

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 ViquarMohiuddin, 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. Sucharita, 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. IshratMeeraMirzana, 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 ViquarMohiuddin, 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 ArifuddinSohel, 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. ShakeelAyjaz, 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.MahaboobShaik, 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 ArifuddinSohel, 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 ArifuddinSohel, Professor, ECED
6. Mr. Hakeem AejazAslam, Assistant Professor, ECED

Amount :Rs. 2,00,000/-

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

1. Dr. Mohammed ViquarMohiuddin, Professor, MED
2. Dr. D. SrinivasRao, Professor, MED

Amount :Rs. 60,000/-

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

Investigators:

1. Dr. D. SrinivasRao, Professor, MED
2. Mr.IrfanSadaq, 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. Maslehuddin 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 AbsarulHaq(1604-16-736-109),2. Abdullah(1604-16-736-103), 3. TahaNaveedShibli(1604-16-736-097), 4. MuralidharNallapati(1604-16-736-105), 5.Mujtaba Khan(1604-16-737-028), 6. Mohammed FazalRahamanPasha(1604-17-735-113), 7.Syeda AzraMohi(1604-17-735-068), 8.Mohammed Waseem(1604-17-735-032), 9. KhajaAsadUllah(1604-17-735-034), 10. Mohammad GhouseMohiuddin(1604-17-735-096), 11.Kausar Zaidi(1604-17-735-005), 12.Syed IshaqShehzad(1604-17-736-028), 13. HafsaTaneem(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. AkshayKolli (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:Synergitic Articulated Robotic Manipulator (SARM) (ECED)

Project team: 1. Syed Taha(1604-16-735-112), 2.Mohammed Wael(1604-16-735-114), 3.Syed AbsarulHaq(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 MishabZarrar(1604-17-733-084), 10.Syed AzharHussainQuadri(1604-17-733-082)

Project guide: (i) Dr. Kaleem Fatima, Professor, ECED (ii) Ms. Maliha Naaz, Assistant Professor, ECED and (iii) Mrs. Krishna KeerthiChannam, 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. TanzilBilal(1604-16-735-090), 4.Mohammed RehanHussain Khan(1604-17-735-053), 5.Mohd. SafwanHussain(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 ShahzaibAshher(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. QudsiaTahniyath (1604-16-737-074)
3. ShaikHafizunnisa (1604-16-737-076)
4. Fouzan Khan (1604-16-737-096)
5. Mohammed NaserSagri (1604-16-737-103)

Project guides:(i) Dr.Mousmi Ajay Chaurasia, Prof, ITD and (ii) Mr.ShaikRasool, 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. RenishSundrani (1604-16-737-047)
2. ShahidDhamani (1604-16-736-064)
3. KiranLakhani (1604-17-737-002)
4. Syed AbsaarUIHaq (1604-16-736-109)

Project guides:(i) Dr.Mousmi Ajay Chaurasia, Prof., ITD (ii) Mr.ShaikRasool, Asst. Prof., ITD and (iii) Dr.IshratMeeraMirzana, 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. AmaynaMohammadiSajida (1604-16-739-003)
4. MerajSaleem (1604-16-739-011)

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

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

Project team: 1. Syed MuzzamilUddinQureshi (1604-16-736-028)
2. Md. IdreesHussain (1604-16-736-036)

3. Md. Wael (1604-16-735-114)
4. Syed Taha (1604-16-735-112)
5. AbsarUlHaq (1604-16-736-109)
6. Abdullah (1604-16-736-103)
7. M. MujtabaKhan(1604-160737-028)

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. MurtuzaKhat (1604-16-736-007)
3. Syed MurtuzaQuadri (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. SaiAakash Reddy (1604-16-738-008)
2. Abdul Sohail (1604-16-738-004)
3. AltafHussain (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. RehanHussain Khan (1604-17-735-053)
9. Md. Moin Khan (1604-17-735-111)

Project guides:(i) Dr.Mohd. ViqarMohiuddin (Prof., MED) and Ms.MalihaNaaz (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. MohdMoazzam Mustafa (1604-15-736-093)
3. Mir Mohib Ali Quadri (1604-15-736-104)
4. MohdFaizurRahman (1604-15-736-106)
5. Mohammed Abdul Khaliq (1604-15-736-109)
6. TalhaMohiuddinRafeeq (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. UmairAsharaf (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.IshratMeeraMirzana, Prof., MED and (ii) Mrs.MunavvaraTahaseen, 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. MullaMohdSufiyan (1604-16-735-307)
3. IfrahurRahman(1604-16-735-034)
4. MasarathFathima (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. AfshanFathima (1604-16-737-011)
10. Mohd. Fazeel Ahmed (1604-16-736-069)
11. Qutub Ahmed (1604-16-738-014)
12. Mohd. GhouseMohiuddin (1604-17-735-096)
13. Syed Wajahat Ali (1604-17-735-104)

Project guides:(i) Dr. Mohammed ArifuddinSohel (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. NaziaFatima(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 ImadUIHasan (1604-15-733-035)
8. SuhaibNizar Ahmed (1604-16-736-037)
9. Abdul Sohail (1604-16-738-004)
10. Abdul Haseeb (1604-16-738-016)
11. TabassumSultana (1604-16-733-018)
12. JuveriaKhatoon (1604-16-733-062)
13. HadiAli Farooqui (1604-16-737-056)
14. AneequrRahman (1604-17735-024)
15. MohdMudassir Ahmed (1604-16-737-049)
16. MohdSafwanHussain (1604-17-735-023)
17. Mohammed Azeemuddin (1604-16-737-032)

Project guides:(i) Dr. Mohammed ArifuddinSohel (Prof., ECED), (ii) Mrs. B. Sucharitha (Asst. Prof., ECED) and Mr.ShaikIrfanSadaq (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. AltafHussainQadar (1604-15-739-050)
2. Affan Kareem (1604-15-739-048)
3. WasiUddin (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 NadeemUddin (1604-17-741-013)

Project guide: I. (i) Mr.Toufeeq 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. TauseefUnnisa (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.IshratMeeraMirzana, 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 AusafQureshi (1604-14-736-069)
3. M. A. MuqeethJibran (1604-14-736-061)
4. M. Abdul Aziz Siddiqui (1604-14-735-077)
5. Mohd Faisal (1604-14-735-080)

Project guides:(i) Dr.IshratMeeraMirzana, 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. MohdFarhan Ahmed Khaled (1604-14-735-089)
3. Zia urRahman (1604-14-735-087)
4. SamiyaIftekar (1604-14-734-002)
5. Mohammad Abrar Ahmed (1604-14-734-003)
6. Mohammad GhouseMoinuddin (1604-14-734-305)
7. P Mohammad Ikramullah (1604-14-736-076)
8. Mohammad Abdul Nayeem (1604-14-736-115)

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

(iii) Dr.ViquarMohiuddin, 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. QudsiaMasood(1604-14-735-040)
4. Naheed Fatima(1604-14-735-062)
5. ZeshanAdbulMajeedAzmi(1604-14-735-082)
6. Syed Abrar(1604-14-735-117)
7. AtifFurqan(1604-14-736-080)
8. Mohd. Abdul Khaliq(1604-14-736-078)

Project guides:(i) Dr.ArifuddinSohel, 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 NabeelIdrees(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.MalihaNaaz, 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. MogalHidayathullaBaig(1604-15-737-043)
3. Abdul Aziz(1604-15-737-117)
4. MohdMudabbir 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.ShaikRasool, 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. MohasinAhamedChinnapattan(1604-14-733-094)
2. Mohd Abdul Mubeen(1604-17-742-010)
3. Ayesha Nazneen Ahmed(1604-15-733-007)
4. MohdHussam 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. ShaikWasimAkram(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. MdHashim(1604-15-732-082)
3. ShaikMohd 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. NameeraJabeen(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. ShaikMdMansoor (1604-15-734-037)
4. Sathiraummulkhair (1604-15-734-005)
5. Md. NazimSharief (1604-15-734-036)

Project guides:(i) Dr. J. NamrathaManohar, Prof., EED, (ii) Dr.MahaboobShaik, 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: 1. Mohammad KashifMoiz (1604-13-735-019)
2. Syed Abdul Hannan (1604-13-735-038)

3. G. Vineeth (1604-13-735-047)
4. Mohammed ArshadUddin (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.MahrukhHasan (1604-13-735-012)
2.SyedaNemathUnnisa (1604-13-735-014)
3. SumaiyyaRahman (1604-13-735-062)

Project guide:Dr.ArifuddinSohel, Professor, ECED

Sanctioned amount: Rs.24,502/-

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

- Project team: 1.Md. Khajallias 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. TayyabaFarha (1604-14-735-068)

Project guide: (i) Mrs. Salma Fauzia, Asst. Prof., ECED and (ii) Ms.MalihaNaaz, 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. ImaadKhadri (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. PanayalaChetan (1604-13-733-035)
3. AkhterRasool (1604-13-733-051)

Project guide: (i) Mrs.FahminaTaranum, 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.AmenaNajeeb (1604-13-735-005)
2.Syed Kashif (1604-13-735-028)
3. Md. Yousuf Ahmed (1604-13-735-039)
4. Syed JawwadMohiuddin (1604-13-735-113)

5. Shaik Mohammed Simraan (1604-13-735-115)
6. Syed QurramZeeshan (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.DhanrajPamar, 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.MohdAsif (1604-13-737-034)
2.Mohammed HaseebullahQureshi (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.ArifuddinSohel, 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 Siquiqui (1604-14-735-077)
2. Md. AmmarIqbal Khan (1604-14-736-003)
3. Md. Abdul Moyeed (1604-14-735-088)
4. MdShujauddinFaaras (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.AsfiaAleem (1604-13-734-001)
3. Mohammed Abrar Ahmed (1604-13-734-303)
4. SamiyaIftekar (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.UzmaAlam (1604-13-739-004)
3. HumeraNaaz (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.ShaikRauhon Ahmed (1604-13-736-065)
2.Syed ShahbazPeeranQadri (1604-15-736-001)
3. Mohammed RehanUddin (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 AdilMohiuddin (1604-13-736-007)
2.Mohammed ZainMohiuddin (1604-13-736-010)
3. Mohd Abdul Taleb (1604-13-736-021)

Project guide:(i) Mrs.IshratMeeraMirzana, 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.MalihaNaaz, 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/-