



# **Mangalore Institute of Technology and Engineering**

*(An ISO 9001:2015 Certified Institution)*

*(A Unit of Rajalaxmi Education Trust)*

Badaga Mijar, Moodabidri-574225

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## **Academic Committee Report 2018-19**





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## ACADEMIC COMMITTEE

### ANNUAL REPORT – 2018-19

#### Academic Committee for the Year - 2018-19

<b>Chairperson</b>	Dr. G L Easwara Prasad	Principal
<b>Members</b>	Dr. C R Rajashekhar	Head, Dept. of Mechanical Engg
	Dr. G Purushotham	Head, Dept. of Aeronautical Engg
	Dr. Ganesha Mogaveera	Head, Dept. of Civil Engg
	Dr. Venkataramana Bhat P	Head, Dept. of Computer Science & Engg
	Mr. Sathisha	Head, Dept. of Electronics & Communication Engg
	Mr. Manjunath H	Head, Dept. of Information Science & Engg
	Mr. Sathyanarayana	Head, Dept. of Mechatronics
	Dr. Nandini Nayak	Head, Dept. of Chemistry
	Dr. Asha Crasta	Head, Dept. of Mathematics
	Mrs. Nayana Acharya	Head, Dept. of Physics
	Mr. Jayadeva Prasad M	Head, Dept. of Master of Business Administration

## ACADEMIC COMMITTEE

### Report for the academic year 2018-19

Number of meetings conducted : 04

Sl.No.	Date of meeting
01	27/07/2018
02	24/10/2018
03	02/02/2019
04	24/04/2019

#### Academic Performance:

Our students have secured **7 ranks at university level** during the academic year 2018-19 announced by the University in the month of February 2020. **Ms. Sanmathi Patil** from **Mechanical Engineering** secured **First rank** and also secured **highest marks among all rank holders in any branch of Engineering and bagged 11 Gold medals.**

#### List of Rank holders: 2018-19

Sl.No.	Name of Rank holder	Department	Rank
01	Sanmathi S.Patil	Mechanical Engineering	1 <sup>st</sup> Rank
02	Vishnu Chandroth	Aeronautical Engineering	2 <sup>nd</sup> Rank
03	Mamatha C.	Mechatronics Engineering	2 <sup>nd</sup> Rank
04	Sharanya Aravind	Mechatronics Engineering	3 <sup>rd</sup> Rank
05	Sagar Padival K	Civil Engineering	4 <sup>th</sup> Rank
06	Stalin Bangera	Mechatronics Engineering	8 <sup>th</sup> Rank
07	Shwetha S.	Aeronautical Engineering	10 <sup>th</sup> Rank



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Our graduating batch of students of 2018-19 have secured very good results in the University examinations. The following are the results of students from different departments.

S.No	Department	Total Number of Students	Number of Students Appeared	FCD	FC	SC	Overall Result
1	Aeronautical Engineering	55	55	43	10	-	96%
2	Civil Engineering	112	112	102	7	-	97.32%
3	Computer Science & Engineering	96	96	68	28	-	100%
4	Electronics and Communication Engineering	95	95	93	2	-	100%
5	Information Science & Engineering	50	50	50		-	100%
6	Mechatronics Engineering	54	54	49	5	-	100%
7	Mechanical Engineering	164	164	147	9	-	95%
8	Master of Business Administration	78	78	23	51	4	100%

## Awards and Recognitions:

**Karnataka State Council for Science and Technology (KSCST)** located in IISc Bangalore extends the financial support to the Innovative projects of final year Engineering students of Karnataka. Our students Projects are being financially supported by KSCST for their innovative projects **continuously every year from 2012-13**. During the current academic year 2018-19.



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total of **28 final year Projects have been financially supported by KSCST** by considering innovative concepts of these projects.

**Best Project of the year award:** The following two projects were awarded as Best Project of the year from the respective programs in the state level evaluation conducted by KSCST under the seminar and exhibition category in the 42<sup>nd</sup> series of the student project program.

Final year Mechanical Engineering students have won KSCST sponsored State level “**Best Project of the year 2019**” award in the year 2018-19 for their innovative work on “**Design and Development of Agricopter Drone**”. The team comprised of Mr. Ashrith, Mr. Bhargava K., Mr. Satwik Poojary and Mr. Kadabageri Manjunath guided by Asst. Prof. **Rueben Obed D’Souza**.

The project “**Production of Ink and Paint products from internal combustion engine exhaust soot**” from students of **Mectronics Engineering Dept.** awarded as the “**Best project of the year 2018-19**”. The project team consists of **Mohd. Arzoo, Mohd. Zakariya, Rifad Pallikkandi and Ashwanth M V**. The project was guided by **Ms. Rumana Ali**, Assistant professor of the Mechatronics department.

Dhanyashree Dinesh of 3<sup>rd</sup> year Electronics and Communications Engg Dept. has been awarded with “**Best Student Award**” by **ISTE Karnataka Section** on 6<sup>th</sup> of October 2018.

Students from Mechanical and Mechatronics Engineering departments lead by Mr Roshan participated in **Hybrid Formula Racing Car championship 2019**, held at Greater Noida, Delhi and **won the overall champions award with a cash prize of 1.45 lakhs**

Project titled “**Hydrogen Energy: A Future**” by final year students of ECE dept, Sachin S, Sonali, Rashni and Prajwal **under the guidance of Padma Prasada**, Sr. Asst. Prof. ECE, **has won 5th Prize in State Level Innovation Challenge ANVESHANA 2019**, organized by Agastya Foundation, Bangalore.



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Project titled “**Smart Telematics System**” by Sana Parveen Salar and Sharadhi A Patil under the guidance of Mr H M Ramalingam, got **Third Place and won cash prize of 1 lakh** rupees in Unysis Cloud 20/20 year 2018-19.

Students from Aeronautical Engineering dept participated in **National Students Space Challenge in IIT-Kharagpur and won both the first and 2<sup>nd</sup> prize** in the competition.

**Second edition of TEDxMITE conducted on February 23, 2019**

The internationally acclaimed TEDX is devoted to ideas that are worth spreading. Continuing the legacy, MITE hosted the edition two of the prestigious TEDx event on February 23, 2019.

**TEDxMITE, powered by its tagline ‘Exploring Infinities’** focused on ideas that would change the world and provide a platform for ideators to speak about their ideas and help the people in the community explore the infinities hidden. TEDxMITE was a full day event with two themes, each held at two sessions on the same day. The themes were ‘The New Dawn’ and ‘Ignited’.

Students from Aeronautical Engg Dept participated in competitions conducted by **International Institute of Aerospace Engineering and Management Bangalore** on 5<sup>th</sup> Sept. 2018 on Pitch and Roll Innovation and Water Rocket competition, and won **1<sup>st</sup>place** in RC INNOVATION and **2<sup>nd</sup> and 3<sup>rd</sup>place** in WATER ROCKET.

**Three Projects guided by faculty of Electronics and Communication Engineering dept.** Mr. H M Ramalingam, Mr. Pamaprasada and Mr. Ajay Pinto **were in the top 100 of KPIT SPARKLE 2019. One project has reached upto finals and the students got placements in this competition.**

Mr. Achal R Poonja and Mr. Ashish S K from ISE dept have presented a paper on “**Review of Block chain technology and its applications**” at **15<sup>th</sup> ISTE Karnataka state students convention** on 6<sup>th</sup> October 2018 and secured the “**Best Paper Award**”, under the guidance of Mr.Sagar Ramesh Pujar Asst. Prof. Dept of ISE.



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Our institution has established NPTEL Local Chapter which is recognized as an **Active Local Chapter** by NPTEL IIT Madras since December 2017. Every semester more than 300 students and faculty take courses in NPTEL. December 2018 **MITE registered 6 Gold Certifications in the National Online Certification examinations.**

The students of the Mechatronics Engineering Department, participated in **Robosoccer** event and **won 2<sup>nd</sup> place at NITK and 2<sup>nd</sup> place in NMIT, Bangalore**

Mr. Adarsh Krishna Revenkarand Mr Arpith S of 6<sup>th</sup> semester CSE dept. won **special jury award for codeathon organized by ITC infotech, Bangalore.**

## **Accreditations:**

**NAAC Accreditation:** Our institution is **accredited by NAAC** for a period of five years from 2018-19 till 2022-23 by awarding a **grade of B+**

**Civil Engineering Program Accredited** for three years letter from NBA **F No 25-191--2016-NBA dated 26-04-2019**, for the period of three years from **2019-2022 upto30-6-2022**

**Aeronautical Engineering Program Accredited** for three years letter from NBA **F No 25-191--2016-NBA dated 26-04-2019**, for the period of three years from **2019-2022 upto30-6-2022**

## **Conferences, Workshops and FDPs:**

**IEEE International conference** on Distributed Computing, VLSI, Electrical Circuits and Robotics **DISCOVER2018** has been organized by CSE,ECE and ISE dept.'s, in association with IEEE Bangalore Chapter and Binghamton University, USA during 13<sup>th</sup> and 14<sup>th</sup> of August 2018.



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**The workshop on ‘Introduction to Data Mining and Analytics’ was conducted by Dr. Sang Won Yoon, Professor of Systems Science and Industrial Engineering Dept, of Thomas J Watson School of Engineering and Applied Science from Binghamton University from 4<sup>th</sup> to 6<sup>th</sup> Oct 2018. A total of 105 Students from the Dept of Computer Science, Information Science, and Electronics & Communication Engineering departments attended the Program.**

Faculty Development Program on **“Pedagogy for Outcome Based Education”** has been organised by Dept of ME on 20<sup>th</sup> and 21<sup>st</sup> July 2018 to the faculty of our institution.

**Entrepreneurship Development Cell** of our institution conducted two **Entrepreneurship Awareness programs(EAP)** the one from 27<sup>th</sup> to 29<sup>th</sup> September 2018 and the next one from 21<sup>st</sup> to 23<sup>rd</sup> February 2019 during the academic year 2018-19 **sponsored by The National Science & Technology Entrepreneurship Development Board, DST, Govt. of India and Entrepreneurship Development Institute of India (EDI), Ahmedabad.** 50 students in the first program and 75 students in the second program have participated and benefited out of this EAP.

A two days Special Lecture Series on **“Data Analytics in Science, Engineering & Management”** sponsored by Karnataka Science and Technology Academy(KSTA), Government of Karnataka was organized by ECE dept on 28<sup>th</sup> and 29<sup>th</sup> of September 2018.

MBA department also conducted a two-day mega event on **WOMEN ENTREPRENEURSHIP on 2<sup>nd</sup> and 3<sup>rd</sup> November 2019** where 15 successful women entrepreneurs came under one roof to discuss issues and policies related to Women entrepreneurship. The event was a major success.

**Workshop conducted by Mech Engg Dept on 8<sup>th</sup> and 9<sup>th</sup> August 2018** with the technical sessions delivered by Industry experts from **Fluxgen Technologies covering fundamental of IOT paradigms, design, construction and programming, both with respect to IOT software**





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**and hardware.** Also hands on experience on IOT and an opportunity to develop live projects covered in the workshop.

Department of Information Science and Engg conducted a two-day workshop on '**Trends in Internet of Things (IoT) and its application in industry automation**' in association with DLithe on 8-9<sup>th</sup> Feb, 2019.

**Department of Civil Engineering conducted**

- (a) Two days workshop on "**3D MINIATURE MODELLING**" by Er. Manjunath Reddy, and team of **SAI CAD** center, Bangalore on 10<sup>th</sup> and 11<sup>th</sup> Aug 2018
- (b) "**Auto CAD Training**" by Er. Manjunath Reddy and team of **SAI CAD** center, Bangalore from 10<sup>th</sup> July to 15<sup>th</sup> July 2018.

**Department of Aeronautical Engineering conducted the following two programs**

**(a)3-D Printing workshop:** A six-day workshop on the **3-D Printing hands on experience** was organized under the Department of **Aeronautical Engineering**, with the industry support of **Acellary Aerospace Pvt Ltd Bangalore** from 19-9-2018 to 25-9-2018. Mr. Venkatram, Co-founder & Mr. Uday of Acellary Aerospace gave an introduction and its importance about the 3-D printing technology for the Aeronautical Engineering program. He has enlighten about the 3-D printing technology in the manufacturing industry and its significant role in various sectors such as aerospace, medical and architecture. The six-day workshop was organized for the students of 3<sup>rd</sup>, 5<sup>th</sup> and 7<sup>th</sup> semester, for hands-on workshops in 3-D printing pattern during the workshop. Totally 180 students are benefited by this programme.

**(b)VAYUYAVA:** Workshop conducted by the Department of Aeronautical Engineering on **RC aeromodelling** on 26<sup>th</sup> and 27<sup>th</sup> Sept. 2018. The workshop was conducted by a team from the **Department of Aeronautical Engineering and the Team of AIREINO**. This program was



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conducted for interdisciplinary programs, and the students of various programs participated and utilized by this program. A Total of 25 teams participated, finally ending with RC flying competition.

**Finishing School Programme** on Building Construction Practices has been conducted from **29<sup>th</sup> April to 4<sup>th</sup> May 2019** by the dept. of Civil Engg. to the Final Year students' to make them industry ready professionals. This pre employment training programme enhances skills among the Civil Engineering graduates and makes them employable with preference.