



तेजपुर विश्वविद्यालय

(केंद्रीय विश्वविद्यालय)

नपाम, तेजपुर - 784 028, असम, भारत

TEZPUR UNIVERSITY

(A Central University)

Napam, Tezpur - 784 028, Assam, India

Tezpur University Intellectual Property Rights Cell



Celebrating Silver Jubilee of Tezpur University

&

Special Existence of the IPR Cell

REGIONAL WORKSHOP ON

TRANSLATIONAL RESEARCH AND INNOVATION

.....MAKING USE OF IPR ACROSS VALUE CHAIN

30TH DEC, 2018



Organized by

Tezpur University Intellectual Property Rights Cell
Tezpur University

in collaboration with

National Research Development Corporation (NRDC)

An enterprise of the Department of Scientific & Industrial Research

Department of Science and Technology, Government of India

Prof. P. Deb
Chair Professor
Intellectual Property Rights Cell
Tezpur University, Tezpur-784028



तेजपुर विश्वविद्यालय

(केंद्रीय विश्वविद्यालय)

नपाम, तेजपुर - 784 028, असम, भारत

TEZPUR UNIVERSITY

(A Central University)

Napam, Tezpur - 784 028, Assam, India

Tezpur University Intellectual Property Rights Cell

The Report on

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

1

Prof. P. Deb
Chair Professor
Intellectual Property Rights Cell
Tezpur University, Tezpur-784028



Tezpur University Intellectual Property Rights Cell

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.



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

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 .

2

Prof. P. Deb
Chair Professor
Intellectual Property Rights Cell
Tezpur University, Tezpur-784028



Tezpur University Intellectual Property Rights Cell

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 Duliagan 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



Tezpur University Intellectual Property Rights Cell

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.





Tezpur University Intellectual Property Rights Cell



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.



Tezpur University Intellectual Property Rights Cell



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 "Bhogali 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.

Prof. P. Deb
Chair Professor
Intellectual Property Rights Cell
Tezpur University, Tezpur-784028



Tezpur University Intellectual Property Rights Cell

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		
	TECHNICAL SESSION - I		
	<i>Translational Research and Success Stories</i>		
10.00 AM—12.00 Noon	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, Boroi Tea Estate.		
5.00—5.30 PM	Concluding Ceremony		



Tezpur University Intellectual Property Rights Cell

List of Participants for
WORKSHOP ON TRANSLATIONAL RESEARCH 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



Tezpur University Intellectual Property Rights Cell

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. Suzil Kaulshrestha, Director, M/s Medis 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.



Tezpur University Intellectual Property Rights Cell

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.



Tezpur University Intellectual Property Rights Cell



REGIONAL WORKSHOP ON

TRANSLATIONAL RESEARCH AND INNOVATION

.....MAKING USE OF IPR ACROSS VALUE CHAIN



When we talk of technology transfer failures, some question invariably haunts us: Are we catering the requirements of the industry, or are we actually offering what we have in due course of research? What would have been the extra steps that would have made the technology more palatable?

From getting conceived as an idea in a laboratory, to transforming the invention to a promising product in the market, lots of effort need to be channelized for evaluation, protection and commercialization of technologies. As academician, we often tend to limit our assessments to technological aspects of an innovation, ignoring aspects of marketability. Thus, delving deep into the nuances of making the technology "market ready" by focusing on upscaling, clinical trials, partnering with industries for field testing etc., we may prepare our technologies better for releasing them in the market.

IPR Cell is prioritising innovation for improving quality of life in collaboration with experts and industries. NRDC and TUIPR Cell are already in agreement to accomplish a sophisticated level in different technologies that are helpful in solving global problems through dedicated endeavours focusing on competitive and friendly technologies. This workshop will provide immediate solution of any technological demand through top technocrats belonging to various scientific field (Engineering, Physical, Chemical, and Biological etc.) and non-scientific field (Management, Social and IPR), which is the key characteristic of this unique interaction meeting. Effort to enable various industry based activities and discussions to improve knowledge and practice by expert advice and in-house innovative scientific assets is identified as one of key areas of deliberation.



Organized by
Tezpur University Intellectual Property Rights Cell
Tezpur University
In collaboration with
National Research Development Corporation (NRDC)
An enterprise of the Department of Scientific & Industrial Research, DST, Govt. Of India

- Participation Requirements**
1. Must register online by sending the filled in form to coordinator_tuipr@tezu.ernet.in
 1. Should be having at least one invention that is planned for commercialization shortly
 2. Staying Arrangements for outstation participants: in the university guesthouse on payment basis
 3. Max number of participants limited to 30.

- Expected outcomes:**
- Exploring nuances of upscaling, industry prototype preparation etc.to make technologies market ready.
 - updating information on sector specific market demands related to latest technologies.
 - A sneak peek on Dos and Do-nots for facilitating smooth transition of any innovation to market.
 - Discussion on drafting a good patent specification, capable of withstanding competitions in the market.

VENUE: GUEST HOUSE

- Time: 9.00 am onwards
- Date: 30 December, 2018 (Sunday)

Prof. P. Deb
Chair Professor
Intellectual Property Rights Cell
Tezpur University, Tezpur-784028