



Build resilient infrastructure, promote sustainable industrialization, and foster innovation.

Innovation, investment, and growth in infrastructure have a lasting impact on empowering communities. Universities are critical in encouraging, investing, and making innovation possible through industry partnerships.

Innovation is at the heart of Amity University Madhya Pradesh. The University supports start-up ideas through the Amity Innovation Incubator (<http://amity.edu/aii/>) to encourage and create an active entrepreneurship culture. Besides, the Incubation Centre we have state-of-the-art labs and centers dedicated to nurturing industry partnerships. Here is a glimpse of our work towards SDG 9 through our teaching, multidimensional research sponsored by various government funding agencies such as DST, MPCST, SERB, ICMR, Creative Commons & DRDO and by partnerships.

Amity University Madhya Pradesh is a research and innovation driven university wherein faculty are expected to do quality research. Faculty members are motivated to publish research papers only in the journals that are indexed in scopus or web of science.

Incentives are being provided to the faculty those who publish quality research papers, carrying out research projects and consultancy assignments, file/publish a patent etc.

1. Quality research and creation of new knowledge

The pursuit of Research and Innovation is being give utmost priority at Amity University Madhya Pradesh. The brilliant faculty members and students are consistently engaged in cutting-edge research projects covering areas of National & International importance. The major thrust areas of research at AUMP are Microbial Technology, Plant Tissue Culture & Infectious Disease, Bioengineering & Nanotechnology, Bio-resources, Biodiversity & Ecosystem Analysis, Environmental Pollution and Control Technology, Environmental Toxicology, Bioinformatics, Computational Biology, Protein base drug delivery system, Design and development of anti-HIV molecules, Nano carrier based drug delivery system, Depression and anxiety disorders, pain and inflammation (Preclinical), Drug discovery in neurodegenerative disorder, Phyto pharmaceuticals and siRNA delivery for Reproductive cancer (invitro and Invivo), Electronic Materials, Machine design, Material Science, Nano-Materials, Structural Engineering, Artificial Intelligence, Cyber Security, Data Mining and Machine Learning.

Pushing the boundaries of research, the University houses state-of-the-art cutting-edge research infrastructure and facilities. Presently the University has the following R & D Laboratories:

- Chemical, Biological, Radiological and Nuclear (CBRN) Mitigation Lab
- Biotechnology Lab
- Plant Tissue Culture
- Pharmaceuticals Lab
- Pharmacognosy Lab
- Psychometric Analysis Lab
- Animal Tissue Culture
- Microbiology Lab
- Human Anatomy & Physiology
- Garment Constructing
- Electronics Materials & Nano-magnetism Lab
- Structural Engineering Lab
- Advanced Material Testing Lab
- Machine Room
- Pharmacology/HAP Lab
- Computer Labs
- Moot Court
- Audio Visual Recording & Editing Lab
- Fake News Detection Lab

2. DIRECTORATE OF RESEARCH & INNOVATION

The Directorate of Research & Innovation at Amity University Madhya Pradesh is responsible for providing research leadership through:

- Promoting and facilitating cutting-edge research
- Collaborative and inter disciplinary work.
- Building, and providing sufficient support for the community of innovative researchers
- Enhancing research capacity in the University.
- Increasing internal and external research opportunities for faculty, research fellows and students
- Developing networks between the research centres and researchers in the public and private sectors, nationally and internationally.
- Transferring knowledge to society.
- Encouraging faculty members and students to publish quality research in journals of high repute.



Research Projects Completed:

S. No.	Principal Investigator	Title of the Project	Rs. in Lacs of Project	Submitted to
1	Dr. Alpa Sethi Dr. S.C. Jain	Assessing the Factors Responsible for Mismatch Between Demand and Supply of Requisite Skills in Science and Technology Aspirants with Special Reference to Madhya Pradesh	1656000	Centre for Human and Organisational Resource Development, DST
2	Dr. Ragvendra Kumar Mishra Dr. Sabhyata	Large Scale development of ILP markers in pea (<i>Pisum sativum</i>) and their potential utility in mapping,	1830000	DST - SERB

	Bhatia (Mentor)	diversity and transferability analysis		
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Research Projects On-Going:

S. No.	Principal Investigator	Title of the Project	Rs. in Lacs of Project	Funding Agency
1	Dr. Rajesh Singh Tomar Dr. Vikas Shrivastava	Bio-assisted synthesis of high potential nanoparticles and their antimicrobial efficacy evaluation against wound associated pathogens with special reference to Gwalior region.	7.95	MPCST, Bhopal
2	Dr. Snehal Jani Dr. Ranjeet Kumar (Amity University Hariyana)	Development of multifunctional magnetic Fe-Al nanocomposites for high temperature applications	4.50	MPCST, Bhopal
3	Dr. Naveen Sharma	Biotechnological Approaches for Camptothecin Analogs Production from Cell Culture of Nothapoytes Nimmoniana: An Anticancer Medicinal Plant	9.53	MPCST, Bhopal
4	Dr. Kuldip Dwivedi	Bioaugmentation of Crude oil using bacteria and fungus isolates from the oil spilled contaminants site	7.10	MPCST, Bhopal
5	Dr. Pankaj Kumar Mishra	Development of novel polymer nanocomposites for toxic gas sensor	6.90	MPCST, Bhopal
6	Dr. Neeraj Mishra	Dual functional colon - Targeted tofacitinib and probiotics loaded microparticles for the treatment of inflammatory bowel disease	3.20	MPCST, Bhopal
7	PI: Dr. Shikha Agrawal, Associate Professor, Dept. of CSE, UIT-RGPV, Bhopal Dr. Manish Gupta, CO-PI, Assistant Professor-III, Dept. of CSE, ASET-AUMP	An Intelligent fast and secure extended visual cryptography technique using two level security for medical images	No Fund to AUMP	MPCST, Bhopal

Indexing Details of Research Papers in Journals

Research Papers	:	148
Web of Science	:	15
SCI	:	18
Scopus Indexed	:	107
UGC-CARE	:	18
Other Indexed Journal Publications	:	1

Indexing Details of Papers in Conference Proceedings

Papers in Conference Proceeding	:	13
Scopus Indexed	:	6
Not Indexed	:	1

Indexing Details of Book Chapters

Book Chapters	:	59
Web of Science	:	6
Scopus Indexed	:	14
Not Indexed	:	39

Indexing Details of Books

Books	:	27
Scopus Indexed	:	6
Not Indexed	:	20

Scopus / Journal Published by the University

1. Amity University Madhya Pradesh has Scopus Index Journal named “Journal of Content Community and Communication (JCCC)” since 2015. It is a Scopus Indexed Journal ranked 1st in India and 5th in Asia.



2. The University is publishing its Bi-annual print & online Research “Amity Journal of Management” since 2013. It is a Peer-reviewed Journal.



3. The University is publishing its Quarterly online Research “International Journal of Advanced Research in Biotechnology & Nanobiotechnology” since 2019. It is a Peer-reviewed Journal.



E-NEWS LETTERS



PATENTS

1. File No.: 202011057478

Title: A cisplatin loaded biodegradable nano drug as carriers for enhancing antineoplastic activity and preparation method thereof

Date of Submission: 31.12.2020

Field of Invention: Nanobiotechnology

Published: 9.09.2022

Name of Inventors



Dr. Asha Singh



Prof. (Dr.) Rajesh Singh Tomar

2. File No.: 202111008726

Title: Development of Cow Dung Ashes (CDA) based infusion bags for improving the quality of drinking water

Date of Submission: 26.02.2021

Field of Invention: Environmental Biotechnology

Published: 7.10.2022

Name of Inventors

Prof. (Dr.) Rajesh Singh Tomar, Dr. Manish Kumar, Dr. Ajendra Singh Bhadauria and Prof.(Dr.) Vikas Shrivastava



Prof. (Dr.) Rajesh Singh Tomar



Dr. Manish Kumar



Prof.(Dr.) Vikas Shrivastava

3. File No.: 202111012097

Title: Matrix-coupled Microalgae for enhanced biosorption of toxic nanoparticles

Date of Submission: 22.03.2021

Field of Invention: Nanobiotechnology

Published: 16.12.2022

Name of Inventors

Dr. Anurag Jyoti, Prof. (Dr.)Vikas Shrivastava, Ms. Neha Shrivastava and Prof.(Dr.)

Rajesh Singh Tomar		
		
Dr. Anurag Jyoti	Prof.(Dr.)Vikas Shrivastava	Prof.(Dr.) Rajesh Singh Tomar

4. File No.: 202111017329



Title: pH Dependent Release of Targeted Anti-Cancer Metal Nanofibres Encapsulated in Goat Milk Protein, Poly Vinyl Alcohol and Phytochemicals

Date of Submission: 14.04.2021

Field of Invention: Nanobiotechnology, **Published:** 24.03.2023

Name of Inventors

**Prof.(Dr.) Rajesh Singh Tomar, Dr. Neha Sharma,
Dr. Sharmistha Banerjee, Dr. Shuchi Kaushik**

	
Prof.(Dr.) Rajesh Singh Tomar	Dr. Neha Sharma

5. File No.: 202111054490

Title: Development and repurposing of Carbapenems antibiotic based encapsulated nanoparticles against multi-drug resistant bacteria

Date of Submission: 25.11.2021

Field of Invention: Nanobiotechnology

Published: 26.05.2023

Name of Inventors

**Prof.(Dr.) Rajesh Singh Tomar, Dr. Raghvendra Kumar Mishra, Dr. Anurag Jyoti, Prof.(Dr.)
Vikas Shrivastava, Dr. Neha Sharma**

				
Prof.(Dr.) Rajesh Singh Tomar	Dr. Raghvendra Kumar Mishra	Dr. Anurag Jyoti	Prof.(Dr.) Vikas Shrivastava	Dr. Neha Sharma

6. File No.: 202111060622

Title: Biogenic synthesis of phytochemical encapsulated silver doped titanium dioxide nanoparticles as anti-biofilm agent
Date of Submission: 24.12.2021
Field of Invention: Nanobiotechnology
Published: 30.06.2023

Name of Inventors

Prof.(Dr.) R.S. Tomar, Prof.(Dr) Vikas Shrivastava, Ms. Tooba Mazhar



Prof.(Dr.) R.S. Tomar

Prof.(Dr) Vikas Shrivastava

7. File No.: 202211016933

Title: Seedling bucket from organic wastes to transport plant materials and method thereof
Date of Submission: 25.03.2022
Field of Invention: Environmental Biotechnology
CAP Submitted on: 24.03.2023

Name of Inventors

Prof. (Dr.) Raghvendra Kumar Mishra, Prof.(Dr.) Rajesh Singh Tomar, Dr. Pallavi Singh Chauhan, Dr. Anurag Jyoti



Prof. (Dr.) Raghvendra Kumar Mishra

Prof.(Dr.) Rajesh Singh Tomar


Dr. Anurag Jyoti

8. File No.: 202211038362

Title: *Annonaceous acetogenin* encapsulated silicon doped titanium dioxide nanoparticles as a biological control agent
Date of Submission: 4.07.2022
Field of Invention: Nanobiotechnology
CAP Submitted on: 4.07.2023

Name of Inventors

Dr. Pushpika Udawat, Prof.(Dr.) Rajesh Singh Tomar


	<p align="center">Prof.(Dr.) Rajesh Singh Tomar</p>
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9. File No.: 202211053494

Title: *Annonaceous acetogenin* encapsulated manganese doped zinc oxide bimetallic nanoparticles as a biofertilizer

Date of Submission: 19.09.2022

Field of Invention: Nanobiotechnology





<p align="center"><u>Name of Inventors</u></p>	<p align="center">Dr. Pushpika Udawat, Prof.(Dr.) Rajesh Singh Tomar</p>
	<p align="center">Prof.(Dr.) Rajesh Singh Tomar</p>

10. File No.: 202211077547

Title: Biosynthesis of phytochemical and salicylic acid loaded zinc-copper (Zn-Cu) bimetallic nanoparticles

Date of Submission: 31.12.2022

Field of Invention: Nanobiotechnology




<p align="center"><u>Name of Inventors</u></p>			
<p align="center">Dr. Raghvendra Saxena, Dr. Manish Kumar, Prof.(Dr.) Vikas Srivastava and Prof.(Dr.) Rajesh Singh Tomar</p>			
			
<p align="center">Dr. Raghvendra Saxena</p>	<p align="center">Dr. Manish Kumar</p>	<p align="center">Prof.(Dr.) Vikas Srivastava</p>	<p align="center">Prof.(Dr.) Rajesh Singh Tomar</p>



11. File No.: 202311010214



Title: A method for production of high protein, antioxidant rich functional food with antimicrobial property


Date of Submission: 15.02.2023



Field of Invention: Food biotechnology




<u>Name of Inventors</u>		
Prof.(Dr.) Raghvendra Kumar Mishra, Dr. Sabhyata Bhatia, Prof.(Dr.) Rajesh Singh Tomar, Ms. Anamika and Dr. Raghvendra Saxena		
		
Prof.(Dr.) Raghvendra Kumar Mishra	Prof.(Dr.) Rajesh Singh Tomar	Dr. Raghvendra Saxena

<u>12. File No.: 202311043443</u>		
Title: Removal of Titanium dioxide nanoparticles from aquatic environment using Chlorella biomass and method thereof		
Date of Submission: 28.06.2023		
Field of Invention: Nanobiotechnology		
<u>Name of Inventors</u>		
Dr. Anurag Jyoti, Prof.(Dr.)Vikas Shrivastava, Ms. Neha Shrivastava and Prof.(Dr.) Rajesh Singh Tomar		
		
Dr. Anurag Jyoti	Prof.(Dr.)Vikas Shrivastava	Prof.(Dr.) Rajesh Singh Tomar

<u>13. File No.: 202011044487</u>	
Title: A System for The Power Generation, Power Distribution and Power Transmission with IoT Connectivity	
Date of Submission: 13/10/2020	
Field of Invention: Internet of Things (IoT)	
Published: 07/10/2022	
<u>Name of Inventors</u>	
	

Prof. (Dr.) Pankaj Kumar Mishra, Professor (Applied Physics), ASET, AUMP	Dr. Devendra Kumar Mishra, Assistant Professor (CSE), ASET, AUMP
<u>14. File No.: 202011044036</u>	
Title: A System for Sensing the Slope and Identify the Earth Movement and Landslides	
Date of Submission: 08/10/2020	
Field of Invention: Engineering, Published: 04/11/2022	
<u>Name of Inventors</u>	
	
Prof. (Dr.) Pankaj Kumar Mishra, Professor (Applied Physics), ASET, AUMP	Dr. Mohan Kantharia, Associate Professor (Civil Engineering), ASET, AUMP

<u>15. File No.: 202011050136</u>	
Title: A System Providing Status of Vehicles in Queue at Electric Charging Stations to a User	
Date of Submission: 18/11/2020	
Field of Invention: Engineering, Published: 14/10/2022	
<u>Name of Inventors</u>	
	
Prof. (Dr.) Raghavendra Sharma, Professor & Head (ECE), ASET, AUMP	Prof. (Dr.) Pankaj Kumar Mishra, Professor (Applied Physics), ASET, AUMP
<u>16. File No.: 202011053802</u>	
Title: Composition for Cement Mortar using Nano Polymer Matrix and Method Thereof	
Date of Submission: 10/12/2020,	
Field of Invention: Engineering, Published: 21/10/2022	
<u>Name of Inventors</u>	

			
Dr. Mohan Kantharia, Associate Professor (Civil Engineering), ASET, AUMP	Prof. (Dr.) Pankaj Kumar Mishra, Professor (Applied Physics), ASET, AUMP	Dr. Snehal Chandrasekhar Jani, Assistant Professor (Applied Physics), ASET, AUMP	Prof. (Dr.) Swapnil Rai, Professor (EVS)




17. File No.: 202011057476

Title: An Active Base Isolation Control System of Building Frame using Shape Memory Alloy

Date of Submission: 31/12/2020

Field of Invention: Engineering, **Published:** 04/11/2022

Name of Inventors

		
Dr. Vimal Kumar Gupta, Associate Professor & Head (Civil Engg.), ASET, AUMP	Prof. (Dr.) Vivek Singh Kushwah, Professor (ECE), ASET, AUMP	Prof. (Dr.) Pankaj Kumar Mishra, Professor (Applied Physics), ASET, AUMP




18. File No.: 202111001068

Title: Kundalini Power Measurement System

Date of Submission: 03/01/2021

Field of Invention: Engineering, **Published:** 23/09/2022

Name of Inventors

		
Prof. (Dr.) Raghavendra Sharma, Professor & Head (ECE), ASET, AUMP	Prof. (Dr.) Pankaj Kumar Mishra, Professor (Applied Physics), ASET, AUMP	Dr. Samta Jain Goyal, Associate Professor (CSE), ASET, AUMP

19. File No.: 202111004857


Title: Notification System to Avoid Water Wastage

Date of Submission: 04/02/2021

Field of Invention: Engineering

Published: 30/09/2022

Name of Inventors

			
Prof. (Dr.). Pankaj Kumar Mishra, Professor (Applied Physics), ASET, AUMP	Prof. (Dr.) Raghavendra Sharma, Professor & Head (ECE), ASET, AUMP	Dr. Ashok Kumar Shrivastava, Associate Professor (CSE), ASET, AUMP	Dr. Kapil Sharma, Associate Professor (CSE), ASET, AUMP

20. File No.: 202111020392

Title: 'A System for Real-Time Monitoring of Animals and Human Activities in Protected Areas

Date of Submission: 04/05/2021

Field of Invention: Engineering, **Published:** 26/05/2023

Name of Inventors

				
Prof. (Dr.) Pankaj Kumar Mishra, Professor (Applied Physics), ASET, AUMP	Prof. (Dr.) Raghavendra Sharma, Professor & Head (ECE), ASET, AUMP	Dr. Ashok Kumar Shrivastava, Associate Professor (CSE), ASET, AUMP	Dr. Kapil Sharma, Associate Professor (CSE), ASET, AUMP	Dr. Deepak Motwani Associate Professor (CSE), ASET, AUMP

21. File No.: 202111025280

Title: An Ammonia-Water Based Vapour Absorption Polygeneration System

Date of Submission: 07/06/2021






Field of Invention: Mechanical Engineering






Published: 10/03/2023






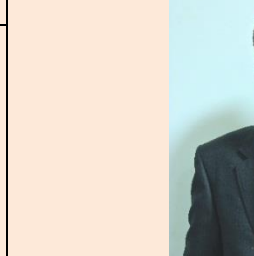
Name of Inventors

Prof (Dr.) C P Jawahar,


	Ex Professor & Head, Mechanical Engineering, ASET, AUMP				
22. File No.: 202111052275					
Title: A System for EEG Signal Categorization Utilizing Long Short-Term Memory (LSTM) and Enhanced Methods of Neural Networks					
Date of Submission: 15/11/2021					
Field of Invention: Engineering					
Published: 19/05/2023					
<u>Name of Inventors</u>					
					
Prof. (Dr.) Pankaj Kumar Mishra, Professor (Applied Physics), ASET, AUMP	Prof. (Dr.) Raghavendra Sharma, Professor & Head (ECE), ASET, AUMP	Dr. Narendra Kumar Garg, Assistant Professor (ECE), ASET, AUMP	Dr. Rinkoo Bhatia, Assistant Professor (ECE), ASET, AUMP	Dr. Kapil Sharma, Associate Professor (CSE), ASET, AUMP	Dr. Deepak Motwani, Associate Professor (CSE), ASET, AUMP
23. File No.: 202111061166					
Title: A System or Autism Spectrum Disorder Identification and Intervention by Using Artificial Intelligence					
Date of Submission: 28/12/2021			Prof (Dr.) Hemant Kumar Soni, Associate Professor, CSE, ASET, AUMP		
Field of Invention: Mechanical Engineering					
Published: 30/06/2023					
<u>Name of Inventors</u>					
24. File No.: 202221046050					
Title: A System for diagnosis and classification of bone cancer using artificial intelligence					
Date of Submission: 12/08/2022			Prof (Dr.) Vivek Singh Kushwah, Professor, ECE, ASET, AUMP		
Field of Invention: Engineering					
Published: 09/09/2022					
<u>Name of Inventors</u>					






<p>25. File No.: 202211059592</p>	
<p>Title: Systematic Approach Integrated with Convolutional Neural Network for Predicting the Air Pollution and Air Pollutants in Industrial Area Date of Submission: 18/10/2022 Field of Invention: Electronics Engineering Published: 04/11/2022</p>	<p>Prof (Dr.) Vivek Singh Kushwah, Professor, ECE, ASET, AUMP</p>
<p><u>Name of Inventors</u></p>	
<p>26. File No.: 202211059592</p>	
<p>Title: Design of a Smarter and Automated Delivery Systems for E-Commerce Sites for Safer and Tracked Delivery of Ordered Products Date of Submission: 31/08/2022 Field of Invention: Engineering Published: 09/11/2022</p>	<p>Dr. Rinkoo Bhatia, Assistant Professor (ECE), ASET, AUMP</p>
<p><u>Name of Inventors</u></p>	
<p>27. File No.: 202241065536</p>	
<p>Title: Artificial Intelligence Based Approach to Early Prediction of Natural Coma Based on Brain Mapping Date of Submission: 15/11/2022 Field of Invention: Electronics Engineering Published: 02/12/2022</p>	<p>Prof (Dr.) Vivek Singh Kushwah, Professor, ECE, ASET, AUMP</p>
<p><u>Name of Inventors</u></p>	
<p>28. File No.: 202241065330</p>	
<p>Title: Smart IoT Based System Integrated with Artificial Intelligence Framework for Prediction of Air and Water Pollution Date of Submission: 15/11/2022 Field of Invention: Electronics Engineering Published: 25/11/2022</p>	<p>Prof (Dr.) Vivek Singh Kushwah, Professor, ECE, ASET, AUMP</p>
<p><u>Name of Inventors</u></p>	
<p>29. File No.: 202211067243</p>	








Title: Implementation of Framework to Study the Battery Backup and Various Advantages of Bidirectional Electric Vehicle Charging Points Date of Submission: 23/11/2022 Field of Invention: Electronics Engineering Published: 09/12/2022	
<u>Name of Inventors</u>	Prof (Dr.) Vivek Singh Kushwah, Professor, ECE, ASET, AUMP

<u>30. File No.: 202241075373</u>		
<p>Title: Deep learning-based technique for Automatic Traffic Anomaly Detection on the Road Network Date of Submission: 21/12/2022 Field of Invention: Engineering Published: 27/01/2023</p>		
<p><u>Name of Inventors</u></p>	<p>Prof (Dr.) Vivek Singh Kushwah, Professor, ECE, ASET, AUMP</p>	<p>Dr. Shally Goyal, Assistant Professor, (ECE), ASET, AUMP</p>
<u>31. File No.: 202211067243</u>		
<p>Title: Implementation of Novel Techniques to Measure the Efficiency Photovoltaics of Nanostructured Solar Cells Date of Submission: 17/12/2022 Field of Invention: Electronics Engineering Published: 06/01/2023</p>		
<p><u>Name of Inventors</u></p>	<p>Prof (Dr.) Vivek Singh Kushwah, Professor, ECE, ASET, AUMP</p>	
<u>32. File No.: 202241073450</u>		
<p>Title: Implementation of Machine Learning Techniques for Attack and Anomaly Detection in Internet of Things (IoT) Sensors and Sites Date of Submission: 19/12/2022 Field of Invention: Internet of Things (IoT) Published: 06/01/2023</p>		
<p><u>Name of Inventors</u></p>	<p>Prof (Dr.) Vivek Singh Kushwah, Professor, ECE, ASET, AUMP</p>	
<u>33. File No.: 202241073450</u>		
<p>Title: Implementation of Machine Learning Techniques for Attack and Anomaly Detection in Internet of Things (IoT) Sensors and Sites Date of Submission: 19/12/2022 Field of Invention: Internet of Things (IoT) Published: 06/01/2023</p>		
<p><u>Name of Inventors</u></p>	<p>Prof (Dr.) Vivek Singh Kushwah, Professor, ECE, ASET, AUMP</p>	

<p>34. File No.: 202241073382 Title: Novel Approach to Identify the Security Issues in Internet of Things (IoT) and Cloud Computing Service Model with Suggested Solution Date of Submission: 18/12/2022 Field of Invention: Internet of Things (IoT) Published: 06/01/2023</p>		
<p><u>Name of Inventors</u></p>	<p>Prof (Dr.) Vivek Singh Kushwah, Professor, ECE, ASET, AUMP</p>	
<p>35. File No.: 202341001687 Title: Design of Framework for an Efficient Radio Frequency Spectrum Utilization Technique for Cognitive Radio Date of Submission: 09/01/2023 Field of Invention: Communication Published: 27/01/2023</p>		
<p><u>Name of Inventors</u></p>	<p>Dr. Rinkoo Bhatia, Assistant Professor, (ECE), ASET, AUMP</p>	<p>Prof (Dr.) Vivek Singh Kushwah, Professor, ECE, ASET, AUMP</p>
<p>36. File No.: 202211073449 Title: Deep Reinforcement Learning based on Path planning and Tracking control of Automatic Parking Cloud Model Date of Submission: 19/12/2022 Field of Invention: Internet of Things (IoT) Published: 06/01/2023</p>		
<p><u>Name of Inventors</u></p>	<p>Prof (Dr.) Vivek Singh Kushwah, Professor, ECE, ASET, AUMP</p>	
<p>37. File No.: 202211073449 Title: Deep Reinforcement Learning based on Path planning and Tracking control of Automatic Parking Cloud Model Date of Submission: 19/12/2022 Field of Invention: Internet of Things (IoT) Published: 06/01/2023</p>		

<u>Name of Inventors</u>	Prof (Dr.) Vivek Singh Kushwah, Professor, ECE, ASET, AUMP
<u>38. File No.: 6271246</u>	
Title: Dumbbell shape microstrip antenna array for 5G Wi-Fi Network (UK Patent Granted) Date of Submission: 25/03/2023 Field of Invention: Internet of Things (IoT) Published: 29/03/2023	
<u>Name of Inventors</u>	Prof. (Dr.) Raghavendra Sharma, Professor & Head (ECE), ASET, AUMP
<u>39. File No.: 377578001</u>	
Title: Industrial Air Filter (UK Patent Granted) Date of Submission: 17/01/2023 Field of Invention: Mechanical Engineering Published and Granted (UK) : 24/03/2023	
<u>Name of Inventors</u>	Prof. (Dr.) Anshul Gangele, Professor & Head (ME), ASET, AUMP
<u>40. File No.: 377578001</u>	
Title: Device for Nano Coating Transfer (UK Patent Granted) Date of Submission: 31/01/2023 Field of Invention: Mechanical Engineering Published and Granted (UK): 29/03/2023	
<u>Name of Inventors</u>	Prof. (Dr.) Anshul Gangele, Professor & Head (ME), ASET, AUMP
<u>41. File No.: 377672001</u>	
Title: Device for Regulating Boiler (UK Patent Granted) Date of Submission: 19/01/2023 Field of Invention: Mechanical Engineering Published and Granted (UK): 05/04/2023	
<u>Name of Inventors</u>	Prof. (Dr.) Anshul Gangele, Professor & Head (ME), ASET, AUMP
<u>42. File No.: 6254997</u>	
Title: Automatic Contactless Fluid Dispenser (UK Patent Granted) Date of Submission: 13/01/2023 Field of Invention: Mechanical Engineering Published and Granted (UK): 02/02/2023	

<u>Name of Inventors</u>	Prof. (Dr.) Anshul Gangele, Professor & Head (ME), ASET, AUMP
<u>43. File No.: 6255007</u>	
Title: Housing Base for Cutting Tools (UK Patent Granted) Date of Submission: 13/01/2023 Field of Invention: Mechanical Engineering Published and Granted (UK): 16/01/2023	
<u>Name of Inventors</u>	Prof. (Dr.) Anshul Gangele, Professor & Head (ME), ASET, AUMP
<u>4. File No.: 202341007827</u>	
Title: Solar Powered Robotic Vehicle for Heavy Metal Ions Detection in Water Employing Machine Vision Date of Submission: 07/02/2023 Field of Invention: Mechanical Engineering Published : 24/03/2023	
<u>Name of Inventors</u>	Dr. Rohit Pandey, Assistant Professor (ME), ASET, AUMP
<u>45. File No.: 202321025271</u>	
Title: Solar Powered Camera based Kit for Lead Ions Detection in Water employing H2S Gas Date of Submission: 03/04/2023 Field of Invention: Mechanical Engineering Published: 05/05/2023	
<u>Name of Inventors</u>	Dr. Rohit Pandey, Assistant Professor (ME), ASET, AUMP
<u>46. File No.: 6254997</u>	
Title: IoT based Washing Machine for Agricultural Crops (UK Patent Granted) Date of Submission: 13/04/2023 Field of Invention: Internet of Things (IoT) Published and Granted (UK): 19/04/2023	
<u>Name of Inventors</u>	Dr. A Daniel, Associate Professor (CSE), ASET, AUMP
<u>47. File No.: 6275144</u>	
Title: 5G based remotely controlled IoT Sreet Lamp (UK Patent Granted) Date of Submission: 12/04/2023 Field of Invention: Internet of Things (IoT) Published: 25/04/2023	
<u>Name of Inventors</u>	Prof. (Dr.) Raghavendra Sharma,

	Professor & Head (ECE), ASET, AUMP			
<u>48. File No.: 202211059592</u>				
Title: Analysis of Library Management Automation System Through RFID Integrated with IoT Techniques Date of Submission: 12/04/2023 Field of Invention: IoT Published: 05/05/2023				
<u>Name of Inventors</u>	Dr. Narendra Kumar Garg, Assistant Professor (ECE), ASET, AUMP			
<u>49. File No.: 6282294</u>				
Title: Animal Tracking Strap using RFID and IOT (UK Patent Granted) Date of Submission: 14/05/2023 Field of Invention: IOT Published and Granted (UK): 22/05/2023				
<u>Name of Inventors</u>				
				
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<u>50. File No.: 202321035203</u>				
Title: Aerodynamically Optimized Hydro Power Axial Turbine Cascade for Low Velocity Water Flow Date of Submission: 19/05/2023 Field of Invention: Mechanical Engineering Published : 23/06/2023				
<u>Name of Inventors</u>				
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<u>51. File No.: 6282292</u>				
Title: IOT based agriculture ROBOT for pesticides spraying (UK Patent Granted) Date of Submission: 14/05/2023 Field of Invention: IOT Published and Granted (UK): 31/05/2023				
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<p><u>52. File No.: 202341001687</u></p>				
<p>Title: Design of Framework for an Efficient Radio Frequency Spectrum Utilization Technique for Cognitive Radio Date of Submission: 09/01/2023 Field of Invention: Communication Published: 27/01/2023</p>				
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<p><u>53. File No.: 202211067899</u></p>				
<p>Title: Indian patent on “hybrid and movable cremation furnace system provided with a monitoring unit” Date of Submission: 25/11/2022 Field of Invention: “hybrid and movable cremation furnace system provided with a monitoring unit” Status: Filed</p>				
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<p><u>54. File No. 202311042713</u></p>	
<p>Title: Swatantra 'An Augment Reality-Based System for Disabled and Elderly' Date of Submission: 26/06/2023 Field of Invention: Swatantra 'An Augment Reality-Based System for Disabled and Elderly' Status: Filed</p>	
<p style="text-align: center;"><u>Name of Inventors</u></p>	
	
<p>Dr. Swapnil Rai, Professor, EVS, ASLS, AUMP</p>	<p>Dr. Rwitabrata Mallick, Assistant Professor, EVS, ASLS, AUMP</p>
<p>Name of Inventor:</p>	<p>Dr. Hephzibah Beula John, Associate Professor, Amity Business School, Amity University, Gwalior, Madhya Pradesh</p>
<p><u>55. File No.: 202221036949</u></p>	
<p>'An Impact of Human Resource Management (HRM) on Employee Performance' Filed on 28/06/2022. Published on 15/07/2022.</p>	
<p>Name of Inventor:</p>	<p>Dr. Hephzibah Beula John, Associate Professor, Amity Business School, Amity University, Gwalior, Madhya Pradesh</p>
<p><u>56. File No.: 202241047392</u></p>	

<p><i>'Artificial Intelligence Integrated Human Paradigm through Organizational Agility and Sustainable Performance'</i> Filed on 19/08/2022. Published on 15/07/2022.</p>	
<p>Name of Inventor:</p>	<p>Dr. Mini Agrawal, Assistant Professor, Amity Business School, Amity University, Gwalior, Madhya Pradesh</p>
<p><u>57. File no.: 357153-001</u></p> <p>Title: Spreadability Determining Apparatus for Pharmaceutical Formulations Date of Submission: 22/01/2022 Date of Grant : 25/01/2023</p>	
<p><u>Name of Inventors:</u></p>	<p>Dr. Neeraj Mishra, S. Dr. Mohana Lakshmi, Dr. M. Pratap, AIP, AUMP.</p>
<p><u>58. File no.: 376339-001</u></p>	 <p>Dr. Pawan Kumar Gupta, Assistant Professor, AIP, AUMP.</p>
<p>Title: Device for Blood sample analysis Date of Submission: 28/12/2022 Date of grant: 27/01/2023</p>	
<p><u>59. File no.: 376340-001</u></p>	
<p>Title: Tablet Dissolution Apparatus Date of Submission: 28/12/2022 Date of grant: 13/02/2023</p>	
<p><u>Name of Inventors:</u></p>	
<p><u>60. File no.: 2023211032544A</u></p>	
<p>Title-Herbal Formulation for the Prevention and Treatment of Cervical Cancer Date of Submission-08/05/23 Published-16/06/23</p>	

<p><u>61. File no.: 202321033431A</u></p>	
<p>Title-Herbal Composition for Treatment and Prevention of Rheumatoid Arthritis Date of Submission-11/05/23 Published-16/06/23</p>	
<p><u>62. File No.: 202211058685A</u></p>	 <p>Dr Naveen Sharma, Professor, AIP, AUMP</p>
<p>Title: Isolation and Identification Endophytic Fungus from leaves of Nothapodytes nimmoniana and Investigation of Camptothecin (CPT): An anticancer Plant Biomolecules. Date of Filing: 21/10/2022 Field of Invention: Phytochemical</p>	
<p><u>63. File No.: 202311041329</u></p>	
<p>Title: POLYHERBAL FORMULATION FOR DIABETES MELLITUS Date of Filing: 17/06/2023 Field of Invention: pharmaceutical compositions</p>	
<p>Name of Inventor:</p>	
<p><u>64. File No.: 381434-001</u></p>	
<p>Title: Design patent on “Micropipette” Date of Submission: 13/03/2023 Published on: 25/05/2023 Field of Invention: Pharmaceutical Science</p>	
<p><u>Name of Inventors :</u></p>	<p>Dr. Rajeev Sharma & Dr. Wasim Akram, Assistant Professor, AIP, AUMP</p>
<p><u>65. File No.: 202321032544 A</u></p>	