



**SHARDA**  
**UNIVERSITY**  
AGRA

# SHARDA UNIVERSITY AGRA (SUA)

*INDIA'S TRULY GLOBAL UNIVERSITY IS NOW ALSO AT AGRA*

**SAMACHARAM-2024**

DECEMBER 05 – JANUARY 05

**ANAND SCHOOL OF ENGINEERING  
AND TECHNOLOGY**



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# THRILLING SPORTS EVENT

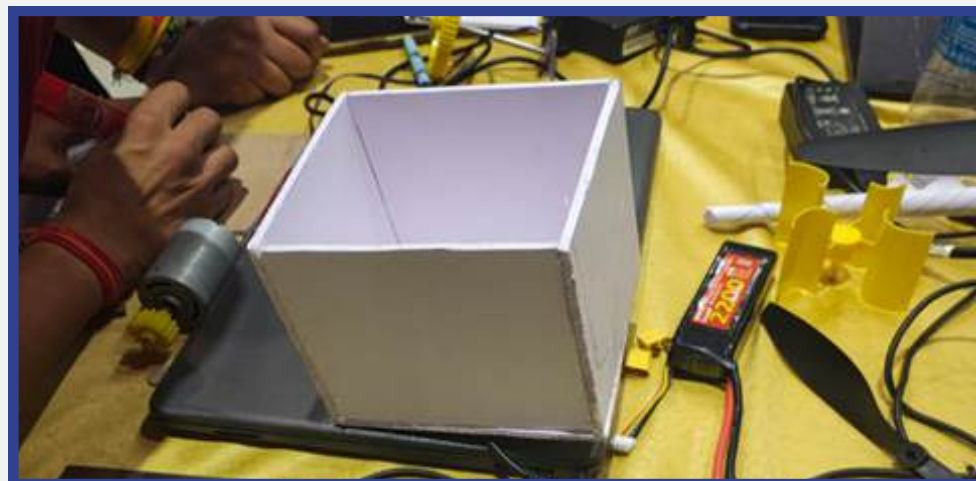


Sharda University Agra Hosts Thrilling Sports Event Organized by ASET Agra, 7th December 2024. The Anand School of Engineering and Technology (ASET) at Sharda University Agra hosted an exhilarating sports event today, bringing together students and faculty for a day filled with energy, competition, and sportsmanship. The event was inaugurated by Hon'ble Vice-Chancellor Prof. (Dr.) Jayanthi Ranjan, Dean of ASET, Prof. (Dr.) R. Swaminathan, and Dean of SSBS, Prof. (Dr.) Sachin Srivastava. Prof. (Dr.) Jayanthi Ranjan emphasized the importance of physical activities for maintaining a healthy and balanced mind. To show her commitment, she participated in a cricket match, inspiring everyone with her active involvement. Prof. (Dr.) R. Swaminathan, Dean of ASET, expressed his enthusiasm for sports and highlighted their role in the holistic development of individuals. He underscored that faculty members should lead by example by prioritizing physical and mental.



# CONSOLATION PRIZE IN THE SMART INDIA HACKATHON

The Consolation Prize in the Smart India Hackathon 2024, organized by AICTE. This success was made possible through everyone's unwavering support and good wishes. Our heartfelt gratitude goes to our beloved Hon'ble Vice Chancellor, Prof. (Dr.) Jayanthi Ranjan, our caring Dean, Prof. (Dr.) R. Swaminathan, our dedicated HoDs, Mr. Rahul Agrawal (ECE), and Mr. Achal Kumar (CSE), for their constant guidance and encouragement. We extend special thanks to Mr. Dinakaran M. Sir for the innovative project concept, Dr. Ravindra Tomar Sir for his invaluable motivation and guidance, and Ms. Archana Singh and the Drone Center of Excellence team for their support throughout this journey. A sincere thank you to every member of the Sharda family for their encouragement and contributions, which played a vital role in this remarkable achievement





# WORLD EDUCATION FESTIVAL



It is a matter of pride to inform you that our Honourable Vice Chancellor Madam, was invited to the 3rd WORLD EDUCATION FESTIVAL, CONCLAVE AND AWARDS 2024 to enlighten the August gathering with her thoughts on Developing Future Leaders: Skills Beyond Technology. The event was inaugurated by Shri Raj Bhushan Choudhary, Hon'ble Minister of State, Ministry of Jal Shakti, Government of India, New Delhi along with Shri Wennyie Konyak, Resident Commissioner, New Delhi Government of Nagaland and Dr. Chandrasekhar Buddha, Chief Coordinating Officer, AICTE, Ministry of Education. The event was attended by approximately 50 Vice-Chancellors, Pro Vice-Chancellor and Directors from Higher Institutes of Repute.





# ONE-DAY INDUSTRIAL VISIT

The Anand School of Engineering and Technology at Sharda University Agra organized One-day industrial visit to Noida for students of the Drone Club under the Drone Center of Excellence. As part of the visit, students explored Indo Wings, located in Sector 60, Noida, where they had the privilege of interacting with: Mr. Neeraj Pradhan, Chief Technical Officer, Indo Wings. Mr. Yash Deep Srivastava, Research and Development Engineer, Indo Wings Both experts shared invaluable insights into drone technology and its promising career opportunities. Additionally, students visited Care Skill Academy, Sector 6, Noida, where Dr. Santosh Upadhyay shared his professional journey. He provided practical guidance on startups and entrepreneurship, inspiring students to consider innovative career pathways.





# HANDS-ON WORKSHOP ON "WELCOME TO PROGRAMMING"



The Anand School of Engineering and Technology at Sharda University Agra organized Hands-On Workshop on "Welcome to Programming". The Access Denied Club of the (ASET), Sharda University, Agra, conducted a hands-on workshop titled "Welcome to Programming" on 18th December 2024. With over 135 students from various streams participating, the event highlighted the enthusiasm for learning programming fundamentals. Prof. (Dr.) Jayanthi Ranjan, Hon'ble Vice-Chancellor of Sharda University, praised the initiative, emphasizing the importance of such workshops in equipping students with essential technical skills. Prof. (Dr.) R. Swaminathan, Dean of ASET, also lauded the club's efforts, encouraging them to continue fostering innovation and collaboration. The workshop featured interactive sessions by Sampann Katiyar, Mahak Jain, and Vanshika Gupta, who skillfully shared their knowledge and provided practical programming insights.



# CELEBRATED KISAN DIWAS

Sharda University Agra's Anand School of Engineering and Technology celebrated Kisan Diwas on 23/12/2024 with great enthusiasm and reverence, honoring the contributions of our farmers and fostering awareness about agricultural advancements. We were privileged to have Shri Omvir Singh, Rastriya Upadhyaksha Bhartiya Kisan Union Lok Shakti as our Chief Guest, along with Shri K.P. Singh Thainuan, National President, Gaon Kisan Unnayan as our Guest of Honour, the esteemed Pradhans Shri Amitji (Pradhan Arsena), Shri Dhramveer Chaudhary (Pradhan Ghadaya), Shri Veerpalji (Pradhan Badrinath), Shri Raju Singh ji (Pradhan Raipura), Shri Pintu Singh Ji (Pradhan Singhna). The event was graced by insightful presentations from our Drone Centre of Excellence team and faculty, aimed at empowering our farmers with knowledge and technology.





# FACULTY SEMINAR



The Anand School of Engineering and Technology at Sharda University Agra organized a faculty seminar on Topic "In-Silico Drug Designing," led by Mr. Pramod Gware. The session provided insights into computational techniques that are transforming the drug discovery process by reducing costs and timelines.

## Key Highlights:

1. Overview of In-Silico Methods: Computational tools like molecular docking, QSAR, and molecular dynamics were discussed as critical to drug discovery.
2. Applications: Successful use cases in target identification, disease research, and lead optimization were presented.
3. Advantages: Cost-effectiveness, reduced animal testing, and efficient exploration of chemical spaces.
4. Challenges: Data accuracy, software limitations, and the need for experimental validation.

Conclusion: Mr. Pramod Gware emphasized the importance of adopting in-silico techniques in pharmaceutical research, inspiring new collaborations and research initiatives among faculty members. The seminar was well-received and served as a valuable learning experience.





# NPTEL ONLINE CERTIFICATION

**Elite**

**NPTEL ONLINE CERTIFICATION**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**VIKAS SHARMA**  
for successfully completing the course

**Fundamentals of Manufacturing Processes**

with a consolidated score of **78 %**

Online Assignments	22.78/25	Proctored Exam	55.5/75
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Total number of candidates certified in this course: **584**

*Kaushik Ghosh*  
Prof. Kaushik Ghosh,  
Professor (Chemistry)  
Coordinator CEC

**Jul-Oct 2024**  
(12 week course)

*Ranjana Pathania*  
Prof. Ranjana Pathania,  
Professor (BSBE)  
Coordinator (NPTEL)

 Indian Institute of Technology Roorkee

 **swayam**  
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Roll No: NPTEL24ME123S1054000931 To verify the certificate  No. of credits recommended: 3 or 4



**Vikas Sharma**  
Assistant Professor  
(Mechanical Engineering)



# AUTO CAD CERTIFICATION



**RAVI KUMAR**  
**Assistant Professor**  
**Mechanical Engineering**



# Patent Granted

**FORM 2**

THE PATENTS ACT, 1970

(39 of 1970)

&

The Patent Rules, 2003

**COMPLETE SPECIFICATION**

(See section 10 and rule 13)

**TITLE OF THE INVENTION**

"Real-time battery discharge prediction for Electric Vehicles using Machine

Learning algorithms"

**Applicant(s)**

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8. Dr. S. M. Prakash	Indian	Assistant Professor, Department of Chemistry, St. Joseph's College of Engineering, Chennai, Tamilnadu, India, Pincode: 600119

The following specification particularly describes the nature of the invention and



Dr. Puneet Kumar  
Assistant Professor/EE



Mr. Jalad Gupta  
Assistant Professor/EE



# Patent Granted

## Intelligent Wearable IoT Device for Road Safety with Advanced Gesture Detection via Machine Learning

### Intelligent Wearable IoT Device for Road Safety with Advanced Gesture Detection via Machine Learning

#### Design System:



Fig 1. User performs pre-defined hand gestures

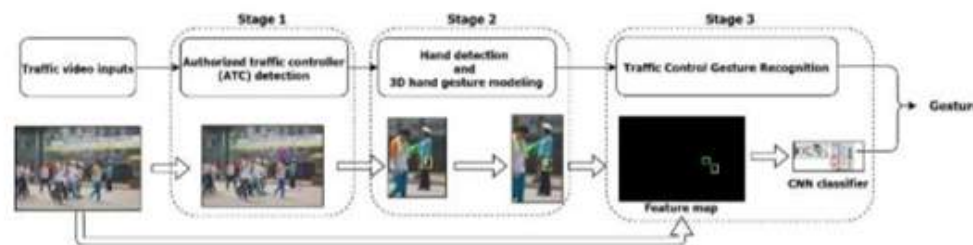


Fig 2. Authorized Traffic Controller Hand Gesture Recognition

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  
(<http://ipindia.nic.in/index.htm>)

Application Details

APPLICATION NUMBER	202441091927
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	25/11/2024
APPLICANT NAME	1. Dr. S.P. MANIKANDAN CMR UNIVERSITY, Bengaluru 2. Mr.ABITH G R, St.Joseph's Institute of Technology, Chennai 3. Dr.K.SUNDRAMADIVELLU, Madurai Kamaraj University, Madurai 4. Mr.DHINAKARAN M, Sharda University,Agra 5. Dr.K.RAVIKUMAR, Dhanaalakshmi Srinivasan College of Engineering and Technology, Chennai 6. Dr.G.SIMI MARGARAT, New Prince Shri Bhuvan College of Engineering and Technology, Chennai 7. Mr.ARUN KUMAR RANGARAJU, Freddie Mac, USA 8. Dr.T.PRABHU, Dr. MGR Educational and Research Institute, Chennai 9. Dr.J. PARAMESH, Saveetha Engineering College,Chennai
TITLE OF INVENTION	Intelligent Wearable IoT Device for Road Safety with Advanced Gesture Detection via Machine Learning
FIELD OF INVENTION	COMPUTER SCIENCE

Application Status

APPLICATION STATUS: **Awaiting Request for Examination**

View Documents

➡ Filed ➡ Published ➡ RQ Filed ➡ Under Examination ➡ Disposed

In case of any discrepancy in status, kindly contact [ipo-helpdesk@nic.in](mailto:ipo-helpdesk@nic.in)



Mr. Dhinakaran M  
Assistant Professor/ECE



# Patent Granted

12/25, 10:42 AM Intellectual Property India

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**inPASS** (<http://ipindia.nic.in/index.htm>)  
 Indian Patent Advanced Search System

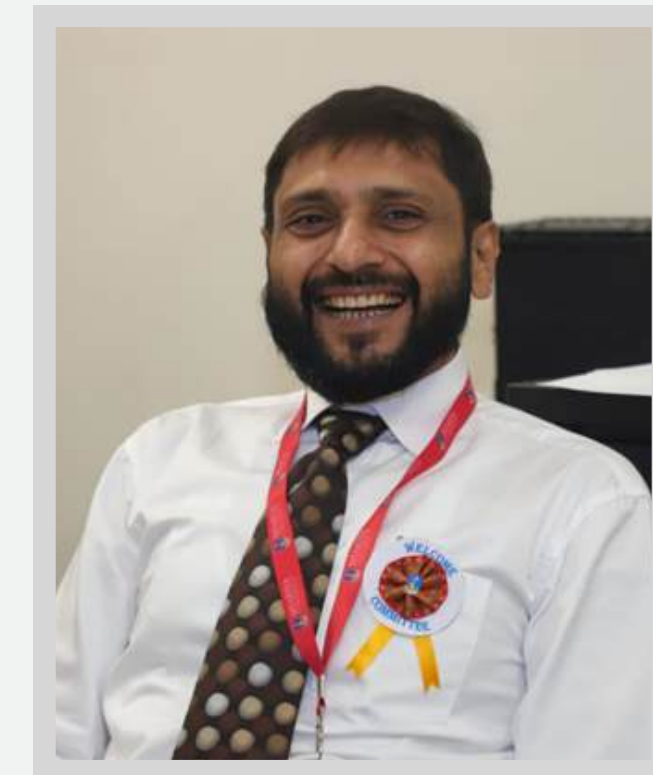
**Patent Search**

Invention Title	Locally Adaptive Contrast Improvement for Underwater Image Enhancement
Publication Number	45/2024
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Application Filing Date	05/11/2024
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	MECHANICAL ENGINEERING
Classification (IPC)	B63G2008000000, G06T2007000000, G06T2003400000, G06T2003300000, G06D0001000000

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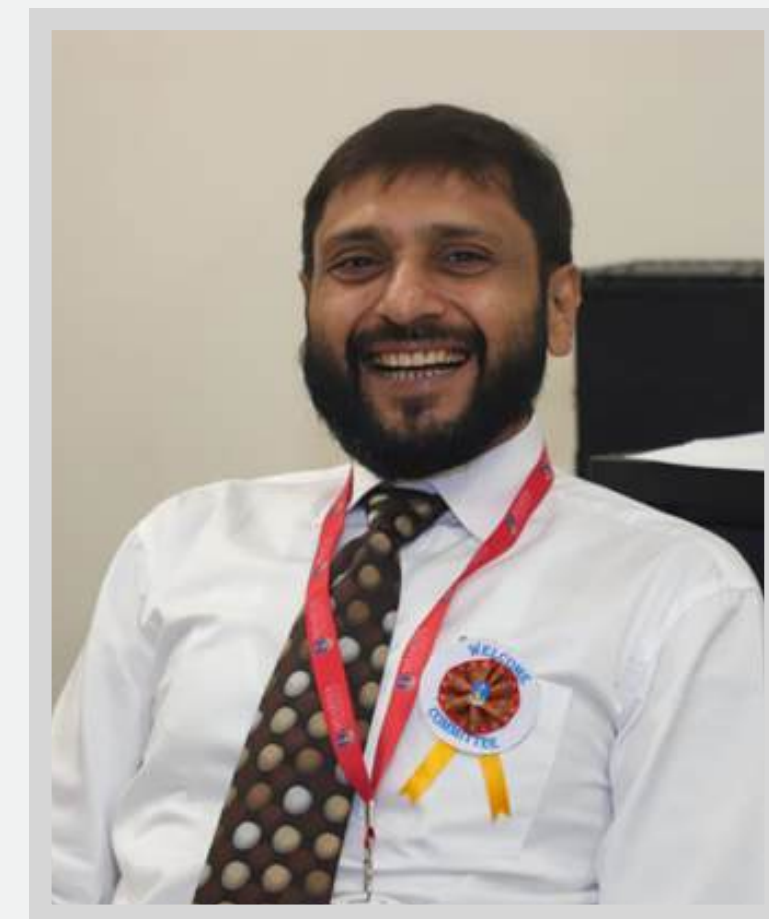
<https://ipresearch.ipindia.gov.in/Publication/Patent/PublicationDetails/PatentSearch>



**Mr. Rahul Argarwal**  
 Assistant Professor/ECE

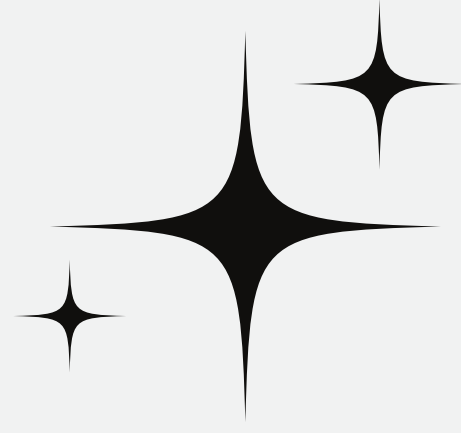


# CCIS - CERTIFICATION



**Mr. Rahul Agarwal**  
**Assistant Professor/ECE**





THANK  
YOU

