



Methodist College of Engineering & Technology

King Koti, Abids, Hyderabad-500 001 Phone : 24755999, 24753445
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Innovations and Entrepreneur Development Cell (IEDC)

Methodist College of Engineering and Technology is establishing an 'Innovations and Entrepreneur Development Cell (IEDC)' with effect from the academic year 2018-19. The main objectives of the cell are:

- To organise Entrepreneurship Awareness Camps, Entrepreneurship Development Programmes, Faculty Development Programmes and Skill Development Programmes in the institution.
- To initiate innovative student projects each year for new innovative product development.
- To guide and assist prospective entrepreneurs on various aspects such as preparing project reports, obtaining project approvals, loans and facilities from agencies of support system, information on technologies, etc.
- To arrange interaction with entrepreneurs and create a mentorship scheme for student entrepreneurs.
- To facilitate creation of entrepreneur's club in each department to foster culture of entrepreneurship amongst students.
- Encouraging filing of patents

Following are the members of the IEDC.

1. Dr Raghuchandra	Dept of EEE	Coordinator
2. Mr M Satish Yadav	Dept of ECE	Member
3. Mr L Tirupathi	Dept of CSE	Member
4. Mr Mohd. Imran	Dept of CE	Member
5. Mr Bhaskar	Dept of H&S	Member
6. Mr R Srikant	Dept of ME	Member
7. One Student representative	(each dept)	Member

All the members are requested to plan and take up the activities to foster growth of Innovation & Entrepreneurship amongst the faculty and students, thereby promoting the entrepreneurial culture in the college.

DIRECTOR

Principal / Director
Methodist College of Engg. & Tech
Abids, Hyderabad-01.



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INNOVATIONS AND ENTREPRENEURSHIP DEVELOPMENT CELL (IEDC)

A.Y. 2019-20

Vision:

"Our vision is to develop, enhance, and carve out the inner innovative and entrepreneurial potentials of the students by way of providing them an opportunity to present their views in front of IEDC."

Mission:

"IEDC aims to convert feasible ideas into absolute business propositions, which will not only add value to an individual but will also, benefit the nation as a whole."

Objectives of the Cell:

- To create an environment for self-employment and entrepreneurship development through formal and non-formal programmes.
- To introduce the concept of entrepreneurship in curricula at diploma and degree levels.
- To develop management personnel at appropriate levels for the non-corporate and unorganized sectors like education, rural development, small-scale industry etc.
- To utilize the infrastructure facilities and technically trained manpower for the development of non-corporate and unorganized sectors.
- To promote employment opportunities.



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Functions

- F1. To promote the Entrepreneurship culture by organizing Entrepreneurship Awareness Camps, Entrepreneurship Development Programmes, Faculty Development Programmes and Skill Development Programmes in the institution.
- F2. To initiate innovative student projects each year for new innovative product development.
- F3. To guide and assist prospective entrepreneurs on various aspects such as preparing project reports, obtaining project approvals, loans and facilities from agencies of support system, information on technologies, etc. by creating a bridge between industries and the academic institution.
- F4. To arrange interaction with entrepreneurs and create a mentorship scheme for student entrepreneurs to be a successful firm.
- F5. To facilitate the creation of entrepreneur's club in each department to foster a culture of entrepreneurship amongst students.
- F6. To encourage filing of patents among students and faculties.

Program Outcomes

PO1	Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
PO2	Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
PO3	Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
PO4	Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
PO5	Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.
PO6	The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
PO7	Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, demonstrate the knowledge of, and need for sustainable development.
PO8	Ethics: Apply ethical principles and commit to professional ethics, responsibilities, and norms of the engineering practice.
PO9	Individual and teamwork: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.



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PO10	Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
PO11	Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
PO12	Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Mapping of Functions (F) with POs

Correlation Level: High – 3; Medium – 2; Low – 1

PO / F	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
F1	2	2	3	3	2	-	-	-	2	2	3	1
F2	2	3	3	3	2	-	-	-	2	2	3	1
F3	2	2	2	3	3	-	-	-	3	2	3	-
F4	1	2	2	3	3	2	-	-	2	2	3	1
F5	2	2	2	2	3	-	-	-	3	2	3	1
F6	3	3	3	3	2	2	-	-	2	2	3	1
F	2.0	2.3	2.5	2.8	2.5	2.0	-	-	2.3	2.0	3.0	1.0

Facilities

- A proper infrastructure to provide testing, calibration, quality assurance, design, tool room, pilot plant and other facilities for Entrepreneurs besides expertise in Intellectual Property Rights, Patents search, etc.



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INNOVATIONS AND ENTREPRENEURSHIP DEVELOPMENT CELL (IEDC)

A.Y. 2019-20

Committee composition

The IEDC is composed of Head of the Parent Institution (Chairman), One Coordinator, one senior faculty member from each department of the Institution, one student coordinator from each department, and one student representative member from each department for every year.

Committee members

Faculty Members:

✕ Dr. G. Raghu Chandra, EEE	-	Coordinator, IEDC
✕ Sri M. Satish Yadav, ECE	-	Member, IEDC
✕ Sri Mohd. Imran, CE	-	Member, IEDC
✕ Sri R. Srikanth, ME	-	Member, IEDC
✕ Sri M.V.D.S. Krishnamurthy, CSE-	-	Member, IEDC
✕ Smt. A. Brundavani, DBM	-	Member, IEDC
✕ Sri Bhaskar, H&S	-	Member, IEDC

Major Student Coordinators:

✕ G. Akshay Kumar, Department of Business Management (DBM)
✕ G. Nandita, Department of Civil Engineering (CE)
✕ V. Shravya Reddy, Department of Computer Science Engineering (CSE)
✕ Mohammed Awaisuddin Nawaz Khan, Department of Electronics and Communication Engineering (ECE)
✕ Inukonda Navya, Department of Electrical and Electronics Engineering (EEE)
✕ Gandreti Pavani, Department of Electrical and Electronics Engineering (EEE)
✕ G. Shivani, Department of Mechanical Engineering (ME)

Other Student Members:

✕ Honey Kiran Harjani (160715672046), DBM	✕ N. Shiva Kumar (160717734014), EEE
✕ Syed Khwaja (160716672045), DBM	✕ Abdul Rehman (160718734014), EEE
✕ Tiruveedhula Karthik (160717672056), DBM	✕ L.D. Kanshik (160712736086), ME
✕ K. Raghavendra Sameer (160714732056), CE	✕ Md. Shafee Patel (160713736011), ME
✕ G. Mahesh Kumar (160715732314), CE	✕ T. Prabhakar Rao (160714736312), ME
✕ M. Jyothi (160716732057), CE	✕ Md. Muqem Uzair (160715736036), ME
✕ Gite Nandita (160717732301), CE	✕ A. Vaishnavi (160716736029), ME
✕ K. Akhil (160718732005), CE	
✕ P. Meghna (160714733013), CSE	
✕ Rohith Purushotham (160715733076), CSE	
✕ Radhika Sagar (160716733109), CSE	
✕ G. Aditya (160717733090), CSE	
✕ Gursimar Singh (160718733114), CSE	
✕ Kiran Sriramula (160711735082), ECE	
✕ Pathan Babhukhan (160712735301), ECE	
✕ Koduru Himaja (160713735075), ECE	
✕ Mohammed Abdul Qadeer (160714735049), ECE	
✕ Badugu Sreeman (160715735070), ECE	
✕ P. Satish (160714734019), EEE	
✕ Poojari Ravi Chandran (160715734030), EEE	
✕ B. Srikanth (160716734301), EEE	



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INNOVATIONS AND ENTREPRENEURSHIP DEVELOPMENT CELL (IEDC)

A.Y. 2019-20

Roles & Responsibilities of Committee Members

Role of the Coordinator

1. To ensure all necessary tasks related to the innovations and entrepreneurs in the institution.
2. To coordinate among all members of the committee regarding possible innovations and IPR.
3. To chair committee meetings ensuring that they are run efficiently and effectively.
4. To perform any other related duty assigned by Director/ Principal of the institution.
5. To Plan and organise the event(s) with the coordination of all the committee members.
6. To procure the appropriate approvals for the event(s) planned.
7. To encourage committee members to find alternate techniques about using technology for better learning/teaching experience.

Role of the Faculty Member

1. Maintain records of the Committee and ensure effective management of committee's records.
2. Instruct all the students' coordinators and representatives to attend the meetings regularly and to forward the minutes among all other students of the institution.
3. Formulate and update the yearly calendar of events under the observation of co-ordinator of the committee.
4. To monitor at regular interval for reviewing the quality of the innovative policies and update, if necessary.
5. Communicate with respective Head of the Department regarding the activities of the cell.
6. Identify the students who have leadership quality and propose their name to the coordinator as student coordinator/representative for every year.
7. Report all the related activities to the coordinator of the committee.
8. To organize and promote different awareness programmes regarding Entrepreneurship.

Role of the Student Member

1. To identify interested students for possible innovations and entrepreneurship.
2. To help faculty members in organizing different events under IEDC.
3. To coordinate with the Student Committee members in communications with the department faculty member of the IEDC.
4. To follow up and implement the instructions given by co-ordinator and faculty members of the committee.
5. To collect the data for each and every events under the guidance of the faculty member.
6. Develop among themselves a sense of social and civic responsibility.
7. Promoting the entrepreneurship awareness campaigning among other students.



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Long Term Goals (5 Years)

- ✓ Motivate students to develop their own startups.
- ✓ Develop business incubators.
- ✓ Create corpus fund to seed ventures.

Short Term Goals (2 Years)

- ✓ To provide a platform for interaction with entrepreneurs.
- ✓ Impart entrepreneurial education/skills amongst students through various trainings and exercise.
- ✓ Arrange vibrant interaction with organizations promoting the cause of entrepreneurship.

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Dr. RAGHU CHANDRA GARIMELLA

Minutes of Meeting held on 08-05-2019

A Meeting was held between the members of IEDC:

1. Dr. G. Raghu Chandra, EEE - Coordinator, IEDC
2. Sri M. Satish Yadav, ECE - Member, IEDC
3. Sri Mohd. Imran, CE - Member, IEDC
4. Sri R. Srikanth, ME - Member, IEDC
5. Sri Tirupathy, CSE - Member, IEDC
6. Smt. A. Brundavani, DBM - Member, IEDC
7. Sri Bhaskar, H&S - Member, IEDC

A series of discussions were made between the committee members for selection of potential members/representatives from students' community for IEDC. The following names were proposed by the members of IEDC and accepted during the meeting for the outreach of aimed targets among students':

Student Members:

1. G. Akshay Kumar, Department of Business Management
2. G. Nandita, Department of Civil Engineering
3. V. Shravya Reddy, Department of Computer Science Engineering
4. Mohammed Awaisuddin Nawaz Khan, Department of Electronics and Communication Engineering
5. Inukonda Navya, Department of Electrical and Electronics Engineering
6. Gandreti Pavani, Department of Electrical and Electronics Engineering
7. G. Shivani, Department of Mechanical Engineering

The following are the responsibilities of Student Representatives:

- To initiate innovative student projects each year for new innovative product development.
- To facilitate creation of entrepreneur's club in each department to foster culture of entrepreneurship amongst students.
- To arrange interaction with students and IEDC faculty members.
- To cope up with the students of all years for possible innovative ideas and to provide the feedback to the IEDC faculty members on timely basis.
- Encouraging all the potential students for filing of patents.
- Inspiring students for having at least one start-up per academic year (from each branch).

Copy to:

1. The Director, MCET
2. Principal, MCET
3. Dean (Academics), MCET
4. Vice-Principal
5. HOD/ECE (requesting to display on notice board)
6. HOD/CIVIL (requesting to display on notice board)
7. HOD/CSE (requesting to display on notice board)
8. HOD/Mechanical (requesting to display on notice board)
9. HOD/EEE (requesting to display on notice board)
10. HOD/H&S (requesting to display on notice board)
11. HOD/MBA (requesting to display on notice board)
12. Administrative Office
13. IEDC Members (Soft Copy)
14. IEDC File

METHODIST COLLEGE OF ENGINEERING AND TECHNOLOGY
Innovations and Entrepreneur Development Cell (IEDC)

Dr. RAGHU CHANDRA GARIMELLA

Minutes of Meeting held on 07-03-2019

A Meeting was held at PE Lab, Department of EEE with the following members:

- | | | |
|-------------------------------------|---|-------------------|
| 1. Dr. G. Raghu Chandra, EEE | - | Coordinator, IEDC |
| 2. Sri M. Satish Yadav, ECE | - | Member, IEDC |
| 3. Sri Mohd. Imran, CE | - | Member, IEDC |
| 4. Sri R. Srikanth, ME | - | Member, IEDC |
| 5. Sri Bhaskar, H&S | - | Member, IEDC |

A series of discussions were made between the committee members. Major aspects of discussion are the possibility of Faculty Innovations, Innovative Projects for Students, Encouraging MCET students' for possible *Startups*, Instigation of Entrepreneur's Club for MCET Students', Faculty Development Programs, and Filing of Patents.

Further, an extended discussion was made in the meeting regarding **WRITING FUNDED RESEARCH PROJECT PROPOSALS**. Few concepts of R&D Projects were discussed and all the members of IEDC were actively responded.

OUTCOMES:

Following are the points/suggestions recorded during the meeting that were provided by the members of IEDC Committee, that are to be collected from all the departments to proceed towards the aimed targets of IEDC:

- Find out the available lab equipment/software from all the departments to carry out possible innovative projects and *list of any five (05) innovations that can be made using the existing equipment/software from each department.*
- List of innovative projects carried out in the past 4 years i.e., 2015-19, in all the departments and outcomes of the respective project students.
- Sorted list of working lab equipment/software from all the departments to carry out possible inter-disciplinary innovative projects.

The meeting was ended with some general discussions on Innovations, viz. *Aravindguptatoys*, *NIF (an initiative of DST)*, *Pallesrujana (Magazine)*, etc.

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 6. HOD/CIVIL
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A.Y. 2019-20

Student Feedback Form for the Academic Year -----

Name: Course:Department:.....ID:.....

Years/Semester: (-----) I / II Address.....

Mobile E-mail

Please give a rating of your course on the following :-

9	8	7	6	5	4	3	2	1
Extremely Good	Very Good	Good	Moderately Good	Moderate	Somehow Tolerable	Poor	Very Poor	Extremely Poor

Sl.#	Particulars	Rating
1	Learning value (in terms of skills, concepts, knowledge, analytical abilities, or broadening perspectives)	
2	Applicability/relevance to real life situations	
3	Depth of the course content	
4	Extent of coverage of course	
5	Extent of effort required by students	
6	Relevance/learning value of project/ report	
7	Overall rating	

[tick (✓) in the relevant cell]

8. Are you able to access IEDC as and when you require	Yes		No	
9. Are you making use of educational online resources	Yes		No	
10. Are there enough number of resources available with you	Yes		No	
11. Are the staff co-operative and helpful	Yes		No	

12. Your overall experience about the Event:

13. Which were the most useful parts of the event/Lecture:

14. How could we improve the event/Program?

We thank you for your cooperation and look forward to an ongoing association with you.

Participant Signature



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INNOVATIONS AND ENTREPRENEURSHIP DEVELOPMENT CELL (IEDC) A.Y. 2019-20

List of Entrepreneurs of MCET

Name of the Entrepreneur(s): *K. Anil Kumar (160718732032)*

Name of the Firm/Startup: *Art Maker Anil*

Startup Date: *Feb. 14, 2019*

Department: *Civil Engineering*



Fig. 1(a)

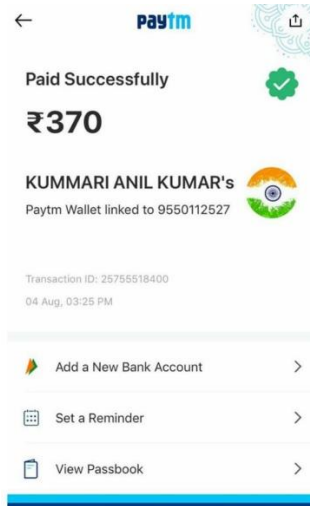
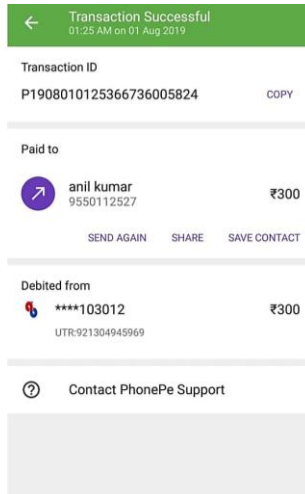


Fig. 1(b)



Fig. 1(c)

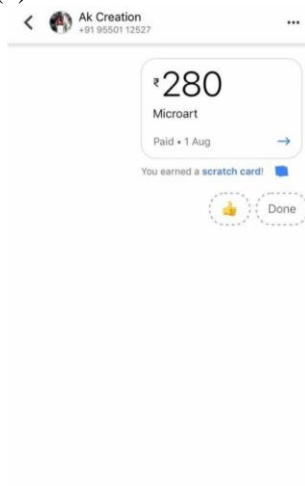


Fig. 1(d)

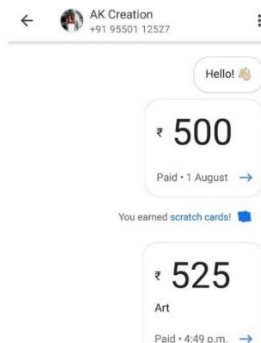
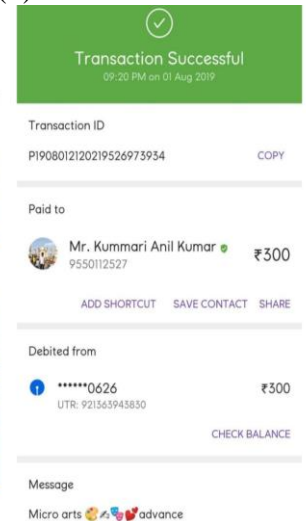


Fig. 1(e)

Fig. 1 Artistic works made and sold by Mr. Anil Kumar under IEDC as a Startup