



MAHARAJA AGRASEN
INSTITUTE OF
TECHNOLOGY
IPR CELL

Faculty Members of IPR Cell

Faculty Name	Department
Mr. Anupam Kumar (IPR Cell Coordinator)	CSE
Dr. Laxya (Member)	EEE
Ms. Nidhi Sengar (Member)	IT
Mr. R.C. Saini (Member)	MAE
Mr. Rohit Rana (Member)	ECE
Dr. Ritu Gupta (Member)	MBA

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Patent and Copyrights Published by MAIT Faculties

CSE Dept.

Faculties/Inventors Name/s from Department	Patent Application Number	Title of Invention	Field of Invention	Patent Filing Country	Date of Filing Patent	Status of your Patent	Publication Date/Grant Date
Neelam Sharma	202011024973	ITCP- Wireless Sensor Network: Intelligent Transmission Control Protocol For Wireless Sensor Network.		India	6/14/2020	Published	7/25/2020
Ashish Sharma, Savita Sharma and Yogesh Sharma	202011020506	System And Method For Automated Detection Of Digital Modulation Technique	COMPUTER SCIENCE	India	5/15/2020	Published	8/14/2020
Nisha Aggarwal	202011036028	Multipurpose Land Based Public Service Robot	Computer Science	India	8/6/2020	Published	9/25/2020
Neelam Sharma	202011038372	HBTM-Temperature And Location Monitor: Human Body Temperature, Medical Alert And Location Monitor Using Iot- Based Technology	ordinary application	India	9/9/2020	Published	10/9/2020
Dr. Ashish Khanna and Dr. Deepak Gupta	202041044754	Novel System For Mental Health State Analysis Using Machine Learning And Methods Thereof	Communication	India	10/14/2020	Published	10/30/2020
Neelam Sharma	202011047578	PINACC: Pin Attack Device Primarily Used As A Women's Security Provision.	ordinary application	India	10/31/2020	Published	11/13/2020
Dr. Ashish Khanna and Dr. Deepak Gupta	202041045225	Interpersonal Skills Score Card For Students Using Artificial Intelligence And Methods Thereof	Communication	India	10/16/2020	Published	11/13/2020
Dr. Namita Gupta, Ruchi Goel and Dr. Pooja Gupta	202011053925	Ignition Of Motor Vehicle Engine Using A Fingerprint Using IOT Technology	Communication	India	12/11/2020	Published	1/8/2021
Anupam Kumar	WO2021014458	Systems And Methods For Automated Visual	Bio-Medical Engineering	International PCT	10/7/2019	Published	1/28/2021

		Perceptual Assessment					
Ruchi Goel	202111003097	Apparatus And Method To Convert And Translate Gesture In To Texture And Speech And Inversely	Computer Science	India	1/22/2021	Published	2/12/2021
Dr. Ashish Khanna and Dr. Deepak Gupta	202131001862	Performance Enhancement Of Polymer Deposited FBG Sensor For Cardiac Parameter Monitoring In MRI Environment	Bio-Medical Engineering	India	1/14/2021	Published	2/12/2021
Ashish Sharma, Yogesh Sharma, Alok Sharma and Dr. Sandeep Tayal	2021101541	Multi-Transferrable Assets Transaction On Single Blockchain Configuration In Industrial Iot Network	Computer Science	Australia	3/25/2021	Grant	4/28/2021
Ashish Sharma and Alok Sharma	202141020637	A System For Consumption Of Backdraft Force Energy Fromtrain Stations	ELECTRICAL	India	5/6/2021	Published	5/14/2021
Dr. Sandeep Tayal	202141020417	System And Method For Washing Solar Panel With Advanced Technique		India	5/4/2021	Published	6/11/2021
Dr. Jyoti Kaushik	2021103598	Internet Of Things (Iot)Based Intelligent Visitor Terminal For Identifying Visitors	COMPUTER SCIENCE	AUSTRALIA	6/24/2021	Published	7/29/2021
Dr. Ashish Khanna	202111030375	Detection & Alert System For Animals Safety Across Railway Tracks	Electronics	India	7/6/2021	Published	7/30/2021
Dr. Ashish Khanna and Dr. Deepak Gupta	202111030375	Detection & Alert System For Animals Safety Across Railway Tracks	Electronics	India	7/6/2021	Published	7/30/2021
Dr. Ashish Khanna and Dr. Deepak Gupta	202111045836	Machine Learning Model For Work-Life Balance		India	10/8/2021	Published	10/29/2021
Dr Sandeep Tayal	202111049754	Design Wearable Sensors To Provide Healthcare Notification Using Iot Based Technology	BIO-MEDICAL ENGINEERING E-MAIL	India	10/29/2021	Published	11/19/2021
Ashish Sharma, Yogesh Sharma,	202241012283	Design System Of Medical Ultrasound And CT Image	BIO-MEDICAL ENGINEERING	India	3/7/2022	Published	3/18/2022

Savita Sharma and Dr. Sandeep Tayal		Classification Using CNN					
Kajol Dahiya	202241014262	Design System Of Medical Ultrasound Image Classification Using Deep Learning	Computer Science	India	3/16/2022	Published	3/25/2022

EEE Dept.

Faculties/Inventors Name/s from Department	Patent Application Number	Title of Invention	Field of Invention	Patent Filing Country	Date of Filing Patent	Status of your Patent	Publication Date/Grant Date
Dr Monika Gupta	202011031886	Recognition Of Only Indian Human Behavior/Activity Using Ai Based Programming	AI	India	07/25/2020	Published	09/01/2021
Dr Monika Gupta	202011000225	Ensemble Classifier Based Indoor Localization System	AI	INDIA	1/3/2020	GRANTED	4/15/2021
Dr. Neelu Nagpal	AU 2021100286	Aqua Life: A Compact Device Extracting Drinkable Water From Sea Water	Electrical and Electronics Engineering	Australia	1/17/2021	Granted	4/22/2021
Dr Monika Gupta	2021100954	A System For Weather Monitoring And Natural Disasters Prevention Using Iot Enabled Devices	AI&IOT	AUSTRALIA	2/20/2021	GRANTED	4/15/2021
Dr. Laxya	2021101212	Smart Public Transport Disinfection And Sterilization System	Electrical and Electronics Engineering	Australia	3/8/2021	Granted	5/28/2021
Dr. Laxya	202111014696	Method For Physical Intelligent Vlsi-Chip Design And Development Technology	Electrical and Electronics Engineering	India	3/31/2021	Published	
Dr. Laxya	202021106865	Ein System Zur Entwicklung Eines Physischen Intelligenten VLSI-Chips	Electrical and Electronics Engineering	German	16/12/21	Granted	15/02/2022

ECE Dept.

Faculties/Inventors Name/s from Department	Patent Application Number	Title of Invention	Field of Invention	Patent Filing Country	Date of Filing Patent	Status of your Patent	Publication Date/Grant Date
Prof. (Dr.) R. S. Gupta and Dr. Anubha Goel	201911025496	NANOTUBE FET BIOSENSOR SYSTEM AND METHOD FOR DETECTION OF DNA AND BIOMOLECULES USING THE SAME	Chemical	India	6/26/2019	Granted	1/1/2021

IT Dept.

Faculties/Inventors Name/s from Department	Patent Application Number	Title of Invention	Field of Invention	Patent Filing Country	Date of Filing Patent	Status of your Patent	Publication Date/Grant Date
Bhoomi Gupta	201941044511	Method Of Load Distribution Balancing For Fog Cloud Computing In IoT Environment		India	11/3/2019	Published	
Bhoomi Gupta	202011009938	Method of Obstacles Detection and Control of Robotic Wheelchair		India	3/7/2020	Published	
Dr. Amita Goel	202141020417	System and Method for Washing Solar Panel with Advanced Technique	Mechanical Engg	India	5/4/2021	Published	11/06/2021
Bhoomi Gupta	2021102117	System for Secure Authentication AND Inter Communication AMONG Networked IoT Devices		India	6/10/2021	Granted	5/26/2021
Bhaskar Kapoor	202141038793	Artificial Intelligence Based Smart Touch Less Medicine Dispensing System For Pharma Field		India	8/26/2021	Published	
Bhaskar Kapoor	202121047250	The Role Of Artificial Intelligence On The Relationship Between Job Balance And Employee Productivity In It Industry		India	10/18/2021	Published	

Bhaskar Kapoor	202141059092	Analysing THE Role OF Cloud Computing AND ITS IMPACT ON Project Misalignment WITH Business Objectives ON THE Overall Project Performance		India	12/17/2021	Published	
Nidhi Sengar & Dr. Amita Goel	202241013509	Ai-Based Diet Recommendation Framework FOR Alzheimer's Person	Communication	India	12/03/2022	Published	18/03/2022
Nidhi Sengar	202241012283	Design System OF Medical Ultrasound AND CT IMAGE Classification USING CNN	BIO-MEDICAL ENGINEERING	India	07/03/2022	Published	18/03/2022
Dr. Sunil Maggu	202111003097	Apparatus and Method to Convert and Translate Gesture In To Texture And Speech And Inversely	Computer Science	India	1/22/2021	Published	2/12/2021

IPR Events Organized at MAIT

One day Seminar is being organized on “Intellectual Property Rights”

A one-day Seminar was organized on “Intellectual Property Rights” on April 26, 2019, 11:00 A.M onwards in Maharaja Agrasen Auditorium. Ms. Aparan Jain, Advocate and Partner, Knowledgentia Consultants conducted the Seminar.



The screenshot shows the MAIT website header with navigation menus and a notice dated April 22, 2019. The notice, titled "NOTICE", states that a one-day seminar on "Intellectual Property Rights" will be held on April 26, 2019, at 11:00 A.M in the Maharaja Agrasen Auditorium. The seminar is conducted by Ms. Aparan Jain, Advocate and Partner, Knowledgentia Consultants. The notice also mentions that the schedule of the seminar is attached and that all faculty are required to attend. The notice is signed by Prof. Neelam Sharma, Director.

Link: <https://www.mait.ac.in/index.php/notice-fdps-and-seminar-on-intellectual-property-rights>

Intellectual Property Rights and Innovation



An IPR workshop on “Intellectual Property Rights and Innovation” was scheduled on the third day of the conference International conference “Smart Sustainable Intelligent Computing and Applications” under (ICITETM 2020) (6th Feb,2020) to impart awareness about the issue of Intellectual Property Right among the students and researchers. **Dr. A.K Garg, (Scientist 'F' and Director, MeitY)** who was the inaugural speaker talked on Start-ups and their related Issues and Challenges. Mr. Akshay Bhargava, (Senior Consultant, TCS) discussed challenges of IPR and their implementation in start-ups. Third speaker Mr. Avinash Kumar (Associate Director, IPR, DRDO) discussed in detail about understanding role of Intellectual Property Rights in R&D.

IIC-MAIT REPORT ON WORKSHOP 12TH MARCH, 2021

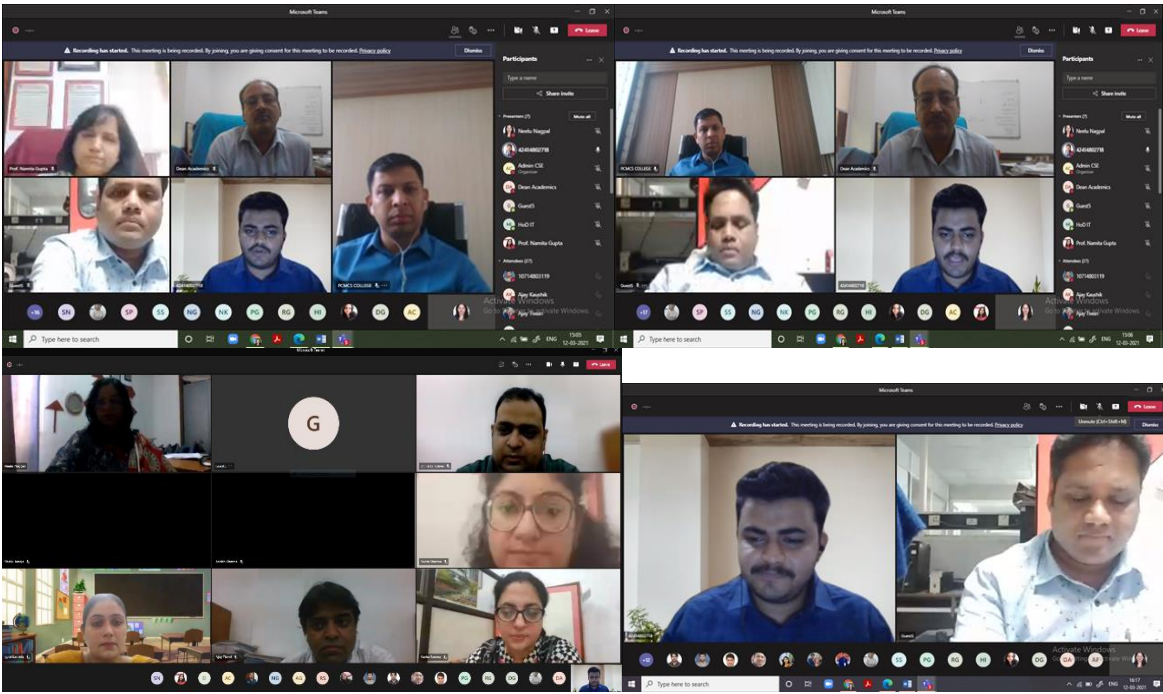
On 12th March, 2021, Institute Innovation Council of Maharaja Agrasen Institute of Technology organized an online workshop on the topic “Innovation and Patents Practice”. The objective of this programme was to encourage all towards the innovative activities to uplift the individual academic credential with institute name and fame. Further, the importance of Intellectual property right (IPR) was the agenda.

The programme was conducted by Prof. Ramesh Chandra Panda, Dean R&D, Synergies Group of Institutions, Bhuvneshwar. He is professional with a distinguish career of over 12 years of industrial and academic experience providing educational instructions, engineering projects and training solutions to individuals. A research guide and Editor Reviewer of 6 International UGC care listed and Scopus Indexed journals. Prof Ramesh is subject matter expert in this domain. He has rich experience across project strategy and IPR management, is passionate about research related to the current problems specially related to the rural India. He has published/ accepted 26 research papers and published 52 research patents, 18 industrial design patents and 20 research copy right under IPR of India and indexed at WIPO, Switzerland.

The programme was started with the motivational speech of Prof Satvir Deswal, Dean Academics who emphasised the need of research for building an individual successful career as well as benefit society. With invent of new technology, collective problem of society can be resolved from the point of sustainability and cost effective. Adding to Prof. Deswal speech, Prof Namita Gupta, President, IIC-MAIT explained the vision of innovation cell of institute. She pointed that MAIT is in process of collaboration with Industrial projects and there is a strategy to have the full participation of students. She paid special thanks to Founder chairman MAIT, Dr. Nand Kishore Garg and Director MAIT, Prof Neelam Sharma for the support in organizing this event.

Further, Prof Ramesh started his session about his experience of establishing himself in the field of education, utilize his skills and experience to help students to achieve high improvement in career. He added that skill in the design of challenging, enriching, and innovation activities that address the diverse interests and need of society is the key to success of an academician, researcher and professional. Innovation is necessary to work in growth orientated organization. Further, patent rights can promote innovation is by creating a market for ideas and innovation, thus facilitating transactions such as the licensing or sale of an innovation and enabling the efficient allocation of ideas and technology. He explained the types of patent and procedure, requirement to be fulfil for the grant. He explored the benefits which an individual or institute can grab after the grant of patent. He has responded to all queries raised by attendees.

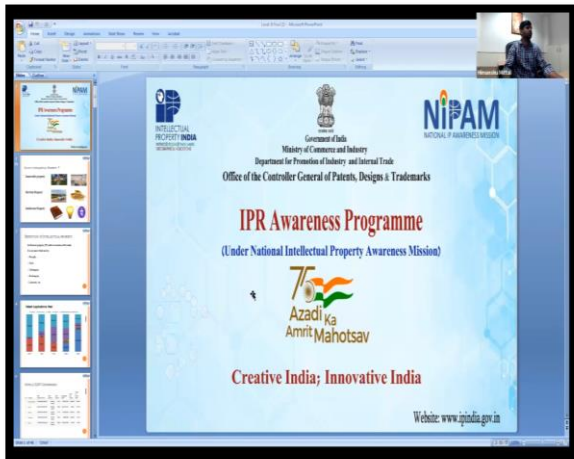
About 45+ were the attendees which includes students, faculty, professionals, and guests from various part of India. It was an interactive workshop and was successfully accomplished. In the end he was presented with token of appreciation and votes of thanks by Dr Neelu Nagpal, Faculty coordinator of this event.



Basics on Intellectual Property Rights

Date: 28/03/2022

Time: 11:50am onwards



Patents	Designs	Trademarks	Copyrights	Geographical Indications (GI)
Inventions	Outer configuration in 2D or 3D	Words, Logos, Symbols, Sound	Original work	Identifies a product
Product or Process	Judged solely by the eye	Distinguishes goods, generates goodwill	Books, Drama, Paintings, Songs etc.	Community rights
Novelty, Inventive Step, Industrial Applicability	Novel	Distinctive, Not deceptively similar	Original	Origin names
20 Years	10 + 5 Years	10 Years + 10 Years indefinitely	Different for different works	10 Years + 10 Years indefinitely

An IPR awareness session on “Basics of Intellectual Property Rights” was scheduled on the 28th March ,2022 to impart awareness about the basics of Intellectual Property Right including patents, design patents, copyrights, trademark among the students and researchers. Mr. Himanshu Mittal, (Examiner of Patents & Designs, Office of the Controller General of Patents, Designs and Trade Marks, Department for Promotion of Industry and Internal Trade, Ministry of Commerce and Industry, Government of India) who was the speaker talked on basics of IPR. The session is under the NiPAM (National IP Awareness Mission) of Indian Government. A total of 102 students and 60 faculties have attended the session. All the participants have been benefitted with the awareness talk and it is a very nice interactive talk by Mr. Himanshu Mittal. The certificates has already been issued to all the participants by IPR Office, Delhi and NiPAM.