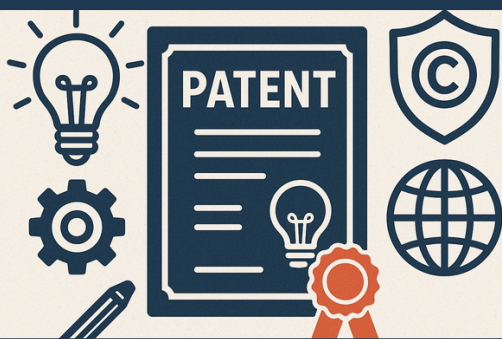


## Course content

1. **IP and Innovation: Overview of IP, Types, IP Scenario in India, Importance of IP**
2. **Criteria for patentability - Novelty, inventive step, non-obviousness**
3. **Drafting of a patent application :**
  - Structure of a Patent Document - Title, abstract, background, description, claims, drawings, Reading, Renew Patents/design
  - Writing Effective Patent Claims - Types of claims (independent/dependent), drafting strategy
  - Dos and Don'ts of Patent Drafting - Common mistakes and how to avoid them
  - Case Study: Sample Patent Drafting - Hands-on example of drafting a simple patent
4. **Search procedure of a patent**
  - Why Patent Search Matters - Prior art search, freedom to operate, competitive analysis
  - Types of Patent Searches - Novelty, state of the art, invalidity, infringement
  - Free Patent Databases Overview - Google Patents, Espacenet, USPTO, WIPO PATENTSCOPE, Indian Patent Search (InPASS)
  - Keyword and Classification Search Strategies - IPC/CPC codes, Boolean operators
  - Hands-on Session: Conducting a Basic Patent Search - Guided live demo or activity
5. **Patent filing procedure - India/ PCT/ USPTO**
6. **Understanding the patent life-cycle (from filing to granting)**



## ABOUT NIT ROURKELA

**National Institute of Technology (NIT) Rourkela** was founded as Regional Engineering College, Rourkela, in 1961, and was declared as an institution of national importance by an Act of Parliament in 2007. The Institute provides quality education in a diverse and multi-cultural environment. The vision of the institute is to become an internationally acclaimed institution of higher learning that will serve as a source of knowledge and expertise for the society and be a preferred destination for undergraduate and graduate studies, along with a mission to advance and spread knowledge in the area of science and technology leading to creation of wealth and welfare of humanity.

Times Higher Education has figured NIT Rourkela in the group of 1000-1200 in World University Ranking 2023. NIT Rourkela has ranked 19<sup>th</sup>, 30<sup>th</sup>, and 34<sup>th</sup> in NIRF Engineering, Research, and Overall for the year 2024, respectively. Apart from UG and PG courses, NIT Rourkela also offers Ph.D. and M. Tech. by Research program. The institute research centers are engaged in consultancy and research activities of several bodies such as DST, DAE, CSIR, DRDO, BARC, ISRO and private industries.



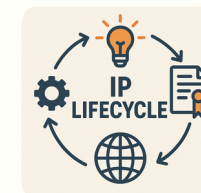
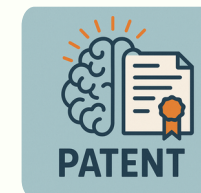
**NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA**  
**INTELLECTUAL PROPERTY INNOVATION CENTRE**  
**(IPIC)**

*is organizing a*

**2-days Workshop on**

**From Idea to Asset:  
Understanding the IP Lifecycle**

**HYBRID MODE**



**September 3-4, 2025**

*Coordinators*

**Prof. Ravi Kant Avvari**

**Dept. of Biotechnology and Medical Engineering**

**Prof. Anshuman Patra**

**Dept. of Metallurgical and Materials Engineering**

**Venue**



**PPA Auditorium,  
NIT Rourkela  
9 AM onwards**

## Organizing committee

### PATRON

**PROF. K UMAMAHESWAR RAO**  
DIRECTOR (NIT ROURKELA)

### CHAIRMAN

**PROF. SUJIT SEN**

Intellectual Property Innovation Centre (IPIC)  
NIT Rourkela

### COORDINATORS

**PROF. RAVI KANT AVVARI**  
Member

Intellectual Property Innovation Centre (IPIC)  
NIT Rourkela

**PROF. ANSHUMAN PATRA**  
Member

Intellectual Property Innovation Centre (IPIC)  
NIT Rourkela

## About Intellectual Property Innovation Centre (IPIC), NIT Rourkela

The IPIC primarily aims to create awareness, establish appropriate principles and provide a conducive environment to all the employees and students of the institute for creation, protection, ownership, and management of intellectual property rights and stimulate innovation among students. The day-to-day activities pertaining to invention disclosure, patent filing, licensing, technology transfer, and commercialization are handled by IPIC team.

### About the Workshop

Filing of a patent is significant in the technology era to safeguard ideas and to get economic benefits. The workshop is intended to provide a complete guidance on Intellectual property rights. The event is aimed to provide the basic understanding about the importance of patent filing, techno-legal perspective of a patent to be granted. Moreover, the concept of writing a patent application, the overall sequence from filing a patent to granting, commercial aspect of a patent will be discussed in the workshop. In general the workshop is projected to develop the awareness and encouragement among the researchers to file a patent.

### RESOURCE PERSON

#### CHIEF GUEST



**Prof. Padmavati Manchikanti**  
IIT Kharagpur



**Dr. T Pavan Kumar**  
Principal Scientist, CSIR-IMMT



**Mr. Dhiren Pattanaik**  
Asst. Controller (P&D)  
IPO, Kolkata



**Mr. Kshitij Malhotra**  
Patent Attorney, Global IP India

## Important Guidelines

The registration details for the workshop are as follows:

CATEGORY	REGISTRATION FEES (INR) (Including GST)
Students (UG/PG/Ph.D)	250
Faculties	500
R & D Labs (Scientist)	750
Start Ups/Industries	1000

- There is no registration fee for the participants from the host Institute (NIT Rourkela).
  - E-certificates will be provided to the participants.
  - The event will be online for the external participants.**
- Registration Link :

<https://forms.gle/QnGPmkKDvN9QPSSL8>

**LAST DATE OF REGISTRATION: 2<sup>ND</sup> SEPTEMBER, 2025**

### Payment Details

**CONTINUING EDUCATION, NIT  
ROURKELA**

Account Number : 10138951784

IFS Code : SBIN0002109

MICR Code : 769002007

Bank Name : State Bank of India

Branch Name : NIT Rourkela Campus

Complete Branch Address : NIT  
Campus, Rourkela, Odisha - 769008



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