) Panel discussion with Prof

Pritam Deb, Prof Nayan Moni Kakoty facilitated by Prof Dhanpati Deka

The day's second session was an interaction of participants with TEC and IPR Cell, where Prof Dhanpati Deka, Dean of Research and Development, joined to facilitate the discussion. Prof Pritam Deb, DPIIT -IPR Chair, briefed the participants about the activities of IPR Cell of Tezpur University. He informed that the IPR Cell is engaged in protecting the Intellectual Property of the university and nearby institutions, organizations and grassroots innovations.

Prof Nayan Kakoty, Coordinator DST- TEC, acquainted the participants with the Cell's activities to take lab projects into the commercial arena. He was delighted to inform the house about the launch of the Technology Enabling Center(TEC) website that would enable entrepreneurs to seek help by simply logging into it. He told the participants about the procedure to help the Cell interlink solutions to their problems.

After the interactive session, the participants presented their products and ideas in front of esteemed dignitaries and house gatherings.



**Photo:** Participants presenting their products

#### DAY 4

On the 4th day of the programme, Dr Sujata Chaklanobis, Advisor/Scientist- G, Head (PACE, CRTDH, & A2K+), DSIR, Government of India, took the first session on **"Technology Readiness Level Assessment"**. In her lecture, she talked about the concept of TRL and the need to assess the readiness level of technology. She stressed that through TRL Assessment, the industry could see a project's potential and then work on commercializing it. She also encouraged the faculty and students to work with the industry and work towards commercialization of the innovation in the university's labs.

The 4th day witnessed the Memorandum of Understanding(MoU) signing between Indian Oil Corporation Limited (IOCL) and Tezpur University to promote compressed biogas in northeast India. General Manager( Alternate Energy Division), IOCL and Dr Biren Das, Registrar of Tezpur University, signed the MoU on behalf of the respective



organizations in the presence of the members of Tezpur University, IOCL and the participants of the programme. Mr Bijay Kumar, in his speech, expressed his delight and confidence in Tezpur University. In his earlier visit to the campus, he observed that the university is proactive in working on biogas and producing biomethane and organic fertilizer using a range of plant residue biomasses and organic waste. This made him keen to propose a collaboration with the university.

The main objective of the MoU is to first conduct a study in the North East to figure out the regions that can produce biogas and find the appropriate technology accordingly. An industry-academia collaboration will benefit the university rather than the country.

Shri Tiranga Bharatiya Borah, Director of Horticulture & FP, Directorate of Horticulture & FP, Assam, took the next session on ***"Entrepreneurship opportunities in Horticulture and related fields in Assam"***. In his session, he enlightened the

participants about the scope of entrepreneurship in the Horticulture sector. The young entrepreneurs can earn a massive profit in the floriculture business, helping the government reduce the import of flowers from other states and make huge profits. Shri Borah encouraged the participants to take horticulture as their livelihood and requested them to market the horticulture products of Assam at the national level.

Dr Juri Borbora, Research Assistant, IPR Cell, Tezpur University, enlightened everyone with the Technological Trajectories of Tezpur University in the last few years. Tezpur University has scaled up some promising innovations. It includes a Saddle system for female bicycles adapted to counter the forward slip of the rider on the saddle surface during sudden breaking, an EMG prosthetic hand controller, a continuous jaggery-making machine, a System for measuring and correction of alignment parameters camber and toe of the wheel of a vehicle, Smart Portable Dheki, and STAMP (Stacked Tray Modular Photobioreactor).

A panel discussion on ***"Bridging the gap and devising a roadmap for Academia Collaboration"*** was initiated between Mr Hemant Lahkar, Lahkar Udyog Pvt. Ltd., Shri Samir Kundu, CGM, Electrical and Instrumentation Numaligarh Refinery Limited, Golaghat, Assam and Professor Pritam Deb, Chair- Professor, DPIIT-IPR Chair, Tezpur University as the chair of the discussion. Prof Deb introduced the topic of discussion to the gathering. In the discussion, Mr Hemant Lahkar put forth his ideas on the contribution of academic institutions in the innovation ecosystem of society and, more importantly, the scenario in our state. Taking everyone through the struggles of his journey as an entrepreneur, he shared that the courage of an entrepreneur is essential. Shri Samir Kundu, in the discussion, pointed out that the course outline in universities should be at par with the industry and must be updated every two years. He underlined that academia should involve themselves with the industry to streamline their course structures. Shri Kundu also suggested the students acquire soft skills and in-depth knowledge of their field. Prof Pritam Deb wrapped up the discussion by stating that after formal education, one doesn't need to be a job seeker but become a job provider, even if not too many people but to only a few people.

The fourth day saw another milestone, with Tezpur University signing another

Memorandum of Understanding with Integrated Support and Solution, Guwahati, Assam. Dr Kanak Haloi, Chairman cum Managing Director and Dr Biren Das, Registrar, signed the MoU on behalf of both organizations in the presence of the members of Tezpur University, Mr Pradeep Hazarika, Director of Integrated Support and Solution and the participants of the programme. Dr Kanak Haloi, in his speech, expressed his delight to collaborate with the learned minds of Tezpur University. He was confident that the academic support provided by Tezpur University would, in all its capacities, help his organization.

Tezpur University also witnessed its first technology transfer of iElecticon: Intelligent Electrical Charging Time Controller to EBraiM. It was developed by undergraduate students Ms Suman Das, Mr Pratim Chakraborty, Mr Soumyabrata Ghosh and Dr Nayan M. Kakoty of the Department of Electronics and Communication, Tezpur University. It is a timer based charging controller that is capable of keeping track of the time. It was made with the view to help industries and electric vehicles facing loss due to frequent power cuts.

Amal Dihingia, CEO EBraiM and DR Biren Das signed the technology in the presence of members of the university, several members of Integrated Support and Solution and the participants.



**Photo:** (Top Left) Shri Triranga Bharatiya Borah delivering his lecture, (Top Right) Panel discussion with Mr Hemant Lahkar and Shri Samir Kundu facilitated by Prof Pritam Deb, (Bottom Left) Technology transfer of iElecticon, (Bottom Right) MoU signing between IOCL and Tezpur University

## DAY 5

The last day of the program began with the final round of the Innovative Idea Competition. The competition was organized by the Technology Enabling Center (TEC) of Tezpur University with the objective to come up with the technology requirements of the MSMEs. The competition aimed at “**Technology development for automated stem removal of King Chilli popularly known as Bhut Jolokia**”. With rigorous two rounds of selection, four teams reached the final round of competition. Team Titans , Team Assam Agricultural University, Team impulse , and Team Spectrum presented their prototypes in front of the judges. Team Titan bagged the position followed by TeamSpectrum and Team AAU winning second and third prize respectively. They were presented the certificates by Dr Biren Das, Registrar of the university.

Mr Parag Phukan, Ex- Corporate Executive and Consultant to Corporate Training took a session on “**Entrepreneurship opportunity in context to Assam**”. Citing examples from the past, he inferred that currently Assam is in a very advantageous position in terms of business and entrepreneurship. Mr Parag pointed to several unique possibilities for business stressing on tourism as Assam’s greatest barter. He tried to break the myth amongst people that entrepreneurship is inborn.

The last session of the programme was taken by Dr Ramana K. Vinjamuri, University of Maryland, USA on “**Technology Rollouts from Academia**”. In his speech, he suggested measures to encourage commercial research more than academic research in India. He stated that the collective functioning of the government, universities and industry can help create an ecosystem of technology commercialization.



**Photo:**(Left) Mr Parag Phukan delivering his lecture, (Right) Innovative Idea Competition final round





**Photo:**(Left) Dr Ramana K. Vinjamuri delivering his lecture, (Right) Valedictory session

The five day program ended with the valedictory session. Dr Biren Das and the other resource persons presented the certificates to the participants. The participants gave their experiences and feedback on the programme, and they indicated that they had gained new knowledge and insights from it. Prof Nayan Moni Kakoty and Dr Biren Das also gave their feedback calling the programme a success because of the extended support from everyone.



**Photo:** Participants with the resource persons and organizing team





**DST-Technology Enabling Centre and DPIIT-IPR Chair, IPR Cell  
Tezpur University  
Organizing  
Certificate Programme  
on  
Intellectual Property Rights for Enterprise Development**

Venue: Council Hall

**January 17-21, 2023**

Time 9:30 AM onwards

**Areas to be covered in the programme**

- Innovation and Enterprise Development
- Design Registration
- Trademark Registration
- Technology Readiness Level
- Entrepreneurship Opportunity in context to Assam

**Mode of Conduct**

The programme will be having an active interaction between the participants and the resource persons in physical mode.

**Eligibility**

- Start-ups, MSMEs and Entrepreneurs
- Individuals from Academia

**Number of Participants**

- 30 (First 30 registration)

**Outcome**

- Skill in strategizing Innovation, Trademark and Design Registration
- Effective Product Development and Marketing with IP Tools
- Enhanced Employability and Entrepreneurship

**Registration Details**

- Registration Link:  
<https://forms.gle/LNkplGiv8zpkYEZ17>
- Registration fee: ₹ 1000/-
- Last Date of Registration: 12/01/2023

The participants will be provided with a workshop kit, lunch and tea during the programme days. Upon successful completion of the programme registered participants will be awarded with certificate.

**Bank Account Details for Registration**

Registration fee of ₹ 1000/- needs to be paid in the below given account details:

- Bank Name: State Bank of India
- Branch Name: Tezpur University Branch, Napaam
- Account Number: 10501585452
- IFSC: SBIN0014259

**Accommodation**

- Participants will be provided accommodation in Tezpur University Guest House.
- Charges for accommodation will be paid by organizers.

**For any queries, please contact us at**

Email ID: [tcc@tezu.ernet.in](mailto:tcc@tezu.ernet.in)

**Certificate Programme**

**on**

**Intellectual Property Rights  
for Enterprise Development**

*(17th - 21st January 2023)*



**Organized by**

**DST- Funded Technology Enabling  
Centre**

*In collaboration with*

**DPIIT-IPR Chair, IPR Cell**

**Tezpur University**

Napaam, Tezpur

Assam, INDIA

**Background**

DST-TEC, Tezpur University and DPIIT-IPR, Tezpur University, in its strive to create a vibrant ecosystem for technology development and technology transfers organizes 5-Day Certificate Programme for the MSMEs, Start-ups and individuals from academia. The programme will emphasis on Intellectual Property Rights for Enterprise Development.

**Sessions**

Day 1 (17/01/2023)

**Innovation and Enterprise Development**

Day 2 (18/01/2023)

**Design Registration**

**Technology Commercialization and related issues**

**Innovative Idea Competition (Final Round)**

Day 3 (19/01/2023)

**Trademark Registration**

Day 4 (20/01/2023)

**TRL sensitization and Panel -Discussion**

Day 5 (21/01/2023)

**Entrepreneurship Opportunity in context to Assam**

**Chief Guest**

Dr. Anita Agarwal, Head, TDT-DST, Government of India

**Guest of Honour**

Amit Rastogi (Retd), CMD, NRDC, New Delhi

**Invited Speakers**

Professor Amogh Dev Rai, Executive Director, Samrachma, SGT University, Haryana

Professor Annamma Samuel, DPIIT-IPR Chair, GNLU, Gujarat

Dr. A. K. Srivastava, Sr. Manager, NRDC, New Delhi

Dr. Sujata Chaklanobis, Advisor/Scientist-G, DSIR, Government of India

Shri Tiranga Bharatiya Borah, Director of Horticulture & F.P., Assam

Mr. Hemant Lahkar, Lahkar Udyog Pvt. Ltd., Tezpur, Assam

Shri Samir Kundu, CGM, Electrical and Instrumentation Numaligarh Refinery Limited, Golaghat, Assam

Shri Shantanu Gupta, Executive Director (AE & SD), Indian Oil Corporation Ltd.

Mr. Parag Phukan, Ex-Corporate Executive and Consultant to Corporate Training

Dr. Ramana K. Vijamuri, Assistant Professor, University of Maryland, USA

**Tezpur University (TU)**

Tezpur University is a premier Central University, established in 1994, situated in Assam, is nationally and internationally renowned for significant achievement in research and innovation. The University has state of art infrastructure facilitating various activities of the academic and research.

**DST-Technology Enabling Centre, TU**

DST funded Technology Enabling Centre was established at TU in 2019 for creating an ecosystem for technology development, deployment and diffusion interconnecting the institutions, MSMEs, entrepreneurs and Industries.

**DPIIT-IPR Chair, IPR Cell, TU**

Tezpur University Intellectual Property Rights Cell was established in 2009 with a vision to develop human resource in the management of Intellectual Property Rights. In 2020, the Department of Promotion of Industry and Internal Trade (DPIIT) under the Ministry of Commerce and Industries, Govt. of India has awarded the prestigious IPR Chair to Tezpur University under the Scheme of Pedagogy & Research in IPRs for holistic Education & Academia (SPRIHA). The TUIPR Cell, under the aegis of the DPIIT-IPR Chair, is gradually building IPR consciousness in the Region across various strata of society.

**Programme Schedule**

**Certificate Programme on Intellectual Property Rights for Enterprise Development**

**17<sup>th</sup> – 21<sup>st</sup> January 2023**

Day 1 (17/01/23)	Inaugural Session		
	Time	Session	Activity/Lecture
	9:30 AM-10:00 AM	I	Registration
	10:00 AM-10:05 AM		1. Welcome address Professor Nayan Moni Kakoty Coordinator, DST-Technology Enabling Centre (TEC) Tezpur University
	10:05 AM-10:15 AM		2. Lighting of the Lamp
	10:15 AM-10:20 AM		3. Release of TEC Newsletter and Bulletin
	10:20 AM-10:35 AM		4. Inaugural speech Professor Dhruba Kumar Bhattacharyya Vice-Chancellor, Tezpur University
	10:35 AM-10:45 AM		5. Introduction of the theme of the programme Professor Pritam Deb DPIIT-IPR Chair, Tezpur University
	10:45 AM-11:05 AM		6. Address by the Chief Guest Dr. Anita Aggarwal Head, Technology Development and Transfer, DST, Govt. of India
	11:05 AM-11:20 AM		7. Technological Trajectories in Tezpur University-I
	11:12 AM-11:30 AM		High Tea
	Sessions on “Innovation and Enterprise Development”		
	11:30 AM -1:00 PM	II	Session Chair: Professor Pritam Deb
			Session on “Innovation” Professor Amogh Dev Rai Executive Director, Sanrachna, SGT University, Haryana
	1:00 AM-2:30 PM	Lunch	
2:45 PM-4:00 PM	III	Session Chair: Professor Nidhi Saxena Bhattacharyya	
		Session on “GI Registration” Professor Annamma Samuel DPIIT-IPR Chair, GNLU, Gujarat	
4:00 PM	Tea and End of Day 1		

Day 2 (18/01/23)	Sessions on “Design Registration”		
	Time	Session	Activity/Lecture
	9:30AM -11:15 AM	I	Session Chair: Professor Papori Baruah
			Session on “ <b>Trademark</b> ” Professor Annamma Samuel DPIIT-IPR Chair, GNLU, Gujarat
	11:15 AM-11:30 AM	Tea	
	11:35 AM-1:20 PM	II	Session Chair: Professor Papori Baruah
			Session on “ <b>Trademark</b> ” Professor Annamma Samuel DPIIT-IPR Chair, GNLU, Gujarat
	1:20 PM-2:30 PM	Lunch	
	2:30 PM-4:00 PM	III	Session Chair: Professor Robin Doley
Session on “ <b>Technology Commercialization and related issues</b> ” Dr. A. K. Srivastava Sr. Manager, Business Development (Agri, Biotechnology), National Research Development Corporation (NRDC), New Delhi			
4:00 PM	Tea and End of Day 2		
Day 3 (19/01/23)	Session on “Trademark Registration”		
	Time	Session	Activity/Lecture
	9:30 AM -11:15 AM	I	Session Chair: Professor Pabitra Nath
			Session on “ <b>Design Registration</b> ” Professor Pinaki Ghosh DPIIT-IPR Chair, NUJS, Kolkata
	11:15 AM-11:30 AM	Tea	
	11:35 AM-1:20 PM	II	Session Chair: Professor Pabitra Nath
			Session on “ <b>Design Registration</b> ” Professor Pinaki Ghosh DPIIT-IPR Chair, NUJS, Kolkata
	1:20 PM-2:30 PM	Lunch	
	2:45 PM-4:00 PM	III	Interaction session of participants with TEC and IPR Cell
4:00 PM	Tea and End of Day 3		

<b>Day 4</b> <b>(20/01/23)</b>	<b>Sessions on “TRL sensitization and Panel - Discussion”</b>		
	<b>Time</b>	<b>Session</b>	<b>Activity/Lecture</b>
	9:30 AM -11:15 AM	I	Session Chair: Professor Debendra Chandra Baruah
			Session on “ <b>Technology Readiness Level Assessment</b> ” Dr. Sujata Chaklanobis Advisor/Scientist-G, Head (PACE, CRTDH & A2K+), DSIR, Government of India
	11:15 AM-11:30 AM	<b>Tea</b>	
	11:30 AM-12:30 PM	II	Session Chair: Professor Nityananda Sarma
			Session on “ <b>Entrepreneurship opportunities in Horticulture and related fields in Assam</b> ” Shri Triranga Bharatiya Borah Director of Horticulture & F.P., Directorate of Horticulture & F.P., Assam
	12:30 PM-1:30 PM	<b>Lunch</b>	
	1:45 PM – 2:45 PM	III	Technological Trajectories in Tezpur University-II
	2:45 PM-3:45 PM		Panel Discussion on “ <b>Bridging the gap and devising a roadmap for Industry Academia Collaboration</b> ”  <b><u>Members:</u></b> (i) Shri Triranga Bharatiya Borah Directorate of Horticulture & F.P., Assam (ii) Mr. Hemant Lahkar Lahkar Udyog Pvt. Ltd. Tezpur, Assam (iii) Dr. Sujata Chaklanobis Advisor/Scientist-G, Head (PACE, CRTDH & A2K+), DSIR, Delhi, Government of India (iv) Shri Samir Kundu CGM, Electrical and Instrumentation Numaligarh Refinery Limited. Golaghat, Assam (v) Shri Bijay Kumar General Manager (AE), Indian Oil Corporation Ltd. (vi) Professor Pritam Deb Chair- Professor, DPIIT-IPR Chair, Tezpur University (Panel Chair)
	3:45 PM–4:00 PM		1. Memorandum of Understanding between Indian Oil Corporation Ltd. and Tezpur University  2. Memorandum of Understanding between Foundation for Integrated Support and Solution and Tezpur University
	4:00 PM	<b>Tea and End of Day 4</b>	



<b>Day 5</b> <b>(21/01/23)</b>	<b>Session on “Entrepreneurship Opportunity in context to Assam”</b>		
	<b>Time</b>	<b>Session</b>	<b>Activity/Lecture</b>
	10 AM -11:15 AM	I	Innovative Idea Competition (Final Round).
	11:15 AM-11:30 AM	<b>Tea</b>	
	11:35 AM-12:35 PM	II	Session Chair: Professor Abhijit Bora
			Session on “ <b>Entrepreneurship Opportunity in context to Assam</b> ” Mr. Parag Phukan Ex-Corporate Executive and Consultant to Corporate Training
	12:35 PM-1:45 PM	<b>Lunch</b>	
	2:00 PM- 3:00 PM	III	Session Chair: Professor Utpal Sharma
			Session on “ <b>Technology Rollouts from Academia</b> ” Dr. Ramana K. Vinjamuri University of Maryland, USA
	3:00 PM-4:00 PM		Valedictory session
	4:00 PM	<b>Tea and End of Day 5</b>	

# Considering GIs of Assam for better Agri-Business Opportunities

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MAY 30, 2023

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Jointly organized by

DPIIT-IPR Chair, Tezpur University, Assam

and

Directorate of Horticulture and Food Processing, Govt. of  
Assam

## The Report

The day began with a welcome address and a brief introduction of the theme by the organizers that laid the framework to be followed for the day consisting of three technical session and a panel discussion. In the beginning, The Director Horticulture and Food processing, Shri Triranga Bharatiya Bora, apprised the gathering about the much-needed shift in the State's agriculture sector from the purely agricultural to agribusiness to revitalize the economy of the State, where one can expect the share of pure agriculture in GDP decline, but the share of agribusiness going up with expended demand of value added products.

Considering ground realities, he informed that a need is felt to bundle investment with technology to transform state agriculture to agribusiness by conceptualizing and implementation of integrated supply chain engineering on a globally competitive scale. He stated that the agribusiness sector can contribute a large share to overall employment, value addition and income generation. He further emphasized that the agribusiness industry has a lot of potential to improve rural income, nutrition and social empowerment and hence represents a critical area of investment. He stressed that a well-developed Agri-business industry will enable millions of farmers to capitalize on the emerging opportunities and make a significant impact on rural income and employment generation. He further emphasized the need of organized farmers groups for a thriving agribusiness scenario and informed



Photo: (Right) Shri Triranga Bharatiya Bora, Director of Horticulture & FP, Govt. of Assam, welcoming the gather (Left). DPIIT-IPR Chair Professor, TUIPR Cell, Tezpur University, Prof. P. Deb introducing the theme to the gather during the inaugural session

about the formation of more than 400 Farmers Producer Company (FPCs) under the aegis of the Directorate of Horticulture and Food Processing, Govt. of Assam. He felt that the sector should invent ways to eliminate constraints of the Agri-business sector of the country. For our state, it can be done by reviewing the technology supply chain for a wide range of commodities produced in the state, wherein the importance of GI tag may play a major role. He highlighted that to explore the huge scope of Agri business through horticultural crops from the Northeast region, the significance of the Geographical Indications tag on them for export need to be understood well. Speaking in tune of the theme of the workshop, the DPIIT-IPR Chair Professor, Prof. P. Deb underscored the importance of entrepreneurship by describing it as an iconic discipline that needs be to learnt. He further stated that no government in the world can provide jobs to all citizens. Thus, an environment needs to be created and nurtured where job creators feel encouraged. Dwelling deeper into the scope of entrepreneurship through Agri business from horticultural crops varieties and products from the state of Assam, he stated the need of **roadmaps** for acquiring intellectual protection and challenges after getting the tag. He wished that the deliberations in the



Photo: (Left) the inaugural session. the gathering. (Right) The participants during the inaugural session

daylong programme through the participation of the experts and agribusiness entrepreneurs will help in understanding the scopes and challenges of Considering GIs of Assam for Agri-Business Opportunities in a better way. Dr. Harsha Jyoti Borooah, Ex- Director, Directorate of Horticulture and Food Processing, Govt. of Assam also apprised the participants about the scope of agribusiness in the region and stated that this workshop was a much-needed deliberation for looking into the promising prospects. Sri. Mowsam Hazarika Director, Assam Seed and Organic Certification Agency advised the participants about the benefits and visibility of the GI tags across the world and what promise such status holds for the Agri entrepreneurs of the state. He urged the youth to take agribusiness seriously and get benefits from the support provided to the Farmer Producer Organizations in progressing their business.



Photo: (Left) Felicitation of Dr. Harsha Jyoti Borooah, Ex- Director, Directorate of Horticulture and Food Processing Govt. of Assam during the inaugural session. (Right) Sri. Mowsam Hazarika Director, Assam Seed and Organic Certification Agency during the inaugural session.



The first technical session consisted of two talks. First talk was conducted on ‘Critical aspects in developing agribusiness with registered GI products from Assam’ by Dr.Sarat Saikia, Principal Scientist, Assam Agricultural University, Horticultural Research Station, Kahikuchi, Guwahati. This was followed by subsequent talk on ‘Strategies for market promotion of GI commodities in fresh and processed forms’ by Mr. Anurag Kashyap, Assistant General Manager, Northeastern Regional Agricultural Marketing Corporation (NERAMAC) Limited, Guwahati.



Photo: (left)Dr.Sarat Saikia, Principal Scientist, Horticultural Research Station, Kahikuchi, Guwahati speaking during first technical session. (Right) Mr. Anurag Kashyap, Assistant General Manager, NERAMAC, Guwahati during the talk of the first technical session.

Speaking on the topic ‘Critical aspects in furthering agribusiness with registered GI products of A Dr. Sarat Saikia, Principal Scientist, Assam Agricultural University, Horticultural Research Station, Kahikuchi, Guwahati stated that the horticultural products from the state have tremendous scope domestic and foreign markets. However, unorganized farming of the horticultural crops and migration of rural youth to non-farm sector are some of the major bottlenecks hindering success of agribusiness enterprises in the State. Doing the SWOC analysis, he stated that major strengths for agribusiness region are the unique horticultural and spice products that grow in the favorable agro-climate of the There is a large scope for getting more GIs from the sector for the state. The entrepreneurs can advantage from the increasing support from development agencies due to the reforms in agri sector growing market demand for GI products. However, more work must be done on the grey area unorganized production sector, low volume of production, qualitative output and weak supply skill inadequacy etc. He reiterated that if the producers can strategize and overcome challenges competitive market, besides taking care of the biotic & abiotic stress in the environment and disturbances due to changing climate, they can very well explore new markets with confidence visibility.

The second topic of the first technical session was delivered on ‘Strategies for market promotion of GI commodities in fresh and processed forms’ by Mr. Anurag Kashyap, Assistant General Manager, Northeastern Regional Agricultural Marketing Corporation (NERAMAC) Limited, Guwahati. In his deliberation he informed that NERAMAC was set up in 1982 as Government of India enterprise to support farmers/producers of Northeast India in getting remunerative prices for their produce and thereby bridge the gap between the farmers and the market and also to enhance the agricultural, procurement, processing and marketing infrastructure of the Northeastern Region of India. Besides these, the department also takes initiatives for providing the necessary exposure to the Agri-entrepreneurs for participation in Exhibitions/ Seminars/GI Tag acquisition etc. to provide leverage through new skills and branding in the market. Mr. Kashyap apprised the participants that the department also supports the farmers through input supplies for better productivity under the aegis

of Central Schemes (agricultural inputs like seeds, fertilizers etc). Highlighting the importance of Geographical Indication for marketing of the goods he informed the farmer entrepreneurs that ‘GIs are signs that aid in the identification of a particular product coming from a specific geographical location possessing certain unique qualities or reputation due to such origin’. Appraising the gathering about the various granted GIs from the eight North Eastern states of the regions, he informed that NERAMAC is one of the pioneers in applying and receiving GIs for the NE states. He informed that increasing the consumer awareness and promoting the GI brands through better customer engagement and customer experience are key for entering new markets. He reiterated that GI is a powerful tool which can be leveraged, both for identification and market differentiation. He highlighted the important contributions of NERAMAC for promotion of agribusiness through the 7 P(s) as shown below.



The second technical session was conducted on two topics viz. Export potential of horticultural products from Assam and schematic support for promotion of export activities with special focus on GI commodities by Md. Ashraf Kamal, Business Development Manager, the Agricultural and Processed Food Products Export Development Authority (APEDA), Guwahati, and Important aspects for successfully exporting GI products: *Experiences from native exporter* by Shri Anupam Baruah, Proprietor, Miha Trading Solutions, Guwahati.

During the session, Md. Ashraf Kamal, from APEDA, Guwahati focused his deliberation in and around the Role of APEDA for Export Promotion and Financial Assistance. Here, the speaker described in details about the APEDA’s 15 scheduled products like fruits and vegetables, meat and meat products, poultry and poultry products, confectionery and bakery products, honey and jaggery, Cocca and its products, alcoholic and non-alcoholic products etc. Describing the eight granted GIs from the state, he apprised the gathering about the boost in export for some of them like Orthodox tea of Assam, Joha Rice, Assam lemon and Tezpur Litchi due to enhance visibility provided by the GI tag. He informed the participants about various recent programs organized by APEDA for promotion of GI products. He encouraged the Agri-entrepreneurs to become exporters and apprised about various procedures and formal requirements through step wise demonstration in this presentation on “How to start export business”. He informed about the documents required for

applying Importer-Exporter Code (IEC) Registration and Registration cum membership certificate (RCMC). He apprised the gathering that the Financial Assistance schemes are available with APEDA for Infrastructure Development, Quality Development and Market Development. He specifically described the schemes for assistance in the establishment of processing and supply chain infrastructure where financial assistance up to 40% (75% for North East) of the total cost subject to a ceiling of Rs. 200 lakhs for each of the activities are available. He apprised that common infrastructure facilities such as Integrated Pack houses, Processing Units, Laboratories etc. can be set up by Central and State government institutions where the assistance will be provided up to 90% of the approved cost subject to a ceiling of Rs. 600 lakhs. He also informed that the above funds shall be released against bank guarantee. Apprising the gathering about the schemes for quality development, he informed that for Implementation and Certification of quality and Food Safety Management Systems for all APEDA scheduled products, assistance can be availed up to 50% of the total cost subject to a ceiling of Rs. 5 lakh per certification. The assistance will also be applicable for renewal of certifications. APEDA also aids with Standardization and Harmonization with international standards for adoption of International Standards including special cases such as control of fruit fly and/or any other unforeseen outbreaks as per the requirements of international market. He further informed that APEDA helps with procuring hand-held devices including cost of software for capturing farm level peripheral coordinates for traceability systems. This will include any electronic management system, software, block chain, Artificial Intelligence (AI), or any other high precision technology. The assistance will be up to 50% of the cost of equipment subject to a ceiling of Rs. 20 lakh per beneficiary. He highlighted that in case of exporters belonging to North - Eastern States, SC/ST and women beneficiaries, the assistance will be up to 75% for all activities. He informed that assistance is provided for testing of water, soil, residues of pesticide, veterinary drugs, hormones, toxins, heavy metal, microbial count etc. in APEDA scheduled products up to 50% of the total cost subject to a ceiling of Rs. 5000/- per sample. Furthering his discussion Md. Ashraf informed that APEDA contributes for development and dissemination of database, market intelligence etc. from time to time. Special assistance is available to APEDA registered Exporters for participation in fairs / events / buyer-seller meets / reverse buyer seller meets, trade delegations, etc. APEDA Registered Exporters also get assistance for product development, R&D, enhancement of traceability, etc. He apprised the audience about the financial assistance provided for exploring new market / product development through conducting feasibility studies / assistance for trial shipment and registration of brand / IPR outside India. He informed the gathering about the 'Export Items of High importance' from NER like Pineapple, Assam Lemon, Jackfruit, Banana, Ginger, turmeric, Rice (red rice, black rice, joha rice), Chilli (King chilly, Mizo chilly), Cut flowers (Anthurium, Orchids), Organic Honey, Bamboo shoots, Passion fruit, Buck wheat. Expressing the importance of Export Quality Product he informed the participants about Inspection of products before shipment departure and instances of rejection. He informed the participants about the APEDA & NPPO approved Pack Houses near the airports that can be used by the exporters.





Photo: (left) Md. Ashraf Kamal, Business Development Manager, APEDA, Guwahati. (Right) Shri Anupam Baruah, Exporter from Assam, Proprietor, Miha Trading Solutions

In the next talk by Shri Anupam Baruah, Proprietor, Miha Trading Solutions, Guwahati on ‘Important aspects for successfully exporting GI products: *Experiences from native exporter*. Narrating his experiences from the past two years, Shri Anupam Baruah stated that for exports, quality is one of the key criteria, but parallelly price also play a major role. Thus, the product prices should be planned very strategically as exorbitant prices which makes the exported product less popular in export market. While maintain the quality of the product, the transportation plays a major role. If the cost of transportation becomes too high, maintain “export quality” becomes difficult. Though lots of myths are associated with exporters in terms of profits earned, they actually have to deal with lots of challenges to provide quality products to the overseas consumers. Besides the obligation to deliver best quality, the exporters face the challenge in aggregation and transportations that restrict them from scaling up. Sharing his plight for maintaining very narrow time window from flight booking to delivery of consignment to airport, he informed that major challenge faced range from aggregation of perishable goods, struggle with storage space etc. He Stated that major opportunity in exports lies with increase in the volume without compromising on quantity. He suggested that increase in the frequency of using the limited resources in hand may provide the solution. He cautioned that reputation of the exporter is diluted when there is a slight compromise on quality in any of the consignment. Customers lose confidence and farmer and the aggregator face lose as it's all perishable. To have a successful export-import system, it was felt that there should be transparency in the system where buyer (exporter/aggregator) and seller (farmer) can exchange their stock and price to initiate a deal. He suggested that if stocks are not made available in the time of delivery, as per the deal, then the buyer should be able to put penalty on the seller (farmer) or vice versa. Only strict measures in the delivery system can make the aggregation system functional for the exports. Similar measures should also be placed in terms of payment where, buyer should be penalized on delayed payment. The performance of each party can be recorded in the form of star rating which will impact on future business. The proper knowledge of the basics of the export should be taught and understood by the exporter which will help him to get prepared for the risks involved in export. He felt that there can be export facilitators in terms of provide axillary service like packaging material and custom house agent dedicated to the department of horticulture on affordable rate for the exporter who helped the local entrepreneurs to become a successful exporter. Finally, he requested everyone to break the myths that exporter makes lot of easy money. He stated that the work of a exporter is as challenging as a farmer working in his/her farm. For a good export business, both the exporter and the farmer should work in synchronicity. They are like the two side of the same coin or two wheels of the by cycle. Disruption in the functioning of one will strongly hinder the function of the other.

The last technical session had a panel discussion among the invited speakers and experts deliberating on ‘Scope of future GI products from Assam in horticulture’. Dr. Harsha Jyoti Borooah, Ex- Director, Directorate of Horticulture and Food Processing, Govt. of Assam, Sri. Bakul Ch. Saikia, SDAO (Horti), Directorate of Horticulture and Food Processing, Govt. of Assam, Shri. D. M. Barman, Director, Spice Board India, Guwahati Office and Smt. Jina Devi, Assistant Plant Protection Officer, Plant Quarantine Station, Guwahati participated in the discussion. Dr.Sarat Saikia, Principal Scientist, Assam Agricultural University, Horticultural Research Station, Kahikuchi, Guwahati moderated the discussion as the session chair. While discussing Scope of future GI products from Assam in horticulture, focus was put on the potent indigenous horticultural bioresources of Assam. As GIs are considered origin and quality indicator, GIs makes a product more saleable. It can also be used for avoiding ‘bio-piracy’. There is a huge scope for



commercializing lesser known horticultural crops and spices from the state like Gol Nemu, Satkora, Outenga, Leteku, Poniol, Bhim Kol, Kordoi, Rohdoi, etc. Many of such potential crops are semi domesticated without any systematic cultivation and thus inconsistent in availability. It was opined that systematic documentation of status of GI activities is vital for acquiring GI status in a strategic manner. There should be streamlining of GI activities by various agencies /organizations. This will help prevent duplicacy of the efforts. Moreover, constitution of a team of experts by drawing experts from universities and government departments and other agencies to survey each district to come up with a priority list of crops/products to help commercial understanding of each item including scope for value addition. Strategies should be made for achieving volume and consistency in availability which is a primary requirement for justification of the proposal for GI. There should be concrete plan for projecting uniqueness of the product and territorial status. It was felt that there should be periodic advisory to the concerned agencies for conservation, multiplication, propagation and to assess the quality of the crop. Attention should also be drawn towards the revival strategy, if necessary for products facing extinction and if required, aggressive display for marketing etc. of the crop.

In a separate discussion on the diversity in spices of Assam and scope of further GI registration, it was felt that availability of wide genetic resource base and varying production systems in Assam ensures sustainable production of different spice crop. Assam produces nearly 3.1 lakh metric tonnes of spices annually. Thus, it can be the hub for organic & exotic produces, spices & herbs. The state holds a major share in the production of spices such as Ginger, Turmeric, Coriander, Mustard, Chilli, Garlic. Being the gateway of the North East India, with better connectivity and fast developing infrastructural facilities, the state has the potential to be a major hub for post-harvest processing and value addition of spices from the region and can become one of the major exporting hubs. Under the One district One Product (ODOP) scheme, several districts in Assam have identified spices as their focus crop. Understanding the importance of GI, some of the lesser known yet commercially important spice crops were discussed for future protection through the status.

The programme ended with the concluding remarks from the Director Horticulture and Food processing, Shri Triranga Bharatiya Bora.



Photo: Felicitation of Shri Triranga Bharatiya Bora, Director of Horticulture & FP ,Govt. of Assam during the concluding session by Prof. P.Deb, DPIIT-IR Chair Tezpur University

## Glimpses of the Panel Discussion and the Concluding session



Photo: (Top) Pannel discussion and (bottom, right and left) the participants during the concluding session.





**A report on**

# **Workshop on Importance of IPR for Startups, Research and Academia**

**(March 06, 2023)**



**Organized by the DPIIT IPR Chair, Tezpur University**

*In association with*

**Design Innovation Centre,  
North Eastern Hill University (NEHU),  
Shillong**

**Venue: Seminar Hall, Department of Information Technology, NEHU, Shillong**

## **Preamble**

The Intellectual Property Right is certainly an integral part of the research and innovation ecosystem of an academic institution. Understanding its importance, DPIIT IPR Chair at Tezpur University has been supporting and taking up various activities for the promotion of IPR consciousness among researchers, entrepreneurs and grassroots innovators of the region and enriching them with its recent trends and developments.

As a part of this awareness drive, Tezpur University's DPIIT IPR Chair collaborated with the Design Innovation Centre, NEHU, Shillong to jointly organize a one-day workshop on the Importance of IPRs for Startups, Research, and Academia in the university to educate students and researchers about IPRs. The programme was eventually held on the NEHU campus on March 6, 2023, thanks to the combined efforts of both organisations. The goal of this day-long programme was to address the importance of intellectual property rights to students, researchers, and grassroots start-ups. The training focuses on the following points: -

- 1. IPRs for protecting Innovations and their commercialization.**
- 2. Effectiveness of IPR in protecting Research and Innovation at academic institutes.**
- 3. Hands-on Training on Patent Search**

Intellectual Experts delivering lectures during the Workshop were Prof Pritam Deb, DPIIT IPR Chair Professor, Tezpur University (Central University), Mrs. Dipamani Baishya, Project Scientist, Patent Information Centre, Science & Technology Division Assam Science Technology and Environment Council.

The interested participants in the workshop were directed to register themselves online. An encouraging number of registrations were received for participation in the Workshop. The total number of registered participants who participated in the programme was around fifty. Those registered were from different Universities and Institutes including from Tezpur University, North-Eastern Hill University, St. Anthony's College and AICTE and other nearby institutes.

## **Inauguration of the program**

The workshop started at 10:00 am with a welcome speech by Dr. Manashjit Gogoi, Coordinator, DIC, Department of Biomedical Engineering, NEHU, Shillong, followed by the felicitation of dignitaries, Dean, School of Technology, NEHU, Director, NEHU and DPIIT IPR Chair Professor, Tezpur University.

DIC, Director, Prof. Prof. D. Syiem addressed the gathering, mentioning a few words about the initiatives of DIC, NEHU in the promotion of Intellectual Property Rights among the students and faculties of the Institute. Prof. Md. Iftekhar Hussain, Dean, School of Technology, NEHU, Shillong in his short speech mentioned the importance of IPRs in the context of research and startups. The inaugural session was concluded by the speech of Prof. P. Deb, IPR Chair professor, Tezpur University.





**Photo:** Glimpses of the inauguration session; (a) Felicitation of Prof. P. Deb, (b) Inauguration speech by Prof. D. Syiem, Director, DIC, NEHU, (c) dignitaries present in the program and (d) Inaugural speech by Prof. Md. Iftekhar Hussain, Dean, School of Technology, NEHU.

## Technical Session

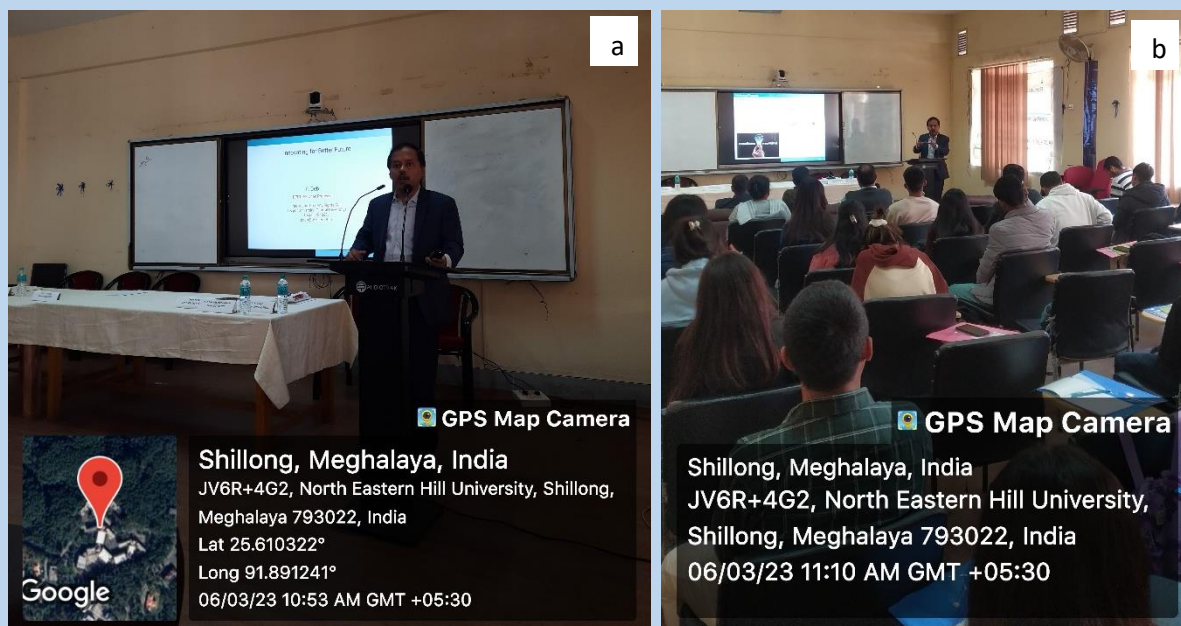
### Lecture 1

Prof Pritam Deb, DPIIT IPR Chair Professor, Tezpur University (Central University) introduced the participants to the topic of Intellectual Property. His one-hour long lecture has encompassed the following points-

1. Fundamentals of Intellectual Properties
2. Importance of Intellectual Property Right for creating startups
3. Importance of effective Intellectual Property management at education institutions
4. IPRs and translational research

Prof. Deb introduced the participants to the subject of IPRs through some real-world examples. He also urged the students to stay current on IPR trends and knowledge for their individual endeavors. Prof. Deb mentioned the importance of IPRs in the development of startups and entrepreneurship, stating that with the effective use of IPRs, one can achieve big

milestones even from scratch. He also stated that, in the current days, one should consider becoming a job provider rather than a job seeker. Emphasizing on the significance of translational research at higher educational institutes for their self-sustainability he cited the example of Massachusetts Institute of Technology (MIT), United States. Prof. Deb discussed the role of Tezpur University's IPR Cell in raising awareness about the IP protection of indigenous products from the North-Easter region, including GI registration and GI authorized user facilitation, in his lecture. He invited DIC, NEHU to join hand with IPR Cell, Tezpur University to take more such initiatives in the field of IPR in the coming days.



**Photo:** Prof. Pritam Deb delivering his talk.

## Lecture 2

The second talk of the technical session was delivered by **Mrs. Dipamani Baishya**, Project Scientist, Patent Information Centre, Science & Technology Division Assam Science Technology and Environment Council (ASTEC), Assam. Her lecture was on the topic “*Introduction to Conducting Patent Search*”.

The highlights of her lecture were as follows:

1. Meaning of Patents
2. Patent Search
3. Why to conduct a patent search?
4. Types of Patent search
5. Case study

Mrs. Baishya began her lecture by defining “*What is Patent?*” and arguing the importance of conducting an effective prior art search in any field of invention prior to embarking on a scientific project in that field. She demonstrated Patent Search to the participants, showing how to conduct a patent search in various patent search sites such as *Google Patents*, *Espacenet*, and *Patentscope*. She also used some examples of inventions to demonstrate the patent search using the sites mentioned.



**Photo:** Mrs. Dipamani Baishya delivering her talk.

### **IP Quiz session**

An IP quiz session was organized to further enrich the understanding of IPRs. Mr. Ashutosh Das, the region's renowned quiz master and founder of the quizzing start-up KNOWit, kicked off the quiz session with a brief introduction to the topic. Participants rated the session highly, and students actively participated in the programme. As a token of appreciation, the winners received instant prizes. The quiz lasted one hour.



**Photo:** Open house Quiz session by Mr. Ashutosh Das

### **Closing**

Dr. Koushik Saikia, Research Assistant, IPR Cell, Tezpur University gave a vote of thanks at the end of the programme, thanking the DIC and NEHU for their support and infrastructure facilities, as well as for organising the workshop. He also thanked the DPIIT of the Government of India for its financial assistance in organising the event. He thanked the



invited resource people for their time and lectures, as well as the participants for their active participation in the programme. He expressed his desire to organize many more such events in the future.

### *About the Speakers*

#### **Prof. Pritam Deb**

Prof. Pritam Deb holds position of DPIIT IPR Chair Professor in Tezpur University (Central University). He is a nationally recognized scholar and teacher in the fields of IPR, Patent, PCT and Trade secrets. He has been constantly providing technical supports guiding the innovators and creators for creating and securing an IPR conscious ecosystem. Besides teaching technical nuances to the students enrolled for the courses on IPR, he has also been working for initiating many industry academia research collaborations as part of the efforts initiated for creating a Pro-Industry research platform in the University. He did his Ph.D. in Nanoscience from Jadavpur University and post doctorate from TU Delft. His research achievements include nine patents and two software copyrights, besides 130 research papers in reputed journals. He spearheaded many innovative IPR activities in Tezpur University campus -- Best Innovative Idea Competition, IPR Quiz, IP Day Talk etc. He has provided effective and inspiring leadership by preparing and implementing strategies of IPR Policy objectives e.g., Creating IPR Awareness, Administration and Management of IPR, Human Capital Development. He has received many international and national awards and recognitions in his career. Recently, in recognition to significant contribution in innovation and technology development, he has been adjudged for the prestigious Visitor's Award conferred by the President of India for Technology Development for the year 2020. He also held a number of visiting and honorary positions, including the Max Planck Fellow of Max-Planck-Institut für Eisenforschung, Germany, APS-IUSSTF Professor at Rice University, USA etc.



#### **Dipamani Baishya**

Dipamani Baishya is working as a Project Scientist in the Patent Information Centre (PIC- Assam) at the Assam Science Technology and Environment Council (ASTEC). She is an engineering graduate and holds her bachelor degree in Civil Engineering. She received training in Patent analysis, search and filing from the National Institute for Micro, Small and Medium Enterprises (ni-msme), Hyderabad.

She has been working in PIC in various forms of Intellectual Property (IP) such as patent, trademark, copyright, design registration,





Geographical Indications etc. She has more than six years of experience in providing Intellectual Property support starting from consultation, conducting searches for viability of registration of inventions, creations etc., pre and post filing support. She also has delivered lectures, presentations on IP and various related topics in many platforms, both as in-house and invited expert.

She has conducted over 60 patent searches out of which many have been filed as complete as well as provisional applications at the Patent Office. She also has experience in providing post-filing support like First Examination Report (FER) analysis, resolution etc. of Patent applications. She is well versed in GI registration with both pre as well as post filing process that includes registration of Authorised Users of a GI as well.