

RESEARCH COUNCIL

ANNUAL REPORT - 2016

Sr. No	Contents
1	Research Council for the Year 2016
2	Overview
3	Research Progress Review
4	Publication
5	Research Promotion Activities
6	Proposals Submitted
7	Ongoing Funded Projects Details
8	Institution Grants for Research

1. Research Council for the Year 2016

Sr. No	Role	Name and Designation
1	Chairperson	Dr. G L Easwara Prasad, Principal
2	Members	Dr. Venkatramana Bhat P, Professor and Head, Dept. of Computer Science & Engg.
3		Dr. Ganesha Mogaveera, Professor and Head, Dept. of Civil Engg.
4		Dr. G Purushotham, Professor and Head, Dept. of Aeronautical Engg.
5		Dr. Asha Crasta, Associate Professor, Dept. of Mathematics
6		Mr. Jayadeva Prasad M, Professor and Head, Dept. of Master of Business Administration
7		Dr. Raghavendra Sagar, Sr. Assistant Professor, Dept. of Physics
8		Prof. Manjunath H, Associate Professor & Head, Dept. of ISE
9		Prof. Krishna Shastri, Associate Professor, Dept. of ECE
10		Dr. Neelkantha V. Londe, Dept. of Mechanical Engg
11	Convener	Dr. Ganesh Aithal, Dean Research



Mangalore Institute of Technology and Engineering

(An ISO 9001:2015 Certified Institution)

(A Unit of Rajalaxmi Education Trust)

Badaga Mijar, Moodabidri-574225

2. Overview

Mangalore Institute of Technology & Engineering (MITE) has organized many research oriented programs during the year 2016 and supported many initiatives for enhancing research activities. VTU recognized research centers of MITE registered 5 research scholars for PhD Program during the year 2016.

The faculty members of MITE published 29 research articles in Scopus and other indexed National/International journals. Faculties also actively participated in various National/International conferences and published 14 conference proceedings.

An invited talk on “Current State of Research & Developments across the Nation and Future Prospects of Research” was conducted on 1st February 2016. The Department of Civil Engineering organized a two days National Conference on “Advanced Trends in Civil Engineering and Sustainable Development (ATCESD-2016)” during 26th and 27th of February 2016, in association with the Mangalore Chapter of Local CAFET-INNOVA Technical Society. A workshop on “Research Methodologies and Latex” was jointly organized by MITE, Moodbidri in association with and VTU e - Learning Centre Mysuru from 19th to 21st July 2016.

Dr. T K Chandrashekar, Professor, Dept. of Mechanical Engineering attended the “International Conference on IT, Mechanical and Communication Engineering” (ICIMCE 2016) scheduled during 2nd and 3rd January 2016 at Pattaya, Thailand. The Principal, Dr. G. L. Easwara Prasad visited Orland, USA for participating in SEM XIII, an annual conference organized by Society of Experimental Mechanics during 6th to 9th June 2016.

3. Research Progress Review

Table 1: The details of research centers, researchers and the progress made during the year 2016.

Sr. No	Details of Research activities	
1	No. of VTU, Belagavi recognized research centers in MITE	07
2	No. of Research Guides recognized by VTU, Belagavi in MITE	10
3	No. of PhD Scholars registered in MITE research centers	21
4	No. of Faculty pursuing PhD from other research centers/university	07
5	No. of Ongoing Funded Projects in MITE	02

Table 2: Current status of PhD scholars registered under MITE research center.

Research Center	Coursework in progress	Course work completed	Comprehensive viva completed
Civil Engineering	1	-	-
Computer Science and Engineering	3	-	-
Mechanical Engineering	9	2	-
Chemistry	1	1	-
Physics	1	2	1

Table 3: Details of the Research Scholars Registered for Ph.D. Degree during the year 2016.

Sl. No	Name	Name of Research center	USN No	Guide Name
1	Mohankumar	ME	4MT16PMJ05	Dr. Neelkantha V L
2	Nayana Acharya	Physics	4MT16PGJ01	Dr. Raghavendra Sagar
3	Somashekhar T M	ME	4MT16PMJ01	Dr. C R Rajashekar
4	Sunil Kumar	ME	4MT16PMJ04	Dr. Neelkantha V L
5	Srinivas K R	ME	4MT16PMJ02	Dr. Lokesh M

4. Publication Details

Table 4. The details of department-wise publications of the Year-2016.

Sl. No	Department	No of publications	Scopus indexed	Other
1	Aeronautical Engg.	5	-	5
2	Civil Engg.	1	-	1
3	Computer Sci. and Engg.	11	-	11
4	Electronics and Comm. Engg	7	1	6
5	Mathematics	4	-	4
6	Physics	1	1	-
	Total	29	2	27

Table 5. Department-wise conference proceedings of the Year-2016.

Sl. No	Department	No of publications
1	Aeronautical Engg.	1
2	Civil Engg.	9
3	Electronics and Comm. Engg	2
4	Information Science	2
	Total	14

5. Research Promotion Activities

- Title** : Current State of Research & Developments across the Nation and Future Prospects of Research

Date : 1st February 2016

Speaker : Padmashree Dr. Narinder Kumar Gupta - Professor of Mechanics at Indian Institute of Technology, Delhi

2. Title	:	National Conference on “Advanced Trends in Civil Engineering and Sustainable Development (ATCESD-2016)
Date	:	26th and 27th February 2016
Keynote Speaker	:	Dr T N Singh, Professor, IIT – Bombay
No of Papers Presented	:	40
ISBN No of Proceedings	:	978-93-5258-252-5



Mangalore Institute of Technology and Engineering

(An ISO 9001:2015 Certified Institution)

(A Unit of Rajalaxmi Education Trust)

Badaga Mijar, Moodabidri-574225

3. **Title** : Workshop on Research Methodology and Latex
- Date** : 19th and 21st July 2016
- Speaker** : Dr. S.N Sridhar, Principal and Director KSEEM, Bengaluru
- No of Participants** : 115





(A Unit of Rajalaxmi Education Trust)

Badaga Mijar, Moodabidri-574225

6. Proposals Submitted

Sr. No	Title of the project	Primary investigator	Amount in Lacks	Proposal uploaded to
1	Direct study of modified Thin Films for Multi layer Ceramic capacitor	Dr. Raghavendra Sagar	19.7	Science and Engineering Research Board
2	Assessment of health Profile of Traffic Police in Metro cities Using Smart Vests	Mr. Padmaprasad Dr. Rashmi Kundapur	14.16	Bureau of police Research & Development
3	Study on Spray of Fuel and characteristics of Nano particle added bio diesel	Dr. Rajashekara	15.12	Science and Engineering Research Board
4	Study on Impact of evaporation of diesel and bio diesel blends and Combustion in combustion chamber of compression ignition engine for improved combustion and lower emission	Dr. T K Chandrashekar	7.21	DST
5	Development of Novel Flax Bio Matrix Composites for structural and non – structural Application	Dr. Purushotham	15	DST
5	Three tier Sensor Grid Architecture for e-Health care application in cloud environment	Dr Ganesh Aithal Mr. Ramalingam	10.67	DST
6	Development of a Novel system for auto Diagnosis of Fault in Machines	Dr. Lokesh	12.06	DST mechanical and manufacturing

7. Ongoing Funded Projects Details

Table 6: Ongoing funded projects during the year 2017.

Sl. No	Title of project	Principle Investigator	Grant Agency	Current status	Grants mobilized (in Lakh)
1	A study on enhancement of efficiency of solar cell by various modification techniques and Synthesis/Characterization of NLO materials	Dr. Raghavendra Sagar	Vision group of Science and Technology (VGST), Govt. of Karnataka	Ongoing	60.00
2	Technology-based agriculture sensors	Dr. Venkataramana Bhat P	Vision group of Science and Technology (VGST), Govt. of Karnataka	Ongoing	40.00

8. Institution Grants for Research

Table 7: Details of funds disbursed for abroad visits and conference attending fees.

Sr. No	Department	Abroad visit and Conference fess (Rs)
1	Mechanical Engineering	50,000
2	Civil Engineering	1,39,110

*****&&&*****