



A State Private University approved by Govt. of Karnataka vide Notification No. ED 144 URC 2016 dated 29-07-2017  
Recognised by UGC under Section 2f vide No. F.8-29/2017 (CPP-I/PU), dated 20-12-2017 & AICTE, CoA, PCI New Delhi

## Faculty of Engineering and Technology (Exclusively for Women)

### Details of Student Grants

#### Research Projects sanctioned by Government and Non-Government Agencies

| Academic Year | No. of Faculty Projects sanctioned |
|---------------|------------------------------------|
| 2024-25       | 12                                 |
| 2023-24       | 07                                 |
| 2022-23       | 08                                 |
| 2021-22       | 12                                 |
| <b>Total</b>  | <b>39</b>                          |

#### Details of the Projects

| Name of the research project/<br>endowment                  | Name of the Guide                        | Nama of the Students                                                                             | Department of<br>Guide | Year of<br>Award | Amount<br>Sanctioned<br>(in Lakhs) | Duration<br>of the<br>project | Name of the<br>Funding<br>Agency |
|-------------------------------------------------------------|------------------------------------------|--------------------------------------------------------------------------------------------------|------------------------|------------------|------------------------------------|-------------------------------|----------------------------------|
| Traffic Density Control with<br>android override using AVR. | Dr. Nandini V Patil<br>Prof. Akkanagamma | Ms Pooja Sidramappa<br>Malibiradar<br>Ms.Vaishnavi<br>Ms. Sneha<br>Ms Basavaratana               | CSE                    | 2024-25          | 0.04                               | 4 Months                      | KSCST                            |
| IOT Womb care: Shishu<br>Swasthya Gamana                    | Prof. Amruta<br>Prabhugouda              | Ms Saadia Athiq<br>Ms.Soumyashree<br>Ms.Zohaa Tamkeen<br>Siddiqua<br>Ms. Shifa Mahveen<br>Quadri | CSE                    | 2023-24          | 0.055                              | 4 Months                      | KSCST                            |



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|                                                                           |                         |                                                                                 |     |         |      |          |       |
|---------------------------------------------------------------------------|-------------------------|---------------------------------------------------------------------------------|-----|---------|------|----------|-------|
| Soldier Health and Position Tracking System                               | Prof. Vijayalaxmi       | Ms Desai Kusum Ravi<br>Ms Swati S K<br>Ms Vaishnavi S Patil<br>Ms. Syeda Ayesha | CSE | 2023-24 | 0.05 | 4 Months | KSCST |
| Solar Scarecrow with sound sensing                                        | Prof. Nandini S Patil   | Ms Shivani B Mitagar<br>Ms Naila Nishat<br>Ms Roopa Diggi<br>Ms Shravani        | CSE | 2023-24 | 0.05 | 4 Months | KSCST |
| IoT Based Automated indoor vertical hydroponics farming                   | Dr. Jyoti Marnur        | Ms Gurusmruti Maka<br>Ms Eshwari H<br>Ms Gayatri<br>Ms Ishrat Nishat            | CSE | 2022-23 | 0.04 | 4 Months | KSCST |
| Solar power-based weed cutting robot in vegetable farming                 | Prof. Nandini V Patil   | Ms Vaishnavi R<br>Ms Vaishnavi<br>Vishwakarma<br>Ms Varsha                      | CSE | 2022-23 | 0.04 | 4 Months | KSCST |
| IoT-Based Indoor air quality monitoring Approach                          | Prof. Jyoti Neginal     | Ms Amruta<br>Ms Ambika<br>Ms Amatul Sakeena<br>Ms Aishwarya                     | CSE | 2022-23 | 0.03 | 4 Months | KSCST |
| Spit sensing and monitoring                                               | Prof. Anita B M         | Ms Aditi D K<br>Ms Aishwarya<br>Ms Afreen Begum<br>Ms Adeeba Seema              | CSE | 2022-23 | 0.04 | 4 Months | KSCST |
| Prevent accident in sharp curve roads using ultrasonic sensor and arduino | Prof. Vijayalaxmi Patil | Ms Meenakshi<br>Ms Megha D H<br>Ms Nagaveni                                     | CSE | 2022-23 | 0.04 | 4 Months | KSCST |
| Wireless Sensor Network Based Agricultural Monitoring System              | Dr. Jyoti R M           | Ms Sushmita<br>Ms Ashwini Biradar<br>Ms Pratiksha<br>Ms Rajeshree Pujari        | CSE | 2021-22 | 0.05 | 4 Months | KSCST |



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| Internet of Things (IOT) Based Indoor Air Quality Sensing and Prescient Analytic-A Covid-19   | Dr. Manikamma         | Ms. Priyanka S Patil<br>Ms. Rajashree C H<br>Ms. Sandhyarani<br>Ms. Vaishnavi | CSE       | 2021-22 | 0.05  | 4 Months | KSCST |
| Sentiment Analysis for Covid-19 Twitter Data set using ML                                     | Dr. Sridevi Hosmani   | Ms Apoorva                                                                    | CSE       | 2021-22 | 0.05  | 4 Months | KSCST |
| Modeling and Predicting Cyber Hacking Breaches.                                               | Prof. Anita B M       | Ms Geeta Biradar<br>Ms Deepika<br>Ms.Meenakshi<br>Ms Drakashayini             | CSE       | 2021-22 | 0.05  | 4 Months | KSCST |
| IOT Based Smart Health Monitoring System for Omicron Patients.                                | Prof. Chetana Patil   | Ms Sanjana<br>Ms Priyanka B H<br>Ms Sheetal<br>Ms Shwetha                     | CSE       | 2021-22 | 0.05  | 4 Months | KSCST |
| IOT Based Women safety Patrolling Robot                                                       | Prof. Shruti S A      | Ms Renuka Chidri<br>Ms Preeti<br>Ms Prema Patne<br>Ms Sadhana G               | CSE       | 2021-22 | 0.05  | 4 Months | KSCST |
| Covid-19 Future Forecasting Using Supervised Machine Learning                                 | Prof. Jyoti Neginal   | Ms Sushma                                                                     | CSE       | 2021-22 | 0.04  | 4 Months | KSCST |
| Intelligent Agriculture Monitoring System for Smart Farming Using Machine Learning Technique. | Dr. Sujata Mallapur   | Ms Samreen Ahmadi                                                             | CSE       | 2021-22 | 0.05  | 4 Months | KSCST |
| Covid-19 detection using X-Ray                                                                | Dr. Shivaleela Patil  | Ms Aishwarya S<br>Dastapur<br>Ms Ambika Guttedar<br>Ms Akshata Hagargi        | CSE       | 2021-22 | 0.05  | 4 Months | KSCST |
| Design And Development of IoT Based Smart Toll Booth System Using Arduino                     | Prof. Ratnakala Patil | Ms Namrta J Patil<br>Ms Sneha Goule<br>Ms Shweta Naroni<br>Ms Kavya Patil     | AI and ML | 2024-25 | 0.045 | 4 Months | KSCST |



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|                                                                                      |                        |                                                                                         |           |         |       |          |       |
|--------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------|-----------|---------|-------|----------|-------|
| IoT-Powered Emergency Button for Women's Safety                                      | Dr. Sujata Mallapur    | Ms Karunyahansika G Patil<br>Ms Pooja Warvatte<br>Ms Vaishnavi N M<br>Ms Vaishnavi Arya | AI and ML | 2024-25 | 0.045 | 4 Months | KSCST |
| Audio Text and Image Transmission with Wifi Technology Using Esp32 Camera and Python | Prof. Nirupama         | Ms Mitali M Kumane<br>Ms Manavi Reddy<br>Ms Nittyashree C S<br>Ms Nida Fatima           | AI and ML | 2024-25 | 0.045 | 4 Months | KSCST |
| Smart Traffic Control Approach for Emergency Vehicle                                 | Dr. Rashmi Patil       | Ms Danishta Fatima<br>Ms Alveera Aiman Khanam<br>Ms Sadiya Fatima<br>Ms Disha           | AI and ML | 2024-25 | 0.045 | 4 Months | KSCST |
| Eco vision Portable Plant Recognition System                                         | Prof. Supriya Bagewadi | Ms Rahana Banu<br>Ms Tasneem Sultana<br>Ms Anushka                                      | AI and ML | 2024-25 | 0.045 | 4 Months | KSCST |
| Design And Development of Smart Crop Protection System Using Lora                    | Mrs. Ashwini Yenegur   | Ms Bhagyashree P Y<br>Keerti Biradar<br>Prerana N Gour<br>Pooja C P                     | EEE       | 2022-23 | 0.05  | 4 Months | KSCST |
| Reliable and User-Friendly Tricycle for Physically Challenged Community              | Mr. Amruta             | Ms Neha Nandargi<br>Ms Swathi<br>Ms Rachamma                                            | EEE       | 2021-22 | 0.07  | 4 Months | KSCST |



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| Smart Blind Stick for Physically Disabled Person Using Arduino                       | Mrs. Ashwini Yenegur                                  | Ms Vani<br>Ms Jahan Ara<br>Ms Deepika<br>Ms Chaitra                             | EEE | 2021-22 | 0.07  | 4 Months | KSCST |
| Solar Powered Water Cleaning Boat                                                    | Mr. Amruta                                            | Ms Priya<br>Ms Priyanka<br>Ms Soniya<br>Ms Sushma S                             | EEE | 2021-22 | 0.02  | 4 Months | KSCST |
| Heating And Cooling Suite for Military People and Location Tracking                  | Dr. Nagaveni K<br>Prof. Laxmi Patil                   | Ms Vijaylaxmi<br>Ms Suchita<br>Ms Vijaylaskmi<br>Ms Shreenidhi                  | ECE | 2024-25 | 0.045 | 4 Months | KSCST |
| Smart Train Engine with Obstacle Detection and Railway Gate Control                  | Prof. Shivleela Revoor<br>Dr. Sangeeta Patil          | Ms Soumya Kankari<br>Ms Sakshi<br>Ms Sushma Myageri<br>Ms Rajani                | ECE | 2024-25 | 0.045 | 4 Months | KSCST |
| Women Safety Bangles with Tracking Alerts                                            | Prof. Bhavani R<br>Prof. Shobhana                     | Ms Soumya<br>Ms Sharanamma<br>Ms Pooja<br>Ms Pratibha                           | ECE | 2024-25 | 0.045 | 4 Months | KSCST |
| A Portable Ventilator with Autonomous Robotic Movement for Patient Care and Mobility | Prof. Vanita K<br>Prof. Shivganga Patil               | Ms Ranashree P<br>Mallshetty<br>Ms Shweta Bhikamale<br>Ms Vaishnvi Harkude      | ECE | 2024-25 | 0.06  | 4 Months | KSCST |
| IoT Based Smart Airbag Deployment System in Two Wheelers                             | Prof. Ratnamala. S. Patil<br>Prof. Abhilasha A. Patil | Ms Vaidehi Kaba<br>Ms Syeda Afifa Fatima<br>Ms Simran Saniya<br>Ms Saba Farheen | ECE | 2024-25 | 0.05  | 4 Months | KSCST |
| Expression Based Emotion Detection in Speech Using Python                            | Prof. Laxmi Patil<br>Prof. Shohana                    | Ms Renuka<br>Ms Bhagyashree<br>Ms Maheshwari                                    | ECE | 2023-24 | 0.05  | 4 Months | KSCST |



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|------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------------------------------------|----------------------|---------|-------|----------|-------|
| OTP Based Bank Locker System<br>Using Arduino with Biometric Alert                                                                       | Prof. Basaveshwari<br>Prof. Neelambika    | Ms Rahat Shaik<br>Ms Sarikas<br>Ms Pooja<br>Ms Shivani         | ECE                  | 2023-24 | 0.055 | 4 Months | KSCST |
| Progressive Braille Learning Kit with<br>Interface                                                                                       | Prof. Laxmi Patil<br>Prof. Shohana        | Ms Poornima<br>Ms Sana Kousar<br>Ms Raha Thunisa<br>Ms Sushma  | ECE                  | 2021-22 | 0.05  | 4 Months | KSCST |
| Air Pollution Monitoring System                                                                                                          | Prof. Vanita K                            | Ms Sweta s                                                     | ECE                  | 2021-22 | 0.05  | 4 Months | KSCST |
| Design And Simulation of 5G Multi-<br>band Antenna with Phase Shift<br>Operation                                                         | Prof. Laxmi Patil<br>Prof. Shohana        | Ms Pratiksha<br>Ms Shreya Rawoor<br>Ms Priyanka<br>Ms Savita   | ECE                  | 2021-22 | 0.07  | 4 Months | KSCST |
| Smart Stand-up Wheelchair Using<br>Raspberry Pi and Bluetooth                                                                            | Prof. Nagaveni K<br>Prof. Anuradha Patil  | Ms Varshini J Tellur<br>Ms Rajeshwari Mali[patil<br>Ms Umashri | ECE                  | 2021-22 | 0.07  | 4 Months | KSCST |
| Maximizing Efficiency in Residential<br>Building Design: The Role of BIM in<br>Visualization and Process<br>Optimization Compared to CAD | Ms. Sakeshwari and<br>Mrs. Preeti Arakeri | Ms Kumuda<br>Ms Aishwarya<br>Ms N Bhavana<br>Ms Pavitra        | Civil<br>Engineering | 2024-25 | 0.045 | 4 Months | KSCST |