



# BMS

## INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Avalahalli, Doddaballapur Main Road, Bengaluru – 560064

DEPARTMENT OF MECHANICAL ENGINEERING

FACULTY DEVELOPMENT PROGRAM /WORKSHOP2018-19

Mr. Yashvantha Kumar G.A and Mr. Madhu M.C conducted an open course on Matlab for Engineers from 2 nd-7th August 2018. The course contents included Applications of Matlab, Problem solving and plotting graphs for various applications. The students were exposed to the above concepts and at the end of the course they were able to appreciate the use of Matlab in various applications.

Keerthi Kumar N, Assistant Professor, Dept of Mechanical Engg., Organized Open Course on Computational Fluid Dynamics (CFD). Mr. Rishikesh S an executive from Finite Flow Technology Solutions Pvt Ltd. Conducted the course on every Saturday from 10:50 am to 12:50 pm during ODD semester 2018.



Open Course on Computational Fluid Dynamics (CFD)

The Department of Mechanical Engineering organised Three Days Skill Development Workshop on “CNC Machine Design and Development” from 29th September 2018 to 1st October 2018. The objective of the course is to provide Hands On exposure to Arduino Uno Microcontroller architecture, Embedded coding system and writing a CNC program. Dr. K. M. Sathish Kumar and Mr. Sriganesh T. G coordinated the workshop.



Three Days Skill Development Workshop on “CNC Machine Design and Development”

Mrs S.Nithya Poornima organized a workshop on Industry 4.0 On 26<sup>th</sup> October 2018. This workshop enabled to bridge the gap in understanding the latest trends pertaining to automation. Through this workshop we were able to understand that the real machines need a medium to communicate to the virtual world Via IOT. This workshop gave a detail working process and hands on smart IOT sensor that is XDK. This sensor is sufficient to retrofit in measuring data and evaluating productivity



Mr Santhosh delivering a lecture on Industry 4.0

B.J.Tejaswini, Assistant Professor, Dept. of ME attended a ‘Two-day National Workshop on Intellectual Property Rights(IPR)’ at DBIT, Bangalore on 30<sup>th</sup> and 31<sup>st</sup> January 2019 organized by IPR cell of Don Bosco Institute of Technology in association with Karnataka State Council for Science and Technology. This FDP had sessions on various forms of IP, significance of IP, procedure for filing a patent and hands on sessions on prior art search.

O.Gurumurthy, Assistant Professor: Participated a Five Day National workshop on “Mechanical and Tribological Behavior of Advanced Composites” was held at National Institute of Technology -Warangal from 21<sup>st</sup> January 2019 to 25<sup>th</sup> January 2019. This course was useful to carry out research on composites and to understand the different aspects of mechanical and tribological applications of composites

Department of Mechanical Engineering in association with Happy landings India, Bengaluru, organized a two day Drone building event was on 27th and 28th March 2019. Around 20 students participated in the event. The first day included Theory sessions and aero-modeling and assembly .The second day was Flying the drones in the open field in the Institution. The Inauguration was presided over by Dr.K.M Satish Kumar,Head of the Department, ME, and Dean (Student welfare),DR.H.K Govindaraju and the Principal, Dr.Mohan Babu G.N was present during the flying of the drones. The students were able to learn the fundamentals of aerodynamics, simulation and flying and could put it into practice through the drone building activity.



Participants along with Faculty and staff with Principal at the drone flying area

Mr. Shripad Diwakar, Assistant professor, Department of Mechanical Engineering attended five days Entrepreneurship Development Programme (EDP) on "Solar Energy PV Roof Top System" during 24/06/2019 to 28/06/2019 at Mahatma Gandhi Institute of Rural Energy and Development(MGIRED), Bengaluru

Mrs. Tejaswini B J, Assistant Professor, Dept. Of ME attended a Hands-on Training on 'Research methods in Intellectual Property Rights: An empirical study orientation' organised by Inter University Centre for Intellectual property rights studies (IUCIPRS), CUSAT & MHRD Chair on IPR on 29th June 2019

The Department of mechanical has organized a Faculty development program on "Advances in Mechatronics systems" held at BMSIT&M from 23rd - 27th July 2019. The FDP was organised with an purpose of this multidisciplinary field that is the study of automation from an engineering perspective and to serves the purposes of controlling advanced hybrid systems. Mechatronics systems has developed into a very attractive research area. A brief survey on current developments and future trends in mechatronics, in particular from a general engineering point of view is also presented. The aim of this programme is to impart knowledge on the Advances in Sensor technologies, Actuator mechanisms and latest applications in controllers in mechatronics systems. Term Training Programme on Ultrasonic Testing



Faculty development program on "Advances in Mechatronics systems"

Mr Anand .R Instructor , Mechanical Department and Mr. Venkatesh.R Instructor , Mechanical Department has attended Short Term Training Programme on "Ultrasonic Testing" at Trinity NDT Engineers from 17th July to 21th July 2019

Mr. G. L. Anantha Krishna, Assistant professor Mechanical Department and Mr Sundaresh, Assistant professor Mechanical Department have attended a Faculty Development Program on "Smart Materials and their Emerging Technologies (SMET 2019)" held in B.M.S. Institute of Technology and Management on 26th -31th July 2019