

KHWAJA MOINUDDIN CHISHTI LANGUAGE UNIVERSITY, LUCKNOW



FACULTY OF ENGINEERING AND TECHNOLOGY

Presentation for NAAC Peer Team



**FACULTY OF ENGINEERING AND TECHNOLOGY**

Year of Establishment	2019 (AICTE Approved)
Number of Faculties	01 (Associate Professor), 29 (Assistant Professor)
Number of Lab Instructures	04
Additional Staff	01 Peon, 01 Computer Operator
Departments	Applied Science and Humanities Computer Science and Engineering Biotechnology Engineering Civil Engineering Mechanical Engineering
Total Number Of Enrolled Students	1047



Department of Computer Science and Engineering



Department of Computer Science and Engineering

<u>S. No.</u>	<u>Faculty</u>	<u>Designation</u>
1	Dr. Suman Kumar Mishra (Head)	Assistant Professor
2	Dr. Shan-e-Fatima	Assistant Professor
3	Er. Tasleem Jamal	Assistant Professor
4	Dr. Saima Aleem	Assistant Professor
5	Er. Digesh Pandey	Assistant Professor
6	Er. Aman Mishra	Assistant Professor
7	Er. Kanchan Saini	Assistant Professor
8	Er. Kajal	Assistant Professor



Department of Computer Science and Engineering

<u>Courses Offered</u>	<u>Students Enrolled</u>
B. Tech. (CSE)	375
B. Tech. (CSE – AI & ML)	262
B. Tech. (CSE – AI & DS)	177
M. Tech. (CSE – AI & ML)	10
Ph.D.	02

**SELECTED RESEARCH PAPERS IN SCOPUS/ABDC/WEB OF**

S. No.	Title of Research Paper	Name of the Journal	Impact Factor
1	Speaker recognition in the case of emotional environment using transformation of speech features	ACM Proceedings	0.57
2	Image Caption Generation Using Deep Learning Algorithm	Educational Administration: Theory and Practice	1.25
3	Appliances Energy Prediction Using Random Forest Classifier	Educational Administration: Theory and Practice	1.25
4	Enhancing Security In Blockchain Technology: A Comprehensive Study	Journal For Re Attach Therapy And Developmental Diversities	0.571
5	Electroencephalogram (EEG) Signal Processing	Journal of Survey in Fisheries Sciences	0.182
6	Empowering Students: Building an Integrated Application for Enhanced Productivity, Efficiency and Creativity	International Journal of Scientific Research in Network Security	2.911
7	A review on new multilevel scheduling algorithm and SJF and priority scheduling algorithms	International Journal of Scientific Research in Network Security	2.911
8	River Flow Modeling for Flood Predication using Machine Learning Techniques in Godavari River, India	The Scientific Temper	0.191

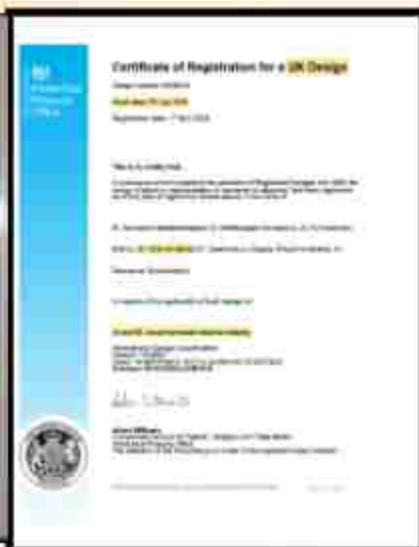
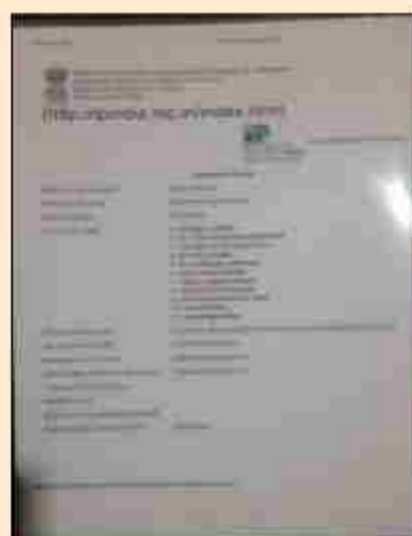


PATENTS

<u>S.No.</u>	<u>Patent Application No.</u>	<u>Inventor(s) Name</u>	<u>Title of the Patent</u>	<u>Patent Published Date</u>	<u>International/ National</u>	<u>Status</u>
1	6359919	Dr. Shan-E-Fatima	AI & ML BASED HUMANOID ROBOT FOR INDUSTRY	17/04/2024	International	Granted
2	2021107102	Dr. Shan-E-Fatima	IOT BASED AUTOMATED GREEN ENERGY MANAGEMENT OF PUBLIC GARDENS	02/11/2021	International	Granted
3	411016-001	Dr. Shan-E-Fatima , Dr. Suman Kr Mishra Digesh Pandey	AI BASED HEALTH MONITORING CAR SEAT	19/03/2024	National	Granted
4	394202-001	Deepak Maurya (Student)	PEST AND INSECT CONTROL DEVICE BASED ON ULTRASONIC WAVES FOR AGRICULTURAL FARMS	31/08/2023	National	Granted
5	394203-001	Deepak Maurya (Student)	SMART REFRIGERATION DEVICE WITH SPOILAGE PREVENTION SYSTEM	31/08/2023	National	Granted
6	202311012923 A	Dr. Suman Kr Mishra	IMPLEMENTATION OF IMAGE PROCESSING TECHNIQUES FOR IDENTIFYING THE SECURITY ASPECTS IN INTERNET OF THINGS	17/03/2023	National	Published
7	202111028620	Dr. Suman Kr Mishra	AUTOMATIC HUMAN PERSONALITY DETECTION SYSTEM USING MACHINE LEARNING	25/06/2021	National	Published
8	202141051872	Dr. Shan-E-Fatima	ENHANCED CYBERSECURITY SYSTEM FOR DATA COMMUNICATION TO SECURE IOT DEVICES	26/11/2021	National	Published
9	202211074447	Dr. Shan-E-Fatima	DISTRIBUTED SMART LEDGERING SOLUTION FOR EFFICIENT CONTRACT SYSTEMS BASED ON BLOCKCHAIN	22/12/2022	National	Published
10	202241074161	Dr. Shan-E-Fatima	ENERGY EFFICIENT ROUTING PROTOCOL TO ERADICATE SPOOFING IN MOBILE ADHOC NETWORKS	30/12/2022	National	Published
11	202311047049	Tanzeel Fatima	A SYSTEM METHOD & DEVICE FOR FACIAL EXPRESSION	04/08/2023	National	Published



PATENTS





AWARDS RECEIVED BY FACULTY MEMBERS

<u>S. No.</u>	<u>Name of the Faculty Members / Students</u>	<u>Title of the Award</u>	<u>International / National / State</u>
1	Dr. Shan-e-Fatima	Best Paper Award	International
2	Dr. Shan-e-Fatima	Rashtriya Shikshak Samman	National
3	Dr. Shan-e-Fatima	Prithvi Mitra Samman	National
4	Dr. Suman Kumar Mishra	Young Researcher Award	National
5	Dr. Suman Kumar Mishra	Shiksha Shri Sammaan	National
6	Dr. Suman Kumar Mishra	Mahatma Jyotiba Phule Award	National
7	Dr. Suman Kumar Mishra	Avantika Award	National
8	Ms. Saima Aleem	Young Scientist Award	National



Department of Biotechnology Engineering



Department of Biotechnology Engineering

<u>S. No.</u>	<u>Faculty</u>	<u>Designation</u>
1	Dr. Iffat Azim	Assistant Professor
2	Er. Dhirendra Singh	Assistant Professor
3	Er. Rashi Srivastava	Assistant Professor
4	Er. Shivanshi Tripathi	Assistant Professor

<u>Courses Offered</u>	<u>Students Enrolled</u>
B.Tech. Biotechnology	66
M.Tech. Biotechnology	Proposed



Department of Biotechnology Engineering

RESEARCH PROJECTS

S. No.	Name of Project	Year of Award	Amount (in Rs.)	Funding Agency	Status (Ongoing/Completed)
1	Identification of potential microbial cell line for degradation of polythene from waste collection sites in Lucknow	2023	1,00,000	UPCST	Completed
2	Role of gut microbiota and identification of nutraceuticals for Alopecia	Proposed			

IN HOUSE RESEARCH PROJECTS

S. No.	Name of Project	Status (Ongoing/Completed)
1	Enhancement of Taste and aroma of Beer and their impact on growth of <i>S. cerevisiae</i>	Ongoing
2	Analysis of genome plastic degrading marine fungus and identification of gene & their potential enzymes	Ongoing

**Department of Biotechnology Engineering****PATENTS**

<u>S. No</u> :	<u>Patent Application No.</u>	<u>Inventor(s) Name</u>	<u>Title of the Patent</u>	<u>Patent Published Date</u>	<u>Patent Publication Number</u>	<u>International/ National</u>	<u>Status</u>
1	394202-001	Deepak Maurya Suryansh Mishra etc.	Pest and Insect Control Device Based on Ultrasonic Sound Waves for Agricultural Farms	17/10/2023	146140	National	Published
2	394203-001	Deepak Maurya, Suryansh Mishra	Smart Refrigeration Device With Spoilage Prevention System	31/10/23023	147388	National	Published



Department of Mechanical Engineering



Department of Mechanical Engineering

<u>S. No.</u>	<u>Faculty</u>	<u>Designation</u>
1	Dr. Syed Asghar Husain Rizvi (Head)	Assistant Professor
2	Er. Vivek Kumar Bajpai	Assistant Professor
3	Er. Unni Kisan	Assistant Professor
4	Er. Satyendra Kumar Shukla	Assistant Professor
5	Er. Birendra Kumar	Assistant Professor
6	Mr. Shakeel Ali	Lab Instructor



Department of Mechanical Engineering

<u>Courses Offered</u>	<u>Students Enrolled</u>
B.Tech. Mechanical Engineering	57
B.Tech. Automation and Robotics	
M.Tech. Mechatronics	07
Ph.D.	01

**SELECTED RESEARCH PAPERS IN SCOPUS/ABDC/WEB OF**

<u>S. No.</u>	<u>Title of Research Paper</u>	<u>Name of the Journal</u>
1	Assessment of Radial Overcut during EDM of AISI 4147 Using RSM Technique	Journal of The Institution of Engineers (India): Series D
2	Assessment of Wire Offset while Machining EN24 on WEDM	International Journal of Integrated Engineering
3	Modeling of Residual Stress During EDM of AISI 4340 For Marine Propulsion Application	International Journal of Maritime Engineering
4	Assessment of Recast Layer while Machining Die Steel D3 on EDM	International Journal of Experimental Research and Review
5	Assessment of Surface Quality during EDM of AISI 4147 with Copper Tool	International Journal of Experimental Research and Review
6	Effect of Reinforcement Particles and Multipass of Friction Stir Processing on Microstructure and Mechanical Properties of Aluminium Alloy	Material Letters Impact Factor – 3.0
7	Modeling of White Layer Thickness during EDM of AISI 4340 using Cu-W tool	Journal of The Institution of Engineers (India): Series D
8	Migration of Electrode Material During Electro Discharge Machining	Natl. Acad. Sci. Lett. Impact Factor – 1.1
9	Modeling of Kerf Width during WEDM of Die Steel D3	Materials Today: Proceedings
10	Modeling of Black Layer and Tool Wear in EDM of AISI 4340 using Cu-W electrode	Procedia CIRP
11	Modeling of Surface Roughness of AISI 4340 Using Copper-Tungsten Tool in Die Sinking EDM	Materials Today: Proceedings
12	Assessment of wire offset while machining EN-24 on WEDM	International Journal of Integrated Engg.
13	Assessment of Recast Layer while Machining Die Steel D3 on EDM	International Journal of Experimental Research and Review



PATENTS

<u>S. No.</u>	<u>Patent Application No.</u>	<u>Inventor(s) Name</u>	<u>Title of the Patent</u>	<u>Patent Published Date</u>	<u>Patent Publication Number</u>	<u>International / National</u>	<u>Status</u>
1	202311047049 A	Dr. Syed Asghar Husain Rizvi	A System, Method & Device for Facial Expression Synthesis	04-08-2023	202311047049 A	International	Published
2	202311047049 A	Unni Kisan	A System, Method & Device for Facial Expression Synthesis	04-08-2023	202311047049 A	International	Published
3	411016-001	Dr. Syed Asghar Husain Rizvi	AI Based Health Monitoring Car Seat	28-11-2024	411016-001	National	Published
4	427695-001	Mr. Vivek Kumar Bajpai	Digital Dental X-Ray Machine	22-10-2024	427695-001	National	Published
5	B60-53/50L	Mr. Vivek Kumar Bajpai	Solar Energy based grid integrated DC Fast charging station for electric vehicles using advanced DC-DC resonant converters	20-05-2022	B60-53/50L	International	Published
6	6295324	Mr. Vivek Kumar Bajpai	Smart Portable Industrial Hydraulic Drum lift Machine	17-07-2023	6295324	International	Published



AWARDS / RECOGNITIONS / FELLOWSHIPS RECEIVED BY FACULTY MEMBERS AND STUDENTS

S. No.	Name of the Faculty Members / Students	Title of the Award	International / National / State
1	Dr. Syed Asghar Husain Rizvi	Best Professor in Mechatronics	National
2	Dr. Syed Asghar Husain Rizvi	Best Paper Presentation Award	National





Department of Civil Engineering



Department of Civil Engineering

<u>S. No.</u>	<u>Faculty</u>	<u>Designation</u>
1	ER. Kaushlesh Kumar Shah	Assistant Professor
2	ER. Abhishek Awasthi	Assistant Professor
3	ER. Astha Chaurasia	Assistant Professor
4	ER. Mohd. Salman Ansari	Assistant Professor
6	Mr. Abinav Shukla	Lab Instructor

<u>Courses Offered</u>	<u>Students Enrolled</u>
B.Tech. Civil Engineering	90

**SELECTED RESEARCH PAPERS IN SCOPUS/ABDC/WEB OF**

S. No.	Title of Research Paper	Name of the Journal	Remarks
1	Assessment of Recast Layer while machining Die Steel D3 on DEM	International Journal of Experimental Research and Review	Scopus
2	A Review on Nitrate Removal From Water by Adsorption	European Chemical Bulletin	Scopus
3	Effect of Jute-support on the robustness furthest reaches of cohesion-less black-top geo-materials	Journal of Applied Science, innovation & Technology (JASIT)	
4	Critical Appraisal on use of Shredded Waste Plastic Reinforcement for Sub-Grade Layer of Roads	Journal of Harbin Engineering University	
5	Effect of Raised Temperature on The Properties of Cements Supported With Alpha Fiber	Internation Journal of Food and Nutritional Sciences	Scopus
6	Study on Seismic Analysis of intze water tank with Four type of staging Configuration	Journal of Huazhong University of Science and Technology	
7	An Experimental Study on Rubcrete using Human Hair as a fibre	Journal of Huazhong University of Science and Technology	
8	Effect of different Lateral Load Resisting System on Seismic Behaviour of Building	International Research Journal of engineering and Technology	
9	Analytical study of earthquake Resistant Building: A Review	International Journal of Research fellow for Engineering	



Department of Applied Science and Humanities



Department of Applied Science and Humanities

<u>S. No.</u>	<u>Name</u>	<u>Designation</u>	<u>Subject</u>
1	Dr. Rajendra Kumar Tripathi (Head & Director)	Associate Professor	Mathematics
2	Dr. Shavej Ali Siddiqui	Assistant Professor	Mathematics
3	Dr. Balram Prajapati	Assistant Professor	Mathematics
4	Dr. Abhay Krishna	Assistant Professor	Chemistry
5	Mr. Apratim Chatterjee	Assistant Professor	Management
6	Dr. Vivek Kumar Singh	Assistant Professor	Management
7	Dr. R. R. Awasthi	Assistant Professor	Physics
8	Dr. B. B. Nath	Assistant Professor	Electrical Engineering
9	Dr. Brijesh Kumar Dwivedi	Assistant Professor	Environmental Science
10	Ms. Khalida Parveen	Assistant Professor	English
11	Mr. Vikram Singh	Lab Instructor	Electrical Engineering
12	Mr. Vivek Kumar Shukla	Lab Instructor	Chemistry
13	Mr. Sumit Kumar	Peon	-
14	Mr. Ankit Rawat	Computer Operator	-



<u>Courses Offered</u>	<u>Students Enrolled</u>
Ph.D. Mathematics	01
Ph.D. Chemistry	-



Department of Applied Science and Humanities

SELECTED RESEARCH PAPERS IN SCOPUS/ABDC/WEB OF SCIENCE

S. No.	Title of Research Paper	Name of the Journal
1	Dr R. K. Tripathi Stress Intensity Factors For Two Griffith Cracks Opened By A Symmetrical System Of Body forces In A Stress free Strip. Published in Volume 12, Issue 3, June 2021: 4905 -4917	Turkish Online Journal of Qualitative Inquiry
2	Dr. R. K. Tripathi Quadruple Series Equation involving Generalized – Bateman K' Function. Published in Turkish Journal of Computer and Mathematics Education, Volume 11, Issue 3, 2020, 1594-1598	Turkish Journal of Computer and Mathematics Education
3.	Dr R. K. Tripathi Materialistic Crack and Integral Equation Published in Elsevier 2023.	Elsevier
4.	Dr R. K. Tripathi Degree of Approximation of Fourier series in Besov Space by matrix summability ISSN – 0017- 2715 Volume 16 Issue 12 (2023).	GOYA Journal
5.	Dr R. K. Tripathi Theoretical Model for diffusion through stenosis. Impact factor 3.4	Helion
6.	Dr R. K. Tripathi The Solution of Simultaneous Dual Integral Equation involving Fox's H Function. ISBN : 978-0-7354-4558-1.	AIP Publishing
7.	Dr R. K. Tripathi On a structure defined by a Tensor Field f_λ with complimented frames satisfying $f^2 \cdot \lambda' f$ ISSN : 1006-6748	High Technology letters



Department of Applied Science and Humanities

8.	Dr R. K. Tripathi Stress Intensity Factors For Two Griffith Cracks Opened By A Symmetrical System Of Body Forces In A Stress free Strip. Volume 12, Issue 3, June 2021: 4905 -4917 [Scopus Journal]	Turkish Online Journal of Qualitative Inquiry
9.	Shavej Ali Siddiqui: The entitled "Bone Crack Inspired Pair of Griffith Crack opened by forces at crack faces", " <i>Mechanics of Advanced Materials and Structures</i> ", Taylor & Francis, Vol. 30,12 Sep 2023, Print ISSN: 1537-6494 Online ISSN: 1537-6532 Only journals in the Clarivate Science Citation Index Expanded (SCIE), Social Sciences Citation Index (SSCI), Arts and Humanities Citation Index (AHCI) and the Emerging Sources Citation Index (ESCI) have an Impact Factor, the journal's highest subject category ranking in the Journal Citation Reports. Q1 = 25% of journals with the highest Impact Factors. https://doi.org/10.1080/15376494.2023.2253019 (Scopus)	Taylor & Francis
10.	Shavej Ali Siddiqui: The entitled "Modeling of White Layer Thickness During EDM of AISI 4340 Using Cu – W tool", has been published in the "Journal of the Institution of Engineers (India): series D" in Springer Nature. Vol. 104, issue 1, 01 Nov 2023, Print ISSN: 2250-2130 Online https://doi.org/10.1007/s40033-023-00577-5 (Scopus)	Journal of the Institution of Engineers (India)
11.	Shavej Ali Siddiqui: The entitled "Investigations of a Riemannian manifold with a quarter symmetric metric (QSM) connection to its tangent bundle", " <i>Results in Nonlinear Analysis</i> ", An International Open Access peer-reviewed Scientific Journal Vol. 7 No. 3, page 47 – 54 ,02 July 2024, Print ISSN: 2636 – 7556 Online ISSN: 2636 – 7556 Q2 = 50% of journals with the highest Impact Factors. https://doi.org/10.31838/rna/2024.07.03.006 (Scopus)	International Open Access peer-reviewed Scientific Journal
12.	Shavej Ali Siddiqui: The entitled "Assessment of Recast Layer while Machining Die Steel D3 on EDM", " <i>International Journal of Experimental Research and Review (IJERR)</i> ", An International Open Access peer-reviewed Vol. 41 No. 3, page 96 – 105, 30 th July 2024, ISSN: 2455 – 4855 (Online). https://doi.org/10.52756/ijerr.2024.v41spl.006 (Scopus)	An International Open Access peer-reviewed
13.	Balram Prajapati: The entitled " The Growth Properties of Composite Entire And Meromorphic Function of Several Complex Complex Variables International Journal of Mathematics and Computer Application Research (IJMCAR)ISSN(P):2249-6955;ISSN(E):2249-8060 Vol.6, Issue 2, Apr 2016,1-12©TJPRC Pvt.Ltd	International Journal of Mathematics and Computer Application Research (IJMCAR)
14.	Balram Prajapati: The entitled "Some Results on pth Gol' Dberg Relative Order" International Journal of Applied Mathematics & Statistical Science (IJAMSS) ISSN (P):2319-3972; ISSN (E):2319-3980 Vol.5, Issue 2, Feb- Mar 2016;147-154©IASSET.	International Journal of Applied Mathematics & Statistical Science (IJAMSS)



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15.	RR Awasthi Composition dependent structural, electrical, and optical properties of p-type InSb thin film for homojunction device application Digest Journal of Nanomaterials & Biostructures (DJNB) 19, 2024, 229-241.
16.	R.R. Awasthi Effect of Zn doping on structural/microstructural, surface topography, and dielectric properties of Bi ₂ Fe ₄ O ₉ polycrystalline nanomaterials. ACS omega. 8, 2023, 15960-15967.
17.	R.R. Awasthi Effect of sintering temperature on the structural, morphological and humidity sensing properties of ZnO nanostructure. Journal of Ovonic Research 2023, 19, 411-419.
18.	R.R. Awasthi Effect of pH values on the structural, morphological and sensing properties of ZnO nanostructure. Chalco genide Letters 20 (1), 2023, 33-41.
19.	R.R. Awasthi Environmentally benign structural, topographic, and sensing properties of pure and Al-doped ZnO thin films. ACS omega 2022, 7, 28946-28954.
20.	RR Awasthi Sol-gel derived Al-doped ZnO nanoplates: Structural and optical properties. Materials Today: Proceedings, 46, 2021, 2197-2200.
21.	RR Awasthi CTAB mediated synthesis of ZnO nanoparticles: Structural, optical and enhanced blue-green optical emission. Materials Today: Proceedings, 46, 2021, 2229-2234.
22.	R.R. Awasthi Effect of molar concentration on structural, magnetic domain and optical properties of BiFeO ₃ thin films. Applied Physics A, 2019, 125, 1-14.
23.	R.R. Awasthi Structural, dielectric and magnetic domains properties of Mn-doped BiFeO ₃ materials. International journal of applied ceramic technology 17, 2020, 1410.
24.	R.R. Awasthi Structural transition and tunable optical, morphological and magnetic properties of Mn-doped BiFeO ₃ films. Optik 194, 2019, 162973.



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25.	R.R. Awasthi Effect of temperature on physical properties of Bi ₂ Fe ₄ O ₉ polycrystalline materials. Journal of the Australian Ceramic Society, 56, 2020, 243-250.
26.	B.B.Nath A Nano-Wrinkled Zn _{0.97} Fe _{0.03} O Thin Film Developed Using a High-RPM
27.	B.B.Nath Electro-Spin Patterning Technique via Sol-Gel Route For Methane Sensing ChemistrySelect, 3(42) 2018. pp.11881-11889, Wiley-VCH (SCI indexed).
28.	B.B.Nath Fabrication of Single Phase Barium Stannate (BaSnO ₃) Thin Film for Methane Sensing Materials Today: Proceedings 18, 2019, pp. 1310-1316, Elsevier (Scopus indexed).
29.	B.B.Nath Development of Nano-rough Zn _{0.97} Fe _{0.03} O Thin Film by High Electro-spin Technique via Solid-State Route and Verify as Methane Sensor. Lecture notes in Electrical Engineering, 524, 2019, pp. 589-595. Springer (Scopus indexed).
30.	B.B.Nath B.B.N. Anchal, P. Singh, R. Pyare, "Fabrication of Nano-petals Zn _{0.97} Cu _{0.03} O Thin Film and Application in Methane Sensing. 2020, pp. 427-433, Springer (Scopus indexed).
31.	B.B.Nath Fabrication of electro-spin coated Zn _{0.97} Fe _{0.03} O nano-rough thin film and application in LPG sensing Spin coated thin film using in LPG detection. IEEE (Scopus indexed).
32.	B.B.Nath Development to Path for Women Leaders in Entrepreneurship and SMEs on the basis of growing of Business Seeds in India, Chapter-14, Women leaders Entrepreneurs and Pioneers 2025, Edition (1), p.p.-157-161 Bharti Publications, New Delhi. (ISBN No: 978-93-48059-29-1)
33.	B.K. Dwivedi River water Quality in relation to alluvial deposition and irreparable ecological approach. Indian Journal of Environmental Protection.
34.	B.K. Dwivedi Economics of water and the Environment: A challenge for hydrology. The Indian Journal of Economics. ISSN: 0019-5170
35.	B.K. Dwivedi Water footprint status and Aquifer profile of north eastern to south eastern areas of Prayagraj city. J of Pollution.(Under process). ISSN: 2383-4501 SCOPUS, UGC



Department of Applied Science and Humanities

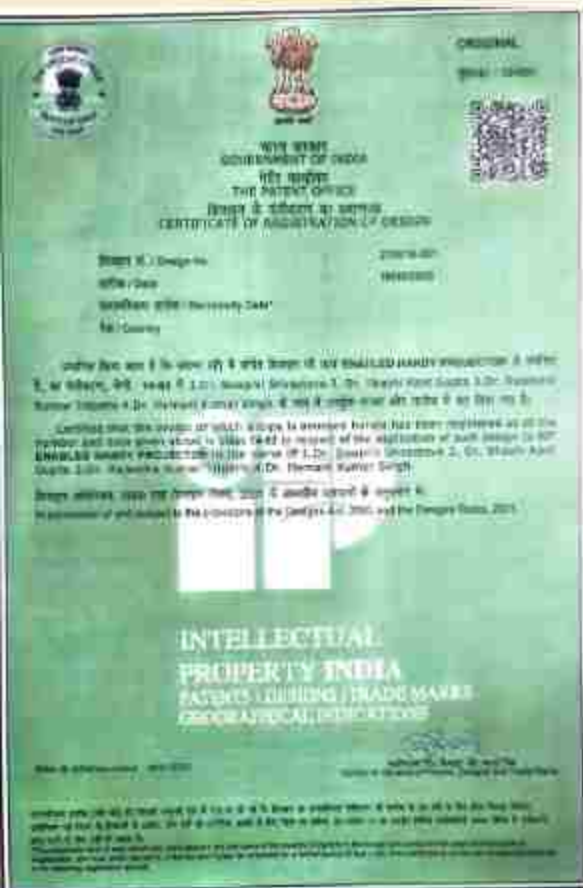
36.	B.K. Dwivedi Economics of water and the Environment: A challenge for hydrology. The Indian Journal of Economics. ISSN: 0019-5170. UGC APPROVRD.
37.	B.K. Dwivedi Energy crises: Energy within Environmental constraints. TERI Information Digest on Energy and environment.
38.	B.K. Dwivedi Sediments dynamics of rivers and its technical solution : A case study of Ganga river at Prayagraj. Journal of the Institution of Public Health Engineers, India.
39.	B.K. Dwivedi Advanced Challenges of urban wastewater and its Management strategies. Journal of the Institution of Public Health Engineers, India. 51(2) 5-24.
40.	B.K. Dwivedi Aquifer (hydro geological) study of southern areas of Prayagraj, India. Asian Journal of Water, Environment and Pollution. ISSN: 1875-8568. SCOPUS, UGC APPROVRD.
41.	V. K. Singh Changing trends in Indian retail sector & FDI, UP College Journal
42.	V. K. Singh Breaking Through Glass Ceiling, "Omen in Management". IMR Management Steak
43.	A. Krishna In silico design of a dual TPR/TxS inhibitor for Venous thromboembolism and related cardiovascular diseases
44.	A. Krishna Can. J. Chem, Vol.92(4), 284-292, 2014. Algae as a biosorbent for the heavy metal removal from Tannery waste water.
45.	A. Chatterjee Marketing Strategy for One District One Product Plan With Special reference to Uttar Pradesh Volume 68 January 2020 OUR HERITAGE JOURNAL 0474-9030
46.	A. Chatterjee Combating Covid-19 Pandemic Lockdown-Concerns Regarding Health and Livelihood of Chikan Crafts Women. Volume 16 July 7 JOURNAL OF SHANGHAI JIAOTONG UNI

**Department of Applied Science and Humanities****PATENTS**

S. No.	Patent application no.	Inventor(s) name	Title of the patent	Patent published date	Patent publication number	International/ national	Status
1	370918-001,	Dr. R K tripathi	Iot enabled handy projector	09/01/2023	370918-001,	National	Published
2	20 2022 106 961	Dr. R K tripathi	Electronic commerce supply chain management system for decorative materials using machine learning)	09/01/2023	20 2022 106 961	International	Published
3	202211055169	Dr. R K tripathi	A system and method for high speed neuron implementation using Vedic mathematics	7/10/2022	202211055169	National	Published
4	6295324	Dr. R K tripathi	Smart portable industrial hydraulic drum lift machine	17/7/2023	6295324	International	Published
5	2023110436518a	Dr. R K tripathi	Method of providing definitive blood circulation of heart using machine learning model	4/8/2023	2023110436518a	National	Published
6	6403642	Dr. B. K. Dwivedi	Sensor based wireless device for environmental monitoring	18/11/2024	6403642	International	Published



Department of Applied Science and Humanities



Office of the Controller General of Patents, Designs & Trade Marks
Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India

INTELLECTUAL
PROPERTY INDIA
PATENTS, TRADE MARKS
& GEOGRAPHICAL INDICATIONS

Application Details	
APPLICATION NUMBER	2022105188
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	26/07/2022
APPLICANT NAME	1. Dr. Raghendra Singh 2. Dr. Rajendra Kumar Tripathi 3. Dr. P.N. Pathak 4. Dr. Chandrakant Kumar Singh
TITLE OF INVENTION	A SYSTEM AND METHOD FOR HIGH-SPEED NEURON IMPLEMENTATION USING VEC MATHEMATICS
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Request)	na@vecosapp.com
ADDITIONAL E-MAIL (As Per Request)	na@vecosapp.com
BANK (As Per Request)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	
PUBLICATION DATE (As Per Request)	07/09/2022

Application Status





Faculty of Engineering and Technology

Future Prospects

- Introducing M.Tech in the department of Biotechnology Engineering
- Introducing M.Tech in the department of Civil Engineering
- Focusing more on innovation in green and sustainable engineering solutions in response to climate change and environmental concerns.
- Emphasis on entrepreneurship, launching startups in areas such as fintech, agritech, and healthtech.
- Interdisciplinary research combining engineering with fields like biology, medicine, and environmental science.
- Global collaboration in research and education to expand, offering students and faculty more opportunities for international projects and exchanges
- To provide greater support for innovation, helping students and faculty develop products, file patents, and launch startups through incubation centers



Thankyou !