

## Muffakham Jah College of Engineering and Technology

### Information Technology Department

#### Details of externally funded projects undertaken by department faculty

S. No.	Title of the Project / Proposal	Proposal Submitted to	Principal Investigator and co-investigator(s)	Amount (Rs.)
1.	Smart waste management for Covid 19 related primary health care centers and villages in remote areas	IEEE HAC, USA	Dr, Mousmi Ajay Chaurasia, Head, ITD Dr. Amit Kumar, Director, BioAxis Pvt Ltd	4750 USD

#### Details of projects funded by R & D cell of MJCET

##### MJCET R & D Cell funded projects (2019-2020)

The following is the list of 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 Muqeeet (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/-