

RESEARCH COUNCIL

ANNUAL REPORT - 2017

Sr. No	Contents
1	Research Council for the Year 2017
2	Overview
3	Research Progress Review
4	Publication
5	Research Promotion Activities
6	Accepted and Ongoing Funded Projects Details
7	Institution Grants for Research

1. Research Council for the Year 2017

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 given great emphasis for research activities during the year 2017 and supported many initiatives for enhancing research activities. A total of 13 scholars registered for PhD Program in MITE Research Centers recognized by VTU Belagavi.

The faculty of MITE published 29 research articles in reputed National/International journals a part of validating their research findings. Faculty also participated in various National and International conferences and published 11 full length papers in Scopus indexed conference proceedings.

A seminar on “Orientation of Project Proposal according to the funding agencies” was organized on 11th March 2017 by Research Council. The “Lean Six Sigma Yellow belt certification Program” was organized by MITE from 7th to 9th October 2017. The Department of Mechanical Engineering organized an invited talk on “Shape Memory Alloys” on 14th October 2017.

One research proposal was approved for research grant from VGST, Govt. of Karnataka for MITE during the year 2017. The proposal was submitted from Dr. Jayprakash M C from the Department of Civil Engineering.

Dr. Raghavendra Sagar, from the Dept. of Physics visited the Binghamton University; a State University of New York, USA during 5th to 23rd June 2017 for working on collaborative research on CZTS based Solar cells.

3. Research Progress Review

Table 1: The details of research centers, researchers and the progress made during the year 2017.

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	11
4	No. of PhD Scholars registered in MITE research centers	30
5	No. of Thesis submitted	01
6	No. of Faculty pursuing PhD from other research centers/university	07
7	No. of Ongoing Funded Projects in MITE	02
8	No. of Projects Accepted of Funding	01

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

Research Center	Coursework in progress	Course work completed	Thesis Submitted
Civil Engineering	1	-	-
Computer Science and Engineering	4	3	-
Mechanical Engineering	10	2	-
Electronics and Communication Engineering	2	-	-
Mathematics	2	-	-
Chemistry	-	2	-
Physics	1	2	1

Table 3: Details of the Research Scholars Registered for Ph.D. Degree during the year 2017.

Sr. No	Name	Name of Research center	USN No	Guide Name
1	Aysha Shabana	Mathematics	4MT17PGA01	Dr. Asha Crasta
2	Renita Sharon Monis	Mathematics	4MT17PGA02	Dr. Asha Crasta
3	Kirankumar MV	ME	4MT17PMA01	Dr. Lokesh M
4	Sushma s	ME	4MT17PMA02	Dr. T K Chandrashekar
5	Mr. Sunil Kumar	CSE	4MT17PEA02	Dr. Venkatramana Bhat
6	Mr. Manjinatha A S	CSE	4MT17PEA03	Dr. Venkatramana Bhat
7	Mr. Krishna Murthy	CSE	4MT17PEA01	Dr. Venkatramana Bhat
8	Vishwas	ME	4MT18PME01	Dr. G. Purushotham
9	Jennifer C Saldanha	EC	4MT17PES02	Dr. Malini Suverna
10	Glenson Toney	EC	4MT17PES01	Dr. Malini Suverna
11	Megha B E	CV	4MT17PCA01	Dr. G. L. Easwara Prasad
12	Sujeshkumar	ME	4MT17PMJ03	Dr. Lokesh M
13	Chitrakshi Pratap	Physics	4MT17PGA03	Dr. Raghavendra Sagar

4. Publication Details

Table 4. The details of department-wise publications of the Year-2017.

Sl. No	Department	No of publications	Scopus indexed	Other
1	Aeronautical Engg.	4	-	4
2	Civil Engg.	4	-	4
3	Computer Sci. and Engg.	3	2	1
4	Electronics and Comm. Engg	8	-	8
5	Mechanical Engg.	3	1	2
6	Mathematics	4	-	4
7	Chemistry	2	-	2
8	MBA	1	-	1
	Total	29	3	26

Table 5. Department-wise conference proceedings of the Year-2017.

Sl. No	Department	No of publications
1	Civil Engg.	3
2	Computer Sci. and Engg.	3
3	Electronics and Communication	01
4	Information Science	02
5	Mechanical Engineering	02
	Total	11

5. Research Promotion Activities

1. **Title** : Orientation of Project Proposal according to the Funding agencies
Date : 11th March 2017
Speaker : Dr Krupashankar, Professor and Dean, P G Studies R V C E Bangalore
2. **Title** : Lean Six Sigma Yellow Belt Certification Program
Date : From 7th to 9th October 2017
Resource Person : Dr. Mohammed T Khasawneh, Professor & Chair, Systems Science and Industrial Engineering, Thomas J. Watson School of Engineering and Applied Science, Binghamton University, New York, USA



3. **Title** : **Shape Memory Alloys**
- Date** : **11th October 2017**
- Speaker** : **Prof. Narendranath, NITK, Suratkal**



6. Accepted and Ongoing Funded Projects Details

Table 6: Accepted and ongoing funded projects during the year 2018.

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
3	Sustainable Grey water Management System using Phytoremediation Technique	Dr. Jayaprakash M C	Vision group of Science and Technology (VGST), Govt. of Karnataka	Accepted for Grants	05.00

7. 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	Civil Engineering	1,79,451
2	Computer Science and Engineering	50,000
3	Electronics & Communication	23,139
4	Physics	1,44,704

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