

## CONTENT

### Criteria: 3.2.2

S. No.	Name of Document	Number of Participants	Date	Annexure No.
1.	IPR and Patent drafting techniques	100	23/03/2022 to 25/03/2022	Annexure No. 01
2.	Rural Entrepreneurship	250	28/02/2022	Annexure No. 02
3.	3D printing and application	56	13/04/2022	Annexure No. 03
4.	National intellectual property awareness mission (NIPAM)	150	26/04/2022	Annexure No. 04
5.	Expert talk on " Research paper Writing"	120	12/02/2022	Annexure No. 05
6.	Uttarakhand Startup Aspirant Meet	150	30/05/2022 to 31/05/2022	Annexure No. 06
7.	Research opportunities "Medical electronics and artificial intelligence for health care"	60	28/05/2022	Annexure No. 07
8.	Expert Talk on intellectual property right	50	08/08/2022	Annexure No. 08

  
**Director**  
**Tula's Institute, Dehradun**

## Annexure No. 01

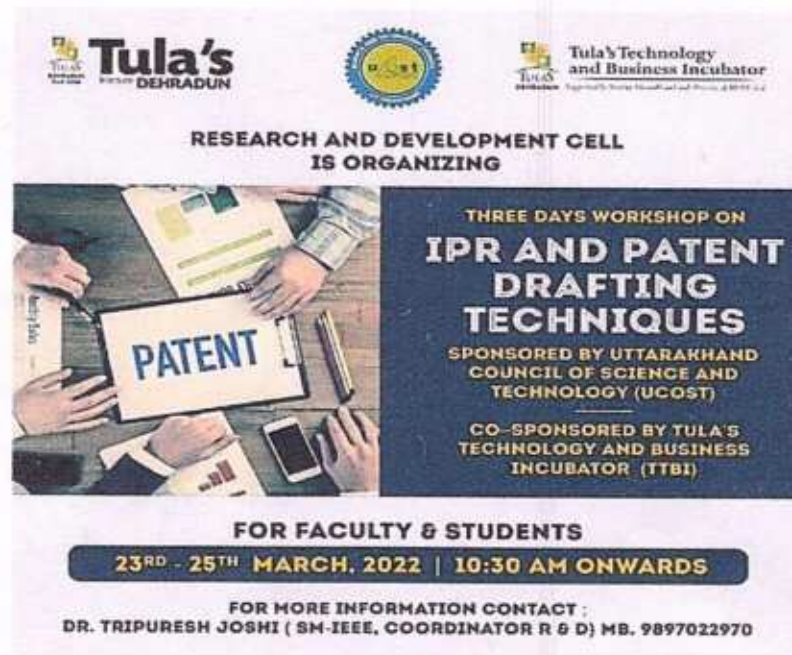
**Event:** IPR and Patent Drafting Techniques

**Date:** 23-25 March 2022

**Sponsor:** UCOST, Dehradun & Technically Co-Sponsored by TTBIF, Dehradun

**Participants:** 100 Members

**Objective:** The aim is to train the participants about the mechanism of accessing and using IPR information for further research and development in developing new products and process and for their use in business development.



The poster features the Tula's Dehradun logo at the top left, followed by the U.C.O.S.T. logo and the Tula's Technology and Business Incubator logo. The central text reads 'RESEARCH AND DEVELOPMENT CELL IS ORGANIZING'. Below this is a photograph of hands holding a document labeled 'PATENT'. To the right of the photo, the text states 'THREE DAYS WORKSHOP ON IPR AND PATENT DRAFTING TECHNIQUES', 'SPONSORED BY UTTARAKHAND COUNCIL OF SCIENCE AND TECHNOLOGY (UCOST)', and 'CO-SPONSORED BY TULA'S TECHNOLOGY AND BUSINESS INCUBATOR (TTBIF)'. At the bottom, it specifies 'FOR FACULTY & STUDENTS', '23RD - 25TH MARCH, 2022 | 10:30 AM ONWARDS', and provides contact information for Dr. Tripuresh Joshi.

**Tula's DEHRADUN**

**U.C.O.S.T.**

**Tula's Technology and Business Incubator**

**RESEARCH AND DEVELOPMENT CELL IS ORGANIZING**

**PATENT**

**THREE DAYS WORKSHOP ON IPR AND PATENT DRAFTING TECHNIQUES**

**SPONSORED BY UTTARAKHAND COUNCIL OF SCIENCE AND TECHNOLOGY (UCOST)**

**CO-SPONSORED BY TULA'S TECHNOLOGY AND BUSINESS INCUBATOR (TTBIF)**

**FOR FACULTY & STUDENTS**

**23RD - 25TH MARCH, 2022 | 10:30 AM ONWARDS**

**FOR MORE INFORMATION CONTACT :**  
**DR. TRIPURESH JOSHI ( SM-IEEE, COORDINATOR R & D) MB. 9897022970**

**Summary-** Three days' workshop on Intellectual Property Rights and patent drafting techniques was inaugurated at Tula's Institute, Dehradun (23/03/2022). The welcome address was given by Director (Prof. Sandip Vijay) in the august gathering of Registrar Prof. Pavan Kumar Chaubey, Dean Academics Dr. Nishant Saxena, Director IQAC Dr. M.K. Arora, Dean Agriculture and Management Dr. Ranit Kishore, Dean Research and Development Dr. Sunil Semwal, R & D Coordinator Dr. Tripuresh Joshi, HOD ECE & EEE Dr. Diwaker Pant, HOD ASE Mr. Piyush Dhuliya, HOD ME Mr. Pradeep Kothiyal, TPO Mr. Vaibhav Kumar among others.

The first session was given by Mr. Mukesh Kestwal, Sr. Program Manager Innovation, HeadStart Foundation on the topic "Essence of IP in Start-Up and Entrepreneurship". The second session was given by Dr. Shweta Singh, CEO, Ennoble IP on "Type of Intellectual Property Rights Consultancy and Services".

  
**Director**  
**Tula's Institute, Dehradun**



The workshop is being organized under the aegis of Uttarakhand Council of Science and Technology (UCOST) and Tula's Technology and Business Incubator Foundation (TTBIF).

**Pictures of Day:**



**Outcome-** Understood the procedures to convert the research outcome into patents. This training has brought the positive transformation in the faculty member's attitude in their project and research works and get them more focused as well as result oriented, and the process for further commercialization/ technology transfer.

  
**Director**  
Tula's Institute, Dehradun



## Annexure No. 02

**Event:** Workshop on Rural Entrepreneurship

**Date:** 28 February 2022

**Expert Speaker:** Dr. W R Prasanna K.  
Dr. Sandip Vijay  
Dr. Sanjay K Agarwal

**Participants:** 250 Members

**Objective:** To develop entrepreneurial and activity-oriented skills among the unemployed rural youths willing to create small or micro-enterprises by assisting agencies



**Summary:** One day workshop on Rural Entrepreneurship was inaugurated at Tula's Institute, Dehradun 28/02/2022. The welcome address was given by Director (Prof. Sandip Vijay) in the august gathering of Registrar Prof. Pavan Kumar Chaubey, Dean Academics Dr. Nishant Saxena, Director IQAC Dr. M.K. Arora, Dean Agriculture and Management Dr. Ranit Kishore, Dean Research and Development Dr. Sunil Semwal, R&D Coordinator Dr. Tripuresh Joshi, HOD ECE and EEE Dr. Diwaker Pant, HOD ASE Mr. Piyush Dhuliya, HOD ME Mr. Pradeep Kothiyal, TPO Mr. Vaibhav Kumar among others.

Firstly Dr. W R Prasanna K. talked about the different Rural Entrepreneurship Development schemes. He explained various business ideas through PPT and explained how small businesses can be built which will ultimately help in development of rural areas as well as in development of nation.

  
Director  
Tula's Institute, Dehradun

Then the session was taken over by Dr. Sandip Vijay, he added further that if one is passionate about the idea of business one can implement it and can bring out the real scenario.

Dr. Sanjay K Agarwal explained various business ideas through PPT and explained how small businesses can be built which will ultimately help in development of rural areas as well as in development of the nation.

It was quite an interactive session where students explained the business idea they have in mind and how they can make it work practically.



### Outcome:

Students, faculty members and startups have learned about the obstacles and the opportunities for rural entrepreneurship.

*Signature*  
Director  
Tula's Institute, Dehradun



## Annexure No.03

**Event:** 3D Printing and applications

**Date:** 13 April 2022

**Sponsor:** Techno Hub, IEEE

**Participants:** 56

**Objective-** The Main objectives of this workshop is to make the students conceptually and practically aware about:

- Learn about the materials, designing of CAD models, working of a 3D Printer
- Understand how to build and calibrate a 3D printer
- Understand the basics of G code generation
- The participants will get 3D printed models that they design (Best Model Design)



Tula's Institute Student Branch



RESEARCH AND DEVELOPMENT  
CELL IS ORGANIZING  
ONE DAY HANDS ON SESSION  
**3D  
PRINTING AND  
APPLICATION**  
CO SPONSORED BY  
IEEE TULA'S INSTITUTE  
STUDENT BRANCH

**FOR B.TECH ECE, CSE, EEE, ME, CIVIL STUDENTS**

**13<sup>TH</sup> APRIL, 2022 | 9:40 AM ONWARDS**  
**VENUE: CONFERENCE HALL, TULA'S INSTITUTE**

FOR MORE INFORMATION CONTACT :  
DR. TRIPURESH JOSHI (SM IEEE, COORDINATOR R & D) : 9897022970

**Summary:** One day workshop on 3D Printing and Applications was inaugurated at Tula's Institute, Dehradun 13/04/2022). The welcome address was given by Director (Prof. Sandip Vijay) in the august gathering of Registrar Prof. Pavan Kumar Chaubey, Dean Academics Dr. Nishant Saxena, Director IQAC Dr. M.K. Arora, Dean Agriculture and Management Dr. Ranit Kishore, Dean Research and Development Dr. Sunil Semwal, R & D Coordinator Dr. Tripuresh Joshi, HOD ECE & EEE Dr. Diwaker Pant, HOD ASE Mr. Piyush Dhuliya, HOD ME Mr. Pradeep Kothiyal, TPO Mr. Vaibhav Kumar among others.

Students were helped in visualizing, creating, brainstorming different layouts on Solidworks. Students were helped throughout the seminar and no unattended doubts were left as each single doubt was cleared. Students were helped in designing models on Solid Works and later converted it into a file containing G-

  
Director  
Tula's Institute, Dehradun



Approved by AICTE, Ministry of HRD, Govt. of India • ISO 9001:2015

Affiliated: V.M.S.B Uttarakhand Technical University | Sri Dev Suman Uttarakhand University | Uttarakhand Board of Technical Education

CODES & M-CODES & later applied those so that a 3D Print of the layout they made on SolidWorks could be printed via the 3D Printers they brought with them. Different layouts were printed. The session was very interactive and students participated enthusiastically.



**Outcome:** students are well equipped with the knowledge that in future they need to make 3D Print via 3D Printing technology.

*QY*  
**Director**  
Tula's Institute, Dehradun

## Annexure No. 04

**Event:** National Intellectual Property Awareness Mission (NIPAM)

**Date:** 26 April 2022

**Expert Speaker:** Ms. Tripti Pandey

**Participants:** 150 Members

**Objective:**

- To set up and maintain the services for researchers, Faculty members and students for effective commercial utilization of intellectual property generated at Institute in the interests of all concerned and to oversee the fair distribution of the returns accruing as an outcome of the patent in accordance with the policy and its amendments.
- To promote safeguarding of the intellectual property interests of all those who are involved in the creation of intellectual property at the University.



DEPARTMENT OF COMPUTER  
SCIENCE AND ENGINEERING IS ORGANIZING  
**GUEST LECTURE ON**  
**"NATIONAL INTELLECTUAL PROPERTY  
AWARENESS MISSION (NIPAM)"**

**SPEAKER**

**TRIPTI  
PANDEY**

Examiner of Patents & Designs,  
Patent Office, Delhi



APRIL  
**26, 2022**

VENUE: SEMINAR HALL,  
TULA'S INSTITUTE

**11:30 AM to  
1:00 PM**

COORDINATOR: DR. SANDEEP KUMAR (9457272262)

**Summary:** One day workshop on Intellectual Property Rights was inaugurated at Tula's Institute, Dehradun 26/04/2022. The welcome address was given by Director (Prof. Sandip Vijay) in the august gathering of Registrar Prof. Pavan Kumar Chaubey, Dean Academics Dr. Nishant Saxena, Director IQAC Dr. M.K. Arora, Dean Agriculture and Management Dr. Ranit Kishore, Dean Research and Development Dr. Sunil Semwal, R & D Coordinator Dr. Tripuresh Joshi among others.

  
Director  
Tula's Institute, Dehradun



Further, she continued the session, told us about the IPR and its benefits and how it can be helpful for everyone. She also talked about the strong and effective laws with regard to IP rights, consistent with international obligations, to modernize and strengthen IP administration, to catalyze commercialization of IP rights. To strengthen the enforcement and adjudicatory mechanisms for combating IP violations and to promote awareness and respect for IP rights.



#### Outcome:

1. Students were taught on how IPR restricts copying others' ideas and how this will help the development of new ideas for the betterment of the society.
2. Students learnt how IPR provides total control over a new innovation and its creator. They were also given a platform to discuss how small innovations influence societies at large and how they should indulge in innovating and patenting ideas that will be useful for all the classes of individuals in the society.



## Annexure No. 05

**Event:** Expert session on "Research paper writing" with Dr. Geeta Marwat [Google meet]

**Date:** 12-February-2022 (1:30 PM- 3:30 PM)

**Sponsor:** Graduate school of Business (Departmental activities committee)

### **Objective:**

The main purpose of the organizing this event is to make faculty members certain on writing research paper and to educate them for systematic investigation into reality to gain knowledge.



**GRADUATE SCHOOL OF BUSINESS  
IS GOING TO ORGANISE  
EXPERT SESSION ON  
"RESEARCH PAPER  
WRITING"**

**WITH**

**DR. GEETA MARMAT**

**- INDIKAKA IPCOWALA INSTITUTE  
OF MANAGEMENT  
- FACULTY OF MANAGEMENT STUDIES  
- CHAROTAR UNIVERSITY OF SCIENCE  
AND TECHNOLOGY, CHARUSAT, GUJARAT**



**12TH FEBRUARY, 2022  
1:30 PM - 3:30 PM**

### **Summary:**

Graduate School of Business of Tula's Institute, Dehradun organized an Expert session on research paper writing for all the faculty members of GSB on 12th December 2021.

Dr. Geeta with respect to the research paper writing talked about

- Overall purpose of study
- How to choose a topic?
- How to write a thesis or introductory statement?
- The difference bet. plagiarism and acceptable plagiarism
- How to use "parenthetical notations."
- Bibliography & proper format.

Over all it was great experience for each one of us, swotting with one of the research sages – Dr. Geeta Marwat,

  
**Director**  
**Tula's Institute, Dehradun**





## Introduction Section (Structural components)

- Research background
- Significance/motivation/rationale of the study
- Primary relevant research work (What is known?)
- Gaps (What is unknown?)
- Fit of your study/approach
- Rationale of the approach
  - Purpose of study
- Research question
- Objectives

**Outcome:** Knowledge enrichment and General know-how with respect to:

- Research & its methods
- Breaking the goal down into sub-categories to develop an objectives
- Assessing the objective using the SMART acronym
- Addressing study gaps
- Literature review
- Usage of Various statistical tools
- Numerous challenges one can come across while writing a research paper

*Chit*  
Director  
Tula's Institute, Dehradun

## Annexure No. 06

**Event:** Uttarakhand Start-Up Aspirants Meet-2022

**Date:** 30-31 May 2022

**Sponsor:** Head Start, GitHub, Startup Uttarakhand

**Objective:** To provide the knowledge about the startup and innovations.



The poster is for the 'Uttarakhand Start-up Aspirants Meet-2022'. It features logos for Tula's Dehradun, NAAC Grade A+, Startup Uttarakhand, HEADSTART, GitHub, and Tula's Technology and Business Incubator. The text on the poster reads: 'Uttarakhand Start-up Aspirants Meet-2022', 'ALL ASPIRANTS, FOUNDERS AND INCUBATORS AT ONE VENUE', 'TULA'S INSTITUTE, DEHRADUN', '30TH - 31ST MAY, 2022', 'ORGANIZED BY TULA'S TECHNOLOGY BUSINESS INCUBATOR FOUNDATION', and 'Coordinator: Dr Tripuresh Joshi | Mob: +91-9897022970 e-mail:tripuresh.joshi@tulas.edu.in'.

**Summary:** Tula's Institute technology business incubator foundation conducted a two-day uttarakhand startup aspirants meet 2022; in which prominent organizations such as uttarakhand startup, STPI Dehradun, Rural business incubator, and HeadStart participated.

The event consists of three sessions.

1. Panel discussion with Government officials.
2. Panel discussion with the Incubator CEOs and industry representatives.
3. Panel discussion with a start-up foundation.

Mr. Maneesh Kumar, Additional Director, STPI Dehradun, Mr. Siddharth Shukla, Senior Consultant, Uttarakhand Startup, and Dr. Bhavtosh Sharma, Senior Scientist, USERC, Government of Uttarakhand, participated in the first panel discussion. The topic concerned government initiatives and policies on entrepreneurship and rural development through entrepreneurship. The event was chaired by Mr. Tauseef

  
Director  
Tula's Institute, Dehradun



Iqbal, assistant professor in the BJMC department, and Ms. Sheetal Kapoor, assistant professor in the EEE department.

After the first session, Mr. Aditya Verma, Technical Officer, Central Institute of Petrochemicals Engineering & Technology (CIPET), discusses the incubator and startup facilities offered at CIPET.

Mr. Umesh Agrawal, Director CIIES, DIT University Dehradun, Mr. Mukesh Kestwal, Senior Program Manager, Headstart, Mr. Nishkarsh Mehra, Rural Business Incubator, Pauri Garhwal, and Dr. Nishant Saxena, TTBIIF, participate in the second panel discussion. The seminar on and how incubators foster startup development through success stories and how incubators may contribute to rural development by assisting rural startups. The event was chaired by Mr. Tauseef Iqbal, Assistant Professor in the BJMC department, and Ms. Sheetal Kapoor, assistant professor in the EEE department.

On the second day of the conference, Ms. Pooja Kumar, Founder of Innove Intellects, gave a presentation entitled Intellectual Property Right and Its Importance from a Startup Perspective. Ms. Renu Thapliyal, founder of R2E Technologies, Mr. Mukul Mehta, founder of Aagyo Pvt Ltd, and Mr. Anuj Bhaskar, founder of Arteva Groups, participated in the third panel discussion. The conversation centered on the success stories of the businesses. The discussion on how they overcame various obstacles. The discussion was mediated by Mr. Tauseef Iqbal, an assistant professor in the BJMC department.

Dr. Sandip Vijay, Director of Tula Institute, Dr. Raghav Garg, Vice President of Tula's Institute and Founder of TTBIIF, Dr. Pavan Kumar Chaubey, Registrar of Tula's Institute, and Dr. Nishant Saxena, Dean of Tula's Institute Academics, were present. The event was attended by Dr. Ranit Kishor, Dean of Management at Tula's Institute, Dr. Sunil Semwal, Dean of Research and Development at Tula's Institute, and Dr. Tripuresh Joshi, Assistant professor and event coordinator.

#### Pictures of the event:







### Outcome:

Knowledge Enhancement- Students learn about the domain related to start up and entrepreneurship. General Efficiency. The workshop had enhanced the students' knowledge that will help them to analyse the problems of employability.

*[Signature]*  
Director  
Tula's Institute, Dehradun



**Annexure No. 07**

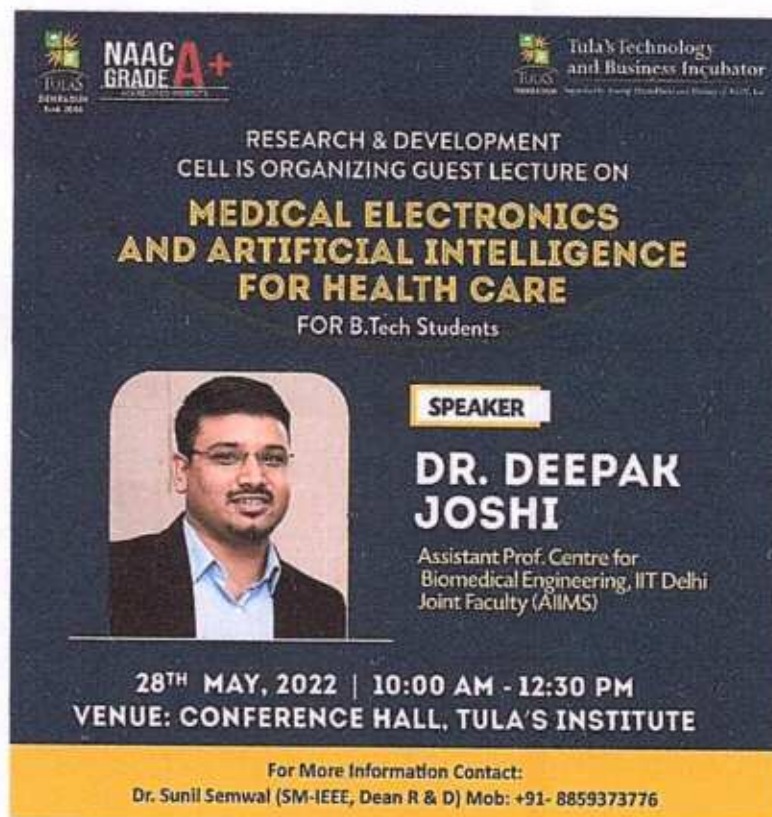
**Event:** Guest lecture on medical electronics and artificial intelligence for health care

**Date:** 28 May 2022

**Sponsor:** Tula's Institute

**Participants:** 60

**Objective:** The primary aim of health-related AI applications is to analyze relationships between clinical techniques and patient outcomes.



**Summary:** One day workshop on medical electronics and artificial intelligence for health care was inaugurated at Tula's Institute, Dehradun 28/05//2022). The welcome address was given by Director (Prof. Sandip Vijay) in the august gathering of Registrar Prof. Pavan Kumar Chaubey, Dean Academics Dr. Nishant Saxena, Dean Agriculture and Management Dr. Ranit Kishore, Dean Research and Development Dr. Sunil Semwal, Coordinator Dr. Tripuresh Joshi, HOD ME Mr. Pradeep Kothiyal, TPO Mr. Vaibhav Kumar among others.

  
Director  
Tula's Institute, Dehradun

He told students about their work at IIT, Delhi which was based on artificial prosthetic limb research. He motivated students to serve humans by using technology, he also informed how AI is benefitting healthcare, about the AI devices, obstacles and opportunities in AI in Healthcare.



**Outcomes:** Integration of data is complex, trust issues, time and energy limitations are some obstacles to implement AI in healthcare.

  
Director  
Tula's Institute, Dehradun



## Annexure No. 8

**Event:** Expert Talk on Intellectual Property Rights.

**Date:** 08 August 2022

**Sponsor:** Tula's Institute

**Speaker:** Dr. Lakshmi Meena  
Dr. Vinita Suyal

**Participants:** 50

**Objective:** To give a brief introduction to IPR and explain the various related terms such as copyrights, patents and GI Tag.



The poster is for an event titled "EXPERT TALK ON INTELLECTUAL PROPERTY RIGHTS" organized by the Research and Development Cell at Tula's Dehradun. It features two speakers: Dr. Lakshmi Meena and Dr. Vinita Suyal, both Examiners of Patents and NIPAM Officers. The event is scheduled for 8th Aug, 2022, from 2:30 PM to 4:30 PM. A QR code is provided for joining the meeting. The coordinator is Dr. Sunil Semwal (SM-IEEE, Dean R&D) with contact number +91-8859373776. Logos for Tula's Dehradun, Azadi Ka Amrit Mahotsav, and the Ministry of Education, Government of India are also present.

**Tula's DEHRADUN**

RESEARCH AND DEVELOPMENT CELL IS ORGANIZING

**EXPERT TALK ON INTELLECTUAL PROPERTY RIGHTS**

**DR. LAKSHMI MEENA**  
Examiner of Patents,  
NIPAM Officer

**DR. VINITA SUYAL**  
Examiner of Patents,  
NIPAM Officer

**8TH AUG, 2022**  
2:30 PM -4:30 PM

Scan to join the meeting

Coordinator- Dr. Sunil Semwal (SM-IEEE, Dean R&D)  
+91-8859373776

**Summary:** Expert talk on Intellectual Property Rights was inaugurated at Tula's Institute, Dehradun 08/08/2022). The welcome address was given by Director (Prof. Sandip Vijay) in the august gathering of Registrar Prof. Pavan Kumar Chaubey, Dean Academics Dr. Nishant Saxena, Dean Agriculture and Management Dr. Ranit Kishore, Dean Research and Development Dr. Sunil Semwal, R&D Coordinator Dr. Tripuresh Joshi, TPO Mr. Vaibhav Kumar among others.

He presented a few interesting case studies. The speech highlighted the vulnerable status of India in terms of patent applications filed. From the need of IPRs to the exclusively easy steps to file a patent application.

  
Director  
Tula's Institute, Dehradun



**Outcome:** Students learnt how IPR provides total control over a new innovation and its creator. They were also given a platform to discuss how small innovations influence societies at large and how they should indulge in innovating and patenting ideas that will be useful for all the classes of individuals in the society.

*Chaitanya*  
**Director**  
**Tula's Institute, Dehradun**