



Annual Report

2021-22

Project:

Sensitization of students/researchers/faculty members about taking research work from the laboratory to Patent Office and then to market through interactive ‘Short Animated Video and Flyer.

Dr. Oinam Santosh Meetei

Scientific Officer

DST-Centre for Policy Research

Panjab University, Chandigarh

&

Ms. Mamta Bhardwaj

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DST-Centre for Policy Research

Panjab University, Chandigarh

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Title of the Project:

Sensitization of students/researchers/faculty members about taking research work from the laboratory to Patent Office and then to market through interactive 'Short Animated Video and Flyer.

Brief Aim & Objectives of the Project:

The development of any nation and to compete in the stiff competition in technology and trade depends upon innovations and creativeness. Around the world, innovation is gaining prominence in all kinds of economic activity where intellectual property rights (IPRs) equally contribute to the development of a nation. The National Intellectual Property Rights (IPR) Policy of India also seeks to create public awareness about economic, social and cultural benefits. However, India's IPR policy has been far from satisfactory due to lack of awareness among all the sections of society.

The Centre for Policy Research (CPR) has been established by the Department of Science and Technology (DST), New Delhi, GoI with the mandate of developing an effective model for public-private partnership (PPP) and promotion of IPR generation in India. To fulfill the mandate, the centre has conducted various case studies on research publications and patents (filed & granted) ecosystem of higher educational institutions and national research labs in India. After these studies, it was found that a handful of the institutes and universities are performing well in both parameters (research publications & Patents filing/granted), whereas, most of the institutions are lacking in patents profile despite the fact that the researchers in those institutions were doing good research and are publishing credible number of papers. In the case studies conducted by the centre, it was found that the major reason for the poor IP ecosystem in educational institutions was the lack of awareness on IP issues. Therefore, this project has been taken up to create awareness among the students and faculty of the University.

OBJECTIVES:

- Creation of a Flyer/Poster on major steps involved in patent filing from the Panjab University to be circulated in all departments and affiliated colleges.
- Creation of interactive animated video on the proper channel of patent filing from the university.
- The same awareness model can be replicated in other universities of India too to make researchers IP savvy.

SCIENTISTS WORKING ON THE PROJECT:

1. Dr. Oinam Santosh Meetei (Scientific Officer)
2. Ms. Mamta Bhardwaj (Sr. Scientist-C)

Motivation behind the Project:

In the previous studies conducted by DST-CPR, it was found that researchers in the universities and higher education institutes are not aware of the process and steps involved in patent filing.. In the questionnaire-based study, it was also found that the process of patent filing is very complicated and time-consuming which ultimately ends up with publishing their research in the public domain to fulfill their Ph.D. completion requirements.

Additionally, after doing preliminary internal research within Panjab university, it was found that there is a need to sensitize researchers about the proper channels of patent filing. Even the maximum of the researchers was not aware of the existing IP Cell within the premises. So, to execute this task, the DST-CPR wishes to make a very interactive animated video and flyer pertaining to all the details, from patent filing to its commercialization from Panjab University and its affiliated collages.

Work Undertaken:

- *Scrutinizing the official websites of various universities/institutions to find out if they have such a mechanism or any flowchart/flyer/video of the patent filing process from the respective university. It was found that most of the universities/institutions provide an IPR policy manual but no detailed procedures on how to file a patent. Some of the universities/institutions provide direct links for the submission of the patent application form. Only very few of them have described the process in the form of a short flow chart or as a brief write-up (**Annexure I**).*
- *Meetings with university professors and researchers who have the experience and knowledge of filing the patent from Panjab University and through PSCST-PIC, Chandigarh (**Annexure II**).*
- *Discussion with Patent Agents and former research scholars (**Annexure II**).*
- *Scrutinizing Centre for Industry Institute Partnership Programme (CIIPP) at Panjab University website and IPR Manual and Policy of the university. Taken from the manual, the details on how to file a patent through CIIPP have been updated in the DST-CPR official website under the category IP Corner (<https://cpr.puchd.ac.in/ip-cell-panjab-university/>) (**Annexure III**).*
- *Webinars and Workshops conducted by our Centre for sensitization of IP domain and the related information were edited and uploaded to the official YouTube page of the Centre (**Annexure IV**).*

Future Work/Tentative Timeline:

- *Scrutinizing the official websites of universities/institutions of the northern region of India is completed. Further surveys for other remaining regions of India will be conducted.*
- *IP-related brochures will be prepared and distributed to the University.*
- *An article is under preparation, titled “Need of sensitizing research about IP filing from the Universities: An illustration through graphic representation.”*

Desirable Outcomes/Deliverables:

- Awareness of IP filing and its importance among the students/researchers.
- Enhancing the translational research ecosystem through awareness
- Promoting IP filing ecosystem in Indian universities and Higher educations
- Base Model to be adopted in other universities/higher educational institutes in India
- Guiding research scholars to wisely decide the research topic to work upon, that have industrial benefits
- With proper awareness, research scholars will work with precision to make high impact research topics and generate patents and technologies
- Research scholars with proper awareness will help in the dissemination of knowledge to the masses
- Through proper guidance and awareness, the researchers in the education sector in India can lead the country to become one of the top nations in patents filed by residents.

Network/Collaborations Developed/To be Developed:

Potential partners may be:

1. CIIPP, Panjab University, Chandigarh
2. CIPAM, DPIIT, New Delhi

Annexure I

Survey Report on various Universities and Institutes of Northern Region of India regarding sensitization status of Patent in the respective official website.

***NIL signifies for no information provided regarding patent filing system in the official website.**

I. Jammu			
	Universities / Institutes	State/ Central	Sensitization Status
1.	University of Jammu, Trikuta, Tawi Jammu	State	NIL
2.	Baba Ghulam Shah Badshah University, Rajouri, Jammu	State	NIL
3.	Central University of Jammu, Samba	Central	Provides registration form in the official website for filing patent (https://www.cujammu.ac.in/Default.aspx?selrecid=168&type=printselsearch&prvtyp=site&option=s&fromtbl=article)
4.	Sher-e-Kashmir University of Agricultural Sciences and Technology (SKUAST), Chatha, Jammu	State	NIL
5.	Shri Mata Vaishno Devi University, Katra, Jammu	State	IP Management committee provides a facility through Google form using the organization platform
6.	Indian Institute of Integrative Medicine, Jammu	Central	NIL
7.	All India Institute of Medical Sciences, Vijaypur, Jammu	Central	NIL
8.	Indian Institute of Technology Jammu, Jagti	Central	NIL
9.	Jammu Institute of Ayurveda and Research (JIAR), Nardani Bajwan, Jammu	State	NIL
10.	Regional Ayurveda Research Institute, Rajinder Nagar Bantalab, Jammu.	State	NIL

II. Kashmir			
	Universities / Institutes	State/Central	Remarks
1.	University of Kashmir, Hazaratbal, Srinagar	State	NIL
2.	Sher-e-Kashmir University of Agricultural Sciences and Technology	State	IPR Policy manual is available on the website but no detailed

	(SKUAST) Kashmir, Shalimar, Srinagar		procedures on how to file a patent.
3.	Sher-i-Kashmir Institute of Medical Sciences, Soura, Srinagar	State	NIL
4.	Islamic University of Science and Technology, Awantipora, Kashmir	State	NIL
5.	Central University of Kashmir, Ganderbal	Central	NIL
6.	Cluster University of Srinagar, Jawahar Nagar, Srinagar	State	NIL
7.	National Institute of Technology Srinagar, Hazratbal	Central	IPR Policy manual is available on the website but no detailed procedures on how to file a patent.
8.	National Institute of Fashion Technology, Srinagar Campus, Rangreth	Central	IPR Policy manual is available on the website but no detailed procedures on how to file a patent.
9.	Central Institute of Temperate Horticulture (ICAR), Rangreth, Srinagar	Central	IPR Policy manual is available in the website but no detailed procedures on how to file a patent.
10.	State Forest Research Institute, Sonwar, Srinagar	State	NIL

III. Ladakh

	Universities / Institutes	State/Central	Remarks
1.	DRDO (DIHAR- Defence institute of High Altitude research), Leh	Central	IPR section is available on the website with proper information (https://www.drdo.gov.in/ipr)
2.	University of Ladakh- Leh Campus, Taruthang; Kargil Campus – Khumbathang	UT (State)	NIL
3.	CIBS (Central Institute of Buddhist Studies), Choglamsar, Leh	Central	NIL

IV. Himachal Pradesh

	Universities / Institutes	State/Central	Remarks
1.	Abhilashi University, Chail Chowk, Mandi	Private	NIL
2.	APG Shimla University, Shimla	Private	NIL
3.	Arni University, Kathgarh, HP	Private	NIL

4.	Baddi University of Emerging Sciences and Technologies, Baddi	Private	NIL
5.	Bahra University, Wagnaghat, Solan	Private	NIL
6.	Career Point University, Hamirpur	Private	NIL
7.	Chaudhary Sarwan Kumar Himachal Pradesh Krishi Vishvavidyalaya, Palampur	State	IPR Policy Manual is available in the website but no detail procedure on how to file a patent
8.	Central University of Himachal Pradesh, Dharamsala	Central	NIL
9.	Chitkara University, Himachal Pradesh, Kalujhinda, Solan	Private	NIL
10.	Dr. Yashwant Singh Parmar University of Horticulture and Forestry, Nauni, Solan	State	NIL
11.	Eternal University, Baru Sahib	Private	NIL
12.	Himachal Pradesh University, Summer Hill, Shimla	State	NIL
13.	Himachal Pradesh Technical University, Hamirpur	State	NIL
14.	IEC University, Kalujhanda, Solan	Private	NIL
15.	ICFAI University, Kalujhinda, Solan	Private	NIL
16.	Indus International University, VPO Bathu, Haroli Una	Private	NIL
17.	Jaypee University of Information Technology, Wagnaghat	Private	Proper IPR cell is available on the website and patent filing is provided through a form. https://www.juit.ac.in/ipr-patent-filing-forms
18.	Shoolini University, Bajhol, Solan	Private	Top 3rd University in IPR filling but proper IPR cell information is absent on website.
19.	National Institute of Technology, Hamirpur	Autonomous	IPR Policy Manual is available on the website but no detailed procedure on how to file a patent
20.	Indian Institute of Technology Mandi, Mandi	Autonomous	NIL
21.	Indian Institute of Information Technology Una, Haroli	Autonomous	NIL
22.	Indian Institute of Management Sirmaur, Paonta Sahib, Sirmaur	Central	NIL
23.	National Institute of Fashion Technology, Kangra	Central	NIL

24.	CSIR - Institute of Himalayan Bioresource Technology, Palampur, Kangra	Central	NIL
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V. Haryana			
	Universities / Institutes	State/Central	Remarks
1.	CCS Haryana Agricultural University, Hisar	State	NIL
2.	Guru Jambheshwar University of Science and Technology, Hisar	State	IPR Policy Manual is available on the website but no detailed procedure on how to file a patent
3.	Maharshi Dayanand University, Rohtak	State	IPR cell committee is available on the website but no detailed procedure on how to file a patent
4.	Maharishi Markandeshwar University, Mullana, Ambala	State	IPR wings is available on the website but no detailed procedure on how to file a patent
5.	National Dairy Research Institute, Karnal	Central	NIL
6.	National Institute of Technology, Kurukshetra	Central	IPR Policy Manual is available on the website but no detailed procedure on how to file a patent
7.	Amity University, Haryana, Pachgaon	Private	The Patent team of Sanshadow Consultants Pvt Ltd (SSCPL) provides the following IPR services at Amity University
8.	Central University of Haryana, Mahendragarh	Central	IPR cell is available on the website but no detailed procedure on how to file a patent
9.	Kurukshetra University, Kurukshetra	State	IPR Policy Manual is available on the website but no detailed procedure on how to file a patent
10.	National Brain Research Centre, Manesar, Gurgaon	Central	IPR Policy Manual is available on the website but no detailed procedure on how to file a patent
11.	Baba Mastnath University, Asthal Bohar, Rohtak	Private	NIL

12.	ICAR-Central Institute of Fisheries Education, Lahli, Rohtak	Central	NIL
13.	Lala Lajpat Rai University of Veterinary and Animal Sciences, Hisar	State	IPR wing is available on the website but no detailed procedure on how to file a patent
14.	Central Soil Salinity Research Institute (CSSRI), Karnal	Central	NIL

V. Punjab			
	Universities / Institutes	State/Central	Remarks
1.	Central University of Punjab, Bathinda	Central	IPR cell is available and allowed to file through a form available on the website.
2.	Punjabi University, Patiala	State	IPR cell is available on the website with all the required documents to file a patent but no detailed procedure on how to file a patent
3.	Guru Nanak Dev University, Amritsar	State	IP cell is available on the website which provides objectives of IPR and person to contact but no proper details on how to file a patent.
4.	Punjab Agricultural University, Ludhiana	State	NIL
5.	Punjab Technical University, Kapurthala	State	NIL
6.	Maharaja Ranjit Singh Punjab Technical University, Bathinda	State	IP cell is available on the website which provides objectives and vision of IPR and but has no proper details on how to file a patent.
7.	Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana	State	NIL
8.	Guru Ravidas Ayurved University, Kharkan, Hoshiarpur	State	NIL
9.	National Agri-Food Biotechnology Institute, Mohali	Autonomous Institution	NIL
10.	Indian Institute of Science Education and Research, Mohali, Sector -81	Autonomous Institution	NIL

11.	National Institute of Pharmaceutical Education and Research, S.A.S. Nagar, Mohali	Autonomous Institution	IPR Policy Manual is available in the website but no detail procedure on how to file a patent
12.	Dr. B R Ambedkar National Institute of Technology, Jalandhar	Autonomous Institution	IPR Policy Manual is available in the website but no detail procedure on how to file a patent
13.	Indian Institute of Technology, Ropar, Rupnagar	Autonomous Institution	IPR cell is available in the website and simple steps are provided on how to file a patent https://sites.google.com/site/ropariprcell/how-to-file-an-ipr
14.	Institute of Nano Science and Technology (INST), Mohali	Autonomous Institution	NIL
15.	Lovely Professional University, Chaheru, Phagwara	Private	IPR Policy Manual is available on the website but no detailed procedure on how to file a patent
16.	Thapar Institute of Engineering and Technology, Patiala	Private	IPR Policy Manual is available on the website but no detailed procedure on how to file a patent
17.	Chandigarh University, Gharuan, Mohali	Private	NIL
18.	Chitkara University, Rajpura, Punjab	Private	IPR Manual is available on the website on how to file a patent
19.	Rayat-Bahra University, Sahauran, Mohali	Private	NIL
20.	RIMT University, Mandi Gobindgarh	Private	NIL
21.	Sant Baba Bhag Singh University, Khiala, Jalandhar	Private	NIL
22.	Sri Guru Granth Sahib World University, Fatehgarh Sahib	Private	NIL
23.	Sri Guru Ram Das University of Health Sciences, Qila Jiwan Singh, Amritsar	Private	NIL

VI. Chandigarh			
	Universities / Institutes	State/Central	Remarks
1.	Panjab University, Sector -14, Chandigarh	State	IPR Policy Manual is available on the CIIPP cell website of the university but no detail and simple procedure on how to file a patent
2.	CSIR- Central Scientific Instruments Organization, Sector - 30C	Central	NIL
3.	CSIR- Institute of Microbial Technology, Sector - 39A	Central	NIL
4.	DRDO- Terminal Ballistics Research Laboratory, Sector - 30	Central	NIL
5.	Postgraduate Institute of Medical Education and Research (PGIMER), Sector-12	Autonomous	NIL
6.	Punjab Engineering College (PEC) University of Technology, Chandigarh	State	NIL

Minutes of Meeting

DST-Centre for Policy Research (CPR) at Panjab University (PU), Chandigarh

Date: 2nd December 2020

Objective: *Preparation of a detailed and interactive 'Flyer' and 'Animated Video, to sensitize researchers in Panjab University about the proper channels of taking the research work from the lab to Indian Patent Office.*

Minutes: A short meeting was held at the CPR regarding the implementation strategy of the above-mentioned objective. This meeting was in continuation of the previous meeting which was conducted with Prof. O P Katare in the UIPS on 27th November 2020. In that meeting, Prof. Katare gave his inputs for the execution of the aforesaid objective and also introduced the Coordinator of DST-CPR Prof. C Nirmala and scientific staff (Ms. Mamta Bhardwaj & Dr. Santosh Oinam) with Dr. Kavita Bansal. Prof. Katare had recommended that being a registered 'Patent Agent' CPR should include Dr. Kavita in this task. Moreover, she has knowledge and exposure of patent filing through the university and also for the inventors from the university. The meeting on 2nd November was attended by Ms. Mamta Bhardwaj, Dr. Santosh Oinam and Dr. Kavita Bansal. The discussion started with the basics of IP filing and what is the channels of the patent filing and technology transfer in the university. Dr. Kavita shared her experience of patent filing with the staff. Being a research scholar of the university and having the experience of patents filing she briefed about the process of patent filing from the Panjab University which is as mentioned below:

I) If the inventor wishes to file the patent through CIIPP

Step-1: The inventor will write the proposal in the letterhead of the Guide/PI. The proposal will contain the following details:

- Abstract
- Request for prior art search and patentability criteria
- Particulars of the inventors

Note: The proposal can be submitted in the invention disclosure form (IDF) given in the manual

Step-2: The inventor will approach the CIIPP with the proposal and then CIIPP will accept the proposal and will provide a specific (official register record) number to the inventor.

Step-3: After getting the number, the proposal will be either forwarded from CIIPP in a closed envelope or inventor can directly visit and submit at the PIC-PSCST, Sector-26, Chandigarh. The PSCST will ask the inventor to submit the requisite fee i.e. Rs. 2500 at the accounts wing

of the council. After the submission of the fee, the inventor will receive a receipt after which PIC will initiate the prior art search and patentability criteria.

Step-4: At the CIIPP, the inventor will have to submit the fee receipt for the reimbursement purpose. Once the fee receipt is deposited, CIIPP will initiate the process of refund. The amount will be credited to the bank account of the Guide/PI and he/she will give the amount to the inventor (whosoever had borne this fee) once credited.

Step-5: PIC will prepare a report and a questionnaire after the completion of prior art search and patentability. PIC will communicate the same to CIIPP and the inventor or concerned department of the inventor.

Step-6: After assessing that report (which may be assessed by the IPR Committee' of the university), the inventor and committee will decide that if he/she should proceed with the further process of patent filing. If the inventor/committee and the committee feel deem fit the invention for patents filing, the inventor can go to PIC with the filled questionnaire for submission.

Note: If inventor/committee thinks that patent filing for this invention is not a good decision because of the issues mentioned in the report, he can further try to improve the invention by dropping the idea of patent filing for the time being.

Step-7: After preparing the case of the patent filing, PIC will submit the case to TIFAC for further processing.

Step-8: Then TIFAC will study the case and within a particular time frame TIFAC will notify the PIC if they are going further for filing this patent at Indian patent Office or not.

Step-9: If TIFAC agrees to take forward the case, they will provide him/her the list of Attorneys. After TIFAC approved the case, they will send a list of attorneys to the inventor and the inventor has to decide whom to choose accordingly for which he or she can request help from the mentor. Forms will be filled by the attorney after discussing all the details with the inventor.

Step-10: Once the Attorney is finalized, he will make the application and will do all the procedures required for the filing of the patent. The inventor has to give the Attorney 'Power of Authorization' in writing by filling 'FORM-26'.

The rest of the fee will be borne by TIFAC only whether it is the examination fee, Attorney's fee or any other. The inventor does not need to pay any other fee except Rs. 2500 in the starting for the request of prior art search which is also later reimbursed from CIIPP. Moreover, TIFAC will pay the maintenance fee for the first 10 years if they find commercial benefits of the invention.

II) If the inventor wishes to file the patent through Private Attorney

If the inventor chooses to file application through the paid consultants, a separate fund has been created by CIIPP of Rs. 50,000. The inventor can use this amount for the following services:

- Filing fee
- Attorney's fee towards patent drafting
- Attorney's fee for replying to the examiner's objection
- Patent examination fee
- Microbial Culture fee
- Maintenance fee

There are the following conditions to avail Rs. 50,000 financial support:

- It is mandatory to process the application through CIIPP
- The inventor does not have any financial assistance available
- The invention has some commercial value as per the recommendation of the advisory committee of the IPR cell.

This financial support can also be given to the affiliated colleges of the university providing they will have to make Panjab University one of the assignees.

After discussion, it was decided that:

1. DST-Centre for Policy Research will organize a special webinar for the university students to sensitize them about the importance of filing the patent and what parameters they should consider for choosing the research topic for their PhD.
2. DST-Centre for Policy Research will draft a proposal for incorporating Private Attorney may be on the case to case basis or a permanent attorney can be placed in the university. By doing this, the patent filing process will get faster without spending extra money.
3. Dr. Kavita will guide the scientists of DST-Centre for Policy Research in the above mentioned objective.



DST-CENTRE FOR POLICY RESEARCH PANJAB UNIVERSITY, CHANDIGARH

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Intellectual Property Cell Panjab University

What is Intellectual Property?



According to World Intellectual Property Organization (WIPO) intellectual property (IP) refers to creations of the mind, such as inventions; literary and artistic works; designs; and symbols, names and images used in commerce. (<https://www.wipo.int/about-ip/en/>)

Broadly Intellectual Property Rights are..

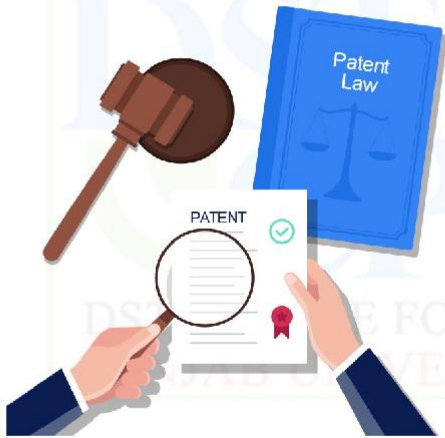
(i) Copyright and related rights Copyrights and Related Rights 'refer to the creative expressions in the fields of literature and art, such as books, publications, architecture, music, wood/stone carvings, pictures, portraits, sculptures, films and computer-based software's/databases.

(ii) Industrial property.

The Industrial Property Rights 'refer to the Patents, Trademarks, Trade Secrets, Industrial Designs and Geographical Indications, etc.



What is Patent?



A patent is one of the categories of intellectual property, which gives the owner (*of a product or process*) the legal rights to exclude others from making, using, or selling it for a limited period of years (20 years in India), in exchange of disclosing the invention in public domain

Who can file a patent?

A patent application can be filed either by true and first inventor or his assignee, either alone or jointly with any other person. However, legal representative of any deceased person can also make an application for patent.



Why is it important for a research scholar to file a patent?



Filing a patent of an innovative invention or idea of a research scholar will protect intellectual property right and can earn royalty through commercialization.



Panjab University IP Cell

Panjab University provides facilities to file patent free of cost through IP cell of the university namely the Centre for Industry Institute Partnership Programme (CIIPP- <https://ciipp.puchd.ac.in/>).



To know the process of filing patent through Panjab University follow the link: <https://cpr.puchd.ac.in/filing-patent-at-panjab-university/>

For more information on Centre for Industry Institute Partnership Programme (CIIPP) follow link: <https://ciipp.puchd.ac.in/>

Vector source: <http://www.freepik.com>

Filing Patent at Panjab University

APPLICATION INITIATION

STEP 1

Inventor(s) has to fill INVENTION DISCLOSURE FORM (IDF) and submit to Director, CIIPP.



Anonymous-1
(On letter head of supervisor/PI/HoD)
INVENTION DISCLOSURE FORM (IDF)

Name of inventor(s):
Address:
Telephone:
Fax:
E-mail:

Name of Invention:

Brief Description:

Details of the Invention:

Alternatives:

Alternate Use:

Limitations:

State of the Art:

Date of Invention:

Signed:
Date:
Read, witnessed and understood:
Date:

STEP 2

It is advisable to fill IDF under the supervision of the supervisor/guide/PI/HoD

With the consent of supervisor, IDF should be forwarded on the letterhead of supervisor/guide/PI/HoD



STEP 3

Approach Director, Centre for Industry Institute Partnership Programme (CIIPP), along with the final filled IDF and consent of your supervisor

Make a request to forward the application to Patent Information Centre (PIC), Panjab State Council for Science and Technology (PSCST), Sector 26, Chandigarh, outlining the wish to file a patent application.



STEP 4

The application will be processed by the Director, CIIPP as per the IPR Policy of Panjab University, Chandigarh.



Once application is processed, an official letter number will be assigned to your application.



NOVELTY SEARCH

STEP 5

Director CIIPP will forward the application to Patent Information Centre (PIC), Panjab State Council for Science and Technology (PSCST) for novelty/prior art search.



Or you can request Director, CIIPP to submit your application by yourself to PIC, PSCST, Sector 26, Chandigarh.

STEP 6

Submission of application at PIC, PSCST for novelty search is a paid service.

As per the guidelines, PIC will charge fee for novelty search as follows:

- Rs. 1,500 for Graduate & Post Graduate Degree Colleges, Government Department and Individuals.
- Rs. 2,500 for Universities/Engineering Colleges/ Other institutions of higher learning and industries.



STEP 7

The fee should be submitted either in demand draft in favour of Panjab State Council for Science & Technology, Chandigarh.



Or may deposit the same in cash in the accounts wing of PSCST along with the application form forwarded from CIIPP.



Once the fee has been deposited, the original receipt will be issued by PIC, PSCST.



FEE REIMBURSEMENT

STEP 8

As per the university policy, fee deposited for novelty search is refundable. The inventor or the supervisor has to make a request for the fee reimbursement to CIIPP.

The request has to be submitted along with the original fee receipt to the Director, CIIPP.

The amount will be credited to the supervisor's bank account once completely verified by the CIIPP.



NOVELTY REPORT

STEP 9

The novelty report generated by the PIC, PSCST, will be forwarded directly to the inventor(s) and Director CIIPP in a sealed envelope.

Feedback from the PIC will include a questionnaire that will suggest the inventor to justify the raised points.

The report sent by PIC will also be accessed by the 'IPR Committee' (*Annexure*) of the university and will decide the patent filing should be proceeded or need modifications.



START OF APPLICATION PROCESS

STEP 10

Once the 'IPR Committee' approves the application after modifications (if needed), it will be further communicated to PIC, PSCST through Director CIIPP.

At PIC, a meeting will be conducted to present the case at Technology Information, Forecasting and Assessment Council (TIFAC), Department of Science and Technology.

If the invention fulfils all the patentability criteria, the inventor will be provided with a list of 'Certified Patent Attorneys' from the 'list of empanelment of law firms' approved by TIFAC, GoI, New Delhi.



STEP 11

In consultation with the supervisor, the inventor will have to select a patent attorney for starting the application details to start the application filing process

'List of empanelment of law firms' is available online with the detailed fee structure for every aspect related from 'filing a patent to the grant of patent' which will be sponsor by TIFAC.

(Link provided below)



FILING PATENT

STEP 12

For northern region, after discussion with the inventor/s, the attorney will start filing all the necessary forms for submission to Indian Patent Office, New Delhi.

The applications in all the cases will be forwarded by the Director, CIIPP, after getting necessary approval from the Registrar, Panjab University, Chandigarh.

In any case, Panjab University will be made as the sole or one of the assignees with the Applicants as the inventors.



STEP 13

The attorney will proceed further with the application filing process, He can contact the inventor or supervisor for any kind of information or verification from time to time if need be.

Once the patent is granted, TIFAC maintains the patent for a maximum of 10 years, on the receipt of information regarding sincere efforts of the inventors to commercialize the invention.



To know more about technology transfer and royalty follow the link: <https://cpr.puchd.ac.in/tech-transfer-and-royalty/>

For more information on Centre for Industry Institute Partnership Programme (CIIPP) follow link: <https://ciipp.puchd.ac.in/>

List of empanelment of law firms <https://dbskkv.org/pdf/2020-21/Research/Empanelment-of-law-firms-for-Patent-IPR-Attorneys.pdf>

Vector source: <http://www.freepik.com>

Technology Transfer and Royalty

TECHNOLOGY TRANSFER AND ROYALTY

STEP 14

With the successful filing and grant of the patent by the inventor, it is time for commercialization. The important thing to mention here is once you have filed the patent application, you can proceed with the commercialization of the invention before the grant.

The inventor/s may contact potential licensee(s) by maintaining the confidentiality and taking all necessary care so as not to affect the value of the IP through appropriate agreements such as a Non-Disclosure Agreement (NDA) with the potential licensee(s) during technology marketing discussions. (NDA and Technology Transfer format is available in CIIPP Manual)



STEP 15

The CIIPP may also organize specific industry interactions for helping the inventors in showcasing their IPs and may contract the IP to Technology Management Agencies (Government/Private), which manage the commercialization of the IP.

The revenue generated from the commercialization of University-owned IP will be shared between the inventor, his or her team and University.

The net earnings generated by the exploitation of IP will be shared between the Inventor(s) and the University on a 70:30 ratio respectively.



COMMONLY USED TERMS IN THE DOMAIN OF PATENTS

S. No.	Term	Definition
1.	Inventor	Creator of an invention
2.	Applicant	Organization/individual/industry that files a patent application or applies for a patent
3.	Patentee	A person/organization who owns the patent (granted)
4.	Licensee	Organization/individual/industry which obtains a license of the patent from the Patentee for commercialization purpose
5.	Assignee	A person in whose name patent has been assigned legally
6.	In force	The applicant is paying the annuity (renewal fee) for the patent to keep it alive (Active Patent)
7.	Working of a Patent	The selling of a patent to an individual/party for commercial exploitation is called as working of a patent
8.	Patent Specification	Patent specification is a written description of the invention and the way of representation and process of making and using the same
9.	Priority Right	A 'Priority Right' or 'Right of Priority' is a time-limited right, activated by the first filing of an application for a patent
10.	Priority Date	The claimed date on which the first application for the invention is filed
11.	Patent Claims	Claims can be defined as the scope of the protection conferred by a patent, or the protection sought in a patent application. The purpose of the claims is to define which subject matter is protected by the patent
12.	National Phase Application	An application filed to obtain patents in different countries simultaneously based on a single International/PCT application
13.	Patent Revocation	The revocation means cancellation of the patent due to certain reasons, such as lack of patentability or wrongfully obtaining a patent
14.	Restoration of Patent	Once a patent has been ceased (e.g. due to non-payment of the fee) it can be restored within a permitted period by paying the requisite fee

For more information on Centre for Industry Institute Partnership Programme (CIIPP) follow link: <https://ciipp.puchd.ac.in/>

Vector source: <http://www.freepik.com>

Webinars and Workshops conducted by our Centre for sensitization of IP domain

How to take Idea from Lab to Market

JANUARY 5, 2021

DST-CPR
PANJAB UNIVERSITY
WEBINAR

In Collaboration with
Centre for Industry Institute Partnership Programme (CIIPP), PANJAB UNIVERSITY, CHANDIGARH

How to take Idea From lab to Market

PATRON
Prof. Raj Kumar
Vice-Chancellor
Panjab University
Chandigarh

SPEAKER
Prof. O. P. Katare
Professor & Dean
EIPS Panjab University
Chandigarh

SPEAKER
Dr. Sachindra Pandey
Partner at K&S PARTNERS
Gurgaon
Haryana

SPEAKER
Dr. Kavita Bansal
Patent Agent & Founder
Shodh Raksha IPR Firm
Mohali

FOR QUERIES CONTACT
Prof. C. Nirmala
Coordinator, CPR, PU, cnirmalacpr20@gmail.com
<https://meet.google.com/mqg-zmrb-wjg>

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<https://cpr.puchd.ac.in/>

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Speaker

Prof. O P Katare, UIPS,
Panjab University
Chandigarh

YouTube Link

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Dr Shachindra Kumar
Pandey Partner, K&S
Partners, Gurgaon

<https://www.youtube.com/watch?v=LVAWwOBXUtg&list=PL6qnuubehuCpSDOkGTZvzhoepbK23wuUL>

Dr. Kavita Bansal, Patent
Agent, Shodh Raksha,
Mohali

https://www.youtube.com/watch?v=o-fd_bdfVvU&list=PL6qnuubehuCpSDOkGTZvzhoepbK23wuUL&index=2

Patent Search & Filing: The Roadway to IP Commercialization

JANUARY 11-15, 2021

DST-CPR
PANJAB UNIVERSITY
ONLINE WORKSHOP SERIES 2021

In Collaboration with
i-TTO, FITT, nbm, biroc

11-15 January
ONLINE WORKSHOP SERIES 2021

DAY 1

PATENT SEARCH & FILING: THE ROADWAY TO IP COMMERCIALIZATION

PATRON
Prof. Raj Kumar
Vice-Chancellor
Panjab University
Chandigarh

SPEAKER
Ms. Divya Kaushik
Scientist, PIC-TISC,
PSCST
Chandigarh

SPEAKER
Dr. Kavita Bansal
Patent Agent & Founder
Shodh Raksha IPR Firm
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Coordinator, CPR, PU, cnirmalacpr20@gmail.com
Ms. Pooja Bhatia
Chief Manager, i-TTO, FITT, IIT Delhi

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Mohali

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Dr. Deepa Tiku, Partner
and Practice lead Biotech
Biosciences, K&S
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Reema Sahni, i-TTO,
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Ms. Komal Sharma Talwar, Founder, TT Consultants, Mohali	https://www.youtube.com/watch?v=BKvCN65B01U&list=PL6qnuubehuCpe3QKY7HyJqz1yVwI8vpsC&index=5
Mr. Pranav Sharma, Chief Marketing Officer, XLPAT Labs, TT Consultants, Mohali, Punjab	https://www.youtube.com/watch?v=E7--qA8hNpE&list=PL6qnuubehuCpe3QKY7HyJqz1yVwI8vpsC&index=6
Pragati Aggarwal, i-TTO, FITT, IIT New Delhi	https://www.youtube.com/watch?v=M0Z2pkt-VaU&list=PL6qnuubehuCpe3QKY7HyJqz1yVwI8vpsC&index=7
Dr. Rahul Kapoor, Turn IP Innovations	https://www.youtube.com/watch?v=ri4QeJdzIw&list=PL6qnuubehuCpe3QKY7HyJqz1yVwI8vpsC&index=8

Xlscout: Leverage AI to Innovate Faster SEPTEMBER 28, 2021

DST-CPR **xlscout**
A WEBINAR ON
LEVERAGE AI TO INNOVATE FASTER
28th September 2021
Tuesday, 03:00 P.M.

PATRON
Prof. Raj Kumar
Vice Chancellor
Panjab University
Chandigarh

SPEAKERS
Komal Sharma Talwar
Founder
XLSOOUT
Ranjan Mukherjee
BDM
XLSOOUT
Pranav Sharma
Chief Marketing
Officer, XLSOOUT

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2. Pranav Sharma Chief marketing Officer XLPAT Labs, Mohali
3. Ranjan Mukherjee Development Manager Xlscout Mohali