### Achievements

### Patents

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Title of Invention** | **Applicant / Inventors from ABESEC** | **Status** | **Year** | **Application ID** |
| Transforming Learning with Systematic Eye-Tracking Techniques | Kavita, Pooja Pathak, Manidipa Roy, Priyanka Bhardwaj, Sanjay Kumar Singh | Published | 2023-24 | **202311081657** |
| Innovative Assistance System for Enhancing Education among Physically Challenged Individuals | Anupam Singh, Shivam Singh, Geetanjali Raj, Manidipa Roy, Jugul Kishor, Manish Zadoo, Priyanka Bhardwaj, Sanjay Kumar Singh | Published | 2023-24 | **202311081831** |
| An Intelligent System for Residential Protection from Wild Animals | Geetanjali Raj, Anupam Singh, Ranjeeta Yadav, Ritu Agarwal, Ajay Suri, Manish Zadoo | Published | 2023-24 | **202311081830** |
| A Real-time based Remote Sensing system for Landslide Prediction and Monitoring with Geospatial Analysis | Pooja Pathak, Rajeev Pandey, Anupam Singh, Hitesh Tomar, Ritu Agarwal, Ajay Suri, Manish Zadoo | Published | 2023-24 | **202311081936** |
| Waterproof IoT based system for Remote Water Quality and Level Monitoring | Kavita, Manidipa Roy, Jugul Kishor, Manish Zadoo, Priyanka Bhardwaj, Sanjay Kumar Singh | Published | 2023-24 | **202311081937** |
| Tracking Device For Luggage | Ms. Tania Gupta; Ms. Khushbu Bansal; Anukrati Sharma ; Amit Bhatt ; Agnimitra Mishra | Published | 2022-23 | 202211075224 |
| Night Surveillance Drone with thermal Imaging | Ms. Upasana Sharma, Ms. Pallavie Tyagi, Ujjwal Jhanwar, Ujjwal Rana, Rishit Sithole, Siddhant | Published | 2022-23 | 202211075135 |
| Covid Safety Measuring System | Ms. Upasana Sharma, Vartika Chaurasia, Shantanu Naithani | Published | 2022-23 | 202211075136 |
| LoRa and Wi-Fi based weather station | Prof. (Dr.) Priyanka Bhardwaj Dr. Manidipa Roy Prof. (Dr.) Sanjay Kumar Singh, Divya Yadav, Jalaj Biswas, Karan Gupta | Published | 2022-23 | 202211074292 |
| Wheel chair with advanced communication | Dr. Manidipa Roy Prof. (Dr.) Priyanka Bhardwaj Prof. (Dr.) Sanjay Kumar Singh, Shruti Singh, Yash Yadav, Lalit Sharma | Published | 2022-23 | 202211061896 |
| Tracking System in Wireless Bluetooth earphones and neck bands | Ms. Geetanjali Raj  Shivangi Singh  Shrey Bhardwaj | Published | 2022-23 | 202211072989 |
| SMS based Intelligent Dustbin for Garbage Flooding Protection | Dr.Ajay Suri   Prof (Dr.) Sanjay Kumar Singh  Dr. Manish Zadoo | Published | 2022-23 | 202211073295 |
| Advanced Surveillance and Protection system-for Women(PRRS) | Dr. Manish Zadoo  Prof(Dr.) Sanjay Kumar Singh  Dr.Ajay Suri  Mr. Ayush Singh  Ms.Diksha Gupta  Mr.Bhavya pande | Published | 2022-23 | 202211075301 |
| An Intelligent Digital Power Management and theft prevention system for smart homes (SEEMS) | Dr. Manish Zadoo  Prof(Dr.) Sanjay Kumar Singh  Dr.Ajay Suri   Ms.Ekta Singh Yadav  Mr.Gurpreet Singh | Published | 2022-23 | 202211075507 |
| Encrypted Wearable electronic patch card for infant/toddler safety using AI | Ms. Pallavie Tyagi  Ms. Khusbu Bansal | Published | 2022-23 | 202211077068 |
| Biometric Electronic Voting Machine | Shilpa Srivastava, Pavni Sharma, Muskan Bhardwaj, Priyanshi Jhalanai | Published | 2022-23 | 202211077303 |
| Automatic Fire Detector and Extinguisher Robot | Md. Shahbaz Alam  Vishal Sharma  Vishwajeet Sharan Singh  Vishal Singh | Published | 2022-23 | 202211076547 |
| A wearable vocalizer based on hand gestures for dumb people | Ankit Jha  Akash Maurya  Aman Singh  Dr. Himani Garg | Published | 2022-23 | 202211076572 |

**STUDENT ACHIEVEMENT**

### College Toppers

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| SESSION | YEAR | UNIVERSITY ROLL NO. | NAME OF STUDENT | PERCENTAGE SCORED / YGPA | COLLEGE LEVEL RANK |
| 2022-23 | FINAL | 1900320310057 | DEVANSHI CHAUHAN | 9.19 | I |
| 1900320310132 | SAKSHI GUPTA | 9.05 | II |
| THIRD | 2000320310032 | ANSHIKA SINGH | 8.58 | I |
| 2000320310102 | MANVI PANKAJ | 8.53 | II |
| SECOND | 2100320310064 | KAVYA KUMAR TAYAL | 8.19 | I |
| 2100320310130 | TANU RAI | 8.17 | II |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **UNIVERSITY TOPPERS for SESSION 2022-23** | | | | | |
| **S.No.** | **STUDENT NAME** | **BRANCH** | **AKTU RANK** | **CGPA** | **AWARD** |
| **1** | **Ms. DEVANSHI CHAUHAN (1900320310057)** | **B.Tech. ECE** | **6th** | **9.19** | **Chairman Silver Medal & Rs 21,000** |



### Sports/ Cultural/Technical

|  |  |  |  |
| --- | --- | --- | --- |
| **Name of the Award/Medal** | **Sports/ Cultural/Technical** | **Name of the student** | **Session** |
| **4th position in Battle of Bands conducted by Amar Ujala at Sharda University on 9th March 2024** | **Cultural** | **Mr. Udbhav Sharma** | **2023-24** |
| **2nd Position in Intercollege Annual Sports Fest RANN’24 at KIET** | **Sports** | **Mr. Shivam Singh** |
| **1st Position in Institution Idea Competition held at ABESEC from 9-15 Jan 2024** | **Technical** | **Ms. Kanika Agarwal** |
| **Best Idea Award in Drone workshop held at ABESEC** | **Technical** | **Mr. Aditya Singh** |
| **Best Idea Award in Drone workshop held at ABESEC** | **Technical** | **Mr. Anurag Chauhan** |
| **2nd Position in Digital Product design (DPD) in Tech Pravah 2022-23 at ABESEC** | **Technical** | **Mr. Rohan Chauhan** | **2022-23** |
| **1st position in Duo singing in MANTHAN Held at IILM University on 1-2 Dec 2023** | **Cultural** | **Mr. Mrigank Vikram Pal** |
| **1st position in Duo singing in MANTHAN Held at IILM University on 1-2 Dec 2023** | **Cultural** | **Mr. Anshuman Parashar** |
| **2nd position in Battle of Bands in MANTHAN Held at IILM University on 1-2 Dec 2023** | **Cultural** | **Mr. Mrigank Vikram Pal** |

### A person smiling at the camera Description automatically generatedHigher Studies

1. Sakshi Gusain

M.Sc in Data Science for Marketing,

Audencia Business School, Paris, France

A close-up of a person

Description automatically generated2. Adyasri Sinha

M.Sc in Artificial Intelligence at

Munster Technological University, Cork(Ireland)



3. Darshika Srivastava

MSc in northeastern university,

Boston, Massachusetts(USA)

A close-up of a person

Description automatically generated





**Faculty Achievements**

**Prof. (Dr) Priyanka Bhardwaj**received a grant of Rs 150000 from the **Science and Engineering Research Board (SERB)** under the Department of Science and Technology, [Government of India](https://en.wikipedia.org/wiki/Government_of_India) for the **International Conference on Sustainable Emerging Innovations in Engineering and Technology (ICSEIET) 2024.**

**Prof. (Dr) Priyanka Bhardwaj**received a grant of Rs 150000 from the **Ministry of Electronics and Information Technology(MeitY)**, [Government of India](https://en.wikipedia.org/wiki/Government_of_India) for the **International Conference on Sustainable Emerging Innovations in Engineering and Technology (ICSEIET) 2024.**

**Prof. (Dr) Priyanka Bhardwaj**is nominated and selected as an investigator member of an **International Project approved under the Ministry of Education, Kingdom of Saudi Arabia, King Khalid University, Deanship of Scientific Research.**This is the**first International Project**under the **Ministry of Education** with our faculty member as a part of the project proposal and investigator and **ABESEC**.

The total grant sanctioned for the project is **150000 Saudi Riyal ( Rs 3102740.44)** and the duration is 12 months.

**Dr. Jugul Kishore Gupta** of the ECE department has been serving as a reviewer of the **International Journal of Communication Systems** and received certificate for reviewing **3 manuscripts in 2023**.

**Dr. Jugul Kishore Gupta** of the ECE department has been serving as a reviewer of **ETRI journal** and received certificate for reviewing **manuscripts in 2023**.

**Dr. Jugul Kishore Gupta** of the ECE department has been serving as a reviewer of **HINDAWAI portfolio of journal** and received certificate for reviewing **manuscripts in 2023**.

**Dr. Jugul Kishore Gupta** of ECE department has received a certificate of appreciation for serving as a resource person during **5 days International Online Faculty Development Programme on “Advancement in RF, Microwave, Antenna and 5G Application”** organized by the Department of Electronics and Communication Engineering, **Atria Institute of Technology, Bangalore**, in association with MTT/AP society Bangalore Joint Chapter, Mathworks and Keysight (Knowledge Partner), and IEEE Atria Student Chapter during 27th-31st March 2023.

**A group of people standing around a table

Description automatically generatedDr. Navneet Sharma** has received the prestigious **Distinguished Scientist Award in the field of BioMedical Electromagnetics** from ICSRR, New Delhi.