



Mangalore Institute of Technology & Engineering

(An ISO 9001:2015 Certified Institute)

(A Unit of Rajalaxmi Education Trust)

BadagaMijar, Moodbidri-574225

DEPARTMENT OF MECHATRONICS ENGINEERING

Activity report -2019-2020

SL.NO	Event Name
1	Inaugurations of activity for 2019-2020
2	New trends in Process Automation: Industry 4.0
3	Entrepreneurship development in Engineering students
4	Startup support - An overview
5	Industrial visit to SKF
6	Alumni Illuminate
7	Talk on design Tools
8	Swachata Abhiyana Program

MECHATRONICS & AUTOMATION CLUB FOR XPLORATION- (MAC-X)

Mechatronics and Automation Club for Xploration (MACX) is a Technical and cultural Association run by and for the students of Mechatronic Engineering, MITE Moodbidri, under the guidance of a faculty coordinator. It is headed by the President, Vice President, Secretary, Treasurer, Sports Coordinator and Cultural Coordinator who are nominated and elected by the students of the department.

Since its inception in 2014, MACX has been actively organizing various activities to instill passion, vigor and enthusiasm amongst the students. It has consistently been the pioneer in subduing difficulties of the various aspects of technical fields through guest lectures, workshops, seminars, tech-talks and alumni interactions. The prime motive of the association has been to encourage students to display their hidden talents and to provide a platform to showcase their competence and nourish interpersonal skills which would help them in realizing their dreams.

The association also focuses on keeping up with the present trends by actively organizing workshops on current technologies and guiding students for higher education by various interactive sessions. Students are also mentored and encouraged to participate in social impact programmes such as blood donation camps, Swachh Bharat Campaigns, Visits to Orphanages and old age homes and providing selfless service to rural areas to aid in overall development.

MTR01: Inauguration of Department Activities

A day dedicated to the newbies of the Mechatronics Family saw **Mr. Chetan Rajdev**, Sales-Head Hydac, Southern Region inaugurate activities for the year 2019-2020 on **13/9/2019** in **Auditorium 2 Main block**. He interacted with students and spoke in length about the various career opportunities for a Mechatronics Engineering addressing the opportunities available for graduates in an era of the fourth Industrial Revolution. **11 faculty members and 145 students** were participated in the event.



MTR02: Talk on “*New trends in Process Automation: Industry 4.0*”

Mr. Chetan Rajdev, Sales-Head Hydac, Southern Region delivered a technical talk on “*New trends in Process Automation: Industry 4.0*” on **13/9/2019** in **Auditorium 2 Main block**. He spoke in length about the various career opportunities for a Mechatronics Engineering addressing the opportunities available for graduates in an era of fourth Industrial Revolution, Significance of data in Industry 4.0, Threats and opportunities in communication advancement. **11 faculty members and 145 students** were participated in the event.





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MTR03: Talk on “Entrepreneurship Development in Engineering students”

Mr. Sunilkumar B U, Founder and CEO of Defair Integrations, delivered a talk on “Entrepreneurship development in Engineering students” held on **17/9/2019** in **Auditorium 2 Main block**. He spoke about the various challenges faced by the entrepreneurship and also the opportunities that can be utilized by the students in order to be the job providers of tomorrow. He focused on how the employment generation can help in improving the job crisis and how it would lead to benefit the nations economy. **6 faculty and 105** students were participated in the event.



MTR04: Talk on “Start up support – An overview”

Mr. Lohith R, Co-Founder and COO of Defair Integrations, delivered a talk on “**Start up Support- An overview**” held on **17/9/2019** in **Auditorium 2 Main block**. He spoke about the opportunities that a budding entrepreneur can avail through angel investors, Government bodies and various private entities to fulfil the dreams of being job provider . **6 faculty and 105** students were attended the event





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MTR05: Alumni Illuminate

Mr. Subhas M S, an alumnus of the department and proprietor of Technoclog Pvt Ltd enticed the students by motivating them towards “Startups” and connect the youngsters to industries to make a better engineering India on **12/10/2019** in L301 Main block. With insights on his area of work like Industrial Automation, Embedded system, Building Management System (BMS), Design tools the students understood on the ongoing industrial demands and standards set. 2 faculties and 45 students were attended the programme.



MTR06: Industrial Visit

A one-day industrial **visit to SKF** was organized on **10 th October 2019**. The students got to visit the water purification plant. The supervisor took the students on a walk through explaining about various purification process used for domestic and industrial applications. **Two faculties accompanied 2nd year 40 students.**



MTR07: Talk on Design Tools

Mr. Vinod Kumar K, Centre Head, CADD Centre, Moodabidre delivered the talk that focused on applications of design and simulation tools such as Ansys, Catia, SolidWorks, SolidEdge, NXCAD, AutoCaD NXCAM held on **19/10/2019** in class room **L-301**. The students were informed about the future trends in the field of FEA in automotive and manufacturing sector. The students were also provided with in depth knowledge about different tools available for electrical and mechanical drawings. **1 faculty and 45** students were participated in the technical talk.



MTR08: Swachata Abhiyana Program

A **Swachata Abhiyana** Program, as a part of the All-India Council for Technical Education (AICTE) initiative, was scheduled from **03 Feb 2020 to 08 Feb 2020**. As per this initiative, the students of the 3rd semester raised awareness amongst the people of village named **Kallamundkur** about the role of cleanliness and plastic free environment. The students covered than 40 houses and shops each day in groups by creating awareness among the village and collecting plastic wastes and littered garbage in the nearby area. The plastic waste and littered garbage was disposed safely with the support from Kallamundkur Grama Panchayat.

