

R & D Projects (2023-24):

- I. Project: Design and Fabrication of an Automobile Disc Brake Rotor Test Rig
Department: Mechanical Engineering
Investigators:
1. Mr. Irfan Sadaq, Assistant Professor, MED - (PI)
Amount: Rs. 68,993/-
- II. Project: Design and Fabrication of Mechanically-driven Cleaning equipment
Department: Mechanical Engineering
Investigators:
1. Dr. Mohammed Sadak Ali Khan, Professor, MED - (PI)
2. Dr. V. Dharam Singh, Assistant Professor, MED – (Co- PI)
Amount: Rs. 50,000/-
- III. Project: Design and Fabrication of Student Formula Racing Vehicle
Department: Mechanical Engineering
Investigators:
1. Dr. Mohammed Viqar Mohiuddin, Professor, MED - (PI)
2. Dr. Mohammed Hasham Ali, Assistant Professor, MED – (Co- PI)
Amount: Rs. 4,14,000/-
- IV. Project: Design and Fabrication of a Dual Extruder 3D Printer
Department: Mechanical Engineering
Investigators:
1. Dr. Mohammed Viqar Mohiuddin, Professor, MED - (PI)
Amount: Rs. 50,000/-
- V. Project: Design and Fabrication of HHO Hybrid Vehicle
Department: Mechanical Engineering
Investigators:
1. Dr. G. Sailaja, Associate Professor, MED - (PI)
2. Dr. G. Prasanna Kumar, Associate Professor, MED - (Co-PI)
Amount: Rs. 34,000/-
- VI. Project: Development of Friction Welding Setup for Welding of Pipes
Department: Mechanical Engineering
Investigators:
1. Mr. Ahmed Abdul Muneem, Assistant Professor, MED - (PI)
2. Mr. K. MD. Mazharuddin, Assistant Professor, MED- (Co- PI)
Amount: Rs. 47,850/-
- VII. Project: Design and Fabrication of Setup of Friction Stir Welding of Pipes
Department: Mechanical Engineering

Investigators:

1. Mr. Ahmed Abdul Muneem, Assistant Professor, MED - (PI)
2. Dr. Mohammed Viqar Mohiuddin, Professor, MED- (Co- PI)

Amount: Rs. 51,300/-

VIII. Project: Smart Agri Four Legged Bot

Department: Mechanical Engineering

Investigators:

1. Dr. K. Hemalatha, Associate Professor, MED - (PI)
2. Dr. Uma N. Dulhare, Professor, CS & AI- (Co- PI)
3. Mrs. B. Sucharita, Asst. Professor, ECED

Amount: Rs. 1,30,151/-

IX. Project: Terra Explorer: Earth Rover for Earth Centric Applications

Department: Electronics and Communication Engineering

Investigators:

- 1 Mrs. B. Sucharitha, Assistant Professor, ECED - (PI)
2. Dr. K. Hemalatha, Associate Professor, MED- (Co- PI)

Amount: Rs. 90,000/-

X. Project: M.A.R.Q.S – Modular Attachments on Robotic Quadrupedal System

Department: Electronics and Communication Engineering

Investigators:

1. Dr. Ayesha Naaz, Professor, ECED - (PI)
2. Dr. Ishrat Meera Mirzana, Professor, MED- (Co- PI)

Amount: Rs. 94,069/-

XI. Project: Robo Fetch

Department: Electronics and Communication Engineering

Investigators:

1. Dr. Salma Fauzia, Assistant Professor, ECED - (PI)

Amount: Rs. 51,708/-

R & D Projects (2022-23):

I. Project: Development of Electrical Energy Monitoring System in SUES Campus

Department: Electrical Engineering Department

Investigators:

1. Dr. K. Mohammed Rafi, Assistant Professor, EEED
2. Mr. J. V. R. Vithal, Associate Professor, EEED

Amount: Rs. 1,75,000/-

II. Project: DRONE- CENTER of EXCELLENCE (Phase -2)

Department: Electrical Engineering Department

Investigators:

1. Dr. Mohammad Haseeb Khan, Professor, EED
2. Mr. Arshad Mohammed, Assistant Professor, EED

Amount: Rs. 4,82,517/-

III. Project: Women Safety Identity Card

Department: Electronics and Communication Engineering Department

Investigators:

1. Dr. Ayesha Naaz, Professor and I/c Head, ECED
2. Mrs. B. Sucharita, Asst. Professor, ECED

Amount: Rs. 76,250/-

R & D Projects (2021-22):

I. Project: Unmanned Multipurpose Aerial Vehicle (UMAV)

Department: Electrical Engineering Department

Investigators:

1. Dr. Mohammad Haseeb Khan, Professor, EED
2. Mr. Arshad Mohammed, Assistant Professor, EED

Amount : Rs. 5,04,200/-

II. Project: Design and Fabrication of Student Formula Racing Vehicle

Department : Mechanical Engineering Department

Investigators:

3. Dr. Mohammed Viqar Mohiuddin, Professor, MED
4. Mr. Mohammed Hashim Ali, Assistant Professor, MED

Amount: Rs. 2,00,000/- (Alumni fund of Rs.50,000/- received)

III. Project: DRONE- CENTER of EXCELLENCE

Department: Electrical Engineering Department

Investigators:

1. Dr. Mohammad Haseeb Khan, Professor, EED
2. Mr. Arshad Mohammed, Assistant Professor, EED

Amount: Rs.5,43,500/-

IV. Project: Design of IIOT based Assembly line manufacturing process using selectively Compliant Assembly Robotic Arms

Department : Electronics and Communication Engineering

Investigators:

1. Dr. Mohammed Arifuddin Sohel, Professor and Head, ECED

2. Mr. Mohammed Noorullah Khan, Assistant Professor, ECED
Amount : Rs. 98,120/- (Alumni fund of Rs.40,000/- received)

V. Project : Applications of AI in Traffic Management
Department : Civil Engineering
Investigators:

1. Dr. Mohd. Hamraj, Professor and Head, CED
2. Prof. D. Ram Mohan Rao, Professor, CED
3. Mr. Shakeel Ayjaz, Associate Professor, CED
4. Mr. V. D. Raju, Assistant Professor, CED
5. Mr. MDV Prasad, Assistant Professor, ITD

Amount : Rs. 1,45,000/- (Alumni fund of Rs.50,000/- received)

R & D Projects (2020-21):

I. Project: Design and Fabrication of AI Based MR Damper For Gun Mounted Drone.
Department: Mechanical & Electrical Engineering Department
Investigators:

1. Dr. G Sailaja, Associate Professor, MED
2. Dr. Mahaboob Shaik, Associate Professor, EED
3. Dr. Mohammed Sajid, Associate Professor, EED

Amount : Rs. 60,000/-

II. Project: Smart Oxygen Concentrator (SOC)

Department: Electronics and Communication (ECED)

Investigators:

1. Dr. Mohammed Arifuddin Soheli, Head & Professor, ECED
2. Dr. Mohammed Abdul Raheem, Asst. Professor, ECED
3. Mr. Mohammed Muneeruddin, Asst. Professor, ECED

Amount : Rs. 49,915/-

III. Project: Fabrication of Robosoccer bots
Department: Electronics Engineering Department
Investigators:

5. Dr. Mohammed Arifuddin Soheli, Professor, ECED
6. Mr. Hakeem Aejaz Aslam, Assistant Professor, ECED

Amount : Rs. 2,00,000/-

IV. Project: Design of All Terrain Vehicle
Department: Mechanical Engineering Department
Investigators:

1. Dr. Mohammed Viqar Mohiuddin, Professor, MED
2. Dr. D. Srinivas Rao, Professor, MED

Amount : Rs. 60,000/-

- V. Project: Refurbishing of Solar Powered Charkha
Department: Mechanical Engineering Department

Investigators:

1. Dr. D. Srinivas Rao, Professor, MED
2. Mr. Irfan Sadaq, Assistant Professor, MED
- 3.

Amount : Rs. 32,000/-

R&D Cell funded projects (2019-2020)

This year, 33 project proposals were submitted from various departments seeking R & D funding. Out of which, **Fifteen** projects of total amount Rs.8,40,915/- (Phase –I) were approved for funding after review on 26th October, 2019.

The following is the list of sanctioned projects:

1) Title of the project: AI based pest detection and control system using thermal image sensing (EED)

Project team: 1. Mohammed Imroz Khan (1604-16-739-030), 2. Abrar Mohammed (1604-16-739-050), 3. Mohammed Afrozuddin (1604-16-739-036), 4. Mohammed Abdul Gafoor (1604-16-737-104), 5. Syed Muzammil Hussain (1604-16-737-099)

Project guide: Mr. Arshad Mohammed, Assistant Professor, EED

Sanctioned amount: Rs.35,500/-

2) Title of the project: IoT based high concentrated photovoltaic solar lighting system (EED)

Project team: 1. Zeba Urooj (1604-17-739-001), 2. Maslehuiddin Siddiqui (1604-17-739-009), 3. Abdul Muqet (1604-17-739-021), 4. Minhaj (1604-18-739-005), 5. Imroz (1604-16-739-031)

Project guides: (i) Mr. Arshad Mohammed, Assistant Professor, EED and (ii) Md. Jaffer, Assistant Professor, EED

Sanctioned amount: Rs.57,700/-

3) Title of the project: Low cost solar street lighting system (EED)

Project team: 1. Md. Mahmood (1604-16-739-060), 2. Syed Abdul Anas (1604-17-739-026), 3. Ali Khan (1604-17-739-301), 4. Saad Naseeruddin (1604-16-739-023)

Project guides: (i) Md. Jaffer, Assistant Professor, EED, (ii) Mr. Arshad Mohammed, Assistant Professor, EED and (iii) Mr. Md. Umair Quadri, Assistant Professor, EED.

Sanctioned amount: Rs.38,500/-

4) Title of the project: Forward / Reverse mechanically latched contractor (EED)

Project team: 1. Syed Yousuf Abdullah (1604-16-734-301), 2. Syed Mohd Dawar Hussain (1604-16-734-310), 3. Mohammed Noorul Hassan Salman (1604-16-734-051), 4. Mirza Akram Baig (1604-16-734-039)

Project guide: (i) Mr. Mohammed Sajid, Assistant Professor, EED

Sanctioned amount: Rs.26,500/-

5) Title of the project: Object tracking and surveillance using quadcopter (EED)

Project team: 1. B. Chaitanya Roy (1604-18-739-010), 2. Syed Nabeel Ahmed (1604-18-739-017)

Project guide: (i) Mrs. P. Bharathi, Assistant Professor, EED

Sanctioned amount: Rs.46,400/-

6) Title of the project: Smart plotting mechanism (ITD)

Project team: 1. Zehra Taher Saleem (1604-17-737-035), 2. Aakifah sultana (1604-17-737-017), 3. Nafeesa (1604-16-737-018), 4. Mushraf Ahmed (1604-17-737-096), 5. Mohd. Talha Haseeb (1604-17-737-104)

Project guide: (i) Dr. Rafi Uz Zaman, Associate Professor, ITD

Sanctioned amount: Rs.39,000/-

7) Title of the project: Swarm intelligence (ITD)

Project team: 1. Ibrahim Ali(1604-16-738-003), 2. Syeda Manal (1604-16-737-007),3. Mujtaba Khan (1604-16-737-028), 4. Abdul Rahman Malik (1604-16-737-034), 5. Anshul Bhatia (1604-16-737-042), 6. Abdul Rahman (1604-16-737-050)

Project guides: (i) Dr. Devasish Pal, Professor, ITD and (ii) Md. Ibrahim Khaleelullah, Assistant Professor, ITD.

Sanctioned amount: Rs.81,000/-

8) Title of the project: Holo interactive bloke (ITD)

Project team: 1. Kiran Lakhani (1604-17-737-002), 2. Renish Sundrani (1604-16-737-047), 3. Syeda Hiba Siraj (1604-18-737-070),4. Isra Azizunissa (1604-18-737-016),5.Syed Tauseef Ahmed (1604-18-737-025)

Project guides: (i) Dr. Mousmi Ajay Chaurasia, Professor & Head, ITD and (ii) Mohd. Abdul Rasheed, Assistant Professor, ITD.

Sanctioned amount: Rs.78,000/-

9) Title of the project: Single use plastic to fuel conversion system (MED)

Project team: 1. Shahid Dhamani (1604-16-736-064), 2. Uroosa Fatime (1604-16-736-003),3. Deeksha Rana (1604-16-736-001), 4. Mohd. Raheemuddin Ahmed (1604-16-736-063)

Project guides: (i) Dr. Ishrat Meera Mirzana, Professor, MED and (ii) Dr. M.G.V. Satyanarayana, Assistant Professor, Chemistry Dept.

Sanctioned amount: Rs.85,000/-

10) Title of the project: Aerial Surveillance Robird (MED)

Project team: 1. Syed Ishaq Shahzad (1604-17-736-028),2. Kausar Zaidi (1604-17-735-005),3. Mohammad Ghouse Mohiuddin (1604-17-735-096), 4. Khaja Asad ullah (1604-17-735-034), 5. Syed Azhar Hussain Quadri (1604-17-733-082)

Project guides: (i) Dr. (Mrs.) G. Sailaja, Assistant Professor, MED and (ii) Mrs. B. Sucharita, Assistant Professor, ECED

Sanctioned amount: Rs.61,581/-

11) Title of the project: Upper Exo-skeleton (MED)

Project team: 1. Syed Absar ul Haq(1604-16-736-109), 2. Abdullah(1604-16-736-103), 3. Taha Naveed Shibli(1604-16-736-097), 4. Muralidhar Nallapati(1604-16-736-105), 5. Mujtaba Khan(1604-16-737-028), 6. Mohammed Fazal Rahaman Pasha(1604-17-735-113), 7. Syeda Azra Mohi(1604-17-735-068), 8. Mohammed Waseem(1604-17-735-032), 9. Khaja Asad Ullah(1604-17-735-034), 10. Mohammad Ghouse Mohiuddin(1604-17-735-096), 11. Kausar Zaidi(1604-17-735-005), 12. Syed Ishaq Shehzad(1604-17-736-028), 13. Hafsa Taneem(1604-16-736-005)

Project guides: (i) Dr. K. Hemalatha, Assistant Professor, MED, (ii) Mrs. B. Sucharitha, Assistant Professor, ECED and (iii) Mr. Shaik Rasool, Assistant Professor, ITD
Sanctioned amount: Rs.60,000/-

12) Title of the project: Experimental and CFD analysis of various airfoil profiles used in wind turbines (MED)

Project team: 1. R. Venkat (1604-18-736-063), 2. Akshay Kolli (1604-18-736-064), 3. Mirza Rizwan Ali Baig (1604-18-736-065), 4. Mohd. Abdul Mateen (1604-18-736-086)

Project guide: (i) Mr. S. Irfan Sadaq, Assistant Professor, MED
Sanctioned amount: Rs.43,050/-

13) Title of the project: Smart Mirror (CSED)

Project team: 1. Hafsa Taneem (1604-16-733-066), 2. Uroosa Sania (1604-16-733-080), 3. Syed Shah Nooruddin Hussain (1604-16-733-087), 4. Moiz Ali Bhayani (1604-16-733-119), 5. Syed Abdul Saboor Sohail (1604-16-736-023)

Project guide: (i) Mr. Mohammed Abdul Raheem, Assistant Professor, CSED
Sanctioned amount: Rs.36,000/-

14) Title of the project: Synergistic Articulated Robotic Manipulator (SARM) (ECED)

Project team: 1. Syed Taha(1604-16-735-112), 2. Mohammed Wael(1604-16-735-114), 3. Syed Absar ul Haq(1604-16-736-109), 4. Abdullah(1604-16-736-103), 5. M. Nida Fatima(1604-16-735-008), 6. Sana Kausar(1604-16-735-003), 7. Mohammed Zia Ahmed Khan(1604-17-736-070), 8. Mohammed Abrar(1604-17-736-026), 9. Mohammed Mishab Zarrar(1604-17-733-084), 10. Syed Azhar Hussain Quadri(1604-17-733-082)

Project guide: (i) Dr. Kaleem Fatima, Professor, ECED (ii) Ms. Maliha Naaz, Assistant Professor, ECED and (iii) Mrs. Krishna Keerthi Channam, Assistant Professor, ITD
Sanctioned amount: Rs. 77,500/-

15) Title of the project: LAIRA (GIMMIC 3.0)- Low End Artificial Intelligence Robotics Assistant (ECED)

Project team: 1. Rizwana Tabassum(1604-16-735-066), 2. Bushra Fathima(1604-16-735-072), 3. Mohd. Tanzil Bilal(1604-16-735-090), 4. Mohammed Rehan Hussain Khan(1604-17-735-053), 5. Mohd. Safwan Hussain(1604-17-735-023), 6. Md. Aneeq Ur Rahman(1604-17-735-024), 7. Moin Khan(1604-17-735-111), 8. Mohd Abdul Aziz(1604-17-735-020), 9. Syed Sohaib Ali(1604-17-735-026), 10. Mohammed Shoeb(1604-17-735-019), 11. Mirza Ibrahim Baig(1604-17-738-303), 12. Mohd Shahzaib Ashher(1604-18-735-044), 13. Mohammed Ameer(1604-18-735-019), 14. Mohd. Abdul Khader(1604-18-735-096)

Project guides: (i) Dr. Mohammed Arifuddin Sohel, Professor & Head, ECED and (ii) Mrs. B. Sucharita, Assistant Professor, ECED
Sanctioned amount: Rs. 75,184/-

R&D Cell funded projects (2018-19)

This year, 19 project proposals were submitted from various departments seeking R & D funding. Out of which, **14 (Fourteen)** projects were approved for funding after review.

The following is the list of sanctioned projects:

1) Title of the project: Wall Climbing Robot for Surveillance with AI technology (WCRAI) (ITD)

Project team: 1. Zohra Fatima (1604-16-737-062)
2. Qudsia Tahniyath (1604-16-737-074)
3. Shaik Hafizunnisa (1604-16-737-076)
4. Fouzan Khan (1604-16-737-096)
5. Mohammed Naser Sagri (1604-16-737-103)

Project guides: (i) Dr. Mousmi Ajay Chaurasia, Prof, ITD and (ii) Mr. Shaik Rasool, Asst. Prof., ITD
Sanctioned amount: Rs.31,050/-

2) Title of the project: Trebax Chess Board (ITD)

Project team: 1. Ibrahim Mohammed Sakawath Ali (1604-16-738-003)
2. M. Mujtaba Khan (1604-16-737-028)
3. Abdul Rahman Malik (1604-16-737-034)
4. Anshul Bhatia (1604-16-737-042)

Project guides: (i) Dr. Devasish Pal, Prof, ITD and (ii) Mr. M.A. Rasheed, Asst. Prof., ITD
Sanctioned amount: Rs.23,700/-

3) Title of the project: The Next Generation Band (ITD)

Project team: 1. Renish Sundrani (1604-16-737-047)
2. Shahid Dhamani (1604-16-736-064)
3. Kiran Lakhani (1604-17-737-002)
4. Syed Absaar Ul Haq (1604-16-736-109)

Project guides: (i) Dr. Mousmi Ajay Chaurasia, Prof., ITD (ii) Mr. Shaik Rasool, Asst. Prof., ITD and (iii) Dr. Ishrat Meera Mirzana, Prof., MED
Sanctioned amount: Rs. 37,000/-

4) Title of the project: Six Legged ROV (MED)

Project team: 1. P. Mohd. Ikramullah (1604-15-736-076)
2. Md. Faseehuddin (1604-15-736-069)
3. Amayna Mohammadi Sajida (1604-16-739-003)
4. Meraj Saleem (1604-16-739-011)

Project guide: (i) Dr. Ishrat Meera Mirzana, Prof., MED
Sanctioned amount: Rs.1,19,000/-

5) Title of the project: Wanderway- An improved Segway (MED)

Project team: 1. Syed Muzzamil Uddin Qureshi (1604-16-736-028)
2. Md. Idrees Hussain (1604-16-736-036)

3. Md. Wael (1604-16-735-114)
4. Syed Taha (1604-16-735-112)
5. Absar Ul Haq (1604-16-736-109)
6. Abdullah (1604-16-736-103)
7. M. Mujtaba Khan(1604-16-737-028)

Project guides: (i) Mrs. O. Hemalatha, Asst. Prof., MED and (ii) Mrs. B. Sucharitha, Asst. Prof., ECED

Sanctioned amount: Rs.88,000/-

6) Title of the project: Synthesis and Characterization of Nano Magnetorheological fluids for engineering applications (MED)

Project team: 1. Syed Imaduddin Ahmed (1604-16-736-020)
 2. Murtuza Khat (1604-16-736-007)
 3. Syed Murtuza Quadri (1604-16-736-042)

Project guides: (i) Mrs. G. Sailaja, Asst. Prof., MED and (ii) Dr. M.G.V. Satyanarayana, Asst. Prof., Chemistry

Sanctioned amount: Rs.50,000/-

7) Title of the project: Laser Engraver (MED)

Project team: 1. R. Sai Aakash Reddy (1604-16-738-008)
 2. Abdul Sohail (1604-16-738-004)
 3. Altaf Hussain (1604-16-738-030)
 4. Nihal (1604-16-737-120)
 5. Hadi Ali Farooqui (1604-16-737-056)
 6. Mohammed Faisal (1604-16-735-079)
 7. Varha Khan (1604-16-733-011)
 8. Md. Rehan Hussain Khan (1604-17-735-053)
 9. Md. Moin Khan (1604-17-735-111)

Project guides: (i) Dr. Mohd. Viqar Mohiuddin (Prof., MED) and Ms. Maliha Naaz (Asst. Prof., ECED)

Sanctioned amount: Rs 97,000/-

8) Title of the project: Flexible Manufacturing System (MED)

Project team: 1. Zohaib Khan (1604-15-736-090)
 2. Mohd Moazzam Mustafa (1604-15-736-093)
 3. Mir Mohib Ali Quadri (1604-15-736-104)
 4. Mohd Faiz ur Rahman (1604-15-736-106)
 5. Mohammed Abdul Khaliq (1604-15-736-109)
 6. Talha Mohiuddin Rafeeq (1604-15-736-119)

Project guide: (i) Mr. Hakeemuddin Ahmed, Asso. Prof., MED

Sanctioned amount: Rs. 85,491/-

9) Title of the project: 3D Map Generating Autonomous Bot (MED)

Project team: 1. Umair Asharaf (1604-15-736-070)
 2. Safoora Khan (1604-15-737-010)
 3. Tabassum Sultana (1604-16-733-018)
 4. Hadi Ali Farooqui (1604-16-737-056)
 5. Rahila (1604-16-736-002)
 6. Ayesha Manzoor (1604-16-737-003)
 7. Syed Muzammil (1604-16-736-028)

Project guides: (i) Dr. Ishrat Meera Mirzana, Prof., MED and (ii) Mrs. Munavvara Tahaseen, Asst. Prof., ITD

Sanctioned amount: Rs.75,000 /-

10) Title of the project: Humanoid Robot – Phase 3 (ECED)

Project team:

1. Mogal Abdul Sameer Baig (1604-15-735-112)
2. Mulla Mohd Sufiyan (1604-16-735-307)
3. Ifrahur Rahman (1604-16-735-034)
4. Masarath Fathima (1604-16-735-063)
5. Bushra Fatima (1604-16-735-072)
6. Mohammed Faisal (1604-16-735-079)
7. Ayesha Sultana (1604-16-735-068)
8. Nousheen Begum (1604-16-737-020)
9. Afshan Fathima (1604-16-737-011)
10. Mohd. Fazeel Ahmed (1604-16-736-069)
11. Qutub Ahmed (1604-16-738-014)
12. Mohd. Ghouse Mohiuddin (1604-17-735-096)
13. Syed Wajahat Ali (1604-17-735-104)

Project guides: (i) Dr. Mohammed Arifuddin Sohel (Prof., ECED) and (ii) Mr. J.K. Nag (Asso. Prof., ECED)

Sanctioned amount: Rs.1,00,000 /-

11) Title of the project: GIMMIC- A Semi-Humanoid Face Recognition Robot (ECED)

Project team:

1. Mogal Abdul Sameer Baig (1604-15-735-112)
2. Sameena Begum (1604-15-735-065)
3. Nazia Fatima (1604-15-735-070)
4. Mohammed Abdul Nayeem (1604-15-736-115)
5. Mohammed Sohail Khan (1604-15-736-110)
6. Mohammed Saad Khan (1604-15-733-105)
7. Syed Imad Ul Hasan (1604-15-733-035)
8. Suhaib Nizar Ahmed (1604-16-736-037)
9. Abdul Sohail (1604-16-738-004)
10. Abdul Haseeb (1604-16-738-016)
11. Tabassum Sultana (1604-16-733-018)
12. Juveria Khatoon (1604-16-733-062)
13. Hadi Ali Farooqui (1604-16-737-056)
14. Aneequr Rahman (1604-17-735-024)
15. Mohd Mudassir Ahmed (1604-16-737-049)
16. Mohd Safwan Hussain (1604-17-735-023)
17. Mohammed Azeemuddin (1604-16-737-032)

Project guides: (i) Dr. Mohammed Arifuddin Sohel (Prof., ECED), (ii) Mrs. B. Sucharitha (Asst. Prof., ECED) and Mr. Shaik Irfan Sadaq (Asst. Prof., MED)

Sanctioned amount: Rs.1,00,000 /-

12) Title of the project: IoT based vehicle parking system with cloud computing (EEED)

Project team:

1. Altaf Hussain Qadar (1604-15-739-050)
2. Affan Kareem (1604-15-739-048)
3. Wasi Uddin (1604-15-739-041)

Project guide: (i) Mrs. Narjis Begum, Asst. Prof., EEED

Sanctioned amount: Rs.20,000 /-

13) Title of the project: I. Experimental Study of Effect of Fiber Density on Shear strength of RC Beams with externally bonded FRP Wraps (CED)

II. Experimental Study on effect of Fiber density on Flexural Performance of RC Beams with externally bonded FRP Wraps (CED)

Project team: I. 1. Mohammed Rehan Ali (1604-17-741-002)

II. 1. Mohammed Nadeem Uddin (1604-17-741-013)

Project guide: : I. (i) Mr. Toufeeque Anwar., Asso. Prof., CED and II. (i) Mr. Syed Jawwad Ahmed, Asst. Prof., CED.

Sanctioned amount: Rs.1,00,000 /-

14) Title of the project: Biodiesel Extraction- Phase 5- Automation of Biodiesel Pilot Plant using Continuous flow process (Chemistry Dept.)

Project team: 1. Tauseef Unnisa (1604-17-738-001)

2. Md. Rizwan Ahmed (1604-17-738-032)

Project guide: (i) Dr. M. G.V.Satyanarayana, Asst. Prof., Chemistry (ii) Mr. K. Mohammed Rafi, Asst. Prof., EEED and (iii) Dr. Ishrat Meera Mirzana, Prof., MED

Sanctioned amount: Rs.45,000 /-

R&D Cell funded projects (2017-18)

This year, 26 project proposals were submitted from various departments seeking R & D funding. Out of which, **11 (Eleven)** projects were approved for funding after review.

The following is the list of sanctioned projects:

1) Title of the project: Pneumatic Quadruped Robot (MED)

Project team: 1.M. A. Muqeeth (1604-14-736-102)

2. Syed Ausaf Qureshi (1604-14-736-069)

3. M. A. Muqeeth Jibran (1604-14-736-061)

4. M. Abdul Aziz Siddiqui (1604-14-735-077)

5. Mohd Faisal (1604-14-735-080)

Project guides: (i) Dr. Ishrat Meera Mirzana, Asso. Prof., MED and (ii) Dr. Kaleem Fatima, Prof., ECED

Sanctioned amount: Rs.79,966/-

2) Title of the project: IoT based Smart 3D Printer (ECED, EED & MED)

Project team: 1. Arshad Ahmed (1604-14-735-085)

2. Mohd Farhan Ahmed Khaled (1604-14-735-089)

3. Zia ur Rahman (1604-14-735-087)

4. Samiya Iftakar (1604-14-734-002)

5. Mohammad Abrar Ahmed (1604-14-734-003)

6. Mohammad Ghouse Moinuddin (1604-14-734-305)

7. P Mohammad Ikramullah (1604-14-736-076)

8. Mohammad Abdul Nayeem (1604-14-736-115)

Project guides: (i) Dr. Arifuddin Sohail, Head & Prof., ECED, (ii) Mrs. Aijaz Fatima, Asso. Prof., EED and

(iii) Dr. Viqar Mohiuddin, Asso. Prof., MED.

Sanctioned amount: Rs.32,380/-

3) Title of the project: Humanoid Robot- Phase 2 (ECED & MED)

Project team: 1. Shwana (1604-14-735-014)
2. Mohd Saber (1604-14-735-018)
3. Qudsia Masood (1604-14-735-040)
4. Naheed Fatima (1604-14-735-062)
5. Zeshan Adbul Majeed Azmi (1604-14-735-082)
6. Syed Abrar (1604-14-735-117)
7. Atif Furqan (1604-14-736-080)
8. Mohd. Abdul Khaliq (1604-14-736-078)

Project guides: (i) Dr. Arifuddin Soheli, Head & Prof., ECED, (ii) Mr. J. K. Nag, Asso. Prof., ECED and

(iii) Mr. Hakeemuddin Ahmed, Asso. Prof., MED

Sanctioned amount: Rs.75,828/-

4) Title of the project: Security Patrolling Autonomous Robot (ECED)

Project team: 1. Mohammed Nabeel Idrees (1604-15-735-013)
2. Sarim Mohammed Fawaz (1604-15-735-055)
3. Sk. Najmah (1604-15-735-001)

Project guides: (i) Mrs. Salma Fauzia, Asst. Prof., ECED and (ii) Ms. Maliha Naaz, Asst. Prof., ECED
Sanctioned amount: Rs.54,205/-

5) Title of the project: Automated Navigation System with Indoor Assistance for the Blind (ANISAB) (ITD)

Project team: 1. Saba Ahmed Jalal (1604-15-737-001)
2. Mogal Hidayathulla Baig (1604-15-737-043)
3. Abdul Aziz (1604-15-737-117)
4. Mohd Mudabbir Ahmed (1604-15-737-109)
5. Sameera Begum (1604-15-737-002)

Project guides: (i) Dr. Mousmi Ajay Chaurasia, Head & Prof., ITD and (ii) Mr. Shaik Rasool, ITD
Sanctioned amount: Rs. 45,350/-

6) Title of the project: ISMART- Automated Classroom using IoT an initiative towards Thing Speak (CSED)

Project team: 1. Mohasin Ahamed Chinnapattan (1604-14-733-094)
2. Mohd Abdul Mubeen (1604-17-742-010)
3. Ayesha Nazneen Ahmed (1604-15-733-007)
4. Mohd Hussam Ali (1604-17-742-018)

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

Sanctioned amount: Rs.45,880/-

7) Title of the project: Analysis of Air Pollution using a Quadcopter (EIED)

Project team: 1. Syed Mansoor (1604-15-739-017)
2. Mohammad Naqui (1604-15-739-053)
3. Shaik Wasim Akram (1604-15-739-045)

Project guides: (i) Mrs. P. Bharathi, Asst. Prof., EIED and (ii) Dr. Satyanarayana M. G.V, Asst. Prof., Chemistry Dept.

Sanctioned amount: Rs 48,800/-

8) Title of the project: Fabrication of oxide nanoparticles for gas sensor applications (ECED & Physics Dept.)

Project team: 1. Abdul Majeid (1604-14-735-017)
2. Syed Arif (1604-14-735-301)
3. Syed Imaduddin Ahmed (1604-16-736-020)

Project guides: (i) Dr. Shaik Kareem Ahmmad, Physics Dept., and (ii) Mr. Mohd. Abdul Raheem, Asst. Prof., ECED

Sanctioned amount: Rs.30, 500 /-

9) Title of the project: Effect of Nano particles in thermal and mechanical properties of ordinary Portland cement (CED & Physics Dept.)

Project team: 1. Syed Taqiuddin Ahmed (1604-15-732-081)
2. Md Hashim (1604-15-732-082)
3. Shaik Mohd Salman (1604-15-732-061)

Project guides: (i) Dr. Shaik Kareem Ahmmad, Physics Dept., and (ii) Dr. Mohd. Hamraj, Head & Prof., CED

Sanctioned amount: Rs.22,000 /-

10) Title of the project: Fabrication of electronic kit using spectrophotometric method to detect contaminants in Oils such as olive oil and vegetable oil (Physics Dept.)

Project team: 1. Nameera Jabeen (1604-16-733-012)
2. Syed Imaduddin Ahmed (1604-16-733-020)

Project guide: (i) Dr. Shaik Kareem Ahmmad, Physics Dept.

Sanctioned amount: Rs. 13,000/-

11) Title of the project: Smart Energy Auditing and validation of in-use state and stand-by state power consumption in EED, MJCET to optimize power consumption and suggest cost-effective and safety measures (EED)

Project team: 1. Tauseef (1604-15-739-014)
2. Nauman (1604-15-739-015)
3. Shaik Md Mansoor (1604-15-734-037)
4. Sathira ummul khair (1604-15-734-005)
5. Md. Nazim Sharief (1604-15-734-036)

Project guides: (i) Dr. J. Namratha Manohar, Prof., EED, (ii) Dr. Mahaboob Shaik, Asst. Prof., EED, (iii) Mr. Arshad

Mohammed, Asst. Prof., EED and (iv) Mr. Vittal, Asso. Prof., EED

Sanctioned amount: Rs.38,970 /-

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: 11. 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 Shujaiddin 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 /-