



Ref. No. - Ashoka/IIC/AFIE/2024-25/10

Dated:11.12.2024

CONGRATULATIONS

Subject: Congratulations on selection in Council of Science and Technology U.P. Student grant Scheme 2024-25.

We are delighted to extend our heartfelt congratulations to our accomplished students from the **Electrical Engineering Department** for selection in the **Council of Science and Technology UP Student grant Scheme**. The project, " **Dual Active Bridge Converter For Fast Electric Vehicle Charging Station (Multiple Power Rating Vehicle For One Charger** " stood out and brought pride to our institution.

We would like to applaud for the mentor **Mr. Sandeep Kumar Singh (Asst Prof EE)** for exceptional teamwork, dedication, and presentation skills exhibited by their students, who played a pivotal role in this achievement:

1. **Suraj Chauhan [EE 4th Year]**
2. **Neha Maurya [EE 4th Year]**
3. **Divyanshi Tiwari [EE 4th Year]**
4. **Shivani Singh [EE 4th Year]**

Congratulations once again on this well-deserved recognition, and we eagerly anticipate your continued success in the future.

Copy to

1. Director
2. Director Pharmacy
3. Dean Academic
4. Registrar
5. Dean Student welfare
6. All HODs
7. Student Notice Boards

Mr. Sajjad Ali
Coordinator IIC

Mr. S.N.Singh
Convener IIC

CST UP ENGINEERING STUDENT'S PROJECT GRANT SCHEME 2024-25
LIST OF PROJECTS SELECTED FOR GRANT

Important Notice: All Group Leader will have to send Acknowledgement of Receipt of First Installment of Rs. 10,000/-in the prescribed format as annexed at the end of this list with in 15 days of receipt of amount through Registered Post/Courier

SNO	Project ID	Team	Branch	Project Title	Guide Name	College Name	Account Details
CIVIL ENGINEERING							
1	1898	Shubham Pandey Sneha Pandey Adarsh Tripathi Ansh Pandey	Civil Engineering	AI-Driven Traffic Congestion Analysis and Management for Sustainable Urban Mobility in Gorakhpur City Utilizing GIS and Open-Source Data.	Mr. ANKUR KUMAR	BUDDHA INSTITUE OF TECHNOLOGY	6332000100016105 SAVINGS PUNJAB NATIONAL BANK GIDA, GORAKHPUR PUNB0633200
2	1863	Yuvraj Singh Anjali Singh Sameer Sheikh Sultan Ashraf	Civil Engineering	Performance evaluation of cement-stabilized pond ash, rice husk ash and clay mixture as a highway construction materials.	Mr. Vijay Kumar Srivastav	Buddha Institute of Technology, Gida, Gorakhpur	5127101004671 SAVING CANARA BANK PADRI BAZAR CNRB0005127
3	1647	NISHANT KUMAR RAJPOOT KULDEEP SINGH BHAVNA SINGH	Civil Engineering	DESIGN AND IMPLEMENTATION OF PERVIOUS PAVEMENT SYSTEMS FOR SUSTAINABLE URBAN DRAINAGE USING RECYCLED MATERIALS	Dr APARNA	IFTM UNIVERSITY, MORADABAD	59176659103 SAVINGS INDIAN BANK IFTM UNIVERSITY LODHIPUR RAJPUT IDIB000L547
4	1807	Shantanu Gupta Rupesh Kumar Yadav Ravi Kumar Prajapati	Civil Engineering	Sustainable Pavement Innovation: Utilizing Waste Foundry Sand and Plastic-Coated Aggregates for Cost-Effective and Eco-Friendly Road Design	Mr.Saket Rusia	Rajkiya Engineering College Mainpuri	054510134639 Savings Account India Post Payments Bank India Post Payments Bank, Corporate Office IPOS0000001
COMPUTER SCIENCE AND ENGINEERING							
5	1760	Vishal Gautam Ashutosh Gupta	Computer Science	Data-Driven Electricity Load Prediction for Households and Small Industries in Uttar Pradesh: SHIELD (Smart Household Insight for Energy Load and Demand)	Dr. Pawan Kumar Chaurasia	Babasaheb Bhimrao Ambedkar University	49760100004770 Saving Bank of Baroda Transport Nagar BARB0TRALUC
6	1464	Medha Agrawal Saumya Srivastava	Computer Science	Automated Legal Document Drafting using Generative AI	Dr. Sayantan Sinha	GLA UNIVERSITY	50100113124650 Savings Account HDFC Bank Bareilly HDFC0000860
7	1694	Ayushmaan Singh Prakhar Gupta	Computer Science	Deep Learning for Sign language Recognition :A Computer Vision Based Approach	Vimal Gupta	JSS Academy of Technical Education, Noida	191110100031131 SAVINGS Union Bank of India Vikas Nagar, Lucknow UBIN0819115
8	1675	SWAPNIL PANDEY SHREYASHI NILAY RISHIKA KASHYAP	Computer Science	MedLogix: AI-Driven Drug Inventory and Logistics Optimization	Dr. Aditi Sharma	Institute of Engineering and technology, Lucknow	50100409818042 SAVINGS HDFC PADRAUNA HDFC0001906

9	1446	Sumit Mishra Mansi Rastogi Pratyush Gupta Vivek Agarwal	Computer Science	Aarogya Shakti: non-intrusive app for predicting anemia in pregnant ladies	Vijay Kumar Sharma	Meerut Institute Of Engineering and Technology	41281032242 SAVING SBI(STATE BANK OF INDIA) SADAR MEERUT SBIN0012962
10	1799	Shubham Kumar Rahul Maurya	Computer Science	Diabetes Disease Monitoring and Prediction System through a Mobile App Integrated with IoT Devices and Machine Learning Models.	Pravin Kumar Pandey	UNSIET, Veer Bahadur Singh Purvanchal University, Jaunpur	733910110001622 Saving Account Bank Of India Panki BKI00007339
11	1823	Soumya Singh Priyanshu Kumar Pragya Singh Ranjeet Singh	Computer Science	Real-Time Water Monitoring System for Enhancing Water Quality in Urban Water Bodies	Dr. Himanshu Pandey	University of Lucknow	39942613010 Savings Account State Bank of India Jankipuram Extension SBIN0012981
12	1416	Ahmad Abuzar Obaid Ali Khan Altamash Kamal	Computer Science	Artificial Intelligence based Smart Bin as a solution for waste management.	Faiyaz Ahmad	Integral University	40567300965 SAVING STATE BANK OF INDIA MEDICAL COLLEGE ALIGARH SBIN0003570
13	1627	Harsh Kumar Upadhyay Vaibhav Singh Sarvagya Pandey	Computer Science	Enhanced Thermal Human Tracking in Urban Search and Rescue Missions Using Adaptive 3D Kalman Filtering for Life Saving	Dr. Vandana Rani Verma, Prof. (Dr.) Vikram Bali	Galgotias College of Engineering and Technology	19640100020506 SAVINGS BANK OF BARODA KIDWAI NAGAR BARBOKIDKAN
14	2058	Saurabh Astya	Computer Science	2nd life Battery Packs for ReUse or ReDUce the Battery E-Waste	Dr. Rani Astya	Sharda University	769201000068 Savings ICICI Bank Greater Noida, Sharda University ICIC0007692
15	1546	Nishant Chauhan Shyam singh Yogendra singh ankit kumar	Computer Science	AI VOICE ASSISTANT	Dr. Rahul Pradhan	Gla university mathura	199901000031492 Savings Indian overseas bank GLA ENGINEERING COLLEGE, VILLAGE, P,O AJHAI, NH,2, AJHAI, UTTAR PRADESH, 281406 IOBA0001999
16	1638	Aditya Tripathi Samarth Sharma Ashwani Dhiman Saumya	Computer Science	AI-Driven Indoor Position Tracking and Navigation System for Accessible Mobility	Dr. Abhinesh Kaushik	Indian Institute of Information Technology Lucknow	40395409504 Savings Account State Bank of India Lucknow-Aashiana SBIN0050824
17	1403	Chirag Sharma Anurag Saini Arpit Chauhan Ayush Rastogi	Computer Science	Sanskriti - Web Platform to Showcase India's Rich Heritage & Culture While Boosting Local Economy	Prof (Dr.) Mukesh Rawat	Meerut Institute of Engineering & Technology	42505644746 Regular Savings Bank Account State Bank of India PALHERA (Meerut) SBIN0003067
18	1657	Arpit Singh Arnav Katiyar	Computer Science	Detection of Image Tampering Using Deep Learning, Error Levels and Noise Residuals	Dr. Pushpa Choudhary	Galgotia college of engineering and technology	4038000100207627 Savings Punjab national bank MEERUT, GANGA NAGAR PUNB0403800
19	1417	SHRISHTI SHARMA	Computer Science	Suno: Speaker for Hearing & Speech Impaired	Ms. Mohini Singh	Meerut Institute of Engineering and Technology	08161000306243 Saving Punjab & Sind Bank Godwin Public School PSIB0000816

20	1606	Sargam Hemnani Anjali Kashyap Bhumi Singh Harshit Goyal	Computer Science	Flood Risk Prediction Using Geospatial Satellite Data	Prof.(Dr.) Namrata Dhanda , Dr. Kapil Kumar Gupta	Amity University Uttar Pradesh Lucknow Campus	126501002549 Saving ICICI Bank Rajajipuram ICIC0001265
ELECTRICAL ENGINEERING							
21	1508	SHASHANK KUMAR DUBEY HARSH YADAV VISHAL SINGH	Electrical Engineering	SOLAR POWERED EV CHARGING STATION	Dr. Dinesh Kumar Nishad	IET-DR.SHAKUNTALA MISRA NATIONAL REHABILITATION UNIVERSITY, LUCKNOW	40598406502 SAVINGS ACCOUNT STATE BANK OF INDIA HARBANSHPUR AZAMGARH SBIN0017646
22	1949	Sonu chaudhary Rajav Jain	Electrical Engineering	iot enabled smart helmet	Prof. Yaduvir Singh	Harcourt Butler Technical University	50220006605064 Savings Bandhan Bank Banda BDBL0002100
23	1964	Ankul Verma Akash Kumar Gautam Vikas Singh	Electrical Engineering	Design of Bidirectional Charger for Electric Vehicle	Dr. Vijay Kumar Tewari	Rajkiya Engineering College Kannauj	40603260081 Saving Account State Bank Of India marihan,Mirzapur SBIN0018461
24	1583	Neha Maurya Divyanshi Tiwari Suraj Chauhan Shivani Singh	Electrical Engineering	DUAL ACTIVE BRIDGE CONVERTER FOR FAST ELECTRIC VEHICLE CHARGING STATION (MULTIPLE POWER RATING VEHICLE FOR ONE CHARGER)	Mr. Sandeep Singh	Ashoka Institute of technology and management Varanasi	432002010980005 Saving Account Union Bank Of India Sidhagarh UBIN0543209
25	1931	Ankur Yadav	Electrical Engineering	Smart Basket with Automatic Billing System	Mr. Ravi Pratap Singh	RAJKIYA ENGINEERING COLLEGE SONBHADRA	40412697573 Savings account State Bank of India Duddhi Sonbhadra SBIN0012300
26	1622	Prashant rai Anupama Rai Aditya Narayan Kumar Devansh	Electrical Engineering	ProtecHer X: To Develop Ultimate Dual-Mode Safety & Defense System Empowering Women's Security	Prof. V.K. GIRI	Madan Mohan Malaviya University of Technology	41259861867 Saving State Bank of India Khajani SBIN0013154
27	2073	DEVENDRA YADAV	Electrical Engineering	Automatic smart busbar system	Mr. SAURABH V. KUMAR	VEER BAHADUR SINGH PURVANCHAL UNIVERSITY JAUNPUR	657502010007116 SB GENERAL UNION BANK OF INDIA ARAKHPUR UBIN0565750
28	1854	Sachin Ansh Kumar Yadav Abhinandan Verma	Electrical Engineering	Analysis of ANN-Tuned Solar PV Array and Battery-Integrated UPQC Performance in Microgrid Systems.	Kamlesh Kumar Bharati	Rajkiya Engineering College Kannauj	405295481976 saving SBI Hamirpur SBIN0000089
29	1870	ARYAN KUMAR Piyush Sirohi ARADHANA MAURYA	Electrical Engineering	Reducing the charging time of electric vehicle by 1/3rd by the help of ultracapacitor.	Dr Archana Maurya	Rajkiya Engineering College Bijnor	0096001500578827 saving Punjab National Bank Chandpur PUNB0009600
ELECTRONICS AND COMMUNICATION ENGINEERING							
30	1333	SWATI SINGH SATWIK SRIVASTAVA PRIYANSHI JAHNVI SINGH	Electronics & Communication Engineering	DESIGN AND IMPLEMENTATION OF JAMMING CIRCUIT FOR UN MANAL AERIAL VEHICLES	Dr. Satyendra Shrama	GL BAJAJ INSTITUTE OF TECHNOLOGY & MANAGEMNET	40239866662 SAVINGS ACCOUNT STATE BANK OF INDIA RAJA KA DARWAJA SBIN0002598

31	1692	Argya pratap singh Ansh Gupta Anirudh Tyagi Ashutosh tripathi	Electronics & Communication Engineering	ECODAIRY: One stop solution for monitoring variable energy consumptions and hygiene practices at the dairy plant.	Dr Neelesh Kumar Gupta	AJAY KUMAR GARG ENGINEERING COLLEGE	36004100629 Savings State bank of india Lakhapur SBIN0008019
32	1649	Mohd Faiz Khan	Electronics & Communication Engineering	Self Charging Surveillance Drone	Dr. Shalu	IFTM UNIVERSITY MORADABAD	002013000015361 savings Rampur zila sahkari bank ltd Rajdwara(0020) ICIC00RAMPR
33	1956	KRISHANKANT DIXIT ANJALI SINGH RISHAV SRIVASTAVA	Electronics & Communication Engineering	IoT BASED SMART FALL DETECTION AND PREVENTION SYSTEM	Er, Dhananjali Singh	Raja Balwant Singh Engineering Technical Campus	1862200100004916 SAVINGS ACCOUNT Punjab National Bank SIKANDRA AV COLONY PUNB0186220
34	1954	Ayush Dixit Ayush Yadav Harshit Pandey	Electronics & Communication Engineering	Smart Rainwater Harvesting Using Real Time IOT	Er.Uddaish Porov	Shri Ramswaroop Memorial College of Engineering and Management	40223192837 Saving State Bank of India NBRI, LUCKNOW SBIN0010173
35	1730	HARSH SRIVASTAVA RISHABH SINGH SAURABH SINGH	Electronics & Communication Engineering	Diagnosis of Neuromuscular disorders, rehabilitation and prosthetic control using Electromyography (EMG).	Prof.(Dr.) Nandita Pradhan	United College of Engineering and Research	41701771507 Saving STATE BANK OF INDIA NAINI SBIN0000139
36	2066	Divyansh Jaisawal Shubham Kumar Saroj Ankit Patel Nasheet Ahmed	Electronics & Communication Engineering	Energy Harvesting from Ambient RF Signals	Dr. Rajiv Kumar Singh	Institute of Engineering and Technology Lucknow	623602010007503 Savings Union Bank of India Malerkotla UBIN0562360
37	1838	MUSKAN KUMARI ADARSH PRAKASH	Electronics & Communication Engineering	Param Raksha Kavach Smart Walker	BASANTA MAHATO	IIMT COLLEGE OF ENGINEERING	110015647463 SAVING ACCOUNT CANARA BANK N.A.Bldg, Jhauganj, Patna City CNRB0001592
ELECTRONICS ENGINEERING							
38	1330	Roman Khan	Electronics Engineering	Guide Wear: An Affordable Wearable Kit for Enhanced Mobility of Deaf-Blind Individual	Manjeet Kumar Kesharvani	Lucknow Institute of Technology	41280869632 Saving State Bank OF India SAADAT GANJ SBIN0011642
39	2003	Vinay Kumar Netesh Kumar Sharma Shubhra Srivastava	Electronics Engineering	Low power SRAM cell design Using MTCMOS and Stacking Techniques	Prashant Pandey	Rajkiya Engineering College Sonbhadra	00540100023810 Savings Bank of Baroda Dedaur BARB0DEDAUR
INFORMATION TECHNOLOGY							
40	1921	KRISHAN DEV RAI RINSHIKA DUBEY	Information Technology	"SMARTDIAGNOSE: An Automated Tool for Diagnosis and Multi-Classification of Pulmonary(Lungs) Diseases--UDP Chip based Implementation"	DR. VIKRANT BHATEJA	UNSIET, VEER BAHADUR SINGH PURVANCHAL UNIVERSITY, JAUNPUR	4539000100059189 SAVINGS PUNJAB NATIONAL BANK VBSPU, JAUNPUR PUNB0453900

41	1948	Aniket Chaudhary Ajay Kumar Mohit Kumar Mourya	Information Technology	BIOMETRIC IDENTIFICATION BASED ONLINE VOTING SYSTEM USING BLOCKCHAIN	Professor Shiva Prakash	Madan Mohana Malaviya Univesity of Technology, Gorakhpur	055210080620 Savings Indian Post Payments Bank Dhanepur IPOS0000001
42	1795	Ayush Gupta Devansh Singhal Tavishi gahlot	Information Technology	Plug the Drain: Energy Consumption Optimization	Dr. Rashmi Sharma	Ajay Kumar Garg Engineering College	41505622128 REGULAR SAVINGS BANK ACCOUNT State Bank of India Vishwas Nagar, Shahdara SBIN0013762
MECHANICAL ENGINEERING							
43	1841	Astha Pandey Shreyansh Raj Shivangi Kashyap	Mechanical Engineering	Development of a Long-Range Spy Robot Utilizing Advanced Surveillance Technology for Local Intelligence and Security Solutions	Mr. Yogendra Singh Rajpoot	Rajkiya engineering college mainpuri	0871001700138875 Saving account Punjab National Bank Tamkuhi Road PUNB0087100
44	1337	Rahul Kushwah Khushi Singh Akshay Guleria	Mechanical Engineering	Design, Fabrication and Investigation of Agro waste-based Metal Matrix Composite and its Application.	Mr. Rohit Sahu	G.L.BAJAJ Institute of technology	31890100009841 Savings account Bank of Baroda Kursi Road BARB0KURSIX
45	1422	Abdul Rahman Khan Abdus Samad Suhail	Mechanical Engineering	Krishibot- Autonomous Precision Farming Vehicle for Agricultural Application	Prof. Saleem Anwar Khan	Aligarh Muslim University	38706059214 REGULAR SB CHQ-INDIVIDUALS STATE BANK OF INDIA MEDICAL COLLEGE, ALIGARH SBIN0003570
46	1609	KISHAN KUMAR SINGH ABHISHEK YADAV ASHISH SHUKLA ASHISH YADAV	Mechanical Engineering	Design and analysis of multipurpose wheelchair for enhancing mobility of atients with disabilities.	DR. ASHUTOSH TIWARI, MR. SAURABH TRIPATHI, PROF.SHEO PRASAD SHUKLA	RAJKIYA ENGINEERING COLLEGE BANDA	40586408004 REGULAR SAVINGS BANK ACCOUNT STATE BANK OF INDIA SALEMPUR SBIN0001146
47	1624	MOHIT GAUTAM NITIN TYAGI	Mechanical Engineering	Design and fabrication of industrial exoskeleton finger using 3D printing	Dr. Aditya Sharma, Dr. Manoj Kumar	Dayalbagh Education Institute	305602120005421 Saving Union Bank of India Dayalbagh UBIN0530565
48	1659	Kunwar Virendra Birendra Kumar Sandeep Kumar Pritosh Prasad	Mechanical Engineering	Design And Fabrication Of Weather Proof E-Bike	Dr. Ram Bilas Prasad	Madan Mohan Malaviya University Of Technology Gorakhpur	40543424286 Saving Account State Bank Of India SANTHA SBIN0011198
49	1913	Harshita Mandava Bhimanapalli Kiranmai Kodurupaka Mallika Kunuguntla Ritesh	Mechanical Engineering	Development of a portable microfluidic device integrated with Machine Learning for determination of Creatinine from whole blood	Dr. Debashis Khan, Dr. Arnab Sarkar	Indian instutute of technology (BHU) Varanasi	38776318098 savings State bank of India Madikonda SBIN0021399

50	1782	Diwakar Tiwari Anurag Tiwari Ajeet Chauhan Maneesha Awasthi	Mechanical Engineering	Fabrication and testing of advance air purifier with viral filter	Shiv Kumar	Goel Institute of Technology and Management	56808100005059 Savings Bank Of Baroda Goel Campus BARB0GOELUC
51	1541	Krishna Kumar Verma Ankit Sengar	Mechanical Engineering	Application of Recycled Thermoplastic-Based Filament for 3D Printing	Mr. Dinesh Singh	Dr Shakuntala misra national rehabilitation university	0246101043856 Saving Canara Bank Burjiwala kuan, Shadabad Gate Hathras - 204101 CNRB0000246
OTHERS							
52	1354	Astha Singh Aditya Kumar Vasuundhara	Other	"Isolation and Screening of Microorganisms from Natural Sources for the Enhanced Hydrogen Production"	Dr. Mukul Saxena	Bundelkhand Unversity	50100612093179 Saving HDFC Mughalsarai HDFC0001891
53	1833	Srishti	Other	Concomitant production of biofuels and nutraceuticals from microbial strains of mangrove area.	Dr. Preeti Mehta Kakkur	Amity Institute of Biotechnology, Amity University Noida	10330100021631 Savings Account Bank of Baroda Katra, Allahabad BARB0ALLKAT
54	1877	Manjeet Singh Santoshi Arpit Shakya RAJ UPADHYAY	Other	Assistive Navigation System for Blind and Visually Impaired Individuals	Dr. Rohit Sharma, Dr. Abhishek Prabhakar	Dr. Ambedkar Institute of Technology For Divyangjan	35800100018935 SAVING BANK OF BARODA TRANS YAMUNA COLONY, AGRA,UP BARB0TRANSY
55	1826	Piyush Mishra Prince Singh Raghvendra Tiwari Kishan Vishwakarma	Other	Production of Green Hydrogen from the Municipal Waste Water.	Dr. R. P. Ram	Institute of Engineering and technology	41237172498 SAVING State Bank of India INDO GULF FERT CHEM CORP LTD, JAGDISHPUR SBIN0009072
56	1676	HARSHIT PANDEY PRASHANT KUMAR VERMA JUNAID RAZA AYUSHI SRIVASTAVA	Other	A Green Approach to Prepare Biodegradable Film from Pineapple Leaves for Food Packaging Applications	Dr. M.S. Karuna	MJP Rohilkhand University	505202010817790 Saving Union Bank of India Rohilkhand University UBIN0550523
57	1915	Aarushi Verma Faiza Nasir	Other	Technological Solution for safe disposal of Menstrual Waste	Dr Rabab Anjum	IMS Engineering College, Ghaziabad	37037645842 Saving State Bank of India Chaurasi Ghanta SBIN0003208
58	1501	Suhanee Varma Vimal Singh Abhirup Venktesh Jaiswal	Other	Innovative Nanopesticides Combining Copper Nanoparticles and Pyrethrins for Enhanced Pest Management	Dr. Anupam Singh and Ashish Kumar Rai	Bansal Institute of Engineering and Technology , lucknow	39608388041 Savings bank accounts SBI VARANASI SBIN0000201

59	1592	HARSHIT SHARMA POLAMURI BHARGAV GARVIT DEWAN	Other	SMART PLUGIN	MONA KUMARI	GLA UNIVERSITY	40503701520 SAVINGS STATE BANK OF INDIA VIRJAPUR, ADUKI SBIN0008307
60	1666	Kashif Raza Siddique	Other	Predicting Diabetes Types Using Machine Learning: A Lifestyle Data Approach	Kanchan Bhatt	Goel Institute of Technology and management	5247343217 Saving Kotak Mahindra Bank Vaibhav Kand KKBK0005204
Note: Please check your Account details carefully and for any discrepancy contact: espgs.cstup@gmail.com							

**CST, UP ENGINEERING STUDENTS' PROJECT GRANT SCHEME 2024-25
ACKNOWLEDGEMENT RECEIPT**

To
The Joint Director, (Engg. Tech. & Innovation)
Council of Science & Technology, U.P.
Vigyan Bhawan, 9 Nabiullah Road,
Near Suraj Kund Park,
Lucknow 226018

I..... (Group Leader Name) .Group Leader of the
Project..... (Title of the Project) of
University/Institute/College..... (Name of University/Institute/College) hereby acknowledge the
receipt of Amount of Rs 10,000/- (Ten Thousand Only) as First Installment of the CST, UP ENGINEERING STUDENTS' PROJECT
GRANT SCHEME 2024-25 on(Date of Receiving the Amount)in my Bank Account mentioned in our Application
Form.

Date:.....
Name & Signature of Group Leader

Guide Sign. & Name-----
Mob. no.--