

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 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: Synergitic 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/-