



# IPR Jagoran...

“TUIPR Cell on its way to IPR Awakening”

Tezpur University Intellectual Property Rights Cell

## A peep into the contents...

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## Our Acknowledgements ...

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- NRDC for patent filling and technology transfer.
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- ASTEC for partially funding some of our activities.
- NEC for funding some of our activities.
- MSME-Di for collaborating in outreach activities



The IPR Cell has a unique mandate as it has been operating in last four years broadly speaking in two major directions: IP management of home grown technologies and IP teaching. Outreach activities in collaboration with Government funding agencies have added an important dimension. One of the worth mentioning activities of this period was the organization of industry-academia meet and innovation exhibition of technologies developed in TU.

Amidst fervour and enthusiasm, IPR Cell celebrated 10th year of existence in University in 2019 through year-long activities. Right off the bat, we also celebrated the victory of student innovators winning GYTI (Gandhian Young Technological Innovation) awards for consecutive three years based on their patented inventions. A number of research groups have been conferred with patent grants. The annual programs of innovative idea competition, IP quiz, IP Day lecture have received

more popularity among students and research scholars in these years. Another significant move for TUIPR Cell was inducting University's own IP policy for providing directions to all persons and institution with regard to IPs of their creative endeavours.

The year 2020 was unprecedented and taught us the important lesson of being resilient. The teaching and evaluation were conducted following the academic calendar moving from physical to online mode. We moved all our meetings online, including the meetings with inventors, attorney and regulatory bodies. Creation of this virtual community was not easy. Our ever-widening circle today is a result of our continuous outreach to institutions, government, researchers, students - both in digital and non-digital times. While feeling great of the above feats, the TUIPR Cell cannot afford to be complacent as many milestones are yet to achieve and to overcome.

- From the Editors



At the outset, I am very pleased to mention about the conferring of prestigious IPR Chair to the University from DPIIT, Ministry of Commerce and Industry, Govt. of India. This accomplishment certainly reflects continuous efforts and dedication from the Cell in providing adequate support and assistance to the Intellectual fraternity of the University and also to the grassroot innovators of the Northeast India in achieving their deserved intellectual rights over the years. The MoA with NRDC is another remarkable step in the glorious journey of the TUIPR Cell.

The capabilities of human mind are best expressed during its endeavour to overcome and survive a crisis. This was fairly proved again in the present times when surviving the COVID-19 pandemic became our highest priority. TUIPR Cell is also not an exception in this crisis and continued all the IP filing related activities along with IP teaching on online platforms with full enthusiasm and dedication.

I would like to take this opportunity to congratulate TUIPR Cell for the successful completion of 10 years of its splendid journey. In this decade, the Cell has been working very hard for fostering a spirit of innovation & creativity among innovators of the University. A significant change has been observed in the perception of the University fraternity about protecting their intellectual outputs. IPRs applied from the University till date stand testimony to our commitment to bring the knowledge created within the University out for the Society for appropriate use.

This issue of 'IPR Jagoran' is like a mirror reflecting all the works carried out by TUIPR Cell in the last few years. It also portrays the evolution of the Cell to its present form in these years. I wish all the best to the TUIPR Cell for its future endeavours.

- V.K. Jain



The nation is at a crossroad with the new IP policy for achieving self-reliant India. The universities are important cradle of intellectual creation and innovation. Building a strong IP ecosystem that is accessible to researchers, faculties, students and also to grassroot innovators is a priority of Tezpur University. Formulation of IPR Policy of the University has been one of the significant steps towards creating and securing an IPR conscious ecosystem. The TUIPR Cell is sincerely involved in teaching IPRs at various levels for development of worthy human resource with added skills embedded with ethical values.

The present issue of IPR Jagoran newsletter is showing overwhelming evidences of direct and indirect impacts on university's innovation profile, suggesting highly significant positive changes within and beyond the institution. This newsletter issue comes amidst challenges and opportunities arising from the COVID-19 pandemic. The inventors of University have shown commitment and a strong willingness to address international challenges in a post-COVID world. Here, we are sharing the successful outcomes of innovative projects. TUIPR Cell is playing an active role to facilitate IP registrations of home grown technologies even amid this pandemic. These initiatives have received financial funding support from Tezpur University, DST-TIFAC and NRDC. On the other side, teaching IPR courses were continued in such critical times.

Every issue of 'IPR Jagoran' celebrates the accomplishments of university inventors from innovative solutions addressing community. We look forward to further strengthen this platform to bring together multifunctional activities of TUIPR Cell.

- P. Deb

## IPR Policy adopted for the University

### DPIIT- IPR Chair

Department of Promotion of Industry and Internal Trade (DPIIT) under the Ministry of Commerce and Industry, Govt. of India instituted the IPR Chair at Tezpur University in 2020. With the adoption of the National IPR Policy in the national fabric in 2016, various policies have been set forth for empowering more youth to get benefited from their innovations, generation of better employment opportunities based on execution and protection of intellectual outputs, and exploration of opportunities based on indigenous resources and traditions. In such a scenario, the TUIPR Cell along with the firm support from DPIIT IPR Chair is working hard for opening doors for IP based research which shall not only set the stage for the next level of opportunities from this region, but also record the contribution from our University towards this national movement. Consistent efforts from this Chair are now directed towards securing IPRs of the University fraternity. It is also aiming cater to the demand for IPR empowered academicians and professionals across the country.

Presently, Tezpur University has appointed Prof. Pritam Deb as the IPR Chair.

In February 2018 the IPR policy of Tezpur University has been approved and adopted in Tezpur University. Henceforth, the university has joined the rare league of institutions within the country, which has an institutional IPR Policy.

This IPR Policy provides directions to all persons and institutions associated with Tezpur University on processes to be followed by its faculty, staff, students, collaborators, funding agencies and their like, with regard to products of their creative endeavours, converting them into effective intellectual property (IP), transacting their generated IPRs in the course of knowledge transfer for commercialisation and societal growth. Tezpur University believes that efficient management of IPRs within its educational system will not only enhance the quality of the education and research, but will also ensure cohesive development of worthy human resource with added skills embedded with ethical values.

The Tezpur University IPR Policy further derives synergy from the Choice Based Credit Transfer Courses in IPR in which the students get exposed to the fundamentals of IPR and how it is used in the national and global context.



**Prof. V. K. Jain**  
Chairman, TUIPR Cell



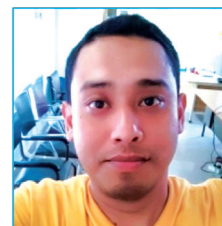
**Prof. P. Deb**  
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Research Assistant, TUIPR Cell



**Dr. Koushik Saikia**  
Research Assistant, TUIPR Cell



**Mr. Partha Pratim Basumatary**  
MTS, TUIPR Cell

**OUR  
TEAM AT  
TUIPR CELL**

## Innovation during COVID-19 pandemic

Dr. Kishore Baruah from the Department of Physics, Tezpur University, designed a protective face shield suitable for bespectacled wearer that could shield the person from unwanted exposure to body fluids and/or other harmful infection causing germs/viruses. It is foldable, light weight (164 gms.) and readily replaceable. Advantages of this face shield system are:

- Full area coverage of a human face up to the chest.
- Designed to facilitate speaking without any trouble.
- Sufficient air circulation after wearing for long duration use.



Side view of the Protective face shield while wearing it (in left), front view of the Protective face shield (in middle) and schematic view of the face shield design (right).

- Non flickering visor.
- Suitable even for bespectacled users as no fog is formed while exhalation of air.
- Foldable frame, easy to carry and requires less space to store.

The invention has been filed for patent (application no. 202031016837) and also for industrial design (application no. 328958-001).



## MoA with NRDC

◀ Exchange of signed Memorandum of agreement with NRDC.

In a landmark initiative for commercializing the home-grown technologies, Tezpur University has come in agreement with National Research Development Corporation (NRDC), an enterprise of the Department of Scientific & Industrial Research, Ministry of Science & Technology, Govt. of India, to develop fruitful collaborations with suitable industry partners and commercialise promising technologies developed in the campus.

A Memorandum of Agreement has been

signed in this regard on 02.06.2018 in the University between Tezpur University and NRDC in presence of key functionaries. Dr. Biren Das, Registrar, TU and Dr. H. Purushotham, CMD, NRDC signed the documents on behalf of their respective organisations.

This initiative is believed to accelerate the process of rolling out of the home-grown technologies to the market, which will make them available to the society, beyond the university campus.

## Trademark Registration



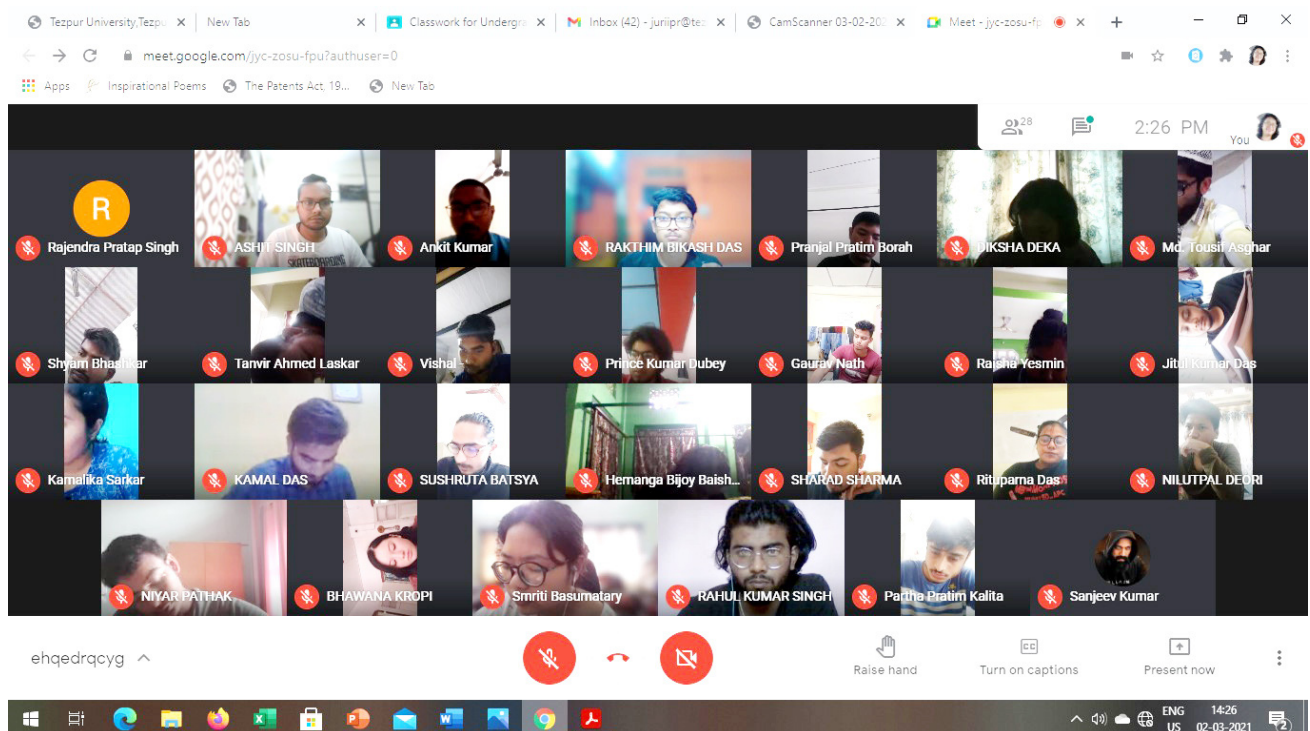
TUIPR Cell provided technical support to M/s Lahkar Udyog Pvt. Ltd., Tezpur for filing trademark for their current and upcoming retail products in the field of milk and milk products, edible oils and fats, rice, flour, and preparations made from cereals, mustard, etc. A trademark with brand name 'Bali Ram' was filed on 20/11/2020 under the category of body incorporate for class 29 and 30 covering the products for protection against any counterfeit products that may harm the reputation of the enterprise.

## CBCT IPR FOR PHD STUDENTS: IP750 Intellectual Propety Rights in Research and Beyond

A special IPR course for the PhD students was designed and offered in the autumn semester of 2013. This has opened a new dimension in our University System to facilitate a process for seamless integration, internalisation of IPR and good practices as the PhD students get initiated to their respective research topics. The students are being trained to conduct prior art searches, prepare patent landscapes and study patent documents so that they are able to better define their research problem and develop proper approaches to solve them without rediscovering the wheel.

## CBCT IPR FOR UG STUDENTS: IP250 Fundamentals of Intellectual Property Rights

Encouraged by the positive responses received from the students in last few years, a CBCT IPR course is re- introduced from the Spring 2021 at the undergraduate level as an inter disciplinary course. This course will facilitate the young minds to appreciate IPR and its impact on innovation, trade, commerce and societal dynamics. As per the aim of this course, students are guided in a way that they can realise the importance of protecting their own intellectual properties to sustain in a competitive and progressive world.



Classes on IPR in both offline mode (top) and online mode (bottom).

## Workshop on IPR for school children on 1st October, 2018



Ms. Divya Srinivasan, CIPAM, during the technical session.



The participants during one of the technical sessions.

As part of the Silver Jubilee Celebration of Tezpur University and Decadal Existence of the IPR Cell, a special IPR workshop was conducted for school children in Tezpur University campus on 1st October, 2018. Schools from Tezpur town and villages in and around Tezpur University participated. As many as 256 students and school teachers attended the programme that was organized in collaboration with CIPAM, a professional body under the aegis of Department of Industrial Policy and Promotion (DIPP), Govt. of India. It is noteworthy to mention here that this programme was a maiden event in this region of the country at school level to facilitate, students, teachers and educators realize the importance of Intellectual Property Rights and to orient them towards an IP conscious ecosystem. With National Intellectual Property Rights (IPR) Policy in place from May 2016, the Government of India has been undertaking several IPR awareness programmes across the country, under the flagship of CIPAM, for schools.

The key focus of every such initiative is to nurture creativity and the ability to innovate from a young age and to become conscious of its protection through various IPR tools. Taking cognisance of the importance of this nationwide initiative, the IPR Cell had been planning to organise such a programme for a long time. This workshop symbolised inclusion of both private and public schools within the ambit of

IP consciousness. Five Schools namely: Don Bosco School, Fakkruddin Ali Ahmed High School, Tezpur Gurukul School, Napaam Model High School and Kabilabad High School participated in the program.

The gathering was welcomed by Prof. P. Deb, then Coordinator, TUIPR Cell and inaugurated by the Vice Chancellor of Tezpur University, Prof. V. K. Jain. Ms. Divya Srinivasan, CIPAM, deliberated on "IPR Awareness for School Children". While introducing the theme to the school students, Prof. Deb highlighted the importance of innovation in our daily lives. He encourages the school students to dream of ideas which will lead to innovation and development of technologies in future. Taking the discussion forward in his inaugural address, Prof. V. K. Jain, threw light on the practice of rampant and deliberate copying of material found in the web for doing assignments by school students. Stating this workshop to be a unique beginning, the Coordinators expressed that including concepts of IP and IPR at school level in very basic form, shall instil a sense of respect among the students regarding of IPs for others and encourage them to become cre-

ative and to appreciate originality.

A quick summary of the proceedings was provided by Dr. Juri B. Saikia, Research Officer, IPR Cell followed by a vote of thanks.



Participants with the organizers of the workshop.

## In 2017

▼ IP day 2017 talk by Prof. N. Karak.



With the theme “Innovation – Improving Lives”, Tezpur University Intellectual Property Rights Cell celebrated the World Intellectual Property Day, on 26 April, 2017. The celebrations included a half day programme comprising of the IP Day Quiz, Best Innovative Idea Competition and Slogan writing competition relevant to Intellectual Property Rights. The event was organised in the Council Hall of Tezpur University with a gathering of students, research scholars and faculty members from various departments. This year 23 groups, consisting of 46 students participated in the quiz competition which lasted for 4 long hours. Other events also witnessed encouraging participation.

## In 2018

Like every year, that year too, the World Intellectual Property Day was celebrated in the campus with much enthusiasm and creative engagements. However, the competitive events for IP Day 2018 had to be organised on the eve of 26th April, to accommodate events for RITES-2018. The much-awaited



quizzing event, the IP Quiz, was conducted by Mr. Ashutosh Das, a TU alumnus, that was based on issues related to intellectual property and its associated rights. The exercise exposed the participants not only to the theme of this year “Powering change: Women in innovation and creativity”, but also to small nitty-gritties of intellectual property in our lives, that we come across regularly, but often fail to recognise due to ignorance. 26 teams participated in the event and two teams were adjudged winner and runners up respectively.



A national symposium was organized on 26th April, 2018 in Tezpur University, coinciding with celebration of 10th year of establishment of the TU-IPR Cell, and Silver Jubilee Celebration of the University’s establishment. This symposium on “Role of Innovation and Technology for Sustainable Development : Integrating Transformation with Sustainability (RITES-2018)” was a maiden attempt in this region to bring together top management professionals from industries, academicians, researchers & students of diverse fields together to discuss various dimensions of academia-industry partnership and exchange ideas, practice and experiences on different aspects of industry-academia integration.

Top: IP day Quiz, 2018.

Below: Innovation exhibition during RITES-2018.

Invited experts from industries like Hindustan Unilever, IBM, Permacel Ltd., ONGC, etc. deliberated upon the latest innovations in their respective sectors. They also participated in discussions on facilities that are expected for working in collaboration with universities. Entire focus of these deliberations was concentrated around facilitating pro-industry research in the region.

Experts from government bodies like Indian Patent Office, NRDC and MSME appraised the gathering about the schemes that are available for supporting such industry-academia collaborations and entrepreneurship.



Felicitation of Dr. N.M. Kakoti, Associate Professor, Dept of ECE, Tezpur University during the technical session-II at IP day, 2019.



Resource persons of RITES-2018 during one of the technical session.

In 2019, Intellectual Property Day was celebrated in Tezpur University on April 26 under the flagship of TUIPR Cell with an array of programmes that were meant to focus on encouraging innovation and creativity. That year the theme of the celebrations was centred around “Reach for Gold: IP and Sports”. Together with the annual IP competitions like quiz, best innovative idea competition and slogan writing competition, the IP Day was celebrated with an IP lecture series where de-

liberations were held on the latest innovations in various fields from the invited speakers. Deliberations from experienced industry executives like Asian Paints, Playin App Technologies limited, Panacea Medical Technologies Pvt. Ltd. and officials from institutions like Guwahati Medical College & Hospital, highlighted on how some of the home grown technologies are finding acceptability and making their way not only in the Indian market replacing highly competitive MNC

products, but are also being exported to other countries. One of the heart-warming examples was discussed after the presentation on physics of applying radiation therapy to cancer patients, which was an indigenous technology developed in the form of “Bhabhatron -II”. This invention was basically a Cobalt Therapy Machine made by BARC in collaboration with Board of Radiation and Isotope Technology & SAMEER and licensed to Panacea Medical Technologies.

This is believed to bring down the price of the treatment of cancer patients as these are manufactured with less than one-tenth of the price of the imported machine. Similarly, the evolution of the Asian Paints from manufacturing mere exterior paints to creating paints that are weather proof, purifies indoor air, kills bacteria etc. took the participants through an interesting journey of self-evolution fuelled by the zeal to remain market leaders.

During the interactive sessions, the participants realized that remaining articulated and self-motivated is the key to innovate constantly. One presentation



Organizers with the IP day quiz, 2019 finalists.

on the perspective towards Sports and Robotics at Tezpur University by one of the in-house faculty member showcased the AI capabilities of the University to the invited guests and the participants.

Another presentation that was dedicated to the theme of the celebrations was from the app developer enterprise, Playin App Technologies, which showcased an integrated platform to connect all the sports related services and utilities through one mobile based application. 120 students from University and nearby colleges/institutes participated in the same.



# 2nd Industry Academia Conclave on 30th December 2018

As part of celebration of its silver jubilee, a regional workshop on “Translational Research and Innovation-.....making use of IPR across value chain” was organized on 30th of Dec (Sunday), 2018. This workshop cum training programme, jointly organised by TUIPR Cell with NRDC, was aimed at providing solutions to technological demands through deliberations from top technocrats belonging to various sectors like Oil India Ltd, Duliajan, M/s Medlis Healthcare Pvt Ltd., Ahmedabad, Bhogali Food Products Pvt. Ltd., Guwahati, Williamson Magor Group etc. and professionals from organisations like LS Davar and Co. (IP attorney), Indian Patent Office, Kolkata and NEIST Jorhat.

Prof. Pritam Deb, then Coordinator, TUIPR Cell, shared with the gathering about the idea behind organizing such a workshop for the innovators in his welcome address. Inaugurating the workshop, Dr. H. Purushotham, CMD, NRDC stressed “inventors must focus on Technology Readiness Level (TRLs) and work more aggressively on bridging the gap between technology and market requirement”. He further elaborated on investment patterns of developed countries on successful technology translation from Lab Scale and market ready prototype.

Resident Chief Executive, OIL, Shri B.P. Sarma, the Guest of Honour, while discussing the research and development activities of Oil India Limited, provided a sneak peek into the perspective with which the industries like OIL see translational research. Elaborating on the technologies invented and secured by the organisation in terms of patents he further stated that very soon these will be rolled out for commercialization. Expressing hope for collaboration with academic institutions, he stated that that technology infusion and collaboration seems possible in terms of certain areas like



Inaugural session, Welcome address and Introduction by Prof. P. Deb, then coordinator, TUIPR cell.

Enhanced Oil Recovery (EOR), reducing wastage of crude oil while exploration etc.

The spirit of the workshop on translating innovations to marketable technologies was further elaborated by the Dean Research and Development Tezpur University, Prof. A.K. Mukherjee.

The workshop was attended by 30 selected participants from various fields of science and technology, who had one or more technologies in hand and are getting ready for translation in the next level. Besides, having dedicated sessions on sectors like Pharmaceuticals, Oil Industry, Food Industry, Tea Industry, Industry-Academic Business Incubation etc., the workshop included presentations from 14 innovators which were showcased to the industry representative and IPR professionals for comments. The daylong programme ended with a vote of thanks from the Research Officer, IPR Cell Dr. Juri B. Saikia.



Presentation by Shri. Bipul Gogoi, Manager Boroi Tea Estate.

Participants of the workshop with the resource persons and the Organizers.





Weaver and cultivators of Muga as participants of the workshop.

A workshop was conducted at Harhi College on 24 the October, 2019 on ‘Effective use of Geographical Indication and Trademark in the market for handloom industry’. This workshop was the culminating workshop in the series of the earlier two IPR workshops held in and around the Muga Cultivation Hub of Assam, i.e. Lakhimpur. These workshops were meant for empowering the Muga Cultivators to face competitive market forces with renewed confidence by using various IPR tools. This time, going a step ahead, the workshop was organised jointly with the MSME-Di Guwahati to acquaint the cultivators and weavers about various Govt. Schemes to help them grow and establish as independent entrepreneurs. The workshop was also supported by GI Registry Chennai for its effort to bring this unorganised sector and the workers into a more organised form.

The technical sessions started with the first presentation on the topic “Overview on Intellectual Property Rights”. This was meant to introduce the gathering with other tools of IPR like Copyright, Patents, Trademarks which can be useful in protecting their intellectual property for any economically important product that is created besides the Muga fabric. Starting with the definition of discovery and invention, the joint deliberation by Prof. P. Deb and Dr. Juri B. Saikia saw discussion on importance of IPR through a reflection on popular commercial products that had several IPRs within it.

Giving away authorised user certificate by the SDO Dhakuwakhana.



Officials from MSME-Di Guwahati and TUIPR Cell, Tezpur University participated in the workshop as resource persons. These IPR workshops have resulted in more than 300 Authorised Users for the GI- Muga Silk so far.

The authorised users from Assam are now empowered

## IPR workshop for the Muga weavers and cultivators



Giving way the token of Appreciation by SERIFED to TUIPR Cell through SDO.

to certify Muga Silk’s purity and authenticity by using the GI mark and logo on the finished products. Chief Guest of the programme, the SDO, Gobindapur, applauded the initiative of the TUIPR Cell to reach out and support the grassroot people. In his concluding remarks he reiterated the need to protect the intellectual properties associated with the traditional goods.

The participants, mostly the Muga weavers and cultivators from Gobindapur-Dhokuakhana areas, applauded the persistent efforts put in by the TUIPR Cell to make the intellectual property of the community... Muga silk ...unadulterated entity in the market and increase the visibility for the interested buyers across the country and beyond.

The people participated in the discussion that followed during and after the presentation. They realized how without being aware of its presence, they had been witnessing and using many IPRs for their daily lives and how each of them affected their market presence and saleability.

Vote of thanks was delivered by the Research Officer at IPR Cell, Tezpur University, Dr. Juri B. Saikia.



## IPR Awareness Programme at Beltola College

TUIPR Cell of Tezpur University was invited to conduct a daylong workshop on ‘Intellectual Property Rights’ at Beltola College, Guwahati on August 10, 2019. The workshop was organised by the Department of Political Science of the College in collaboration with Enajori (NGO). Professor Pritam Deb, Department of Physics and then Coordinator, Tezpur University Intellectual Property Rights (TUIPR)

Cell explained the participants about ‘Introduction to Intellectual Property Rights’ while Dr. Juri Borbora Saikia, Research Officer, TUIPR Cell delivered a lecture on ‘Geographical Indications and its implications on communities’. A quiz on IPR was also conducted by Ashutosh Das, alumni of Tezpur University and founder of the start-up “Knowit”. Around 60 participants joined in the same.

## IPR Awareness Programme at Nowgong College



Participants during one of the technical sessions. Inset: Prof. P. Deb

Keeping up with the objective of reaching out to the academic institutions of the region, a day long programme on Intellectual Property Rights Awareness was organised on 20 February 2020 at Nowgong College, Nagoan. This programme aimed at familiarising the students about the Intellectual Properties that they come across in their day to day life. The programme was jointly organised by Tezpur University Intellectual Property Rights (TUIPR) Cell along with the newly instituted Technology Enabling Centre (TEC), Tezpur University, and the Institutional Innovation Cell (IIC),

Nowgong College. The main objective of the programme was to boost innovation among the college goers. More than 100 students from Nagoan participated in the programme.

The programme started with the welcome address by the Principal, Nowgong College, Dr. Sarat Barkataki. Later, importance of innovation was put forth by Prof. Charulata Mahanta, from the Department of Food Engineering and Technology (FET), and Coordinator, TEC, Tezpur University. Prof. Pritam Deb, then Coordinator, TUIPR Cell and member, TEC, briefly apprised the audience about the importance of protecting Intellectual Property and how it works for the advantage of the creators. Similarly, importance of identifying IPRs during various stages of innovations were put forth by Dr. Partha Pratim Dutta, Associate Professor, Mechanical Engineering, and Member, TEC, Tezpur University. Prof. Manuj Kumar Hazarika from the Department of FET, and Co-Coordinator, DST-TEC, delivered the vote of thanks. He also elaborated on the importance of Institutional Innovation Cell (IIC) in colleges in his concluding note. The programme ended with a vote of thanks by the organisers.

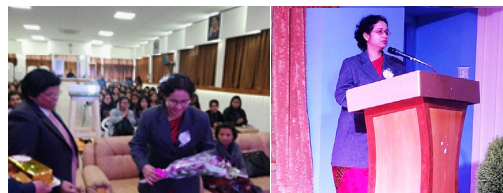


## IPR Awareness program at MSME-Di

Prof. P. Deb deliberating on IPRs and its importance for the entrepreneurs.

A day long awareness program was organised on Intellectual Property Rights on 3rd March 2020 at MSME-Di, Guwahati in association with DPIIT-CIPAM, Ministry of Commerce, Assam Chambers of Commerce and DICCC, Kamrup (M). The Program was designed for group of MSME units /Entrepreneurs / Industries on different topics on IPR which was believed to benefit the existing MSMEs and prospective entrepreneurs. Prof. P. Deb, Coordinator, TUIPR Cell and Dr. Juri B. Saikia, Research Officer, TUIPR Cell, Tezpur University deliberated upon various aspects of IPRs and its uses for the upcoming industries and entrepreneurs.

## IPR Awareness program at St. Mary's College, Shillong



Felicitations of Dr. Juri Borbora Saikia (left) and while she was delivering her speech (in right).

A one day IPR awareness programme was organised by the Institutional Innovation Council (IIC) of St. Mary's College, Shillong on 7th March, 2019 to deliver a talk on 'Basics of IPR'. Dr. Juri B. Saikia, Research Officer, TUIPR Cell, Tezpur University deliberated on 'IPRs for Entrepreneurs' to enlighten the young entrepreneurs with opportunities with IPRs in business. Around 80 students participants from various departments participated in the programme.

## Workshop on Information Access and Analysis

A day long workshop was organised by the Tezpur University Intellectual Property Rights Cell in collaboration with the Central Library, Tezpur University on 10 May, 2017 for the students and researchers in the University. The workshop was themed on Information Access and Analysis in the Innovation and Research Value Chain. The main aim behind organising such a workshop, in addition to the annual Patent Search and Analysis workshop, was to give a hands-on exposure to the diverse information sources/databases that may be accessed in various subjects of interest in Science, Technology, Humanities and Languages etc.

Shri N.V. Sathyanarayana, who is one of the pioneers and experts working in the field of in-



Participants of the workshop with the organizers and the resource persons.

formation access and technologies, and Shri. Sambhunath Sahoo, then Information Scientist in Central Library, Tezpur University deliberated upon various topics.

The topics of discussion ranged from the Art of Searching: Non-Patent Literature which covered broadly the issue of conducting targeted search of databases for contextual information with special emphasis on approaches, strategies and methods, to Access of E-Resources at Tezpur University. 37 participants from within and outside the university participated in the same.

# Gandhian Young Technological Innovation (GYTI) Awards

## Winner of GYTI Award -2017

Patent applied as “Smartphone based system for detection and measurement of chemical and biological species in liquids” with application no. 201631022922 applied on 4th July 2016

Gandhian Young Technological Innovation (GYTI) Award 2017 was conferred to Mr. Iftak Hussain of Dept. of Physics, Tezpur University and his research group for the innovative work on design and development of low-cost and field portable smartphone based optical platforms for photometric sensing application, specifically useful for water quality monitoring.

## Winner of GYTI Award -2018

Patent applied as “Novel Soil Conditioners” with application. no. 201631010727 applied on 29th March, 2016.

Gandhian Young Technological Innovation (GYTI) Awards 2018 was conferred to the students of Tezpur University namely: Ms. Pallabi Das, Dept. of Environmental Science and Ms. Kasturi Sarmah of Dept. of Chemical Sciences, Tezpur University and their research group for their innovative work on large-scale synthetic routes to manufacture iron (oxalate) capped metal oxide nanomaterials that are wonderful soil conditioners for increasing micronutrient availability to plants with least toxicity



▼ Awardees receiving the award from the Honourable President of India at Rashtrapati Bhavan.

It's a matter of pride that young researchers from our University have received the Gandhian Young Technological Innovation (GYTI) Awards for three times consecutively. We, TUIPR Cell family, congratulate them for the award and for their extraordinary research and innovations.



Awardees receiving the award at Rashtrapati Bhavan.

## Winner of GYTI Award -2019

Patent applied as “Integrated and automated set up for preparation and vending of panipuri” with application no. 201831009678 dated 16th March 2018.

The recipients are three mechanical engineering students Mr. Saurav Jyoti Sarma, Mr. Abhijit Nath and Mr. Chandeeep S. Gogoi who had initiated this work as part of their B. Tech project. The idea behind this invention was to prepare hygienic panipuri quickly and make it available to the consumers, as per their choice 24/7. This machine works as a single unit but has various subunits for storing items like hollow bread, different types of stuffings, various types of flavoured water and sauces. An interface unit (OLED screen) allows customer to choose appropriate option with guided instruction for transaction. Lesser space requirements make it easy choice for installation in places like malls, restaurants, luxury hotels, airports etc. This machine is believed to promote acceptability and ensure availability of this Indian Snack across the world.



Awardees receiving the award at Vigyan Bhavan.

## Facilitating protection of IP generated in Tezpur University

### PATENT GRANTED DURING 2016-2021

Sl.No	Patent no.	Title	Inventors
1	280737	Arsenic removal from groundwater by oxidation – coagulation at controlled pH for domestic and community applications.	Robin K. Dutta, Shreemoyee Bordoloi and Suresh Kr. Nath
2	283552	“A process for the preparation of amla chips”	Poonam Mishra, Vandana Mishra, G.K. Rai
3	285978	A process for preparing carbon nanotubes for non-biodegradable polypropylene and polytetrahepente	Ravi Bihari Srivastava, Sanjoy Kumar Samdarshi and Samrat Paul.
4	289204	A highly efficient defluoridation method by in-situ generation of an efficient precipitant and strong adsorbents of fluoride in crushed limestone fixed –bed column and plug flow reactors.	Robin K. Dutta and Suresh Kr. Nath
5	297449	Single step process for the synthesis of polyaniline nanofiber reinforced polymer nano composites	Ashok Kumar and Somik Banerjee
6	312661	A tough synthetic low dielectric hyperbranched epoxy thermoset and a process of preparation thereof	Niranjan Karak and Bibekananda De
7	325837	Digital Occupany Meter for Commercial Passenger Vehicles	Pradyumna Kr. Choudhury
8	343590	Novel Soil Conditioners	Sanjay Pratihar, Satya Sundar Bhattacharya, Pallabi Das and Kasturi Sarmah
9	345356	A synthetic hyperbranched epoxy surgical sealant and a process for preparation there of	Niranjan Karak, Saswat Barua and P. Chattapadhyaya
10	351940	Multifunctional nanoparticles and methods for synthesis there of	Pritam Deb and Madhulekha Gogoi
11	357468	System for measuring and correction of alignment parameters camber and toe of wheel of a vehicle	Santanu Sarma, Barnalee Sarma, Riku Chutia and Partha Pratim Dutta

### PATENT APPLICATIONS FILED DURING 2016-2021

Sl. No.	Application no.	Title of the Patent	Name of the Inventors
1	202031039202	Development of low fat baked snacks using de-oiled soya flour	Ayan Bhattacharjee, Devesh Kumar and Laxmikant S. Badwaik
2	202031016837	Protective face shield system with adaptability for bespectacled wearer for health care/medical purposes	Kishor Kumar Baruah
3	202031000071	An improved iron fortification technique for fortification of rice using cold plasma	Poonam Mishra and Kumudhini Akasapu
4	201931052903	Custom synthesized Neuritogenic Peptides and its uses thereof	Ashis Kumar Mukharjee, Taufikul Islam, Rupak Mukhopadhyay, Munmi Majumder
5	201931049269	An EMG based Prosthetic Hand Controller for Real Time Grasping realizing Neuromuscular Constraint	Nayan M. Kakoty, Lakhyajit Gohain

## Facilitating protection of IP generated in Tezpur University

6	201911027455	Aptamers against phospholipase A2 in snake Venom and uses thereof	Tarun Kumar Sharma, Anjali Anand, Robin Doley
7	201931020800	Polymer/antibiotic coated Muga (antheraea assamensis) silk suture	Arup Jyoti Choudhury, Gazi Ameen Ahmed, Namita Ojah
8	201931014698	Two dimensional heterostructure based composite films for food packaging	Pritam Deb and Meenakshi Talukdar
9	201931020800	An optical fiber prototype instrument for online monitoring of transformer oil insulation	P. P. Sahu
10	201931012050	A continuous jaggery making machine	Mr. Amit Baran and Das Himakshi Baishya
11	201831038837	Toxins-targeted specific novel anti snake venom	Asish Kumar Mukherjee Aparup Patra, Sumita Dutta, Bhargab Kalita and Abhisekh Chanda
12	201831045154	A bicycle saddle system adapted to exert backward reactive force in countering the forward slip of the rider during sudden braking	Dilip Dutta, Arpeeta Saikia, Zahnapriya Kalita and Sudipta Saikia
13	201831045155	System for enhancing stability of bicycle by steering-back handle bar automatically	Dilip Dutta, Sudipta Saikia, Zahnapriya Kalita and Arpeeta Saikia
14	201831009528	A portable optical fiber instrument for instant petrol purity detection	Partha Pratim Sahu
15	201831009592	Designed 2d graphitic sheet for viscous oil removal using magnet	Pritam Deb and Meenakshi Talukdar
16	201831009678	Integrated and automated set up for preparation and vending of panipuri	Saurav Jyoti Sarma, Abhijit Nath, Polas Pratim Dutta and Chandeeep Suman Gogoi
17	201831010002	Toxin-epitope based detection of species-specific snake envenomation	Asish Kumar Mukherjee and Sumita Dutta
18	201831010001	Synthetic anticoagulant peptides derived from Naja naja snake venom	Asish Kumar Mukherjee and Sumita Dutta
19	201831009091	A smokeless multifunctional and multipot solid fuel stove	Biswajit Gogoi and Debendra Chandra Baruah
20	201731009379	Magnetic secondary nanostructure as contrast agent for Magnetic resonance imaging	Pritam Deb and Koushik Saikia
21	201731000104	Selective para-hydroxylation of substituted aromatic hydrocarbons using H <sub>2</sub> O <sub>2</sub> catalyzed by waterborne hyperbranched polyurethane/carbon quantum dot nanocomposite	Niranjan Karak, Vijay Kumar Das and Satyabrat Gogoi
22	201631022922	Smartphone based system for detection and measurement of chemical and biological species in liquids	Iftak Hussain, Syed Ibtisam Tauhidi, Kamal Uddin Ahamad Pabitra Nath

### DESIGNS APPLIED DURING 2016-2021

Sl.No.	Application No.	Name of the Design	Class	Inventor
1	328958-001	Protective Face Shield	29-02 Devices and Equipment against for fire accident prevention and for rescue, not elsewhere specified	Kishor Kumar Baruah
2	336557-001	Posthetic Hand	24-00-Medical and laboratory equipment	Nayanmoni Kakoty

## Empowering Muga weavers with GI

"Muga Silk of Assam is protected as a Geographical Indication (GI) from Assam since 2007. However, a major lacuna surrounding this GI has been the extraordinarily low number of "authorised users". In 2014, the total number of authorised users of the GI-Muga Silk of Assam was only 2. Tezpur University tried to bridge this gap by organising GI camps for the stakeholders in remote clusters during 2015-2019. This helped in increasing the number of authorised users from 2 to more than 300. These registered authorised users can now lawfully use the logo and assure purity of the product in the national and international market, which in turn can help in impacting the entire value chain positively."



## The Sentinel of this land, for its people

### Tezpur University starts project to revive heritage of gamosa

OUR CORRESPONDENT

**TEZPUR, Dec 22:** A threadbare discussion on the challenges to revive the cultural artifact *gamosa* was organized by Tezpur University at Srimanta Sankaradeva Kalakshetra, Guwahati recently. The University Grants Commission (UGC) has awarded the prestigious project STRIDE (Scheme for Trans-disciplinary Research for India's Developing Economy) Component -1 to create research capacity and human resource development on the intellectual property of gamosa and develop disruptive innovation in its supply chain.

Speaking in the consultative workshop, Dinkhananda Hazarika, Managing Director of Assam Government Marketing Corporation Ltd (AGMC), stressed the socio-cultural identity of gamosa among different communities of Assam. Professor Birinchi Kr. Medhi, retired Professor, Department of Anthropology, Gauhati University, discussed the historic evolution of gamosa and its present desecration due to its crea-



tive destruction. Intellectual Property Rights Chair Professor (Tezpur University) Pritam Deb explained the outreach activities of Tezpur University IPR Cell and the revival of GI status granted to Muga silk. Xhatradhikar Janardan Deva Goswami of Uttar Kamalabari Xatra, Majuli urged on working together and emphasized in the need of institutional collaboration required to revive the heritage of *gamosa*. The workshop was attended by about 47 weavers of Chariduar, Sonitpur district of Assam along with a gathering of learned and interested people of the State and officials concerned of the Government of Assam. These expert weavers highlighted their supply chain problems to the Vice-Chancellor of Tezpur University, Prof. Vinod Kumar Jain, who participated in the event, hoped that the effort taken by the University would help in empowering the xhipinca (weavers), to accelerate gamosa supply chain and restrict desecration of its cultural heritage. The project is expected to help about 400 households in the handloom cluster of Chariduar Revenue Circle of Sonitpur district.

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## hindustantimes

### education | EXPANDING YOUR HORIZONS

## Who owns your big ideas?

**RIGHT TO COPYRIGHT** College campuses are starting to safeguard students' and their own intellectual property with special cells that help with patents and paperwork. For researchers, dreaming big just got safer

Ramesh Vinay

As a student, you are likely to be involved in research projects and innovations. But what happens if you come up with a big idea? Who owns it? The answer is not always clear. This is where the concept of Intellectual Property Rights (IPR) comes in. It is a legal right that gives the creator of an invention the exclusive right to use and sell the invention for a certain period of time. This is important for students who are involved in research and innovation, as it allows them to protect their work and ensure that they are properly credited for their contributions.



**PELAGIC FISH CAPS**

The type of IPR to choose depends on the type of product. For instance, if it is a new product or a new process, a patent would be the best option. However, if it is a new design or a new look, a trademark would be more appropriate. It is important to consult with a legal expert to determine the best IPR strategy for your invention.

**TIME AND MONEY**

It is a long and expensive process to obtain a patent. It can take several years and cost thousands of dollars. Therefore, it is important to carefully evaluate the potential of your invention before investing in a patent application. There are also alternative options, such as filing for a provisional patent, which can provide a temporary period of protection while you continue to develop your invention.

IPR cells help students display their work and attract potential buyers of technology, ideas or products, and help in the commercialisation of a product. We also share royalties on inventions produced by students.

Regional and National dailies capturing activities taken up by TUIPR cell.

### "IPR Jagoran" Editorial Team

Prof. P. Deb, Dr. Juri Borbora Saikia & Dr. Koushik Saikia

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