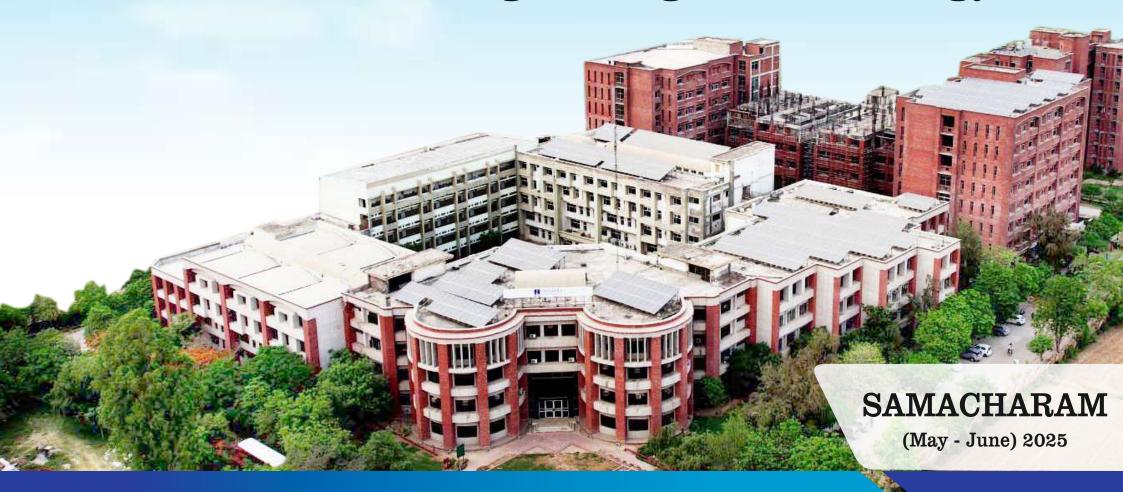


India's Truly Global University is Now also at Agra

Anand School of Engineering and Technology



EVENT ORGANIZED - 1 PARENT-TEACHER MEETING - 1 PROJECT EXHIBITION - 1 AWARENESS SESSION PRE-BOS MEETING - 1 ORGANIZED - 1 MEMORANDUM OF UNDERSTANDING - 1 FACULTY BODY MEETING - 1 BOARD OF STUDIES MEETING - 2 CELEBRATES WORLD ENVIRONMENT DAY - 1 INTERNATIONAL YOGA DAY - 1 FAREWELL (CSE) - 1 **PATENT CERTIFICATE - 1 PARTICIPATION CERTIFICATE - 3 BOOK PUBLISHED - 2**

JOURNAL PAPER - 1

ORGANIZED AN EXCITING HACKATHON (CODATHON) ON HACKERRANK

Students of Anand School of Engineering and Technology, Sharda University Agra, in collaboration with IIC, organized an exciting Hackathon (Codathon) on HackerRank, where over 100 participants from B.Tech, BCA, and MCA showcased their skills in a 3-hour coding marathon involving algorithmic challenges and real-world problem-solving, under the visionary guidance of Prof. (Dr.) Jayanthi Ranjan (Vice-Chancellor) and Prof. (Dr.) R. Swaminathan (Dean, ASET), effectively fostering a bridge between academia and industry.







SUCCESSFULLY HOSTED THE PROJECT EXHIBITION 2025

Anand School of Engineering and Technology, Sharda University Agra, successfully hosted the Project Exhibition 2025 -a celebration of innovation, creativity, and engineering excellence, where final-year students showcased their technical skills and problem-solving abilities through interactive models and prototypes.

The event was graced by Hon'ble Vice-Chancellor Prof. (Dr.) Jayanthi Ranjan and other esteemed academic leaders, the event was a grand success thanks to the support of faculty, mentors, and our brilliant students.

Huge congratulations to all participants and heartfelt thanks to the organizing team for making this event unforgettable!









PARENT TEACHER MEETING 2025!

Sharda University Agra successfully hosted Parent-Teacher Meeting 2025! The event focused on students' academic progress and holistic development, strengthening the vital bond between parents, teachers, and the university community. Over 150 parents actively participated, joining hands with faculty to support student success. Hon'ble Vice-Chancellor Prof. (Dr.) Jayanthi Ranjan led open and insightful discussions on student welfare.

Heartfelt thanks to everyone who contributed to making PTM 2025 a meaningful and impactful event!









ORGANIZED AN IMPACTFUL CYBERSECURITY AWARENESS SESSION

Anand School of Engineering and Technology, Sharda University Agra, in collaboration with Cisco, NIIT Foundation, and IIC, organized an impactful Cybersecurity Awareness session under the Cyber Suraksha Plus campaign, where Mr. Kartik Bhardwaj (Master Trainer – Cisco, NIIT Foundation) delivered an engaging talk on phishing, online fraud, and digital safety, inspiring B.Tech, BCA, MCA, and B.Pharm students to explore both protective strategies and career opportunities in cybersecurity, all under the guidance of Prof. (Dr.) Jayanthi Ranjan (Vice Chancellor) and Prof. (Dr.) R. Swaminathan (Dean, ASET & IIC President).









SIGNING OF A MEMORANDUM OF UNDERSTANDING (MOU)

Sharda University Agra is proud to announce the signing of a Memorandum of Understanding (MoU) with Care Skills Academy Pvt. Ltd., Noida, aimed at enhancing collaborative initiatives in skill-based education, industry training, and capacity building.

The agreement was signed on behalf of Care Skills Academy by Dr. Santosh Upadhyay, Managing Director & CEO, and our Hon'ble Vice Chancellor, Prof. (Dr.) Jayanthi Ranjan, and in her absence, Prof. (Dr.) R. Swaminathan, Dean – ASET, represented the University during the MoU signing ceremony held at the CSA Campus in Noida.

This partnership is a step forward in bridging the gap between academia and industry by empowering students with practical skills and employability-focused training.





ASET ORGANIZES INTERSCHOOL ONLINE VOCABULARY QUIZ "LEXALITE" WITH GREAT ENTHUSIASM

Anand School of Engineering & Technology (ASET), Sharda University, Agra, successfully organized an engaging online Interschool Vocabulary Quiz Competition titled "LEXALITE" on May 20, 2025. The competition aimed to encourage participants to expand their vocabulary and improve comprehension skills in a healthy academic environment. Open to all ASET students of the university, the event promoted digital participation and witnessed enthusiastic involvement from students across various departments.

The event was successfully coordinated by Dr. Hemlata Jain and Mr. Ravi Kumar.

We express our sincere thanks to Prof. (Dr.) R. Swaminathan, Dean – ASET for continuous support and guidance.

A sincere thanks and gratitude to our Hon'ble Vice Chancellor, Pro.(Dr.) Jayanthi Ranjan for her unwavering encouragement and support that continues to inspire such student-centric initiatives.







SUCCESSFUL CONDUCTION OF THE PRE-BOARD OF STUDIES (PRE-BOS) MEETING

Anand School of Engineering and Technology (ASET), Sharda University Agra, successfully conducted the Pre-Board of Studies (Pre-BoS) meeting on 23rd May 2025 for the academic year 2025-26.

All Heads of Departments presented their proposed schemes and curriculum frameworks, with enthusiastic participation from faculty members who shared valuable insights and feedback.

A heartfelt thank you to our Honourable Vice Chancellor, Prof. (Dr.) Jayanthi Ranjan ma'am, for her unwavering support and encouragement. Special appreciation to Prof. (Dr.) R. Swaminathan, Dean – ASET, for his inspiring leadership and guidance to all HoDs throughout the session. This successful Pre-BoS has laid a strong foundation for our academic planning and curriculum development. Here's to a progressive and impactful academic year ahead.









FACULTY BODY MEETING

The Faculty Body Meeting of Sharda University, Agra, was held on May 29, 2025. The meeting commenced with a welcome address by the Hon'ble Vice Chancellor, Prof. (Dr.) Jayanthi Ranjan. Heads of the departments shared their key achievements and outlined strategic roadmaps, offering valuable insights to the faculty fraternity of SUA.

The Hon'ble Vice Chancellor concluded the session by presenting the University's five-year strategic goals and aspirations, setting a visionary direction for the institution's future growth and development













ORGANIZED THE BOARD OF STUDIES (BOS) MEETING

Anand School of Engineering and Technology, Sharda University Agra has successfully organized the Board of Studies (BoS) meeting on 31st May 2025. This significant academic event marked a meaningful step towards curriculum enrichment, academic innovation, and the continuous advancement of our teaching and learning standards.

The meeting was honored by the valuable presence and active contributions of the following eminent external faculty members:

Prof. (Dr.) D. P. Kothari, Professor Emeritus, Retd-IIT-Delhi, Former Vice Chancellor VIT Vellore.

Prof. (Dr.) V. Premyara, Prof. Emertius, DEI, Agra.

Prof. Dr. Manu Pratap Singh, CSE, Dr. B.R. Ambedkar University Agra.

Mr. Ajay Anand, General Manager, Samsung Mobile Division.

Dr. Vibhav Pratap Singh, Asst. Prof. CSE, MNNIT Allahabad



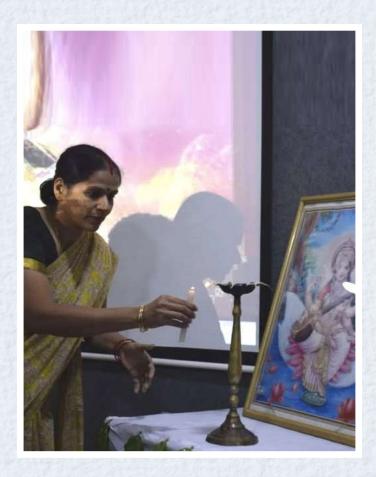




CELEBRATES WORLD ENVIRONMENT DAY

Anand School of Engineering and Technology, Sharda University, Agra, Celebrates World Environment Day with Green Initiatives and Inspiring Dialogues.

Agra, June 5 - The Anand School of Engineering and Technology (ASET) marked World Environment Day 2025 with a series of impactful initiatives aimed at promoting environmental consciousness and sustainable living. The celebrations commenced with an enlightening address by the Hon'ble Vice Chancellor, Prof. (Dr.) Jayanthi Ranjan, whose words inspired the audience to commit themselves to environmental preservation. She invoked a call to virtue and sustainability.







INTERNATIONAL YOGA DAY 2025 AT SHARDA UNIVERSITY, AGRA

The Sharda University, Agra campus came alive with positive energy and spiritual enthusiasm as we celebrated International Yoga Day 2025 with great zeal and active participation.

From students to faculty, everyone united in the true spirit of Yoga for Humanity. The event began with invigorating yoga sessions led by expert instructors, followed by breathing exercises, meditation, and motivational talks on the benefits of a balanced lifestyle.

Let's continue to embrace yoga as a way of life and move together toward a healthier, happier tomorrow.









FAREWELL 2025 | CSE, ASET, SHARDA UNIVERSITY, AGRA

The Department of Computer Science and Engineering (CSE), ASET, Sharda University, Agra, organized "ByteBye 2025", a heartfelt farewell ceremony for the graduating Class of 2025.

Prof. (Dr.) Jayanthi Ranjan, Hon'ble Vice Chancellor, conveyed her best wishes to the outgoing students, appreciating their hard work and dedication.

Prof. (Dr.) R. Swaminathan, Dean ASET, emphasized the importance of building strong technical foundations along with a value-based approach to life, encouraging students to uphold the university's spirit of innovation and excellence.

Prof. Achal Kumar, Head of the CSE Department, addressed the gathering with motivational words, highlighting the importance of maintaining balance in life and inspiring students to be responsible ambassadors and torchbearers of the university's values.







PATENT OF AI POWERED HEALTHCARE CHATBOT FOR SYMPTOM DIAGINOSIS AND MEDICAL GUIDANCE



Office of the Controller General of Patents, Designs & Trade Marks Department for Promotion of Industry and Internal Trade Ministry of Commerce & Industry, Government of India



Application Details	
APPLICATION NUMBER	202541035718
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	11/04/2025
APPLICANT NAME	1 . Dr. Heena Kousar 2 . Dr. S. Santiago 3 . Dr. Swaminathan Ramamurthy 4 . Prof. Sivakumar. N 5 . Amos. R 6 . Prof. Dr. Rahul Sharma 7 . Rekha S 8 . Pranjali Swapnil Thakre 9 . D. Dinesh Kumar 10 . Vidhya R 11 . Rajeev Agrawal 12 . Dr. Shilpa Pahwa
TITLE OF INVENTION	Al-Powered Healthcare Chatbot for Symptom Diagnosis and Medical Guidance
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
E-MAIL (As Per Record)	mail2patentipr@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	25
PUBLICATION DATE (U/S 11A)	09/05/2025



Prof (Dr.) R. Swaminathan Dean ASET, SUA

BOOK PUBLISHED

About the Editors



Ms. Anu Sharma is an Associate Professor of Pharmaceutical Chemistry at Metro College of Health Sciences and Research, With 10 years of teaching experience, she has made significant contributions to academia through national and international publications. She also holds two patents, showcasing her expertise in research and innovation. Her work reflects a strong commitment to advancing pharmaceutical sciences.



Dr. Shalini Pathak is an Assistant Professor at the Amity Institute of Biotechnology, Amity University Madhya Pradesh, Gwallor, where she actively teaches and menters graduate and postgraduate students in frontier areas of Biotechnology. With seven years of teaching and eight years of research experience, her expertise spans Plant Biochemistry, Plant Physiology, Crop Improvement, Environmental Biotechnology, and Micropropagation of important crop plants. She has been awarded two UK Design Patents and has published nine Scopus-indexed research papers, with an Hladex of 5, 110-index of 2, and 91 citations, Dr. Pathak has presented 14 research

papers at national and international conferences and is a Life Member of the Range Management Society of India, IGFRI, Ibanis. She has received several prestigious swards, including the ICAR-ASRB NET eligibility for Lectureship (2008), the Beat Poster Award (2010), and nonimitations for the Young Scientist Award. Additionally, she has been awarded Senior Research Fellowship (SRF) and Research Associate (RA) Fellowships by the Indian Council of Agricultural Research (ICAR). Her significant contribution to germplasm registration was recognized with a Special Achievement Award on the Golden Jubilee Poundation Day of HGFRI, Ibans, in 2012.



Ms. Bharna has MSc degree in food and Nucrition and M.Ed. from Kurukshetra thiversity, Haryana. She has a strong background in Horne Science education, especially in food and nutrition, and a keen editorial eye for academic and educational manuscripts. She specializes in editing books, research papers, and study materials related to nutrition, human development, home management, and sustainable living. She has been a lecturer in the Haryana Government since 2017.



Dr. Pankaj Mittal, M.Sc., M.Phil., CSIR-NET (Chemical Sciences), UPSLET, Ph.D., is presently working as Assistant Professor in the Department of Applied Sciences (Chemistry) in Anand Engineering College, Sharda Group of Institutions, Agra. He has teaching experience of 24+ years His Research area of interest is Chemistry, Environmental Science, Organometallic compounds, Nanonaterials and Macrocyclic compounds. He has published more than 22 research papers/articles in various National and International Journals including Hook chapters in different books having (SSN /1SBN, 3 patents and 4 books. He has attended 80- conferences.

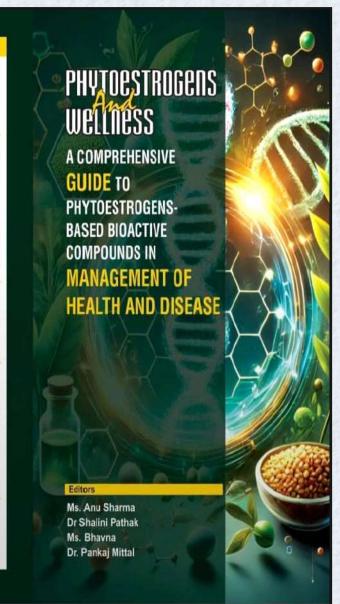
workshops, online courses, FDPs, STTPs, certification courses and webinars. He is a Life Fellow member of various professional bodies, viz. ICC, ISCA, RIF and ACT. He has received BEST RESEARCHER AWARD in 2021 and Shri Anupam Sonha Best Chemistry Teacher Award (2024) by Association of Chemistry Teachers. He has worked as Sectional President in the various International Virtual/Science Congress. He is a member of the Editorial Board of the International Research Journal of Environmental Sciences, ISCA, Indore, M.P., India.



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Dr. Pankaj MittalApplied Sciences (Chemistry)

CERTIFICATION OF PARTICIPATION ON YOGA SANGAM



www.agra.sharda.ac.in



Mr. Ravi Kumar
Assistant Professor/ME

CERTIFICATE OF PRESENTATION ON - ADVANCEMENTS IN POWER, COMMUNATION AND INTELLIGENT SYSTEMS









2nd INTERNATIONAL CONFERENCE ON

ADVANCEMENTS IN POWER, COMMUNICATION AND INTELLIGENT SYSTEMS (APCI 2025)

27th - 28th JUNE 2025

GOVERNMENT COLLEGE OF ENGINEERING KANNUR, KERALA

CERTIFICATE OF PRESENTATION

This is to certify that the paper entitled

Elevating Security Measures in Ad Hoc Networks: An Intrusion Detection Approach with Deep Learning

Authored by

Medha Khenwar, Dr. Ankur Sisodia, Swati Vishnoi, Simran Chuqwani, Rashmi Bhardwaj, Nandini Sharma

has been presented at the 2nd International Conference on Advancements in Power, Communication and Intelligent Systems (APCI 2025) organized at Government College of Engineering Kannur, Kerala, India from 27th to 28th June 2025.

S. Unday

Dr. Umasankar S. General Chair, APCI 2025 Sajest

Dr. Sajesh Kumar U. General Chair, APCI 2025 JIL

Dr. Sreekumar C. Principal, GCE Kannur



Mrs. Nandini Sharma
Assistant Professor/CSE

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Machine learning-based health risk assessment of fluoride and nitrate in indian drinking water: A systematic review

Shahjad Ali 3, Rajesh Kumar Deolia 4, Azhar Shadab 5, Raisul Islam 4, Mohammad Usama 5, Salman Ahmed , Athar Hussain , Kamlesh Deshmukh , Ali Akbar Mohammadi di G

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ARTICLEINFO

Keywords: Fluoride Health risk acceptm Machine learning models

Potable water

ABSTRACT

This systematic review examines the health risk assessment of fluoride and nitrate concentrations in drinking water sources across India. 1250 studies on fluoride and nitrate in Indian waters were examined between 2015 and 2024; following thorough evaluation and exclusion, 55 high-quality, pertinent papers were chosen. The results were shown using a geographic information system (GIS) and corresponding zoning maps. Alarmingly, more than 40 % and 50 % of samples investigated exceeded the allowable level set for fluoride and nitrate concentration in potable water 1.5 mg/L and 50 mg/L, poting potential Health risks. The results indicated that the HO of fluoride and nitrate across all targeted groups (children, teenagers, and adults) exceeded 1. The HO values were 3.206, 2.466, 1.9764 for fluoride and 6.487, 4.99, 3.998 for nitrate. Significantly, the order of vulnerability was children > teenagers > adults, with children being the most vulnerable group to fluoride and nitrate consumptions in the investigated locations. This research study shows that a detailed investigation of the hydro geochemistry of fluoride and nitrate can predict groundwater quality zones of the state using machinelearning techniques, viz., artificial neural network (ANN) and extreme gradient boosting (XGBoost) regression. The ANN and XGBoost models, with their high R2 values of 0.9991 and 0.9992 in training, and 0.9868 and 0.8943 in testing, inspire confidence in their predictive power. The average RMSE values during training were 0.0441 and 0.0067 for flooride. Similarly, the R2 values of 0.9998 and 0.9985 in training, and 0.9956 and 0.9448 in testing, along with the average RMSE values of 0.0441 and 0.0067 for nitrate, further reinforce the models' predictive capabilities. Therefore, fluoride and nitrate amounts must be measured in diverse water sources to determine the optimal removal technique and limit human health risks.

1. Introduction

The availability of clean, safe drinking water is a significant problem for millions worldwide. Groundwater is the principal source of drinking water in rural and semi-arid locations, making fluoride pollution a significant public health concern. Although fluoride is a naturally

occurring element beneficial in small amounts for preventing dental caries, its excessive intake may result in irreversible dental and skeletal fluorosis, which can have severe fiscal implications (Raza et al., 2017; Chen et al., 2024). The problem looks acute, especially in developing countries like India, where rapid industrialization and agricultural activities have further spoiled the situation (2hu et al., 2023). Studies have

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BOOK PUBLICATION- DEEP LEARNING AND IOT

DEEP LEARNING AND IoT



B. Amarnath Naidu Mrs. D. Thangamari Er. Sarabjit Kaur Bishnu Deo Kumar

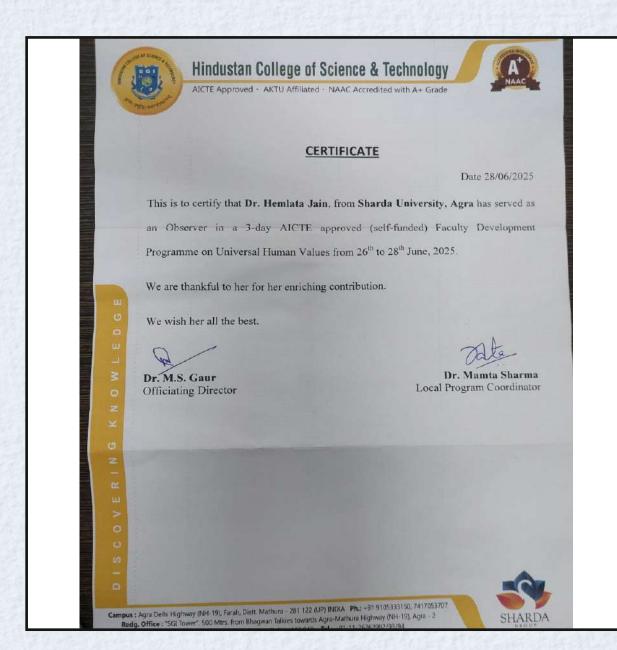


Deep Learning and IoT (ISBN: 978-93-49818-75-0)



Mr. Bishnu Deo Kumar Assistant Professor/ECE

FDP CERTIFICATE ON- UNIVERSAL HUMAN VALUES



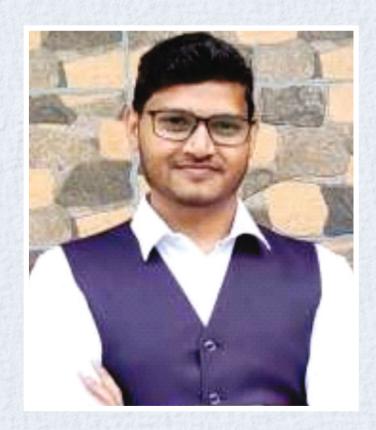


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