

**Dr.Mahalingam College of Engineering and Technology, Pollachi**  
**Office of Dean Research & Innovation**  
**Patent Drafting Workshop Report**

**Conducted Date:** 1.12.2022 to 14.12.22

**Total Hours: 30.30 Hrs**

**Resource person:** Dr. P. Sathiyamurthi – AP(SG)/IT

**Number of Participants: 32**

**About the workshop**

Office of Dean R&I organizes “Patent Drafting” workshop during 01/12/2022 to 14/12/2022. This workshop was conducted for faculty members who are interested in patent drafting. This workshop provided an ideal platform for participants to discuss the searching and drafting patent.

**Workshop Schedule:**

Group-1: CSE, IT and AIDS – 8 Patents

Group-2: Mech, Auto and Civil – 8 Patents

Group-3: ECE, EEE, EIE and S&H – 8 Patents

Venue: A518 Data Science Lab

S.No	Date and Time	Participants	Activity Planned
1.	1.12.22; 2.00PM to 4.15PM	All	Overview and Training on Patent Search
2.	5.12.22; 9.30AM to 12.45PM	All	Training on Patent draft
3.	6.12.22; 9.30AM to 11.00AM	Group-1	1. Practicing the draft on Title, Abstract and Field of invention. 2. Verification and validation
4.	6.12.22; 11.30AM to 1.00PM	Group-2	
5.	6.12.22; 2.30PM to 4.00PM	Group-3	
6.	7.12.22; 9.30AM to 11.00AM	Group-1	Practicing the draft on 1. Background Art 2. Summary of Invention 3. Brief description of drawings 4. Drawings
7.	7.12.22; 11.30AM to 1.00PM	Group-2	
8.	7.12.22; 2.30PM to 4.00PM	Group-3	
9.	9.12.22; 9.30AM to 11.00AM	Group-1	Practicing the draft on Claims
10.	9.12.22; 11.30AM to 1.00PM	Group-2	
11.	9.12.22; 2.30AM to 4.00PM	Group-3	
12.	13.12.22; 9.30AM to 11.00AM	Group-1	Verification of complete specification
13.	13.12.22; 11.30AM to 1.00PM	Group-2	
14.	13.12.22; 2.30AM to 4.00PM	Group-3	
15.	14.12.22; 9.30AM to 4.30PM	All	Filing of IPO forms and IPO office procedure

## Day 1: 1.12.22 (2.00PM to 4.15PM)

Dr.S.Ramakrishnan, HoD/IT and Dean R&I gave the Inaugural address and welcomed the resource person and the participants for the workshop. He specially mentioned and thanked Dr. C. Ramaswamy, Secretary and Dr. P. Govindasamy, Principal for their constant support in organizing the workshop. During his inaugural address, he wishes everyone to utilize this session to its fullest potential and learn about "Patent Drafting".

## I. Overview and Training On Patent Search

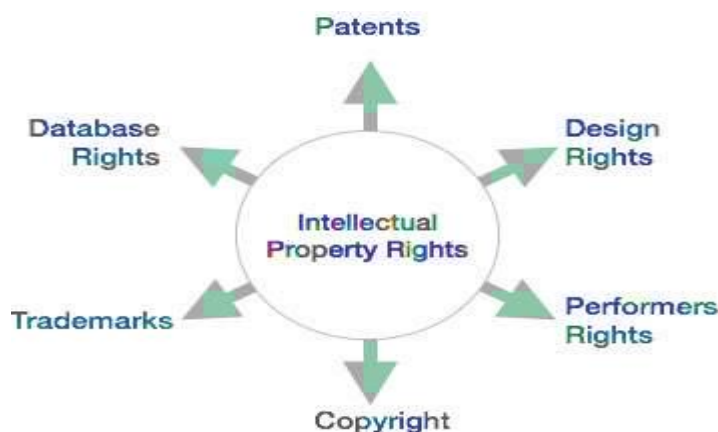
### Intellectual Property Rights (IPR) & Patent Draft

#### Intellectual Property

- Intellectual Property (IP) refers to any intellectual creation of mind.
- IP laws give people the right to own and profit from their artistic, scientific and technological creations for a designated period of time.
- Inventors are granted to a variety of intangible assets such as ideas, business methods, inventions, musical piece, literary work, artistic works, discoveries, words, phrases, symbols, designs, new article, composition of matter, machine, process or any other value addition to the above said.

#### Various forms of IP

- Patents
- Trademarks
- Copyright
- Industrial Designs
- Geographical Indication
- Trade Secrets



#### Benefits of IPR

Intellectual property rights are advantageous in the following ways:

- Provides exclusive rights to the creators or inventors.
- Encourages individuals to distribute and share information and data instead of keeping it confidential.

- Provides legal defense and offers the creators the incentive of their work.
- Helps in social and financial development.

### How to convert projects into IPR?

- Step 1: Write down the invention (idea or concept) with as much details as possible
- Step 2: include drawings, diagrams or sketches explaining working of invention
- Step 3: check whether the invention is patentable subject matter
- Step 4a: Patentability search (Web search)
- Step 4b: Decide whether to go ahead with patent
- Step 5: Draft (write) patent application
- Step 6: Publication of the application
- Step 7: Request for examination
- Step 8: Respond to objections if any
- Step 9: Grant of patent

### Patent Office Procedure

ADDRESS	TERRITORIAL JURISDICTION
<b>Patent Office, Chennai</b> <b>Intellectual Property Building</b> <b>G.S.T. Road, Guindy Chennai</b>	<b>The states of Andhra Pradesh, Karnataka, Kerala, Tamil Nadu and the Union Territories of Pondicherry and Lakshadweep.</b>
<b>Patent Office, Delhi</b> <b>Boudhik Sampada Bhawan Plot No.32,</b> <b>Sector-14, Dwarka New Delhi</b>	<b>The states of Haryana, Himachala Pradesh, Jammu and Kashmir, Punjab, Rajasthan, Uttar Pradesh, Utaranchal, National capital territory of Delhi and the Union Territory of Chandigarh.</b>
<b>Patent Office, Mumbai</b> <b>Boudhik Sampada Bhawan</b> <b>S.M. Road, Antop Hill Mumbai</b>	<b>The states of Gujarat, Maharashtra, Madhya Pradesh, Goa, Chattisgarh, the Union Territoies of Daman and Diu and Dadra and Nagar Haveli</b>
<b>Patent Office, Kolkata (HO)</b> <b>Boudhik Sampada Bhawan</b> <b>CP-2, Sector V, Salt Lake City,</b> <b>Kolkata – 700 091</b>	<b>Rest of India.</b>

### Commercialization of IPR

**Important tools by which owners may commercialize their intellectual property:**

- **Start Industry**
- **Assignment**
- **License**

**Day 2: 5.12.22; 9.30AM to 12.45PM**

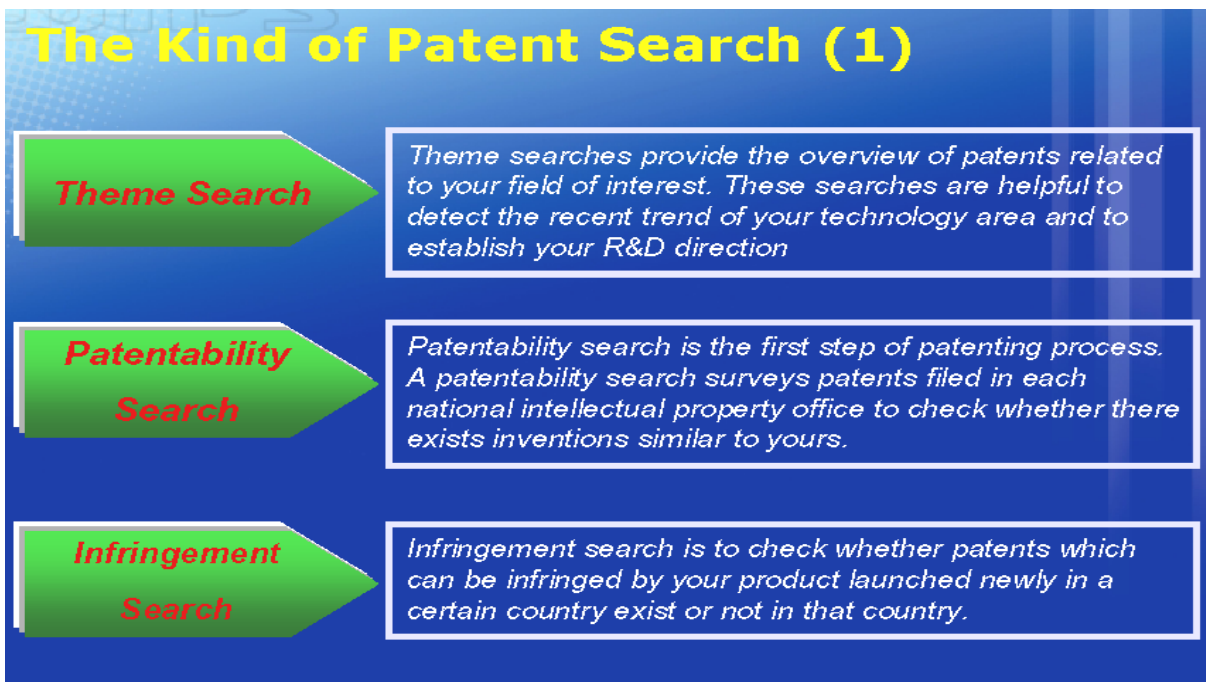
## **II. Training on Patent draft**

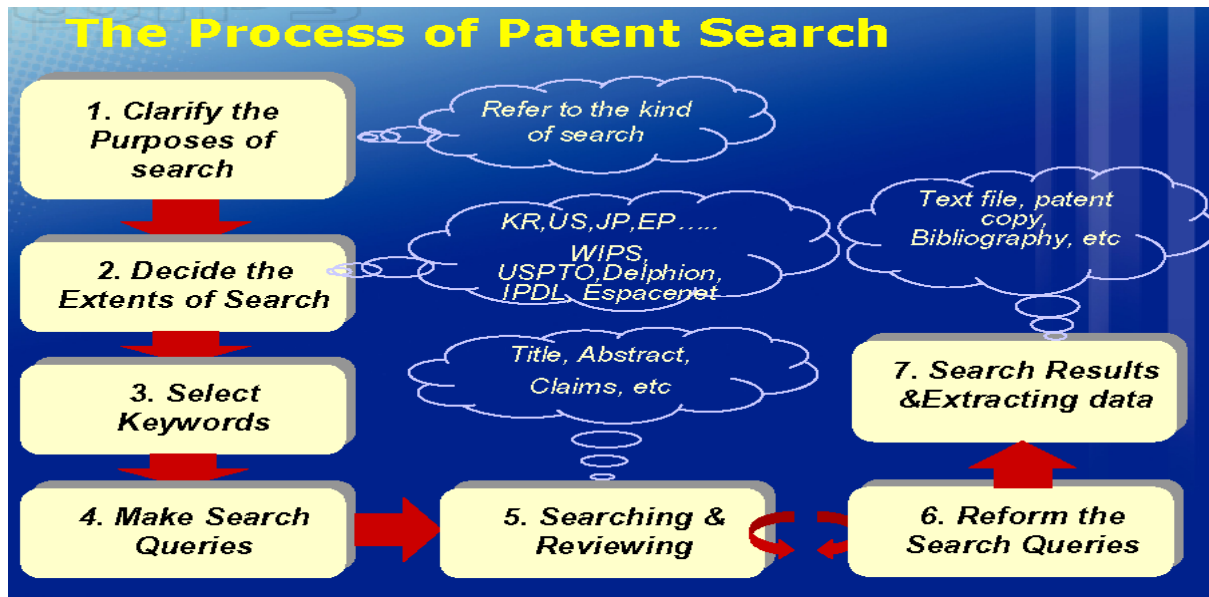
To uncover what has been done before:

- Determine if the idea warrants the time and expense of filing for a patent.
- Also, provides background information for writing the patent application and helps shape the scope of the claims.

### **Website: search**

- Google Patent  
<http://patent.google.com>
- Indian Patent Search  
<https://ipindiaservices.gov.in/publicsearch>
- WIPO : PATENTSCOPE® search service  
<http://www.wipo.int/patentscope/search/en/search.jsf>
- European Patent Office  
<http://ep.espacenet.com>
- USPTO  
<http://patft.uspto.gov>





**Day 3: 6.12.22; 9.30am to 4.00pm**

### 1. Practicing the draft on Title, Abstract and Field of invention.

#### Title:

- i. Title should be sufficiently indicative of the inventive features of the invention.
- ii. It should be precise, meaningful and should not be more than 15 words

Examples:

- a. Folding chair
- b. Improved folding chair
- c. Multi-purpose machine
- d. Weighing apparatus for visually challenged
- e. Herbal hair care composition

#### Abstract:

- i. It constitutes an efficient tool for the purposes of searching in the particular technical field, in particular by making it possible to access whether there is a need to check with the specification itself
- ii. This section should start with the title of the invention and should not be more than 150 words
- iii. Feature of the invention when mentioned in the abstract should contain the reference number accorded to that feature in the drawing
- iv. Where necessary, the abstract shall contain the chemical formula, which characterizes the invention

#### Field of invention

- i. General statement of the invention to describe what field the invention belongs to indicate scope
- ii. Brief the subject matter to which the invention relates
- iii. Field of invention starts with, "The present invention relates to ....."
- iv. Advantages of the invention may be mentioned to bring out clearly the areas of application and preferable use of the invention

#### Verification and validation

The resource person validated and approved the abstract.

#### **Day 4: 7.12.22 (9.30AM to 4.00PM)**

##### **III. Practicing the draft on**

###### **1. Background Art**

- i. Describe the state of the art in the particular technical area to which the patent relates and what problems remain to be solved or disadvantages accompanying the prior art solutions
- ii. This part should indicate the status of the technology in the field of invention with reference to developments in the field.

###### **2. Summary of Invention**

1. The description should include a summary of invention before giving the details of the invention and the method of performing it.
2. The statement should clearly set forth the distinguishing novel features of the invention for which protection is desired.
3. This part is intended to declare different aspects of the invention

###### **3. Brief description of drawings**

1. This section will refer to all the figures in 'Drawing' part of the specifications
2. A brief discussion is presented as to the embodiments depicted by each of the figures
3. The invention is described visually with the help of patent drawings
4. Drawings are made using structures of chemical or mechanical, charts and graphs depending upon the technology

###### **4. Drawings**

#### **Day 5: 9.12.22 (9.30AM to 4.00PM)**

##### **IV. Practicing the draft on Claims**

- The specification is also called as Disclosure
- Purpose is to convey to the public what the patentee considers being his invention (BODY) and what monopoly he/she has to obtain (CLAIMS).

#### **Day 6: 13.12.22 (9.30AM to 4.00PM)**

##### **V. Verification of complete specification**

Complete Specification of Patent is a techno-legal document which particularly and fully describes the invention and also discloses or reveals the best technique of performing the invention.

#### **Day 7: 13.12.22 (9.30AM to 4.30PM)**

##### **VI. Filing of IPO forms and IPO office procedure**

Provide training on filling a form 1 to 30.

##### **VII. Outcomes**

Faculty members of Mechanical Engineering, Automobile Engineering, Computer Science and Engineering, Information Technology, Civil Engineering, Chemistry and Electrical and Communication Engineering gain knowledge on patent and will be going to draft a patent.

##### **Valedictory Address:**

Dr.S.Ramakrishnan, HoD/IT and Dean R&I winded up the session with a Vote of Thanks. He extended his gratitude of thanks to the Management. Resource Person, Department of IT and all participants for the successful completion of Workshop. During the valedictory time, feedback was collected from all the participants. Participants shared positive views about the workshop.

Screenshots:



*S. Prakash*

Dean R&I

*Prakash*

Principal

-Sd-

Secretary