

Annual Report

2018-19



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 701 (4 credits) in both Autumn (2018) and Spring (2019) semesters. Designed especially for the Ph.D students, 22 students in total enrolled for the course from the Schools of Science, Humanities and Engineering. With a team of only one Research Officers, and the TUIPR Coordinator, 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. Facilitating assessment and IPR filings** has been one of the mandates of the Cell. This year the TUIPR Cell received 4 invention disclosures from 2 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. One of the patent application has been granted with the patent no. 297449 entitled "Single step process for the synthesis of polyaniline nanofiber reinforced polymer nano composites" by Ashok Kumar and Somik Banerjee this year.

2. In Campus Events

IPR Policy adopted for the University

With Tezpur University making way to various national and international rankings, it has become well known how IPRs owned by any institution add weightage to such evaluations. Therefore, it is strategically important that certain guidelines are laid down for the fraternity to follow while dealing with Intellectual Properties created within the University. Understanding this, 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.

Signing of MoA with NRDC

In a landmark initiative for commercializing the homegrown 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, that will make these available to the society, beyond the university campus.

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. The workshop was attended with 30 select 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.

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

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.

Industry-Academia conclave organized on 26th April, 2018

A national symposium was organized on 26th April, 2018 in Tezpur University, coinciding with celebration of 10th year of establishment of the TUIPR 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 today and exchange ideas, practice and experiences on different aspects of industry-academia integration. 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 apprised the gathering about the schemes that are available for supporting such industry-academia collaborations and entrepreneurship. A special session was held under the aegis of Indian Patent Office for apprising the gathering about one of the less talked about IP tool "Integrated Layout and Design" and its benefits. The symposium was attended by 145 researchers, students and faculty members of Tezpur University and nearby institutions. A local exhibition of promising innovations by University researchers was held in the symposium venue that exposed the invited guests from the industry to the different directions of research undertaken in the campus.

World IP Day Celebration in the campus

Like every year, this 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 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.

The day was also marked with participation in the Innovative Idea Competition and slogan writing competition where the innovation based on a 'mobile robot capable of sensing hazardous gas for military application' was adjudged the winner.

The Report on

Regional Workshop on
**Translational Research and Innovation-.....making
use of IPR across value chain**

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 at Tezpur University. 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.

The programme started with the deliberation from Prof. Pritam Deb, Coordinator, TUIPR Cell. In his welcome address, he shared with the gathering the idea behind organizing such a workshop for the innovators. It was stated how the 1st Industry-Academia Conclave, RITES-2018, organised to celebrate 10 years of establishment of the Cell on 26th April 2018, paved the way for this 2nd conclave in the form of this regional workshop. On the other front, he informed how the National IPR Policy of India has been load and clear about protection and commercialization of the intellectual outputs at institutional level.



Thus, to think beyond the conventional deliverables of an academic research was the message that set the tone for the commencement of the regional workshop. 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.



He expressed “to think beyond papers... is the need of the hour”. He was further supported by the Director, IQAC, Prof. D.C. Baruah, who is also the ex-coordinator of the IPR Cell. He further elaborated how commercialization of technologies shall help institutions in becoming less dependent on Govt. agencies for funding support for research. However, he requested the innovators to think rationally while making available the essential technologies to the society .

Photo: Prof. Pritam Deb, Coordinator, TUIPR Cell (Top) and Prof. A. K. Mukherjee, Dean, R&D, Tezpur University (Bottom)

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.



Photo: (Top) Chief Guest Dr. H. Purushotham, CMB NRDC, during his deliberation in the inaugural session

Photo: (Left) Guest of Honour, Shri.B.P.Sarma, RCE, OIL Duliajan during his address in the inaugural session

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 Enhanced Oil Recovery (EOR), reducing wastage of crude oil while exploration etc. This was followed by a brief introductory session with the participants.



Photo: The participants of the workshop with the resource persons

The workshop was attended by 30 select 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. 14 innovators showcased their innovations to the industry representatives and IPR professionals for comments.



Photo: (Left) Glimpses of the presentation by the innovators in the Technical Session-II. These innovations were seen and commented upon by Industry and IPR specialists for better outcome. Some of the innovations were appreciated and discussed further for collaborative work.

Photo: (Right) The participants asked questions and tried to learn from the experiences shared by the industry personnel. This paved the way for post workshop informal interaction where the innovators wanted specific inputs regarding their innovations and way-out for initiating industry collaborations.





Photo: (Top)Felicitation of the speaker by the Coordinator, TUIPR Cell and (Bottom) Presentation by Dr. H. Purushotham, CMD, NRDC.

The **TECHNICAL SESSION -I** on 'Translational Research and Success Stories' started with the presentation on **Role of NRDC: IP & Technology Commercialization a support to Industry-Academia** by **Dr. H. Purushotham, CMD, NRDC**. This presentation informed the participants about the initiative taken by NRDC to promote and commercialize home grown technologies from Academic and Technical institutions. Various schemes under which technologies are supported were also discussed. It was stated that one of the major problems faced during technology translation from academic institutions is the inappropriate **Technology Readiness Level (TRL)** while technology transfer. Thus, it has been found that the technology may not have adequately matured to be taken up by industries. Thus, we must focus on upgrading the technology from Lab Scale to appropriate TRL before focussing on Technology Transfers for successful commercialization. He also mentioned various schemes available for supporting upgradation of such technologies.

The second presentation of the **TECHNICAL SESSION-I** was on **Challenges and Opportunities in Oil Sector** by **Shri. P.K. Dhodapkar, General Manager, R&D Department, Oil India Limited, Duliajan**. He narrated some of the important bottlenecks that the Oil sector is facing in terms of its regular drilling /extraction and transportation activities. He pointed out how his department is working to find solutions for them, and some of which can be further taken up by the academic institutes for collaborative works. He mentioned about the two technologies taken from two different foreign universities for overcoming some of the technical problems during exploration.



Photo: Shri. P.K. Dhodapkar, General Manager (R&D), Oil India Limited, Duliajan.



Photo: The speaker is felicitated by Prof. P. Deb, Coordinator, TUIPR Cell, Tezpur University

He also cautioned on the high risk nature of the operations conducted by the OIL officials on daily basis and thus, expressed that field trials on any prospective technology from Academic Institutions for validation will have to be performed very selectively without endangering safety requirements. Elaborating further on support provided by OIL for homegrown technologies, he shared with the gathering, the support provided through Start-Up scheme which is initiated in collaboration with IIT Guwahati.

The third presentation of the TECHNICAL SESSION -I was on **Converting Market Challenges to Opportunities in pharmaceuticals** by Shri. Sunil Kulshrestha, Director, M/s Medlis Healthcare Pvt Ltd., Ahmedabad. Initiating the deliberation with the scenario of technology requirement in the Health Sector of India, he revealed the amount of investment that is required to make a lab scale technology ready for market consumption. He also stated that about 40% of the generic drugs sold to foreign countries are developed in India.

Further, he also discussed about the amount of investment that is required to get validation reports after performing clinical trials. The different types of clinical trials that have to be performed before any drug can be released for human consumption made the picture very clear for the pricing system for lifesaving drugs. At this point, he asserted the importance of IPR for getting the adequate return on such investments made. Discussing about the drug delivery system, he also demonstrated some new equipments in the pharma sector which shall help in managing the hospital wastes more effectively.



Photo: Shri. Sunil Kulshrestha, Director, M/s Medlis Healthcare Pvt Ltd., Ahmedabad presenting in the Technical Session - I

He also mentioned about the technologies like biocompatible tubing for injecting drugs which can be very promising as research problem, having scope for translation. This session witnessed some very interesting questions from the participants of the Department of Molecular Biology and Biotechnology, who had one or more technologies in this direction. He advised them on how to approach industries for conducting trials for validating results.



Photo: (Left) Felicitation of the IP attorney from M/S L.S.Davar and Co., Shri D. Ray from Kolkata. (Top) Shri. Ray during his deliberation in the Technical Session-II

The technical session -II mostly looked into the IPR protection regime in India and the challenges that the inventions from academic institutions generally face while protecting the same in the Patent Office. While discussing various types of patent specifications in his presentation “**DRAFTING AND PROSECUTION A BRIEF OVERVIEW OF KEY POINTS**”, Mr. Ray from M/S L. S. Davar and Co. explained how a single smartphone is protected by more than one type of IP Rights like Patents, Copyrights, Industrial Designs and Trademarks. Discussing the IP Filing trends in India, he stated how Trademark remained the most popular IP Rights registered and exercised. Discussing about the Divisional Application and the Patent of Addition, he further hinted on the various provisions available for splitting an invention into two or improving and already applied patent application. The following presentation was by Dr. S.K. Mitra on “IP SYSTEM FOR DEVELOPMENT OF SCIENTIFIC COMMUNITIES” where he deliberated on Intellectual Property Rights in general and inventions in particular. Focusing on dichotomy of inventions that are patentable from those which are merely novel, he discussed the Role of Patent System in India and certain other important conventions like PCT and TRIPs.



Photo: (Left) Deliberation by Dr. S. K. Mitra, Ex-Deputy Controller of Indian Patent Office, Kolkata and and Director, Centre for Intellectual Property Rights (CIPR), Adamas University, Kolkata during the technical session -II



Photo: Presentation by Dr. Jatin Kalita, Principal Scientist, NEIST Jorhat and felicitation of the speaker by the Coordinator, IPR Cell Prof. P. Deb

The Technical Session -III on **TECHNOLOGICAL NEEDS OF THE INDUSTRIES OF THE REGION** started with the Presentation on **Dissemination of CSIR-NEIST Technologies** by Dr. Jatin Kalita, Principal Scientist, NEIST Jorhat. In his deliberation, Dr. Kalita highlighted about the Major Research Activities taking place in NEIST with special emphasis on the current areas of technology development like Bio-fertilizers, Pest Control, Bioremediation, Membrane Technologies, Active Pharmaceutical Intermediates, Healthcare/Herbal Formulations, Medicinal Aromatic & Economic Plants etc. Discussing on Top Down and Bottom Up approach for technology commercialization, he shared some of his experiences on the successfully commercialized technologies from their institute. Emphasising on the importance of visibility among the stakeholders, he discussed various approaches adopted for creating awareness about the technologies available like advertisement in newspaper, advertisement in other publicity material: annual report, newsletter, souvenir reports etc. and participation in exhibition at urban/ semi-urban/ rural level etc. This was followed by the deliberation on **Technological Interventions in Food Industry** by Shri. Ajit Sharma Baruah, Director, Bhogali Food Products Pvt. Ltd., Guwahati. In his presentation, he narrated how the journey of the present brand “Bhojali Jalpan ” began in a modest way 1994. Reiterating the vision of the enterprise i.e. To innovatively recharge our cultural foods as a “package of



Photo: (Top Left) Shri. Ajit Sharma Baruah, Director, Bhogali Food Products Pvt. Ltd., Guwahati presenting in the technical session-III and (Top Right) by Sri. Bipul Gogoi, Manager, Boroi Tea in the concluding session.



Photo: The participants of the workshop with the resource persons

“package of complete Food solution”: a dedication to our customers, our culture and our country, he impressed upon the importance of standardizing the traditional sweet/snack items together with proper packaging to serve the national and international consumers authentic yet satisfactory products. Sharing various initiatives taken by his organisation to popularise the traditional food items, he stressed that constant innovation in terms of taste and presentation is the key to establish the traditional items among the young folks. Providing some potential areas of association Mr. Sarma Baruah further stated that the potential areas of probable association with University could be: 1. *Product/recipe standardization based upon ‘nutrition value’ and ‘taste’ of new generation customers*, 2. *Automation/mechanization of production system to enhance productivity and food safety etc.* The concluding presentation was on **Technological Interventions in Tea Industry** by Sri. Bipul Gogoi, Manager, Boroi Tea Estate where he deliberated on the whole process of tea production in detail. Discussing the scope for technical intervention for better production like mechanical plucking etc., he encouraged the innovators to think about the steps where losses can be reduced due to erratic handling of the leaves and the produced curls. Talking on the Minimum Residual Limits (MRLs) of the pesticides sprayed on

the saplings, he shared with the inventors how the organic movement is happening across the gardens and how it is catalysed by the demand in the international market. The daylong programme ended with concluding remarks from the Coordinator, TUIPR Cell, Prof. P. Deb and a brief vote of thanks from the Research Officer, IPR Cell Dr. Juri B. Saikia



Photo: (Right) Dr. Juri B. Saikia, Research Officer TUIPR Cell, delivering the summary and vote of thanks to the participants

Detailed Programme

Date: 30.12.2018 (Sunday)		Venue: Guest House	
TIME	PROGRAMME		
9.00 AM – 9.15 AM	Registration		
9.15 AM – 9.45 AM	INAUGURATION		
	Welcome Address and Introduction of the theme by Prof. Pritam Deb, Coordinator, TUIPR Cell, Tezpur University		
	Inaugural Address by Shri B.P. Sarma, Resident Chief Executive, Oil India Limited, Duliajan		
	Address by the Chief Guest, Dr. H. Purushotham, CMD, NRDC		
9.45 AM – 10.00 AM	High Tea		
10.00 AM – 12.00 Noon	TECHNICAL SESSION -I <i>Translational Research and Success Stories</i>		
	Session A: Presentation on Role of NRDC: IP & Technology Commercialization a support to Industry-Academia by Dr. H. Purushotham, CMD, NRDC		
	Session B: Presentation on Challenges and Opportunities in Oil Sector of the region by Shri B.P. Sarma, Resident Chief Executive and Shri. P.K. Dhodapkar, General Manager (R&D), R&D Department, Oil India Limited, Duliajan		
	Session C: Presentation on Converting Market Challenges to Opportunities in pharmaceuticals by Shri. Sunil Kulshrestha, Director, M/s Medlis Healthcare Pvt Ltd. , Ahmedabad		
12 Noon- 12.10 PM	Tea Break		
12.10 PM – 2.00 PM	TECHNICAL SESSION-II <i>Learning the nuances of protecting the technology and translating research to technologies in need</i>		
	Session A: Presentation by Shri Diptarka Ray, IP Attorney, LS Davar and Co. on Drafting of Patent and its Prosecution in India		
	Session B: Presentation on Overview of IP and Patent System in India by Dr. S. K. Mitra, Ex-Deputy Controller of Indian Patent Office, Kolkata and Director, Centre for Intellectual Property Rights (CIPR), Adamas University, Kolkata		
	Session C: Presentation by young innovators		
2.00 PM – 2.45 PM	LUNCH		
2.45 PM – 5.00 PM	TECHNICAL SESSION -III <i>Technological needs of the industries of the region</i>		
	Session A: Presentation on Dissemination of CSIR-NEIST Technologies by Dr. Jatin Kalita, Principal Scientist, NEIST Jorhat.		
	Session B: Presentation on Technological Interventions in Food Industry by Shri. Ajit Sharma Baruah, Director, Bhogali Food Products Pvt. Ltd., Guwahati		
	Session C: Presentation on Technological Interventions in Tea Industry by Sri. Bipul Gogoi, Manager, Boro Tea Estate.		
5.00 – 5.30 PM	Concluding Ceremony		

List of Participants for
WORKSHOP ON TRANSLATIONAL RESEACH AND INNOVATION
MAKING USE OF IPR A CROSS VALUE CHAIN
30th December, 2018

SL. NO	NAME OF THE PARTICIPANTS	DEPT/CELL/INSTITUTES
1	BHABANA DAS	MBBT, TEZPUR UNIVERSITY
2	RIJUANA AKHTAR FARUQUE	MBBT, TEZPUR UNIVERSITY
3	DIPEN DEKA	ELECTRONICS AND COMMUNICATION ENGINEERING, CIT, KOKRAJHAR
5	ABHISHEK CHANDA	MBBT, TEZPUR UNIVERSITY
6	APARUP PATRA	MBBT, TEZPUR UNIVERSITY
7	SWAGATA DAS	MBBT, TEZPUR UNIVERSITY
8	TAUFIKUL ISLAM	MBBT, TEZPUR UNIVERSITY
9	BHARGAB KALITA	MBBT, TEZPUR UNIVERSITY
10	SUMITA DUTTA	MBBT, TEZPUR UNIVERSITY
11	NITISHA BORO	MBBT, TEZPUR UNIVERSITY
12	DEBASISH GOGOI	MECHANICAL ENGINEERING, TEZPUR UNIVERSITY
13	SANDEEP KUMAR VISHWAS	MECHANICAL ENGINEERING, TEZPUR UNIVERSITY
14	NAYANITA KALITA	MECHANICAL ENGINEERING, TEZPUR UNIVERSITY
15	RAKTIM RANJAN HAZARIKA	MECHANICAL ENGINEERING, TEZPUR UNIVERSITY
16	KORABI KONWAR	PHYSICS, TEZPUR UNIVERSITY
17	PRASTUTI SHIVAM	ELECTRONICS AND COMMUNICATION ENGINEERING, TU
18	MUNTI KUMAR NATH	MECHANICAL ENGINEERING, TEZPUR UNIVERSITY
19	MAYURI BORA	PHYSICS, TEZPUR UNIVERSITY
20	MEENAKSHI TALUKDAR	PHYSICS, TEZPUR UNIVERSITY
21	SURAJ SINGH	ELECTRONICS AND COMMUNICATION ENGINEERING, TU
22	SIDDHARTHA BHUYAN	COMPUTER SCIENCE AND ENGINEERING, TEZPUR UNIVERSITY
23	SUHAS.D	ELECTRONICS AND COMMUNICATION ENGINEERING, TU
24	MRINAL KALITA	ELECTRONICS AND COMMUNICATION ENGINEERING, TU
25	KASTURI SARMAH	COMPUTER SCIENCE AND ENGINEERING, TEZPUR UNIVERSITY
26	SHUBHAM ROHILLA	FOOD ENGINEERING AND TECHNOLOGY, TEZPUR UNIVERSITY
27	SAURANGA DAS	MECHANICAL ENGINEERING, TEZPUR UNIVERSITY
28	GITANGALI GAUTAM	FOOD ENGINEERING AND TECHNOLOGY, TEZPUR UNIVERSITY
29	SWAGATA DAS	MBBT, TEZPUR UNIVERSITY
30	HIMAKSHI BAISHYA	FOOD ENGINEERING AND TECHNOLOGY, TEZPUR UNIVERSITY

The Speakers



Dr. H. Purushotham, CMD,
NRDC,
Ministry of Science and
Technology, GOI



Shri B.P. Sarma, Resident Chief
Executive, Oil India Limited,
Duliajan



Shri. P.K. Dhodapkar,
General Manager (R&D),
R&D Department, Oil India
Limited, Duliajan



Shri. Sunil Kulshrestha, Director,
M/s Medlis Healthcare Pvt Ltd. ,
Ahmedabad



Shri Diptarka Ray, IP Attorney, LS
Davar and Co.



Dr. S. K. Mitra, Ex-Deputy
Controller of Indian Patent
Office, Kolkata and Director,
Centre for Intellectual
Property Rights (CIPR),
Adamas University, Kolkata



Dr. Jatin Kalita, Principal
Scientist, NEIST Jorhat



Shri. Ajit Sharma Baruah, Director,
Bhogali Food Products Pvt. Ltd.,
Guwahati



Sri. Bipul Gogoi, Manager,
Boroi Tea Estate.,

About Tezpur University:

Tezpur University was established by an Act of Parliament in 1994 and is outcome of the historic Assam Accord signed by the Government of India, Government of Assam and the All Assam Students' Union in 1985. The University is nestled in a 262-acre campus at Tezpur in middle Assam with 3800 students, 290 faculty and 300 non-teaching staff. The university is currently offering 72 programmes through 22 departments and 12 centres under four schools of studies. It has been securing recognition from various government and non-governmental organisation at national as well as international levels including the “Best University” award by the Visitor (President of India) in 2016, 5th Position in the National Institutional Ranking Framework of Ministry of Human resource Development, Government of India, 2016, 100th rank in the Times Higher Education Asia University Rankings 2018, and 146th amongst the BRICS nations as stated in the QS (Quacquarelli Symonds) BRICS University Rankings 2019. In pursuit of the holistic development of the students, the University has created state-of-the art facilities -academic as well as co-curricular– on its campus. Apart from the in camps activities, the Students are encouraged to make meaningful contributions to the development of the society at large.



About TUIPR Cell:

The Tezpur University Intellectual Property Rights Cell (TUIPR Cell) came into existence in Tezpur University in 2009. In the year 2010, the University was awarded the prestigious MHRD IPR Chair that started functioning under the umbrella of the TUIPR Cell. Besides assisting the TU fraternity for IPR related matters, the Cell has been conducting various workshops, training and outreach programmes on regular basis.

The aim behind all the conducted programmes is to introduce intellectual property (IP) consciousness to a wide spectrum of audience representing different strata of the society. IPR has been introduced in the University curriculum to develop a sense of respect among students for the intellectual property and equip them with knowledge of various IPR tools. In order to make research activities rewarding and self-sustaining, the TUIPR Cell has been taking a number of initiatives to promote protection of IPs resulting from the research activities undertaken in the University. The Cell has come in collaboration and agreement with government agencies for receiving support for filing of patent applications and also is in agreement with a reputed IP attorney firm to handle certain critical issues related to the filing procedure. Another MoU is signed with a government agency for commercialization of the protected technologies. Besides this, assistance from various government agencies have been availed from time to time for getting financial support associated with procedural requirements for protecting various IPs emanating from academic research. Currently, the Cell is focusing on creating a conducive environment for the industries to feel confident while seeking solutions to their problems with the innovators of the University, thereby paving way for successful technology transfer and commercialization.



Celebrating Silver Jubilee of Tezpur University

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Decadal Existence of the IPR Cell



WORKSHOP REPORT ON
INTELLECTUAL PROPERTY RIGHTS IN FUNDAMENTAL YEARS OF
LEARNING



On

1st October, 2018

Organized by

Tezpur University Intellectual Property Rights Cell

Tezpur University

In collaboration with

The Cell for IPR Promotion and Management (CIPAM)

A professional body under the aegis of **Department of Industrial Policy and Promotion (DIPP)**

Government of India



Top Left: The participants. Top Right: Prof. V. K. Jain, Vice-Chancellor, Tezpur University addressing the students during his inaugural address. Top: The Participants with the resource person and the organisers.

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 same.

The gathering was welcomed by Prof. P. Deb, the 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".



(Top: School students as participants of the Workshop. Bottom Left: Coordinator IPR Cell, Prof. P. Deb, welcoming and introducing the theme to the gathered school children.

While introducing the theme to the school student, 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. Later, he also hinted on how use of IPR tools can be helpful in protection of such technologies.

Besides this, he also mentioned about the functions and contributions of the Cell towards creation of an IP conscious ecosystem in the region. Talking about various outreach activities, he made a special mention of the initiatives taken by the Cell at grassroots level. This included the technical support extended to the innovators in and around University for patent filing and various GI camps organised for “registered users” of GI - *Muga Silk of Assam* in remote regions of the state. Placing the strengths of the University in terms of IPR in the national arena, he apprised the gathering about the IPR courses offered at undergraduate, postgraduate and Ph.D levels. 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 creative and appreciate originality. Setting the tone of the workshop by



discussing very minute concepts like invention and discovery, Prof. Deb gave an account of the various important milestones in Science that has affected the life that we lead in this earth. 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. Also, discussed the issue of plagiarism in preparation of M.Sc/M.Tech and Ph.D thesis, which according to him, are against the ethics of IPR.

Narrating his experience with administrators of institutes of higher education, he expressed that only 10% of the institutes in India have IPR policy. Also, taking pride in the fact that Tezpur University has its own IPR policy, he further expressed that it should have separate provisions for students and faculties/employees. Highlighting the need to have stringent IPR laws in the country, he further discussed the past scenario when the absence of IPR laws in our country caused foreign entities claim ownership over Basmati rice and Turmeric. Discussing how even a simple reflective device like 'cat's eye' used for marking on road or raised pavements for better visibility at night, can lead to big implications and economic spinoffs. In his concluding remarks, he mentioned that for tapping the huge reservoir of talent in our country, it is important to have IPR rights for all. Lastly, he expressed his gratitude to the school authorities and the participating children for participating in the workshop.



Ms. Divya Srinivasan, the Resource person from CIPAM, made an interesting start with a cartoon video of IP Nani- the mascot. The video highlighted how IPR is part of our everyday life. It talked about trade mark in T-shirts, trade secret in packed food, copyright in music, industrial design registrations on phones and patents on technologies that enable functioning of these mobile phones. It also talked on another IP right i.e. GI. Making the deliberation highly interactive, she provided live examples to the gathering by

giving example of the pictures clicked in this programme, by photographers, are a property of university, since university deputed them to click the same. She also informed the students about the common practice of downloading movies, is a punishable act, and can lead to jail for 3 years along with penalty. She advised them to use paid platforms like Netflix, Amazon Prime etc instead, which can provide legalised mode of enjoying and downloading copyrighted works. Talking about Patent, she informed that these are granted for twenty years since it is believed that technology changes after that period and may not remain economically rewarding. She discussed how a single mobile phone can have thousands of patents within it.



Top Left and Top: Ms. Divya Srinivasan deliberating to the gathering in the technical session

Talking about Copyrights, another important IP Right, she gave very interesting instances of a copyright infringement in music industry. The participants became awestruck to know how Jennifer Lopez was once charged for infringing copyrights by copying music of Indian composer Bappi Lahiri. She also discussed how Amitabh Bachchan's voice was copied by a tobacco company for promotion of its products. Besides this, she also gave example of small children and student innovators who hold patents and copyrights for their unique innovations like Hridayeshwar Singh Bhati (made a chess where 6 people can play), Edmund Thomas Clint, Rujhaan Chaudhary, Samuel Thomas Houghton, Aelita Andre, Dorothy straight etc.

The discussion on trademark continued in the form of an innovative quiz on trademarks and tradenames. GI was also discussed in connection with local unique products like Karbianglong Ginger and Muga Silk of Assam. The concluding part of the deliberation contained excerpts from popular cartoon characters like Motu Patlu which talked about infringement and counterfeit products. IPR Awareness clippings from Bollywood stars like Amitabh Bachchan, Alia Bhatt etc were also shown which are generally used for creating general awareness in public broadcasting medium. But, largely it was felt that whole effort will get better impetus if the IPR is introduced as part of the curriculum in schools. NCERT has already introduced the same in the curriculum by having special portions dedicated to Class 12 commerce syllabus.

The concluding remarks were provided by Dr. Juri B. Saikia, Research Officer, TUIPR Cell. For ensuring better understanding of the concepts discussed, she provided a summary of the entire deliberation in Assamese. A brief vote of thanks was delivered after which the participants were distributed packet lunch.

Right: Dr. Juri B. Saikia, Research Officer TUIPR Cell, delivering the summary and vote of thanks to the participants



Detailed Programme

Date: 01.10.2018 (Monday)		Venue: Council Hall
TIME	PROGRAMME	
10.30 AM —11.00 AM	REGISTRATION	
11.00 AM—11.30 AM	INAUGURATION	
	Welcome Address by Prof. Pritam Deb, Coordinator, TUIPR Cell, Tezpur University	
	Inaugural Address by Prof. V. K. Jain, Vice-Chancellor, Tezpur University	
11.30 AM-12 Noon	TECHNICAL SESSION ON INNOVATION AND IPR Resource Person: Prof. Pritam Deb, Coordinator, TUIPR Cell, Tezpur University	
12 Noon-1.15 PM	TECHNICAL SESSION ON IPR AWARENESS FOR SCHOOL CHILDREN Resource Person: Ms. Divya Srinivasan, Assistant Manager in CIPAM, a professional body under the aegis of Department of Industrial Policy and Promotion (DIPP), Govt. of India	
1.15 PM- 1.25.PM	Summery and Vote of Thanks by Dr. Juri B. Saikia, Research Officer, Tezpur University Intellectual Property Rights Cell	
1.30 PM	Lunch	

List of Participants

WORKSHOP ON IPR FOR SCHOOL CHILDREN AT TEZPUR UNIVERSITY			
Date: 01/10/2018			
Sl. No.	Class	Name	School
1	11	AKSHETA SHARMA	TEZPUR GURUKUL SCHOOL
2	11	AMBIKA TULA	TEZPUR GURUKUL SCHOOL
3	11	ANGRUJ BARUAH	TEZPUR GURUKUL SCHOOL
4	11	BHARGAV KATTEL	TEZPUR GURUKUL SCHOOL
5	11	BHASKAR BARUAH	TEZPUR GURUKUL SCHOOL
6	11	CHINMOY PATAR	TEZPUR GURUKUL SCHOOL
7	11	EMON KALYAN BORAH	TEZPUR GURUKUL SCHOOL
8	11	KAUSHIK NANDA UPADHAYA	TEZPUR GURUKUL SCHOOL
9	11	KUNDAN BHATTACHARJEE	TEZPUR GURUKUL SCHOOL
10	11	LALIT CHETRI	TEZPUR GURUKUL SCHOOL
11	11	MADHUMOULI MAJI	TEZPUR GURUKUL SCHOOL
12	11	MANJIT BORAH	TEZPUR GURUKUL SCHOOL
13	11	MD. ARIFUR RAHMAN	TEZPUR GURUKUL SCHOOL
14	11	MURCHANA MADHUKALYA	TEZPUR GURUKUL SCHOOL
15	11	MUSKAN SEIKH	TEZPUR GURUKUL SCHOOL
16	11	PRAGATI KURMI	TEZPUR GURUKUL SCHOOL
17	11	PRANJIT SHOUNAK	TEZPUR GURUKUL SCHOOL
18	11	PRITAM PANDIT	TEZPUR GURUKUL SCHOOL
19	11	PUNIT NIRALA	TEZPUR GURUKUL SCHOOL
20	11	ROKIB UDDIN AHMED	TEZPUR GURUKUL SCHOOL
21	11	SANTANABA KRISHNA HAZARIKA	TEZPUR GURUKUL SCHOOL
22	11	SEKHAR BHARADWAJ	TEZPUR GURUKUL SCHOOL
23	11	SHIVANGI DAS	TEZPUR GURUKUL SCHOOL
24	12	AMRITPRAN SARMAH	TEZPUR GURUKUL SCHOOL
25	12	AYUSH HAZARIKA	TEZPUR GURUKUL SCHOOL
26	12	BIKASH MAHATO	TEZPUR GURUKUL SCHOOL
27	12	BISAKHA SAIKIA	TEZPUR GURUKUL SCHOOL
28	12	BISHAL BASFORE	TEZPUR GURUKUL SCHOOL
29	12	BISHAL PATGIRI	TEZPUR GURUKUL SCHOOL
30	12	DEBASISH BORUAH	TEZPUR GURUKUL SCHOOL
31	12	DEEPJYOTI SARMAH	TEZPUR GURUKUL SCHOOL
32	12	DIKSHITA KALITA	TEZPUR GURUKUL SCHOOL
33	12	JYOTISHMITA KURMI	TEZPUR GURUKUL SCHOOL
34	12	JYOTISMITA DEKA	TEZPUR GURUKUL SCHOOL
35	12	KRISHAN LIBASOW	TEZPUR GURUKUL SCHOOL
36	12	MRUNMOYEE GOGOI	TEZPUR GURUKUL SCHOOL
37	12	NIHARIKA BARUAH	TEZPUR GURUKUL SCHOOL
38	12	PRAYASH BHUYAN	TEZPUR GURUKUL SCHOOL
39	12	PRERONA SAIKIA	TEZPUR GURUKUL SCHOOL

40	12	PRIYANGSHU KASHYAP	TEZPUR GURUKUL SCHOOL
41	12	SAGAR ACHARJEE	TEZPUR GURUKUL SCHOOL
42	12	SANGEETA GHOSH	TEZPUR GURUKUL SCHOOL
43	12	SAYONI PAYRA	TEZPUR GURUKUL SCHOOL
44	12	SHUBHAM SHARMA	TEZPUR GURUKUL SCHOOL
45	12	SIMANTA DEKA	TEZPUR GURUKUL SCHOOL
46	12	SNEHASHREE DEY	TEZPUR GURUKUL SCHOOL
47	12	SOUMITA CHAKRABORTY	TEZPUR GURUKUL SCHOOL
48	12	TINKU REGON	TEZPUR GURUKUL SCHOOL
49	12	UPASHANA TALUKDAR	TEZPUR GURUKUL SCHOOL
50	12	VISHAL SAGAR GHIMIRE	TEZPUR GURUKUL SCHOOL
51	TEACHERS	TRISHNA MEDHI	TEZPUR GURUKUL SCHOOL
52	TEACHERS	SOBHAN CHOWDHURY	TEZPUR GURUKUL SCHOOL
53	9	YASINOOR RAHMAN	KABILABAAD HIGH SCHOOL
54	9	OMAR FARRUQUE	KABILABAAD HIGH SCHOOL
55	9	SWEETY RANI SARKAR	KABILABAAD HIGH SCHOOL
56	9	LAKHI DAS	KABILABAAD HIGH SCHOOL
57	9	HASIBUR RAHMAN	KABILABAAD HIGH SCHOOL
58	8	HASNE ROUSAN ALAN	KABILABAAD HIGH SCHOOL
59	8	PRANJIT SHOK	KABILABAAD HIGH SCHOOL
60	8	NOOR ALAM	KABILABAAD HIGH SCHOOL
61	8	FARIQUDDIN AHMED	KABILABAAD HIGH SCHOOL
62	8	MORSHED ALI	KABILABAAD HIGH SCHOOL
63	8	BURHAA UDDIN	KABILABAAD HIGH SCHOOL
64	9	JEHIRUL ISLAM	KABILABAAD HIGH SCHOOL
65	9	AZIBUR RAHMAN	KABILABAAD HIGH SCHOOL
66	9	ANOWER ANCHUL	KABILABAAD HIGH SCHOOL
67	9	FARIDUL HAQUE	KABILABAAD HIGH SCHOOL
68	9	MOUSHAMI AKHTER	KABILABAAD HIGH SCHOOL
69	9	SANIA FERDUS	KABILABAAD HIGH SCHOOL
70	9	BANDANA DEVI	KABILABAAD HIGH SCHOOL
71	9	SUPRIYA NATH	KABILABAAD HIGH SCHOOL
72	9	AFSANA KHATUN	KABILABAAD HIGH SCHOOL
73	8	HIRA DEVI	KABILABAAD HIGH SCHOOL
74	8	SADIA SULTANA	KABILABAAD HIGH SCHOOL
75	8	SAMIMI AKHTER	KABILABAAD HIGH SCHOOL
76	8	AFSANA BEGUM	KABILABAAD HIGH SCHOOL
77	8	WAHIDE BEGUM	KABILABAAD HIGH SCHOOL
78	TEACHER	BABUL AZIZ	KABILABAAD HIGH SCHOOL
79	TEACHER	AMALENDU ROY	F.A.AHMED HIGH SCHOOL
80	TEACHER	ABU SALIM	F.A.AHMED HIGH SCHOOL
81	TEACHER	NONEE NEOG	F.A.AHMED HIGH SCHOOL
82	10	NAZIFA AKHTARA AHMED	F.A.AHMED HIGH SCHOOL
83	10	BARBI BORAH	F.A.AHMED HIGH SCHOOL
84	10	TEK BE. CHETRY	F.A.AHMED HIGH SCHOOL
85	10	BIKI SUTRADHAR	F.A.AHMED HIGH SCHOOL
86	10	SIUMAIYA NASRIN	F.A.AHMED HIGH SCHOOL

87	10	MUKSHIDUL HAQUE	F.A.AHMED HIGH SCHOOL
88	10	MOHIMA SAIKIA	F.A.AHMED HIGH SCHOOL
89	10	NEKIBUR RAHMAN	F.A.AHMED HIGH SCHOOL
90	10	JINTU SUTRADHAR	F.A.AHMED HIGH SCHOOL
91	10	SADDAM HUSSAIN	F.A.AHMED HIGH SCHOOL
92	10	BASHKAR BOORUH	F.A.AHMED HIGH SCHOOL
93	10	QZAJUL HAQUE	F.A.AHMED HIGH SCHOOL
94	10	AMIR HIUSSAIN	F.A.AHMED HIGH SCHOOL
95	10	RAJ .KR. GUWALA	F.A.AHMED HIGH SCHOOL
96	10	REHENA BEGUM	F.A.AHMED HIGH SCHOOL
97	10	MUSARAF ALAM	F.A.AHMED HIGH SCHOOL
98	10	SARIFUL ISLAM	F.A.AHMED HIGH SCHOOL
99	10	MARAMI BEGUM	F.A.AHMED HIGH SCHOOL
100	10	PAULINA BHENGRA	F.A.AHMED HIGH SCHOOL
101	10	SADIQUL ISLAM	F.A.AHMED HIGH SCHOOL
102	10	MANJUWARA BEGUM	F.A.AHMED HIGH SCHOOL
103	10	SAGAR CHETRY	F.A.AHMED HIGH SCHOOL
104	10	AYESHA KHATUN	F.A.AHMED HIGH SCHOOL
105	10	ABHAY NATH	F.A.AHMED HIGH SCHOOL
106	10	NAZRIN FARHANA	F.A.AHMED HIGH SCHOOL
107	10	ANDRIUS SANGA	F.A.AHMED HIGH SCHOOL
108	10	SULTANA KHATUN	F.A.AHMED HIGH SCHOOL
109	10	SUSIL TANTI	F.A.AHMED HIGH SCHOOL
110	10	BIJOY TANTI	F.A.AHMED HIGH SCHOOL
111	10	KAYUM HUSSAIN	F.A.AHMED HIGH SCHOOL
112	10	NASIMA KHATUN	F.A.AHMED HIGH SCHOOL
113	10	TILAK CHETREY	F.A.AHMED HIGH SCHOOL
114	10	MIKA LAGUN	F.A.AHMED HIGH SCHOOL
115	10	SANJIB TAPNA	F.A.AHMED HIGH SCHOOL
116	10	MEHERUN NESHA	F.A.AHMED HIGH SCHOOL
117	10	ROHIT SINGH	F.A.AHMED HIGH SCHOOL
118	10	ROSTAM ALI	F.A.AHMED HIGH SCHOOL
119	10	RAHUL SINGH	F.A.AHMED HIGH SCHOOL
120	10	KAHLIDA BEGUM	F.A.AHMED HIGH SCHOOL
121	10	JASMINA BEGUM	F.A.AHMED HIGH SCHOOL
122	10	BIKASH KARMAKAR	F.A.AHMED HIGH SCHOOL
123	10	DILDAR HUSSAIN	F.A.AHMED HIGH SCHOOL
124	10	NOOR MAHAMAAD	F.A.AHMED HIGH SCHOOL
125	10	BABLI DEVI	F.A.AHMED HIGH SCHOOL
126	10	MAKSHIDUL ISLAM	F.A.AHMED HIGH SCHOOL
127	10	KULSUMA BEGUM	F.A.AHMED HIGH SCHOOL
128	10	SWASHADHUR DAS	F.A.AHMED HIGH SCHOOL
129	10	BANITA DEVI	F.A.AHMED HIGH SCHOOL
130	10	ASBUL HAQUE	F.A.AHMED HIGH SCHOOL
131	10	TAMANNA PARBIMN	F.A.AHMED HIGH SCHOOL
132	10	RAJNOOR ALI	F.A.AHMED HIGH SCHOOL
133	10	IZAZ AKANDA	F.A.AHMED HIGH SCHOOL
134	10	MOZIBUR RAHMAN	F.A.AHMED HIGH SCHOOL
135	10	MINU CHETRY	F.A.AHMED HIGH SCHOOL

136	10	INAMUL HUSSAIN	F.A.AHMED HIGH SCHOOL
137	10	MINA KUMARI TANITI	F.A.AHMED HIGH SCHOOL
138	10	SAMINA YASMIN	F.A.AHMED HIGH SCHOOL
139	10	ASHRAFUL ALAM	F.A.AHMED HIGH SCHOOL
140	10	MOFIDA KHATUN	F.A.AHMED HIGH SCHOOL
141	10	MUJAMIL HAQUE	F.A.AHMED HIGH SCHOOL
142	10	MUSKAN KHATUN	F.A.AHMED HIGH SCHOOL
143	10	MOUSUMI BEGUM	F.A.AHMED HIGH SCHOOL
144	10	SEMIA BEGUM	F.A.AHMED HIGH SCHOOL
145	10	MAZIDA KHATUN	F.A.AHMED HIGH SCHOOL
146	10	MUSKAN NAHAR	F.A.AHMED HIGH SCHOOL
147	9	FJAILA BEGUM	F.A.AHMED HIGH SCHOOL
148	9	RUMELA KHATUN	F.A.AHMED HIGH SCHOOL
149	9	SUSMITA BHADUR	F.A.AHMED HIGH SCHOOL
150	9	ASHADUL HAQUE	F.A.AHMED HIGH SCHOOL
151	9	APSANA KHATUN	F.A.AHMED HIGH SCHOOL
152	9	ASMANH BEGUM	F.A.AHMED HIGH SCHOOL
153	9	ALIJA KHATUN	F.A.AHMED HIGH SCHOOL
154	9	SABINA KHATUN	F.A.AHMED HIGH SCHOOL
155	9	RASHMI DEVI	F.A.AHMED HIGH SCHOOL
156	9	MOUMMI YASHMIN	F.A.AHMED HIGH SCHOOL
157	9	MUSFIA BEGUM	F.A.AHMED HIGH SCHOOL
158	9	JAMILA KHATUN	F.A.AHMED HIGH SCHOOL
159	9	PRADIP RAI	F.A.AHMED HIGH SCHOOL
160	9	PUNAM DEVI	F.A.AHMED HIGH SCHOOL
161	9	BAPDHAN KR. SINGH	F.A.AHMED HIGH SCHOOL
162	9	DIPANKAR CHETRY	F.A.AHMED HIGH SCHOOL
163	9	ABUBAKKAR SIDDIQUE	F.A.AHMED HIGH SCHOOL
164	9	MUSFIA KHATUN	F.A.AHMED HIGH SCHOOL
165	9	AFSANA BEGUM	F.A.AHMED HIGH SCHOOL
166	9	BAHARUL HUSSAIN	F.A.AHMED HIGH SCHOOL
167	9	NURJAHAN BEGUM	F.A.AHMED HIGH SCHOOL
168	9	JAMILA KHATUN	F.A.AHMED HIGH SCHOOL
169	9	RAJINA BEGUM	F.A.AHMED HIGH SCHOOL
170	9	UZALA SULTANA	F.A.AHMED HIGH SCHOOL
171	9	JESHMMIA BEGUM	F.A.AHMED HIGH SCHOOL
172	9	RESHMINA BEGUM	F.A.AHMED HIGH SCHOOL
173	9	DEEP JYOTI MECH	F.A.AHMED HIGH SCHOOL
174	9	DEBAJIT BORA	F.A.AHMED HIGH SCHOOL
175	9	ROBINA YASHMIN	F.A.AHMED HIGH SCHOOL
176	9	ASHMA KHATUN	F.A.AHMED HIGH SCHOOL
177	9	JAHANARA EGUM	F.A.AHMED HIGH SCHOOL
178	9	SEIKH JUFIKAR	NAPAM MODEL HIGH SCHOOL
179	9	MAHMADUL HASAN	NAPAM MODEL HIGH SCHOOL
180	9	RISHMA KHATUN	NAPAM MODEL HIGH SCHOOL
181	9	AFRUJ BEGUM	NAPAM MODEL HIGH SCHOOL

182	10	BANDANA PANDIT	NAPAM MODEL HIGH SCHOOL
183	10	SAMIFA BEGUM	NAPAM MODEL HIGH SCHOOL
184	10	IKREMUL ISLAM	NAPAM MODEL HIGH SCHOOL
185	10	RITA DAS	NAPAM MODEL HIGH SCHOOL
186	10	JANI KUMARI	NAPAM MODEL HIGH SCHOOL
187	10	SANJIT SINGH	NAPAM MODEL HIGH SCHOOL
188	10	RAMIJUL ISLAM	NAPAM MODEL HIGH SCHOOL
189	10	NEHA DEVI	NAPAM MODEL HIGH SCHOOL
190	10	ANISHA THAPA	NAPAM MODEL HIGH SCHOOL
191	10	PUBALI DAS	NAPAM MODEL HIGH SCHOOL
192	10	RICHA BOURI	NAPAM MODEL HIGH SCHOOL
193	10	HIRA DEVI	NAPAM MODEL HIGH SCHOOL
194	TEACHER	RAAM CHETRY	NAPAM MODEL HIGH SCHOOL
195	TEACHER	BIKASH CHETRY	NAPAM MODEL HIGH SCHOOL
196	9	ABHIJIT NATH	DON BOSCO HIGH SCHOOL
197	9	AMAR TOPPO	DON BOSCO HIGH SCHOOL
198	9	ANINDITH PAUL	DON BOSCO HIGH SCHOOL
199	9	AHOHIT SAIKIA	DON BOSCO HIGH SCHOOL
200	9	ASHISH SARMAH	DON BOSCO HIGH SCHOOL
201	9	AYUSH KUMAR THAKUR	DON BOSCO HIGH SCHOOL
202	9	AYUSH SARKAR	DON BOSCO HIGH SCHOOL
203	9	BHASWAT PRATIM BORAH	DON BOSCO HIGH SCHOOL
204	9	DEBANGA BENGANI	DON BOSCO HIGH SCHOOL
205	9	DHIRAJ RABHA	DON BOSCO HIGH SCHOOL
206	9	DHRITIMAN SAWARNI	DON BOSCO HIGH SCHOOL
207	9	DIPOM SAHA	DON BOSCO HIGH SCHOOL
208	9	HIMANSHU BHUIHAR	DON BOSCO HIGH SCHOOL
209	9	IRFAN ANSARI	DON BOSCO HIGH SCHOOL
210	9	JEET SAHA	DON BOSCO HIGH SCHOOL
211	9	KUTUMBA KANGSA BANIK	DON BOSCO HIGH SCHOOL
212	9	MANASH PAUL	DON BOSCO HIGH SCHOOL
213	9	MANSUM KASHYUP	DON BOSCO HIGH SCHOOL
214	9	MAYUR GOPENDRA DAS	DON BOSCO HIGH SCHOOL
215	9	MRINMOY BARMAN	DON BOSCO HIGH SCHOOL
216	9	NEEHAR KAKATY	DON BOSCO HIGH SCHOOL
217	9	NIBIR DEKA	DON BOSCO HIGH SCHOOL
218	9	NISHANTA BARMAN	DON BOSCO HIGH SCHOOL
219	9	PRNA BIKASH BORAH	DON BOSCO HIGH SCHOOL

220	9	PRAKRITISH DAS	DON BOSCO HIGH SCHOOL
221	9	RAGHAV BOHORA	DON BOSCO HIGH SCHOOL
222	9	RAHUL KUMAR PATHAK	DON BOSCO HIGH SCHOOL
223	9	RAJDEEP BORAH	DON BOSCO HIGH SCHOOL
224	9	SAFATULLAH	DON BOSCO HIGH SCHOOL
225	9	SAGAR BARUAH	DON BOSCO HIGH SCHOOL
226	9	SIDHARTHA SAGAR HAZARIKA	DON BOSCO HIGH SCHOOL
227	9	SRINJOY CHAKRABORTY	DON BOSCO HIGH SCHOOL
228	9	SUBIMAL PAUL	DON BOSCO HIGH SCHOOL
229	9	SURAJ BORO	DON BOSCO HIGH SCHOOL
230	9	TRISHANT MODAK	DON BOSCO HIGH SCHOOL
231	9	TUSHAR SONOWAL	DON BOSCO HIGH SCHOOL
232	9	VAIBHAV BARNIL PATOWARY	DON BOSCO HIGH SCHOOL
233	9	VINAY KUMAR TALUKDAR	DON BOSCO HIGH SCHOOL
234	9	VISHAL SHARMA	DON BOSCO HIGH SCHOOL
235	9	WASBIR HAQUE	DON BOSCO HIGH SCHOOL
236	9	YUBRAJ PANDIT	DON BOSCO HIGH SCHOOL
237	9	ARUNAB SAIKIA	DON BOSCO HIGH SCHOOL
238	9	ANURAG CHOUDHURY	DON BOSCO HIGH SCHOOL
239	9	ARIF AHMED	DON BOSCO HIGH SCHOOL
240	9	AYUSH BHARDWAJ	DON BOSCO HIGH SCHOOL
241	9	AYUSHMAN DAS	DON BOSCO HIGH SCHOOL
242	9	BEDANGA GAUTAM SAIKIA	DON BOSCO HIGH SCHOOL
243	9	BIJAN BARUAH	DON BOSCO HIGH SCHOOL
244	9	DEBAJIT BHAWAL	DON BOSCO HIGH SCHOOL
245	9	HARSHITA ROY	DON BOSCO HIGH SCHOOL
246	9	MONORAM KEOT	DON BOSCO HIGH SCHOOL
247	9	MRIGASHI RAJ BORAH	DON BOSCO HIGH SCHOOL
248	9	MUSTAK AHMED	DON BOSCO HIGH SCHOOL
249	9	PRAGYAN PRATIM SHARMA	DON BOSCO HIGH SCHOOL
250	9	RANGARAJ DEKA	DON BOSCO HIGH SCHOOL
251	9	SANJIBV SUJAN PATGIRI	DON BOSCO HIGH SCHOOL
252	9	SIBRAJ DAIMARY	DON BOSCO HIGH SCHOOL
253	9	SUIDHRATJH GHOSH	DON BOSCO HIGH SCHOOL
254	9	SUMIT AHMED	DON BOSCO HIGH SCHOOL
255	TEACHER	TRIDEB KEOT	DON BOSCO HIGH SCHOOL
256	TEACHER	NILANJANA DUTTA SAIKIA	DON BOSCO HIGH SCHOOL

Divya Srinivasan

Ms. Divya Srinivasan is an IPR advocate from Delhi. She completed her BA LLB (Hons) with specialization in Energy Laws from University of Petroleum & Energy Studies, Dehradun. She developed an inkling towards IPR because of her IPR professor and has interned at various IPR law firms. After graduating in 2014, in order to further her knowledge base on IPR, she went ahead to pursue her post-graduation in law (LLM) in IPR from National Law University, Jodhpur.



After graduating in 2014, in order to further her knowledge base on IPR, she went ahead to pursue her post-graduation in law (LLM) in IPR from National Law University, Jodhpur. Subsequent to this,, she worked as a Trademark & Copyright lawyer with LexOrbis, a boutique IP law firm in Delhi, where she focussed on pre IP litigation and core Copyright & Trademark Prosecution and till date has to her name almost 20 national and international publications. Presently she is an IPR Consultant (Legal) with the Cell for Intellectual Property Rights Promotion & Management (CIPAM), a professional body under the aegis of the Department of Industrial Policy & Promotion, Ministry of Commerce & Industry, Government of India. Her work involves a lot of policy making and drafting on IPR as well as content development on IPR for school and university levels.

Pritam Deb

Prof. Pritam Deb is the Coordinator of IPR Cell, Tezpur University and also 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 five 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. 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.

A REPORT

ON

**National Symposium on Role of Innovation and Technology for
Sustainable Development (RITES) 2018: Integrating
Transformation with Sustainability**

Organized on

26th of April, 2018

in collaboration with

North Eastern Council
Nongrim Hills, Shillong – 793003, Meghalaya

by
Tezpur University Intellectual Property Rights Cell
Tezpur University
Napaam-784028, Assam

Science is the most powerful instruments of growth and development, especially in the emerging scenario and competitive economies. It is believed that universities being institutions of higher education and research, intellectual output from these places have the potential to provide innovative solutions to some of the technical voids present in the market in terms of technology/product availability. Ironically, only a small percentage of such research in academic institutes reach to the people who need them. The National Intellectual Property Policy of our country also mandates development of domestic technologies and particularly, the promotion of ventures involving commercialization of the same. Until Industry and Academia join hands to create synergies resulting in attractive marketable outputs, some of the potential research outputs may always remain limited to the publications in research journals and doctoral thesis. Identifying potential areas of research, depending on the needs/ projections of respective sectors of the industry is the call of the hour, that institutions should rise for making academic research self-sustainable. Keeping above in the backdrop, a national symposium was organized on 26th April 2018 on the occasion of World IP Day that also coincides with celebration of 10th year of establishment of the TUIPR Cell and Silver Jubilee Celebration of the University's establishment. This symposium on "Role of Innovation and Technology for Sustainable Development (RITES) 2018" was a maiden attempt from the Cell 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. The entire programme was divided into four technical sessions that contained deliberations of experts from Academia, Industry and Government Bodies.



Photo: Director, DRL, Tezpur lighting the inaugurating lamp



Photo: A pictorial memoir of of the Cell inaugurated

The day started with lighting of the auspicious lamp by the chief guest, Dr S. K Dwivedi, Director, DRL, Tezpur, Prof. M. M. Sarma, Vice-Chancellor (In-Charge), Tezpur University and the Coordinator, TUIPR Cell, Prof. P. Deb. In the welcome address by Prof. P. Deb, he apprised the gathering about importance of holding this symposium on 26th April, i.e. the World Intellectual Property Day. Reflecting on achievements during past 10 years, he briefed about some of the important contributions of the Cell towards the society. Prof. M. M. Sharma, in his inaugural address reiterated the importance of the IPR and stressed on the need of such Industry-academia collaborations. The chief guest, Dr S. K Dwivedi, Director, DRL, Tezpur also appreciated the idea behind organizing such an event and was hopeful that such a conglomerate of speakers from diverse fields of expertise shall benefit the gathered participants. A pictorial memoir of the journey of the TUIPR Cell was released during the inaugural ceremony.

The first technical session was themed on SCIENCE AND INNOVATIONS and was chaired by Prof. D. K. Bhattacharya, Dean Academics, Tezpur University.

Prof. Ajoy Ghatak, renowned physicist and Professor Meghnad Saha Distinguished Fellow, the National Academy of Science, India, gave the introductory presentation on *development of science in India: a brief historical perspective*. He initiated his speech by tracing the historical development of premier research institutes in pre-independent and post-independent India. He mentioned that the prevailing poverty and backwardness of the country was due to the protraction of science and technology and its solution remains in opting for rigorous research in science and technology. He also stressed on the fact that in order for science to flourish, there need not be particular demarcation of territory to which our inquisitive brains are tied. There needs to be seamless migration of ideas and individuals without territoriality for the benefit of research. Citing considerable examples of achievements in science and bringing into the picture cases of appalling poverty and lack of empathy among people in the society, he talked of the pathway that leads to compassion and humanity. By quoting from social leaders and achievers like Swami Vivekananda, Mahatma Gandhi and Steve Jobs, he deduced and stressed on the fact that resources need to be exploited in a manner that the needy or the most vulnerable sections of population get their share.



Clockwise: The gathered participants of the symposium (Top and Bottom Left). Prof. D.K. Bhattacharya, Dean Academics, Tezpur University chairing the first technical session (Bottom Left). Prof. Ajoy Ghatak, deliberating during the first technical session (Top Left).

The third technical session on INNOVATIONS IN INDUSTRIAL PRODUCTS started with the presentation of Dr Anant Aghase, VP, PRS- Permacel Pvt. Ltd. Mumbai on *Industrial Innovations - Latest Trends*. He expressed that innovations are application of better solutions that meet new requirements; unstated needs and unfulfilled market needs. He explained the three important steps of innovation i.e Idea- Create- Validate. His deliberation dealt with the concept of innovation; areas of innovation & their benefits, and innovative projects regarding resources & energy conservation. He also focused on problems faced due to radiation and stressed on innovations to sustain growth.



Clockwise: (Top Right) Shri. Harendra Singh, General Manager/Head INBIGS, ONGC during the third technical session, All the speakers with the session Chair Dr. Charulata Mahanta, Dean Engineering, Tezpur University, (Bottom Right) Dr P. Chattopadhyay, Scientist, DRL, Tezpur, and (Top Left) Dr Anant Aghase, VP, PRS- Permacel Pvt. Ltd. Mumbai.

The second presentation in the same technical session focused on *Environmental efforts of Oil and Natural Gas Corporation Limited for sustainable development*. It was delivered by Shri. Harendra Singh, General Manager/Head INBIGS, ONGC. He gave an overview of ONGC which is a 'Maharatna' with interests in E&P, Refining, LNG, Power, Petrochemicals and New Sources of Energy. He also mentioned the different ONGC production centers across India. Talking about the climate change and its impact in India, he apprised the gathering about the recent indicators and its resultant issues faced by the ONGC and other partners operating

in the petroleum industry. He also presented ONGC's initiatives on climate change for emission reduction & low carbon technologies; biodiversity conservation; plantation etc. He apprised the gathering about their goal to achieve NET ZERO anthropogenic CO₂ emissions in long run, to stabilize global temperature level etc. He further talked about the road map to address the challenges which includes development of long term as well as short term strategies. While mentioning the aspects covered under Water Footprint Studies; Rain Water Harvesting Projects; setting up of Desalination Plants; Central Mud Recycling Plant at Mehsana and various sewage treatment plants, the speaker apprised the participants about the various environment positive initiatives take up by his organization. He further expressed that their goal is also to conserve the life below water by sustainably using the oceans, seas and marine resources as well as life on land by managing forests; combating desertification etc.

The last presentation of this technical session included a presentation from Dr P. Chattopadhyay, Scientist and Deputy Director, DRL, Tezpur on *Regulatory requirement and validation, DRL Products: An Overview*. The deliberation started with a video of mice having Alzheimer's disease and described how they behaved differently from the normal. He also mentioned how these mouse models can be used for testing efficacy of the drugs against ailments. Discussing ancient medical knowledge of India, and how these were passed on from one generation to another, he mentioned the way the change has occurred for transfer of knowledge and validation. He described how new drug molecules needs to be validated through toxicological studies and repeated trial studies. He also discussed the fine line between the Ayurvedic (AYUSH) and Herbal (DCGI) categories of medicine. Talking about medical ethics and morals, he stated that India has the highest number of unethical trials of drugs undertaken on animals. He also talked about non-clinical information flow; drug-drug interactions(DDIs); steps of pre-clinical safety assessment (including pre-NDA) and selection of animal species such as use of large non-rodent species and use of a rodent species for conducting efficacy tests. Lastly, he briefed the gathering about various technologies developed in DRL that were commercialized to various companies for civilian use.



Photo: Shri. B.S. Hosamani, Assistant Director, MSMEDI, Tezpur Branch during his deliberation in the last technical session on Initiatives of MSMEDI



Photo: Shri Amit Ranjan, Senior Manager - Business Development, NRDC, deliberating on Initiatives of Commercialization of NRDC

The last technical session was focused on getting insights into the GOVERNMENT SUPPORT AND COMMERCIALIZATION INITIATIVES. The first deliberation in this session started with the presentation of Shri. B.S. Hosamani, Assistant Director, Micro, Small & Medium Enterprises Development Institute, Tezpur Branch, Ministry of MSME, Govt. of India. He gave a brief introduction on MSMEDI, testing facilities and training programmes available under the Ministry of MSME, Govt. of India. Besides this, he also explained in detail about the various schemes and programmes available for the entrepreneurs. He also discussed on the formal requirements of starting a microenterprise.

The final deliberation was made by Shri Amit Ranjan on *Initiatives of Commercialization by NRDC*. Starting with a brief introduction about the National Research Development Corporation, the speaker deliberated on the role played by NRDC in commercialization and gave a brief outlook of various schemes supported under its flagship. From incubation services in areas of technology, to technology transfer from various institutes, the speaker elaborated on the functioning of NRDC in details. He also mentioned about various awards for innovation that are presented by NRDC every year under various categories and encouraged the innovators from the University to apply for the same in the next call. He also apprised the gathering about the patent facilitation services provided by their organisation and technology transfers made under NRDC's initiatives to 24 nations across the globe.

The programme ended with the concluding remarks from the Dr. B. Das Registrar, Tezpur University. The vote of thanks was delivered by Dr. Juri B. Saikia, Research Officer, TUIPR Cell, Tezpur University.

A local exhibition of innovations from the University was showcased in the lobby area where the participating students explained their work to the symposium participants and the invited guests from industry. The technical sessions as well as the innovation exhibition received an overwhelming response followed by intense interaction between the innovators and the invite guests. The invited industry executives were seen taking note of some of the innovations and expressed willingness to recommend them for future collaborations with their respective organizations.



Photo: The organisers and the volunteers of RITES - 2018

Glimpses of the Concluding Ceremony



Photo: IPDAY Quiz 2018 Champion and Runners Up receiving trophies from Dr. Biren Das Registrar, Tezpur University, during the concluding ceremony of RITES-2018



(Left) Winner of the best slogan writing competition receiving prize



(Top Right and Bottom) Champion and runners of the Best Innovative Idea Competition 2018 receiving prizes



Photos (Top): Giving away of the prizes for the events conducted on the occasion of World Intellectual Property Day, 2018

Photos (Bottom): Felicitation of the innovators from Tezpur University who have helped the University to achieve some important milestone in terms of innovation and intellectual property



Prof. P. Deb, Coordinator, TUIPR Cell, felicitating the first innovator from the University, Prof. M. Bhuyan, Department of ECE, to receive a patent Grant



The Coordinator felicitating the GYTI Awardees from Tezpur University for the year 2017 and 2018



The Innovation Exhibition - 2018



Photo: Innovators from Tezpur University interacting with the participants of RITES-2018



Photo: Innovators from Tezpur University with some of the invited speakers from industry

World IP Day Quiz-2018...some moments



Photo: (Top) some moments of the IP Day Quiz-2018. (Bottom) The winners with the quizmaster and some of the participants

Detailed Programme

Date: 26.04.2018 (Thursday)		Venue: Council Hall
TIME	PROGRAMME	
9.00 AM —9.30 AM	REGISTRATION	
9.30 AM—10.15 AM	INAUGURATION	
	Lighting of Lamp	
	Welcome Address and Introduction of the theme by Prof. P. Deb, Coordinator, TUIPR Cell, Tezpur University	
	Inaugural Address by Prof. M. M. Sarma, Vice-Chancellor (In-Charge), Tezpur University	
	Address by the Chief Guest, Dr S. K Dwivedi, Director, DRL, Tezpur	
10.15 AM —10.30 AM	High Tea	
10.30 AM—12.00 Noon	TECHNICAL SESSION ON SCIENCE AND INNOVATIONS Session Chair: Prof. D. K. Bhattacharya, Dean Academics, Tezpur University	
	Session A: Development of science in India: a brief historical perspective by Prof Ajoy Ghatak, Professor Meghnad Saha Distinguished Fellow The National Academy of Science, India	
	Session B: Sustainable Development through Science to Technology: Joining the Missing Links by Dr. Amitava Pramanik, Director, Strategic Science Group, Hindustan Unilever Ltd, Bengaluru	
12.15 PM—1.45 PM	TECHNICAL SESSION ON INNOVATIONS IN ELECTRONIC DEVICES AND APPLICATIONS Session Chair: Prof. P.P.Sahu, Head, Dept, of ECE, Tezpur University	
	Session A: Protecting IC Layout and Designs/ Prior Art Search, IPR and Innovation & entrepreneurship By Shri. Sanjay Bhattacharya, Deputy Controller of Patents & Designs, Indian Patent Office	
	Session B: Cognitive Computing/Artificial Intelligence and dynamic paradigm in Digital World by Shri. Sanjay Sikdar, Program Director, Cloud Platform services at IBM Software Lab, IBM India.	
2.00 PM —2.45 PM	LUNCH	
2.45 PM—3.15 PM	Exhibition of the Local Innovations	
3.15 PM— 5.00 PM	TECHNICAL SESSION ON INNOVATIONS IN INDUSTRIAL PRODUCTS Session Chair: Prof. C.L.Mahanta, Dean, School of Engineering Tezpur University	
	Session A: Industrial Innovations--Latest Trend by Dr Anant Aghase, VP, PRS- Permacel Pvt. Ltd. Mumbai	
	Session B: Environmental Efforts of ONGC for sustainable Development by Mr. Harendra Singh, General Manager/Head INBIGS, Oil and Natural Gas Corporation Limited	
	Session C: Regulatory requirement and validation, DRL products: an overview by Dr. P. Chattopadhyay, Scientist, DRL, Tezpur	

5.00 PM —6.30 PM	TECHNICAL SESSION ON GOVERNMENT SUPPORT AND COMMERCIALIZATION INITIATIVES Session Chair: Prof A. Kumar, Head, SAIC, Tezpur University
	Session A: Initiatives of MSMEDI by Shri. B.S. Hosamani, Assistant Director (i/c), Micro, Small & Medium Enterprises Development Institute, Tezpur Branch, Ministry of MSME, Govt. of India
	Session B: Initiatives of Commercialization by NRDC by Shri Amit Ranjan, Engineer- Business Development, NRDC, An Enterprise of DSIR, Ministry of Science and Technology, Govt. of India
6.30 PM—7.00 PM	Concluding Ceremony
	Concluding address by Dr. Biren Das, the Registrar, Tezpur University
	Giving away of the prizes of the IP Day events organised on 25 th April, 2018 Felicitation of the distinguished innovators of University
	Vote of Thanks by Dr. Juri B. Saikia, Research Officer, Tezpur University Intellectual Property Rights Cell
7.00 PM onwards	Tea

The Speakers



Prof. Ajoy Ghatak,
Professor Meghnad Saha
Distinguished Fellow
The National Academy of
Science, India



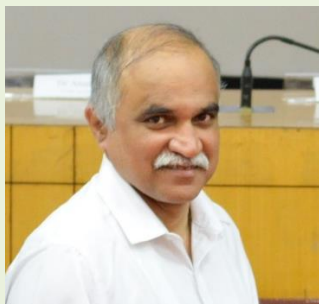
Dr Amitava Pramanik,
Director, Strategic Science Group,
Hindustan Unilever Ltd.



Shri. Sanjay Bhattacharya,
Deputy Controller of Patents
& Designs,
Indian Patent Office



Shri. Sanjay Sikdar,
Program Director, Cloud
Platform services at IBM
Software Lab,
IBM India.



Dr Anant Aghase,
VP, PRS- Permacel Pvt. Ltd.



Shri. Harendra Singh,
General Manager/Head
INBIGS, Oil and Natural Gas
Corporation Limited



Dr. P. Chattopadhyay,
Scientist and Deputy Director,
DRL, Tezpur



Shri. B.S. Hosamani,
Assistant Director, Micro, Small &
Medium Enterprises Development
Institute, Tezpur Branch,
Ministry of MSME, Govt. of India



Shri Amit Ranjan,
Engineer- Business
Development, NRDC,
Ministry of Science and
Technology, GOI

List of Participants for RITES - 2018:

Sl. No.	Name	Address
1	Dr. Ratul Kr. Baruah	Assistant Professor, Tezpur University
2	Dr.Nayan Moni Kakoty	Assosiate Professor, Tezpur University
3	Singamayum Khurshida	Research Scholar, Tezpur University
4	Dr. Soumik Roy	Assosiate Professor, Tezpur University
5	Kashmiri Deka	Research Scholar, Tezpur University
6	Meenakshi Talukdar	Research Scholar, Tezpur University
7	Mayuri Bora	Research Scholar, Tezpur University
8	Korobi Konwar	Project Satff, Tezpur University
9	Sushant Kumar Behera	Research Scholar, Tezpur University
10	Homen Lahan	Research Scholar, Tezpur University
11	Kasturi Sarmah	Research Scholar, Tezpur University
12	Pallavi Das	Research Scholar, Tezpur University
13	Dr. Ratan Boruah	Technical Staff, Tezpur University
14	Iftak Hussain	Research Scholar, Tezpur University
15	Debajit Rabha	Student, Tezpur University
16	Upasana Talukdar	Student, Tezpur University
17	Karabi Saikia	Student, Tezpur University
18	Amlan Baruah	Student, Tezpur University
19	Neha Gogoi	Student, Tezpur University
20	Prof. Partha P. Sahu	Professor, Tezpur University
21	Madan L. Singh	Student, Tezpur University
22	Jyotismita Sarma	Student, Tezpur University
23	Princhi Kalita	Student, Tezpur University
24	Abinash Dutta	Student, Tezpur University
25	Vivek Baruah Thapa	Student, Tezpur University
26	Dr. Mridul Dutta	Assistant Professor, Tezpur University
27	Bibaljoy Reang	Research Scholar, Tezpur University
28	Prithibi Pratibha Gogoi	Research Scholar, Tezpur University
29	Digantaraj Medhi	Research Scholar, Tezpur University
30	Jinnashri Devi	Research Scholar, Tezpur University
31	Nazneen Hussain	Research Scholar, Tezpur University
32	Sarmistha Paul	Research Scholar, Tezpur University
33	Abhijit nath	Student, Tezpur University
34	Saurav Jyoti Sarma	Student, Tezpur University
35	Chandeep Suman Gogoi	Student, Tezpur University
36	Prerana Sarma	Research Scholar, Tezpur University
37	Pratishi Hazarika	Research Scholar, Tezpur University
Sl. No.	Name	Address
38	Nabadweep Chamuah	Research Scholar, Tezpur University
39	Manasjyoti Nath	Student, Tezpur University
40	Diganta Hatiboruah	Project Staff, Tezpur University
41	Rashmi Das	Research Scholar, Tezpur University
42	Jyotishikha Deka	Student, Tezpur University
43	Debananda Gogoi	Research Scholar, Tezpur University
44	Sumita Dutta	Research Scholar, Tezpur University

45	Prof. Ashok Kumar	Professor, Tezpur University
46	Shubham Rohilla	Research Scholar, Tezpur University
47	Rituraj Dutta	Research Scholar, Tezpur University
48	Devalina Sarmah	Research Scholar, Tezpur University
49	Urbashi Neog	Research Scholar, Tezpur University
50	Seikh Mustafa Radiul	Project Staff, Tezpur University
51	Oishik Nath	Student, Tezpur University
52	Madhabi Devi	Research Scholar, Tezpur University
53	Rituraj Borah	Student, Tezpur University
54	Bhagyalakhi Baruah	Research Scholar, Tezpur University
55	Nitin Joseph Panicker	Research Scholar, Tezpur University
56	Bhaswati Borgohain	Research Scholar, Tezpur University
57	Mridusmita Dutta	Research Scholar, Tezpur University
58	Dr. Juri B.Saikia	Research Officer, TUIPR Cell
59	Raja Basfar	Student, Tezpur University
60	Pranjit Sarma	Student, Tezpur University
61	Saurav K Limbu	Student, Tezpur University
62	Dipankar Bhuyan	Student, Tezpur University
63	Satyabrat M B Baruah	Student, Tezpur University
64	Parvesh Salman Choudhury	Student, Tezpur University
65	Paresh Chetri	Student, Tezpur University
66	Maibam Baby Devi	Research Scholar, Tezpur University
67	Rajesh Kalarivaiy	Student, Tezpur University
68	Maitrayee Patar	Student, Tezpur University
69	Dr. Hitesh Sarma	Assistant Professor, Tezpur University
70	Pranita Bora	Student, Tezpur University
71	Shrabani Das	Student, Tezpur University
72	Manali Dutta	Student, Tezpur University
73	Subhomoy Mukhopadhyaya	Student, Tezpur University
74	Priyankush Ghosh	Student, Tezpur University
75	Prandeep Borthakur	Student, Tezpur University
76	Parashmoni Kashyap	Student, Tezpur University
77	Shakyadeep Bora	Student, Tezpur University
Sl. No.	Name	Address
78	Lakshya Jyoti Das	Student, Tezpur University
79	Pranjal Choudhury	Student, Tezpur University
80	Indrajit Saha	Student, Tezpur University
81	Subhadip Debnath	Student, Tezpur University
82	Ranojit Barman	Student, Tezpur University
83	Upasana Baishya	Student, Tezpur University
84	Chandan Sarma	Student, Tezpur University
85	Jotismita Doley	Student, Tezpur University
86	Kasturi Borah	Student, Tezpur University
87	Pallav Alugnpte	Student, Tezpur University
88	Pranjal Mahanta	Student, Tezpur University
89	Upasana Bora	Student, Tezpur University
90	Madhurya Borah	Student, Tezpur University
91	Subrata Paul	Student, Tezpur University

92	Satyajit D Baruah	Student, Tezpur University
93	Dikshita Dowerah	Student, Tezpur University
94	Raja Bhuyan	Student, Tezpur University
95	Diganta Rabha	Student, Tezpur University
96	Ashutosh Das	Student, Tezpur University
97	Pritam Das	Student, Tezpur University
98	Namita Ojah	Student, Tezpur University
99	Mamun Ray	Student, Tezpur University
100	Dr. Abinash Das	Guest Faculty, Tezpur University
101	Premkrishna Borgohain	Student, Tezpur University
102	Sita Chetry	Student, Tezpur University
103	Sangeeta Medhi	Student, Tezpur University
104	Sritam Biswas	Student, Tezpur University
105	Arghyadeep Paul	Student, Tezpur University
106	Naba K Kalita	Student, Tezpur University
107	Unnati Kashyap	Student, Tezpur University
108	Rajiv Khatiaoda	Student, Tezpur University
109	Dr. Rashmi R Devi	Scientist, DRL, Tezpur
110	Dr. S Dutta	Scientist, DRL, Tezpur
111	D. Saikia	Student, Tezpur University
112	Prasenjit Panda	Student, Tezpur University
113	Abhijit Nath	Student, Tezpur University
114	Arun Rathi	Student, Tezpur University
115	Pankaj Sarma	Student, Tezpur University
116	Spondeep Borah	Student, Tezpur University
117	Koustav Mahanta	Student, Tezpur University
Sl. No.	Name	Address
118	Dip Jyoti Sarmah	Student, Koliabor College, Nagaon
119	Pallav Sen Gupta	Student, Koliabor College, Nagaon
120	Kaustav Mahanta	Student, Koliabor College, Nagaon
121	Diganta Kumar Saikia	Student, Koliabor College, Nagaon
122	Spondeep Borah	Student, Koliabor College, Nagaon
123	Piyali Das	Student, Koliabor College, Nagaon
124	Kankana Sonowal	Student, Koliabor College, Nagaon
125	Sagorika Bora	Student, Koliabor College, Nagaon
126	Upashana Bora	Student, Koliabor College, Nagaon
127	Sumrin Ikram	Student, Koliabor College, Nagaon
128	Ashmita Deka	Student, Koliabor College, Nagaon
129	Chayanika Laskar	Student, Koliabor College, Nagaon
130	Mayuri Bhattacharjya	Student, Koliabor College, Nagaon
131	Bandita Parasar	Student, Koliabor College, Nagaon
132	Priyanka Nath	Student, Koliabor College, Nagaon
133	Abhinay Kumar Singh	Student, Koliabor College, Nagaon
134	Bikash Borthakur	Student, Koliabor College, Nagaon
135	Madhurjya Borah	Student, Koliabor College, Nagaon
136	Pranjal Mahanta	Student, Koliabor College, Nagaon
137	Hirak Jyoti Acharjya	Student, Koliabor College, Nagaon
138	Srija Hazarika	Student, Koliabor College, Nagaon
139	Liza Upadhyaya	Student, Koliabor College, Nagaon

140	Takshashila Kasyap	Student, Koliabor College, Nagaon
141	Kasturi Borah	Student, Koliabor College, Nagaon
142	Puja Sarma Phukan	Student, Koliabor College, Nagaon
143	Dr. Barnali Sarma	Assistant Professor, Koliabor College, Nagaon
144	Ms. Dipanjali Saikia	Assistant Professor, Koliabor College, Nagaon
145	Mr. Parag Nath	Assistant Professor, Koliabor College, Nagaon

Creating the networks and the Platform....



About Tezpur University:

Tezpur University was established by an Act of Parliament in 1994 and is outcome of the historic Assam Accord signed by the Government of India, Government of Assam and the All Assam Students' Union in 1985. The University is nestled in a 262-acre campus at Tezpur in middle Assam with 3800 students, 290 faculty and 300 non-teaching staff. The university is currently offering 72 programmes through 22 departments and 12 centres under four schools of studies. It has been securing recognition from various government and non-governmental organisation at national as well as international levels including the "Best University" award by the Visitor (President of India) in 2016, 5th Position in the National Institutional Ranking Framework of Ministry of Human resource Development, Government of India, 2016, 100th rank in the Times Higher Education Asia University Rankings 2018, etc. In pursuit of the holistic development of the students, the University has created state-of-the art facilities -academic as well as co-curricular- on its campus. Apart from the in camps activities, the Students are encouraged to make meaningful contributions to the development of the society at large.



About TUIPR Cell:

The Tezpur University Intellectual Property Rights Cell (TUIPR Cell) came into existence in Tezpur University in 2009. In the year 2010, the University was awarded the prestigious MHRD IPR Chair that started functioning under the umbrella of the TUIPR Cell. Besides assisting the TU fraternity for IPR related matters, the Cell has been conducting various workshops, training and outreach programmes on regular basis.

The aim behind all the conducted programmes is to introduce intellectual property (IP) consciousness to a wide spectrum of audience representing different strata of the society. IPR has been introduced in the University curriculum to develop a sense of respect among students for the intellectual property, and equip them with knowledge of various IPR tools. In order to make research activities rewarding and self-sustaining, the TUIPR Cell has been taking a number of initiatives to promote protection of IPs resulting from the research activities undertaken in the University. The Cell has come in collaboration and agreement with government agencies for receiving support for filing of patent applications and also is in agreement with a reputed IP attorney firm to handle certain critical issues related to the filing procedure. Another MoU is in consideration with a government agency for commercialization of the protected technologies. Besides this, assistance from various government agencies have been availed from time to time for getting financial support associated with procedural requirements for protecting various IPs emanating from academic research. Currently, the Cell is focusing on creating a conducive environment for the industries to feel confident while seeking solutions to their problems with the innovators of the University, thereby paving way for successful technology transfer and commercialization.