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# Centre for Intellectual Property Rights (CIPR)

(Supported by DPIIT-Govt of India)

**Andhra University, Visakhapatnam**



सत्यमेव जयते

Department for Promotion of  
Industry and Internal Trade  
Ministry of Commerce & Industry  
Government of India



## VISION :

To Create a Vibrant and Sustainable  
IP Ecosystem in the University

## MISSION :

To Serve and Support  
University Researchers  
in the Pursuit of IP Creation,  
Protection and Commercialization

**75**  
Azadi Ka  
Amrit Mahotsav

Information Brochure





### ***Message from Vice Chancellor, Prof. PVGD Prasad Reddy***

I am delighted to see the new brochure of Centre for IPR. The IP Policy brought out by the Centre is paving the way for the university to achieve its goal of becoming research and innovation driven university as per NEP 2020. I believe that given a conducive IP policy and promotion, young minds can do wonders in knowledge creation and development of new products and processes using the Incubation Ecosystem being set up in the university campus. I congratulate all the members of the Centre for IPR, wish good luck for its future endeavors, and thank DPIIT-Govt of India for sanctioning the IPR Chair to Andhra University enabling promotion of IP culture in the university through CIPR.



### ***Message from Rector, Prof. K Samatha***

Andhra University is making a persistent effort in creating an IP and entrepreneurial ecosystem in the university and in the state of Andhra Pradesh. The Centre for IPR at Andhra University is acting as a catalyst in this regard to enlighten our students and faculties on various aspects of IPR. With the trend of filing more IP applications, I hope that Andhra University is soon going to be among one of the top 10 universities in India. I am sending my best wishes to the Centre for all its future endeavors.



### ***Message from Registrar, Prof. V Krishna Mohan***

The Centre for IPR is guiding and supporting the innovators from the university in securing the IP rights for their inventions and creations and implementing the university IP policy. I am proud to say that the Centre has been designated as the State Nodal Agency on IPR matters by the Govt of AP. The Centre is also teaching the IPR mandatory credit course in the university to all the UG and PG students to create IP savvy human resources and meet the demands of knowledge based economy. I sincerely congratulate the Centre for IPR for all its initiatives and wish successful endeavors ahead.



### ***Message from IPR Chair, Prof. H Purushotham***

I am glad to present the first information brochure of Centre for IPR. The Centre aims to achieve the set objectives and provide comprehensive services across the IP Value Chain of IP creation, protection, and commercialization to all its Stakeholders in order to place the university and the State in its rightful position under various national and international rankings in terms of IP, innovation, and entrepreneurship thereby contributing significantly to the local and regional socio-economic development.

## ***Preamble***

As a part of implementation of the New IPR Policy 2016, the Department for Promotion of Industry and Internal Trade (DPIIT), Ministry of Commerce and Industry, Govt of India, sanctioned DPIIT-IPR Chair to Andhra University in September 2020 under the Scheme for Pedagogy and Research in IPRs for Holistic Education and Academia (SPRIHA). Prof. Hanumanthu Purushotham, the former Chairman & Managing Director of National Research Development Corporation (NRDC), Govt of India, was appointed as the DPIIT-IPR Chair Professor and the founding head of the CIPR, Andhra University. Ever since its inception, CIPR has been taking several new initiatives to build a strong IP ecosystem in the University and the state of AP. Considering the proactive initiatives of CIPR AU, the Government of A.P. notified through G.O.No.: 72 dated 12.05.2021 that CIPR Andhra University is the AP State IPR Nodal Agency.

## ***Different types of IP Rights***

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.”

The following IP rights are available in India under the respective Indian Legislative Acts.

<b>S. No</b>	<b>IP Right</b>	<b>What for?</b>	<b>How?</b>
1	Patent (Patents Act, 1970)	New inventions	Application, examination, grant
2	Copyright (Copyright Act, 1957)	Original creative or artistic forms	Exists automatically/ Registration
3	Trade Mark (Trade Mark Act, 1999)	Distinctive identification of Goods or services	Use and / or Registration
4	Design (Designs Act, 2000)	External appearance	Registration
5	Semiconductor Integrated Circuits (SCICLD Act, 2000)	Design in IC layouts	Registration
6	Geographical Indication (GI Act, 1999)	Geographic-location- specific unique characteristics	Registration
7	Trade Secret (Indian Contract Act, 1872)	Valuable information not known to the public	Reasonable effort to keep secret
8	Plant Varieties and Farmers Right (PPV &FR Act, 2001)	New Plant Varieties	Registration

## ***Benefits of IP protection for universities and inventors***

- Improves National/International ranking
- Facilitates joint R&D and partnership with industry
- Facilitates technology transfer
- Generates revenue (IP monetization)
- Increased investment in R&D
- Strengthens innovation and entrepreneurship ecosystem
- Enhances reputation and attracts more talents
- Provides market entry barriers and competitive advantage
- Higher valuation for startups

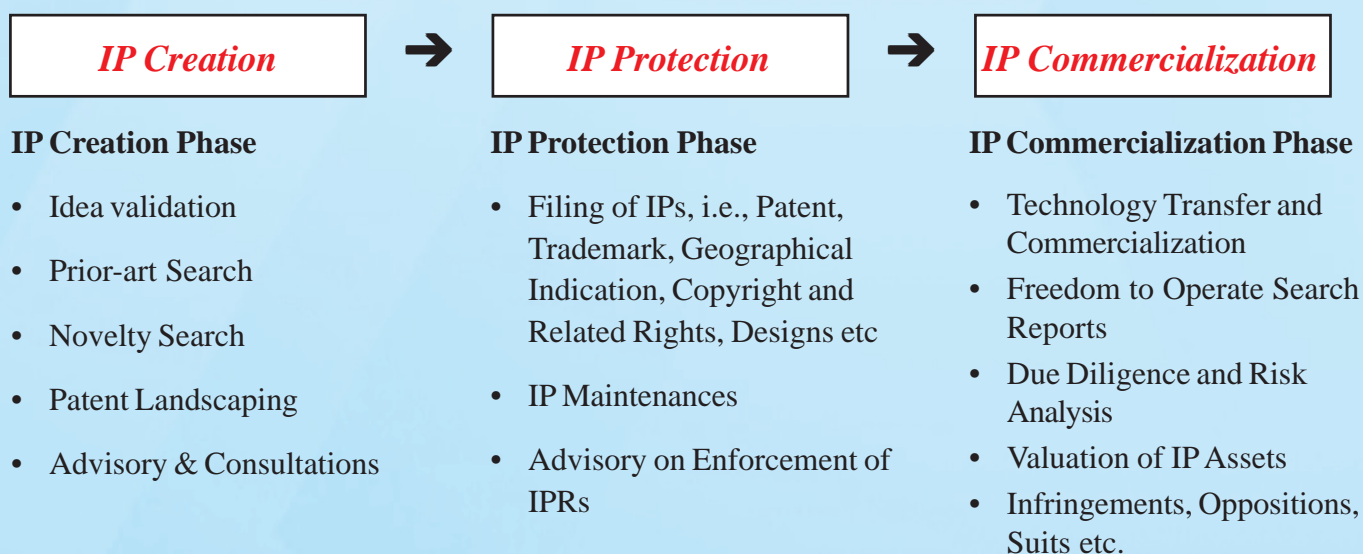
## ***Objectives of IPR Chair and CIPR***

The broad objectives of the Chair/Centre are

- To introduce and teach IPR as a mandatory credit course in the University
- To organize IP awareness/Capacity building/ Training programs/FDPs on IPR to all stake holders including faculties/students/startups/MSMEs
- To introduce certificate/diploma/postgraduate/PhD degree courses on IPR on regular/distant/e-learning mode
- To prepare IP policy for the University and implement the same effectively
- To manage the IP portfolio of the University, facilitate the filing of IP applications and coordinate with the authorized patent agent/attorney
- To market and facilitate University IP commercialization
- To partner with other stakeholders to strengthen the IP and innovation culture in the University
- To undertake research/consultancy projects in the area of IP
- To coordinate with State and Central Government agencies in the area of IPs

## ***Our Services***

CIPR aims to provide comprehensive Services across the IP Value Chain to stakeholders.





## Achievements and Recognition of CIPR

- Introduction of IPR as a mandatory credit course at UG and PG level
- Creation and implementation of University IP Policy
- Preparation of University IP portfolio for marketing
- Transferred/Licensed one university patented technology
- Signed MOU with
  - § IPTSE Academy, New Delhi
  - § ADANI University, Ahmedabad
  - § Novel Patent Services, Visakhapatnam
  - § Resolute4IP, Hyderabad
  - § Indian Oil Corporation Ltd., New Delhi
- IPR Chair received the award of IP Academician of the year in 2021 from IPPO and TIE.
- IPR Chair received the IP recognition Award 2022 for Academic category from IPTSE & FICCI
- IPR Chair received the Lifetime achievement Award 2022 for appreciation of relentless outstanding contributions and excellent services to Indian Intellectual Property from Novel Patent Services
- AP Govt recognized CIPR-AU as State IPR Nodal Agency
- Facilitated getting i-TBI to Andhra University from DST, Govt of India
- Organized two FDP programs sponsored by AICTE-ATAL on IPR
- IPR Chair was nominated by AICTE as a Member of the IP Syllabus Committee for UG/PG/PhD Courses
- IPR Chair was nominated by DPIIT as a member of Expert Committee for the Free Trade Agreements (FTAs) to review and suggest on IPR issues
- IPR Chair was nominated as an external expert in the Indian Patent Agent Exam Vivo-Voce by Indian Patent Office.
- IPR Chair was nominated as Startup Committee Member of Indian Oil Startup Fund.



Andhra University releasing the IP Policy by the Chairman of AP State Council for Higher Education, Prof. K.Hemachandra Reddy



Signing of Technology Transfer Agreement on Portable Biosensor technology for Type II Diabetes in presence of Hon'ble VC Prof. PVGD Prasad Reddy with M/s Akshaya InnoTech, Visakhapatnam



Prof. H Purushotham, DPIIT-IPR Chair, receiving the IP Hall of Fame Honors "IP Academician of the Year" Award from Sunil Parekh, Co-Chairman of FICCI, Gujarat State Council, constituted by IPPO



Prof. H Purushotham, DPIIT-IPR Chair, receiving the IPTSE-FICCI Award from Dr G Raghavendra, Joint Secretary, Ministry of Law, Govt of India, for his outstanding contributions in IP in academia

## Advisory Committee

The activities/programs of the CIPR are guided by the following Advisory Committee.



**Prof. PVGD Prasad Reddy,**

Vice Chancellor,  
Andhra University,  
Visakhapatnam



**Dr Prabuddha Ganguli,**

CEO Vision IPR,  
Former MHRD/DPIIT IPR  
Chair at Central University Tejur,  
Adjunct Professor, IIT Jodhpur,  
Mumbai



**Dr K. S. Kardam,**

Former Senior Joint Controller of  
Patents and Designs at Indian Patent  
Office New Delhi, Govt. of India



**Dr Mohit Gambhir,**

Innovation Director, Ministry of  
Education's Innovation Cell, AICTE,  
Govt. of India, New Delhi



**Dr Yashwant Dev Panwar,**

Head of Patent Facilitating Center  
(PFC) of TIFAC, Department of  
Science and Technology,  
Govt. of India, New Delhi



**Prof. K. Basavaiah,**

Dean R&D, Andhra University,  
Visakhapatnam



**Prof. V Vijay Lakshmi,**

Principal,  
Dr B R Ambedkar Law College,  
Andhra University, Visakhapatnam



**Prof. V Krishna Mohan,**

Registrar, Andhra University,  
Visakhapatnam

The Vice Chancellor may nominate any other expert members as and when required

### Present Core Team Members Driving the Vision and Mission of CIPR



IPR Chair Professor:

**Prof. H. Purushotham**



Research Officer:

**Dr. Anindya Roy Chowdhury**

Regd. Indian Patent Agent



Research Assistant:

**Mr. Ravi Teja Chittipotu**



Junior Research Fellow:

**Mr. G Satyanarayana**

Regd. Indian Patent Agent



## Important patents/patent applications of Andhra University

Andhra University has about 40 patents at various stages of prosecution. Below are some of the important patents/patent applications.

The University is looking for industry partners for commercializing the inventions of the university.

<b>Title of application</b>	<b>Application No./ Patent Number</b>
Process for phenol removal through adsorption and biodegradation	6722/CHE/2015 Patent number: 318485
Controlled release formulations of anti-tubercular drugs using different biodegradable natural polymers	3305/CHE/2008 Patent Number: 275061
Novel controlled release tablet of poorly soluble drug	1720/CHE/2008 Patent Number :282506
Aluminum composite with metallic reinforcements	5769/CHE/2015
Anticancer activity of fermented skin of allium cepa	2003/CHE/2015
A medicinal composition with high chebulinic acid content for cancer treatment	1121/CHE/2015
Face recognition system using doubly truncated multivariate gaussian mixture model with dct coefficients under logarithm domain	201741000401
Method for skin colour segmentation with generic bivariate pearson mixture model	201741037353
Hybrid colour image decomposition system using finite doubly truncated bivariate gaussian mixture model	201841001433
Portable biosensor for Type2 diabetes	201941016562
A system and method for detecting cloud transients, cloud density using optimized solar tracking system	202141037361
Bioactive Feed Additive for Vibrio Infections in Crustaceans and Method of Preparation for the Same	202241026455
Multi-functional Cost-effective Smart Pole for Early Flood Detection and Rescue Operations	202244022591
Metal-Free Hydrogen Sensor and Method of Fabrication Thereof	202241032960



*Contact for further details*

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