

## R&D Cell funded projects (2016-17)

This year, 22 project proposals were submitted from various departments seeking R & D funding. Out of which, **15 (Fifteen)** projects were approved for funding after review.

The following is the list of sanctioned projects:

### **1) Title of the project: Quadcopter for navigation, imaging and surveillance (ECED)**

Project team: 1. Mohammad Kashif Moiz (1604-13-735-019)  
2. Syed Abdul Hannan (1604-13-735-038)  
3. G. Vineeth (1604-13-735-047)  
4. Mohammed Arshad Uddin (1604-13-735-079)

**Project guide:** (i) Dr. Kaleem Fatima, Prof., ECED

Sanctioned amount: Rs.37,709/-

### **2) Title of the project: Smart Mattress (ECED)**

Project team : 1. Mahrukh Hasan (1604-13-735-012)  
2. Syeda Nemath Unnisa (1604-13-735-014)  
3. Sumaiyya Rahman (1604-13-735-062)

**Project guide :** Dr. Arifuddin Sohel, Professor, ECED

Sanctioned amount: Rs.24,502/-

### **3) Title of the project: Voice controlled Prosthetic Arm for Physically disabled (ECED)**

Project team: 1. Md. Khaja Ilias Pasha (1604-14-735-119)  
2. Arhsad Ahmed (1604-14-735-085)  
3. Ahmed Abdul Hafeez (1604-14-735-086)  
4. Arifa Sultana (1604-14-735-061)  
5. Naheed Fatima (1604-14-735-062)  
6. Tayyaba Farha (1604-14-735-068)

**Project guide:** (i) Mrs. Salma Fauzia, Asst. Prof., ECED and (ii) Ms. Maliha Naaz, Asst. Prof., ECED

Sanctioned amount: Rs.31,500/-

### **4) Title of the project: Design, fabrication and testing of aeration systems (CED)**

Project team: 1. Mohammed Irfan (1604-13-732-007)  
2. S. Md. Imaad Khadri (1604-13-732-009)  
3. Mohd. Moinuddin (1604-13-732-013)  
4. Mohammed Sujathullah (1604-13-732-034)  
5. Shahid Malik (1604-13-732-036)  
6. Shaik Imran Pasha (1604-13-732-040)

**Project guide:** (i) Mr. D. Ram Mohan Rao, Asso. Prof., CED

Sanctioned amount: Rs.58,000/-

### **5) Title of the project: Minimizing Power consumption in Image recognition by deep learning (CSED)**

Project team: 1. Tabassum Sultana (1604-18-742-015)

**Project guide:** (i) Dr. N. Uma Dulhare, Prof., CSED

Sanctioned amount: Rs. 18,319/-

**6) Title of the project: Collision detection and prevention (CSED)**

Project team: 1. Syed Zafer Ali (1604-13-733-034)  
2. Panayala Chetan (1604-13-733-035)  
3. Akhter Rasool (1604-13-733-051)

**Project guide:** (i) Mrs. Fahmina Taranum, Asso. Prof., CSED  
Sanctioned amount: Rs.13,000/-

**7) Title of the project: Design and Implementation of Humanoid with 20 degrees of freedom (ECED & MED)**

Project team: 1. Amena Najeeb (1604-13-735-005)  
2. Syed Kashif (1604-13-735-028)  
3. Md. Yousuf Ahmed (1604-13-735-039)  
4. Syed Jawwad Mohiuddin (1604-13-735-113)  
5. Shaik Mohammed Simraan (1604-13-735-115)  
6. Syed Qurram Zeeshan (1604-13-736-072)  
7. Mohammed Abdul Mubeen (1604-13-736-111)

**Project guide:** (i) Mr.J. K. Nag, Asso. Prof., ECED and (ii) Mr. Dhanraj Pamar, Asst. Prof., MED  
Sanctioned amount: Rs 49,450/-

**8) Title of the project: IOT based Sustainable Plant Habitat and Smart Farming (ECED & ITD)**

Project team: 1. Mohd Asif (1604-13-737-034)  
2. Mohammed Haseebullah Qureshi (1604-13-737-045)  
3. Abdul Azeem (1604-13-737-046)  
4. Mohammed Azeeth (1604-14-735-023)  
5. Mohd. Farooq (1604-14-735-027)  
6. Rafi Imran (1604-14-735-018)

**Project guide:** (i) Dr. Arifuddin Sohel, Prof., ECED and (ii) Dr. Uma Dulhare. Prof., CSED  
Sanctioned amount: Rs.49,790 /-

**9) Title of the project: SEGWAY: A self balancing vehicle (ECED & ITD)**

Project team: 1. Md. Abdul Aziz Siqqiqui (1604-14-735-077)  
2. Md. Ammar Iqbal Khan (1604-14-736-003)  
3. Md. Abdul Moyeed (1604-14-735-088)  
4. Md Shujauddin Faaras (1604-14-736-047)  
5. Syed Abdul Mannan (1604-14-736-002)

**Project guide:** (i) Mrs. B. Sucharitra, Asst. Prof., ECED and (ii) Mrs. O. Hemalatha, Asst. Prof., MED  
Sanctioned amount: Rs.47,000 /-

**10) Title of the project: Smart Power saving kit for class and staffrooms (EED)**

Project team: 1. Amreen Begum (1604-13-734-005)  
2. Asfia Aleem (1604-13-734-001)  
3. Mohammed Abrar Ahmed (1604-13-734-303)  
4. Samiya Iftekar (1604-14-734-002)

**Project guide:** (i) Dr. Shaik A. Qadeer, Prof., EED  
Sanctioned amount: Rs. 11,300/-

**11) Title of the project: Low cost data acquisition system for lab view (EED)**

Project team: 1. Shayeesta Sultana (1604-13-739-007)  
2. Uzma Alam (1604-13-739-004)

3. Humera Naaz (1604-13-739-007)

**Project guide:** (i) Dr. Shaik A. Qadeer, Prof., EED

Sanctioned amount: Rs.6,000 /-

**12) Title of the project: Multipurpose E-CART (MED)**

Project team: 1. Shaik Rauhon Ahmed (1604-13-736-065)  
2. Syed Shahbaz Peeran Qadri (1604-15-736-001)  
3. Mohammed Rehan Uddin (1604-15-736-002)  
4. Syed Muzammil shah (1604-15-736-005)  
5. Mohammed Ahmed Khan (1604-15-736-012)  
6. Mohammed Salman Khan (1604-15-736-018)  
7. Mohammed Salman (1604-15-736-303)

**Project guide:** (i) Dr. A. S. Reddy, Prof., MED

Sanctioned amount: Rs.42,000 /-

**13) Title of the project: Design and fabrication of a robotic arm controlled by Hand Gesture Movements (MED)**

Project team: 1. Mohammed Adil Mohiuddin (1604-13-736-007)  
2. Mohammed Zain Mohiuddin (1604-13-736-010)  
3. Mohd Abdul Taleb (1604-13-736-021)

**Project guide:** (i) Mrs. Ishrat Meera Mirzana, Asso. Prof., MED

Sanctioned amount: Rs.26,500 /-

**14) Title of the project: Smart attendance monitoring system for college using wireless sensor network (ECED)**

Project team: 1. B. Shafat Mohammed (1604-13-735-045)  
2. Mohd. Ehteshamuddin (1604-13-735-046)  
3. Syed Abdul Wahab (1604-13-735-055)

**Project guide:** (i) Mrs. Salma Fauzia, Asst. Prof., ECED and (ii) Ms. Maliha Naaz, Asst. Prof., ECED

Sanctioned amount: Rs.27,500/-

**15) Title of the project: Effectiveness of the Turbo Air Ventilator (MED)**

Project team: 1. Furqhan Abdul Khader (1604-15-736-035)  
2. Shaik Ahmed Arfaz Ali (1604-15-736-026)  
3. Salman Ahmed (1604-15-736-112)  
4. Mohammed Sulaiman (1604-15-736-006)

**Project guide:** (i) Mrs. N. B. V. Lakshmi Kumari, Asst. Prof., MED and (ii) Dr. A. S. Reddy, Prof., MED

Sanctioned amount: Rs.33,000 /-