

### List of Events for the year 2017-18

Sl no	Date	Event	Topic	Resource person
1	10 <sup>th</sup> November 2017.	Technical Talk	Advances in Metrology	Mr. Prabhakar kikkeri, National Manager – Automation & Retrofits Industrial Metrology Division Carl Zeiss India (Bangalore) Pvt. Ltd., Bangalore.
2	01-03-2018	Technical Talk	Innovative Research Methods	Prof. Paul Chiarot, Professor Binghamton University, New York
3	14 <sup>th</sup> October 2017.	Technical Talk	Shape Memory Alloys	Dr. Narendranath, Professor, NITK
4	11 <sup>th</sup> October 2017.	Technical Talk	Technical Talk on Gyroscopic Effects	Dr. Murigendrappa, Professor NITK Suratkal
5	03 <sup>rd</sup> October 2017	Technical Talk	Advances in Automotive Technology	Prof Anindya Deb, Professor IISc Bangalore
6	30 <sup>th</sup> August 2017- 1 <sup>st</sup> September 2017	Technical Talk	Entrepreneurship Awareness Program	Mr. Thungaraju G D
7	April 16th to 21st, 2018	Workshops	LEAN SIX SIGMA GREEN BELT TRAINING	Dr. Mohammad T. Khasawneh Professor & Chair, Systems Science and Industrial Engineering, Thomas J.Watson School of Engineering and Applied Science State University of New York at Binghamton, New York 13902, USA
8	23 <sup>th</sup> March 2018 – 24 <sup>th</sup> march 2018.	Workshops	Aerotix-Automobile prototyping	Mr. Raunak, Aerotix, Bangalore
9	7 <sup>th</sup> , 8 <sup>th</sup> , 9 <sup>th</sup> October 2017	Workshops	Lean Six Sigma Yellow belt certification Program	Dr. Mohammad T. Khasawneh Professor & Chair, Systems Science and Industrial Engineering, Thomas J.Watson School of Engineering and Applied Science State

				University of New York at Binghamton, New York 13902, USA
10	2 <sup>nd</sup> – 3 <sup>rd</sup> march 2018.	Conference	<b>International Conference on Advances Manufacturing, Materials and Energy Engineering (Icon MMEE 2018)</b>	
11	27-28/7/2018	FDP	Advances in Industrial Metrology and GD&T	Mr. Manjunatha Prasad, Manager, Application industrial Metrology Division Mr. Avilkumar, Manager, Application Carl Zeiss India (Bangalore) Pvt Ltd
12	20 <sup>th</sup> & 21 <sup>st</sup> JULY, 2018	FDP	<b>Pedagogy for outcome based education</b>	Prof. Preamshekhar <b>Prof. Preamshekhar, Chief Executive Officer, Shangri-In Academy of Life and Literature, Manipal.</b> <b>Dr. Prasad Krishna, NITK</b> <b>Dr. U C Niranjan, Manipal Dot Net, Pvt, Ltd.</b> <b>Dr. Suphala S Kotian, Nirel Charitable Trust, Mangalore</b>

## **Technical Talk**

**Title: Advances in Metrology**

**Resource Person:** Mr. Prabhakar kikkeri,

National Manager – Automation & Retrofits Industrial Metrology Division  
Carl Zeiss India (Bangalore) Pvt. Ltd., Bangalore.

**Date:** 10<sup>th</sup> November 2017.

**Target Audience:** 3<sup>rd</sup> year students

Mr. Prabhakar Kikkeri shared knowledge on the topic “advances in metrology” which included different aspects of metrology such as Geometric Dimensioning and Tolerancing (GD&T) which is a system for defining and communicating engineering tolerances.

**Title: Innovative Research Methods**

**Resource Person:** Prof. Paul Chiarot,

Professor Binghamton University, New York

Date: 01-03-2018

**Target Audience:** MITE Faculties.

Prof. Paul Chiarot, delivered a talk on Innovative Research Method. He elaborated importance Research in multidisciplinary field. he stressed the faculty to carry out innovative projects in various field to serve for the society. he pointed the how to find the research problem and how to adopt research methodology to arrive the solution for defined problem. he also invited MITE faculties to use the research facilities in Binghamton University.

## **Title: Shape Memory Alloys**

**Resource Person:** Dr. Narendranath,

Professor, NITK

**Date:** 14<sup>th</sup> October 2017.

**Target Audience:** 4<sup>th</sup> year students

Professor Narendranath briefed on the basics of shape memory alloys and their characteristics. The session continued with sharing the knowledge on various graphs related to the characteristics of these alloys. Later the session ended with a discussion on the various applications of shape memory alloys in different fields



## **Title: Technical Talk on Gyroscopic Effects**

**Resource Person:** Dr. Murigendrappa,

Professor NITK Suratkal

**Date:** 11<sup>th</sup> October 2017.

**Target Audience:** 3<sup>rd</sup> year students

Speaker shed light on the basics of the gyroscope to the students and shared knowledge about the studies that were done by Newton on the motion of the earth. The session continued with a discussion on studies made by Euler on the same. Professor explained the concept of gyroscope through practical examples which helped the students to understand the concept in a better manner.



## **Title: Advances in Automotive Technology**

**Resource Person:** Prof Anindya Deb,

Professor IISc Bangalore

**Date:** 03<sup>rd</sup> October 2017

**Target Audience:** 3<sup>rd</sup> year students

Prof Anindya Deb explained the various aspects of designing an automobile. The session was very useful for the students as they got to know the various aspects that needed to be taken care of when designing an automobile



## **Title: Entrepreneurship Awareness Program**

**Resource Person:** Mr Yadu Krishna

**Date:** 30<sup>th</sup> August 2017- 1<sup>st</sup> September 2017

**Target Audience:** 4<sup>th</sup> year student

Mr Yadu Krishna highlighted about a fresh graduate's salary expectations. Their knowledge and industry expectations concerning hard work, dedication, add on skills/flexibility. He specified the advantages of joining a small-scale industry by way of which one stands to gain competency in marketing, purchase, design and drawing, manufacturability, customer satisfaction, time management, finance, workers allocation, and management, etc. These will be more useful in all-round development of a professional in an industrial set-up





## **Workshops**

**Title: LEAN SIX SIGMA GREEN BELT TRAINING**

**Resource Person:** Dr. Mohammad T. Khasawneh

Professor & Chair, Systems Science and Industrial Engineering, Thomas J.Watson School of Engineering and Applied Science State University of New York at Binghamton, New York 13902, USA

**Date:** April 16th to 21st, 2018

**Target Audience:** 4<sup>th</sup>-year student

The training program handout and data spreadsheet was shared with all the participating students on 10th April 2018. In addition to the above training sessions, Professor offered students to access a pre-recorded Statistics course. This course of 6.5 hours duration would serve as an excellent pre-requisite for students enrolled in the training program. The Link, username and password for this course was mailed to all students well before the commencement of the program.



## **Title: Aerotix-Automobile prototyping**

**Resource Person:** Mr. Raunak,

Aerotix, Bangalore

**Date:** 23<sup>th</sup> March 2018 – 24<sup>th</sup> March 2018.

**Target Audience:** 3<sup>rd</sup>-year students

A campus profile of Skyfi labs was introduced to the students. Later on, an introduction to 3D printing was told to the students using PPT as a classroom session. In the afternoon session of day one, an introduction to electronics was given. After this task was whereas students given were asked to control the speed of the step-up motor using an Arduino board with this day 1 had come to an end.

Day 2 began with introduction to free CAD software's and to SLICER software. The task was to create models of any shape using the free CAD software. G-codes and M-codes were briefed and there after each student could print their own model that they designed. With this the workshop came to an end. An online feedback report was given by students. The completion of this workshop showed the interest of students towards this new domain that they haven't studied about.



**Title: Lean Six Sigma Yellow belt certification Program**

**Resource Person:** Dr. Mohammad T. Khasawneh

Professor & Chair, Systems Science and Industrial Engineering, Thomas J. Watson School of Engineering and Applied Science State University of New York at Binghamton, New York 13902, USA

**Date:** 7<sup>th</sup>, 8<sup>th</sup>, 9<sup>th</sup> Sept. 2017

**Target Audience:** 4<sup>th</sup>-year student

Dr. Mohammad T. Khasawneh, conducted training sessions on various aspects of lean six sigma. Around 50 students from the Mechanical Engineering discipline participated in the program and benefited by acquiring knowledge on applications of Lean Six Sigma.

## Conference

### **International Conference on Advances Manufacturing, Materials and Energy Engineering (Icon MMEE 2018)**

**Date:** 2<sup>nd</sup> March 2018 – 3<sup>rd</sup> march 2018.

**Target Audience:** Mechanical engineering students and Research Scholars

The event brought together experts from Manufacturing, Materials, and Energy Engineering domains to take stock of current knowledge, share information and best practices, and build consensus on the actions most needed to move forward. Technical experts, academicians, scientists, researchers from various academic institutions, and industry experts had participated in the event.



## **Faculty Development Program**

**Title: Advances in Industrial Metrology and GD&T**

**Resource prerson:** Mr. Manjunatha Prasad, Manager,

Applicationindustrial Metrology Division

Mr. Avilkumar, Manager,

Application Carl Zeiss India (Bangalore) Pvt Ltd.

**Date:** 27-28/7/2018

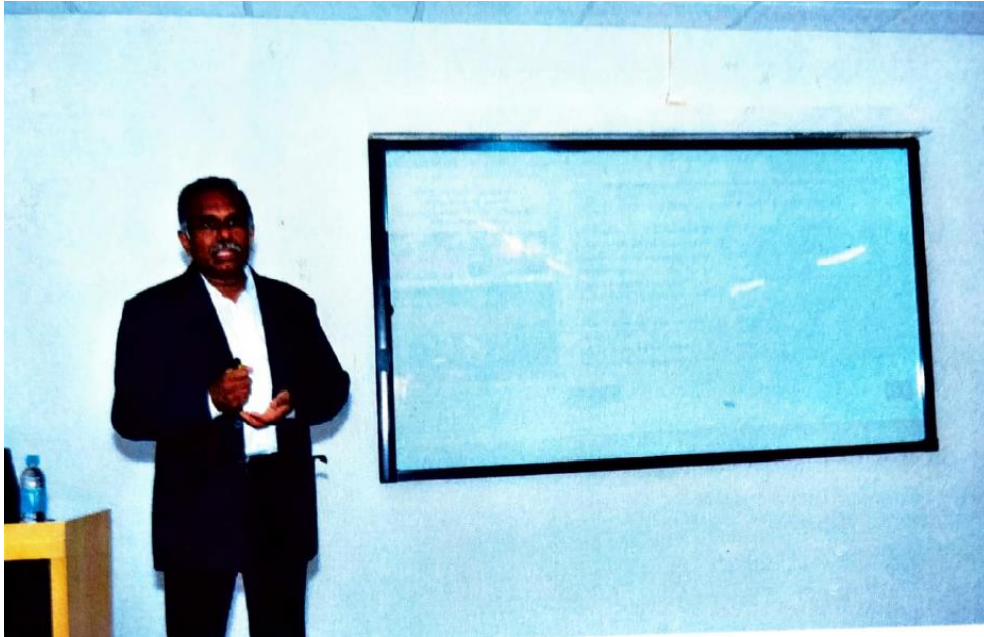
**Target Audience:** - Faculties of Mechanical Department

The session included introduction to Zeiss, types of measurement, GD&T overview, Introduction to Industry 4.0, Advances in Metrology and presentation on few Case studies.

Audience are gained knowledge on advances in metrology, how industry is moving ahead from conventional metrology to coordinate metrology, introduction to Industry 4.0, changes in the technology etc. They also gave an insight into their quality data management software 'nweb.



Mr. Avilkumar explaining about measurements with example



Session by Mr. Manjunatha Prasad on Inspection requirements in Engineering Industries



## **Title: Pedagogy for outcome based education**

**Date:** 20<sup>th</sup> & 21<sup>st</sup> JULY, 2018

**Target Audience:** - Faculties

Session: 1

**Topic:** Excellence in Teaching

**Speaker:** Prof. Premshekhar

The speaker started off explaining that amazing teachers are the most critical component in helping students be successful. A teacher must design initiatives to inspire a student and elevate the value in which our community holds them. To excel“ means to surpass, to be pre-eminent, hence, excellence“ in teaching and learning implies being pre-eminent and connotes a sense of certain distinguishing features such that those exhibiting excellence stand out from the rest.

### **Session 2**

**Topic:** Qualities of a Teacher

**Speaker:** Prof. Premshekhar, Chief Executive Officer, Shangri-In Academy of Life and Literature, Manipal.

According to the speaker, students are most affected by the quality of their teachers. Not only do they interact with teachers every day in the classroom, but the quality of that interaction matters for our students' future. In fact, the speaker noted that the difference between a good and a bad teacher can be a full level of student achievement in a single school year. The speaker went on to describe some good qualities of a teacher.



*Prof. Premkumar speaking about Excellence in Teaching*

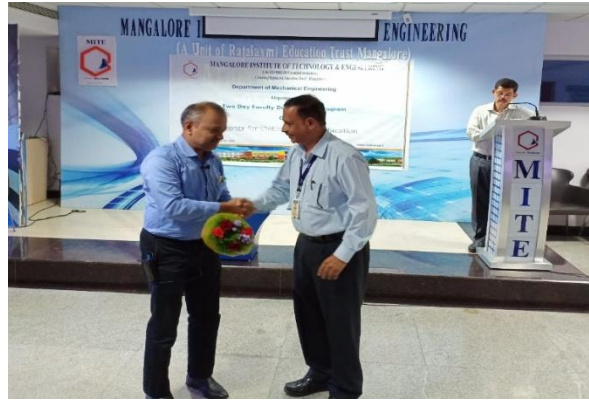
### **Session: 3 & 4**

**Topic: Course outcome framing and Mapping with Programme Outcomes**

**Speaker: Dr. Prasad Krishna, NITK**

The speaker enlightened globalisation, changing demographics and technological advancements are some of the key driving forces of the future. In Twenty-first Century Learning, students use educational technologies to apply knowledge to new situations, analyse information, collaborate, solve problems, and make decisions.





**Session: 5 & 6**

**Topic: Engineer and the Society**

**Speaker: Dr. U C Niranjana, Manipal Dot Net, Pvt, Ltd.**

The speaker explained how structure and operation of the complex societies in developed world are completely dependent on countless applications of technology. Speaker also gave an insight of how future is highly dependent on human development and application of technology and how a large extent current society is as a result of the technology that was decided to apply in the past.



*Dr. U C Niranjana delivering a talk on “Engineer and the Society”.*

## **Session: 7**

### **Topic: Student Guidance and Counselling**

**Speaker: Dr. Suphala S Kotian, Nirel Charitable Trust, Mangalore**

The speaker emphasised on the importance of Guidance and counselling for children, and how it acts a major role in bringing out the best in children. And, through counselling how children should be given advice to manage and deal with emotional conflict and personal problems.



*Dr. Suphala S Kotian delivering a talk on “Student Guidance and Counselling”.*