



**DEPARTMENT OF MECHATRONICS ENGINEERING**

**ANNUAL REPORT : 2016-17**

**During the year 2016-17 the following activities were conducted by the MAC-X students' association**

<b>Sr. No</b>	<b>Activity</b>
<b>1</b>	Automotive trends and Global Opportunities in the Future
<b>2</b>	Industrial drives and controls
<b>3</b>	Android app development

**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: Automotive trends and Global Opportunities in the Future**



A Tech technical talk on “Automotive trends and Global Opportunities in the Future” was conducted on 25<sup>th</sup> of January 2017 with the resource person as **Mr. Ravi Phadke**, Global Head, Electronics Operation, Johnson Electronics, Hong Kong.

The Speaker enlightened the students on the various opportunities in automobile sector. He explained the technical concepts involved in automobile engineering and narrated the practical exposure required in the industrial sector. He briefed the students about how they solve the problems in Johnson Electronics in realistic situation. Total of 87 Mechatronics students have participated in the technical talk

The topic was beneficial for the student to study different courses in Mechatronics Engineering, understand the global trends and know practical applications of Mechatronics in Automobiles. Also, he motivated the faculties to pursue research in Automotive Engineering and allied areas.





### **MTR02: Industrial drives and controls**

A one day workshop on Industrial Drives and Controls was conducted on 22<sup>nd</sup> May 2017. Mr. Bharath T S, Asst. Manager, Bosch Rexroth, Bangalore was the resource person for the workshop. The workshop dealt with the topics related to Hydraulic and Pneumatic drives. The resource person gave practical exposure & usage of hydraulics drive in industrial sectors. Students were given hands on session on Electro-Hydraulic and Electro - Pneumatic Systems. Students of 3<sup>rd</sup> year & 4<sup>th</sup> year have participated in the workshop.





**MTR03:** Android app development

A Two days' workshop on Android App development was organized on the 6<sup>th</sup> & 7<sup>th</sup> May 2017. The workshop was conducted by the resource person Mr. Abhinandan Sreekumar, Android Developer for the Google Student Program in India. Hands on training on Android Studio, Advanced tools & interface, Front-End and Back-end Development were covered in the workshop. Total of 38 students from different years were benefited from this workshop.

