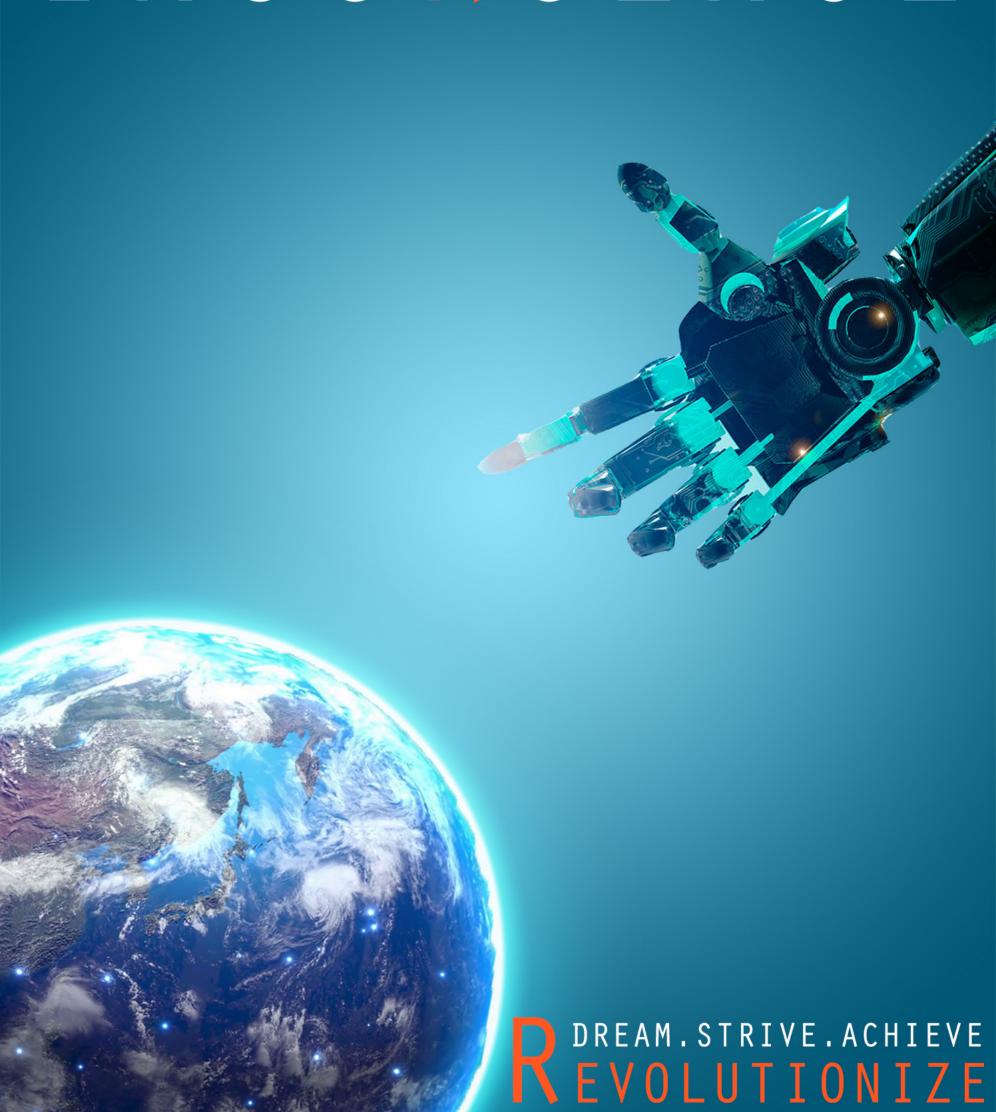
INSURGENCE



EDITORIAL

EDITOR Glenson Toney

DESIGNER Omkar Manjare

Joel Serrao

WRITERS

Iral Patricia Noronha

Jasline Loren Tauro

Stephen Rion Veigas

Mohammed Naif

Syed Umair

Aaron Seth

Ashil Sam

PHOTOGRAPHER Anand Naik

MANAGER

Mardan Baig & Mamatha C.



From HOD's Desk



It gives me immense pleasure to congratulate students and the faculty of Mechatronics for presenting the first bulletin of the department. Mechatronics, the youngest department at MITE established in the year 2014 has carved a niche for itself.

The curriculum is thought by a distinguished faculty combining academic and real world experience with dedication and commitment. During study at the department the students are encouraged to get hands on experience on recent technologies through internships, industrial visit, workshop from industry experts. In addition they are encouraged to take up inter disciplinary projects that supplement theoretical knowledge with practical experience.

The department looks forward to excel in academics and is striving to inculcate entrepreneur traits among students. Our department with the first graduating batch this year aims at propelling projects that would aid community as well.

We are confident that along with excellent curriculum delivery inculcation of moral and ethical values our budding engineers would excel in their chosen field and would meet the expectation of the fast growing technological world.





COVER STORY

To begin with...

THE DEPARTMENT

This is Us.



Ready for the World



Excelente Galore



The Pride of the Department

BEYOND CURRICULLUM

Academics ain't Everything

MACx @ SENTIA

Unleashing Talents

SPORTS

Scoring the "GOALS"

SOCIAL CONCERN

A helping hand









MECHATRONICS AND AUTOMATION CLUB FOR XPLORATION



When something is important enough, you do it even if the odds are not in your favor. Hailing from a field born out of the fusion of various branches, the chase to perceive the course is quite challenging. Awaiting the very first batch to graduate, the branch has added remarkable presence in a brief time.

Our chairman Mr. Rajesh Chowta was very solicitous to compose a branch which is subtle around the region. MITE is one of three colleges which hosts Mechatronics Department affiliated under VTU. His diligence towards the perfection of this branch has molded it to succeed triumphantly. His attention towards our branch is elemental to our accomplishments.

Having started with an intake of 60 students, the branch now steers a strength of 172 students. Our motto is to accomplish excellence in imparting Quality Education in Mechatronics and to contribute to the community through Research and Development. Achieving this conduct would

not be possible without unerring efforts of the faculty. Running with skillful professors who do not compromise on academic progress, it is taken care that every individual has garnered the knowledge imparted.

Every discipline needs a colloquium which serves as a backbone to moot the thoughts and ideas. The Department under its forum – Mechatronics and Automation Club for Exploration (MACx) has never failed to deliver at this front. Being an amalgam of everything, the forum focuses on every extra or intra curricular activities fastened to a student's career. Drifting on to academics, the first batch has obtained comprehensive results in two semesters. The Forum has generated phenomenal results where students have gained all round attention and broke conventions laid upon them. As a branch which stands proud of accomplishing at diverse wings, from academics to non-scholastic activities, to being an eminent part of internationally renowned events

development workshops to the students. conducted during annual college sports meet. Another proud feat is the Octon racing team which gained attention for winning the Best Design Award at the nationals for two consecutive years.

Getting placed in a well regarded company lets the graduates have a first hand experience in the real world. The students of the Department have performed quite competently in securing placements in top grade companies like BOSCH, Servify, Juego Studio.

Team MACx has held on to major roles in all the kart projects, captaining Formula MITE, Team Octon Racing Eco-kart, Team spectra, Team Impetus and Team Nitrox SAE-BAJA in 2018.

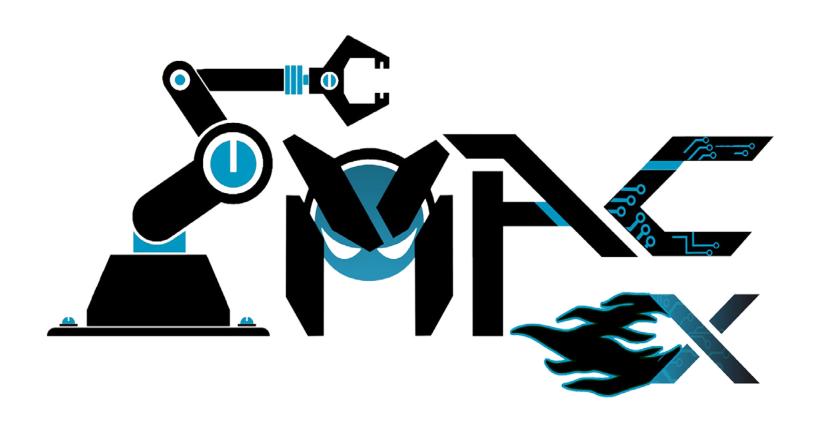
Giving an opportunity uncovers talent and ideas hidden in the herd. The Department has focused on assisting aspirants with their dreams by coordinating start-up summits **SMARTATHON** and like IDEATHON. Thus encouraging student aspiring to be entrepreneurs. The participants worked on formulating solutions on traffic congestion, machine learning, web development, energy generation from piezoelectric materials with technical support from the faculty. Three participants were selected to the final round. The Department showed its powers with 5 projects shortlisted from the institute out of the 15 that was submitted to Government of Karnataka under New Age Incubation Network for grant of INR 3Lakh.

The branch has also shown its prowess in sports with representation in the college team, playing basketball, football, cricket, volleyball, badminton and handball. Mr. Anand Naik is leading the College as the Sports Coordinator of MITE for this academic year. The students

events like TEDx and integrated android app have also secured many prizes in athletics proud that Abhinandan Mr. We are Sreekumar is the lead for the Google Developer Student Club at the institution and was also the Core Team Member of the Google Student Ambassador Program 2014-15 in the Mangalore Region. Adding to this he was the official licensee and organizer of the renowned International event TEDx MITE in the campus in the year 2016-17, which secured a rating of 9.6 on 10 by TED.

We have grown fearlessly to encounter new challenges and to leave a noteworthy mark. Milestone are being set, inch by inch as we look forward to set up to the new benchmarks and to exhibit our potential to the fullest. Success is not final, failure is not fatal: it is the courage to continue that counts. Happiness lies in the joy of achievement and thrill of creative effort. The future belongs to those who live up to the legacy that is left, and confer to their successor.

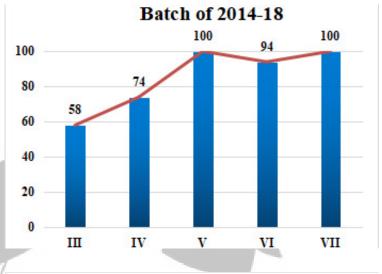
Insurgence is a rising. It is the revolt within to triumph. We believe in giving power to students, to enable them above the formidable; beat the odds and soar high with true spirit: INSURGENCE- Our students, Our journey, Our passion, Our LOVE. Lest are we content but definately elated. We take pride in the journey we have strode, marching ahead with wings of desire. We Dream and would never stop to; We Strive excel to Achieve. to To DREAM.STRIVE.ACHIEVE and REVOLUTIONIZE.



THE DEPARTMENT

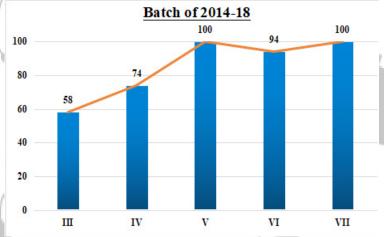
Ever since its inception in 2014 and now with a cavalry of 172 Soldiers guarded by 12 Royal Knights, we have been striving towards a common goal: **INSURGENCE.**

A look into our results:



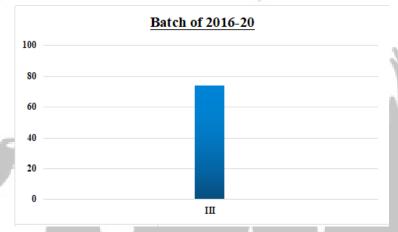


Anna Rose Johnny Aggregate 82% till 7th Sem





Mamatha C Aggregate 9 CGPA till 5th Sem





Sanketh S Raj Jain 8.64 CGPA 3rd Sem

"The department manages well in all areas and a student always finds himself in a pool of never ending opportunities be it curriculum or extra. Another feather in the cap is the faculty that helped impart quality education to the students. I am glad to be a part of the fraternity which pioneered my all round development."

-Anna Rose

PLACEMENTS

Abhinandan Sreekumar Servify

Akshay P D Bosch

Asiya Hannath Juego Studio Pvt. Ltd.

Chrysostom Watson Juego Studio Pvt. Ltd. & Silverpeak

Sarthak Vasanth Juego Studio Pvt. Ltd.

Vishal Ahankari Juego Studio Pvt. Ltd.

Naresh Kumar SLK Software

Sravan V PACE Wisdom Solutions Pvt. Ltd.

Anand S Naik Alpha 9 Marine

Chiranjeevi Alpha 9 Marine & Silverpeak

Jithin C Joseph Alpha 9 Marine

K S Ajay Shenoy Alpha 9 Marine, Silverpeak & Diya Systems

Kevin Crasta Alpha 9 Marine & Silverpeak

Naveen Kumar N V Alpha 9 Marine

Pradhan Rahul Alpha 9 Marine

Vishal T P Alpha 9 Marine

Akarsh Jain Silverpeak

Vishaka M Silverpeak

II The Placement Department assisted well in providing placement. The Mechatronics Department strived along and made sure we would be able to face the interviews with preparedness, confidence, and morale. Right from the 3th semester, we were weekly trained by the Department, in not just aptitude tests and the regular "Placement Training", but in all aspects of the placement process, from being able to introduce yourself, to getting your resume perfected to the tee. Group discussions, debates, and interaction were stressed upon and regular mock sessions helped us more than we realized at the time."

-Chrysostom Watson

TWO YEARS IN A ROW **TEAM OCTON RACING** AWARDED "BEST DESIGN" AT ALL INDIA ECO-KART CHAMPIONSHIP



Team Octon with Best Design Award 2017

Team Octon secured the BEST DESIGN AWARD for two consecutive years. II students from Mechatronics department participated in the event. The eco-kart is one of the most successful projects by the students of Mechatronics department. For the eco-friendly battery operated car, the team design was awarded at the all India eco-kart championship in 2017 and 2018 for its aerodynamic curved body structure and virtuous aesthetic appearance with sportive features. In 2017 it was held at BML Munjal University, Gurgaon, Haryana and 2018 the national event

was hosted by Gautam Buddha University, Noida, Uttar Pradesh. Team Octon was guided by Dr. M Lokesha, Professor, Department of Mechanical Engineering and Mr. Sathyanarayana, HOD, Department of Mechatronics Engineering.

The eco-friendly kart was evaluated in three different stages:

Initial stage of evaluation:

Qualifier round for the main event was completely online through video conference. Here the teams were evaluated for project planning and optimization concepts to proceed for the next level.

College level Technical Inspection evaluation:

At the college level, a technical inspection was conducted. The kart satisfied all the required parameters as per the regulations and got qualified to the dynamic round.

Final stage of design evaluation:

The team cleared the dynamic round for two years running and garnered rave appreciation from the event organizers and were unequivocally crowned the Best Design - Eco Kart Award for the innovative design features.



The team was participated in the ENK 2017 and stood 4th overall



Team Octon Kart was awarded Best Design Award 2018

TEAM SPECTRA WON THE AWARD "MY GLORY, MY RIDE" AT ISVC 2018



Team Spectra at ISVC 2018



MITE Solar Vehicle

Team Spectra won the award "My Glory, My Ride" at Indian Solar Vehicle Championship (ISVC) 2018, held from March 12th-15th 2018 at Maharishi Markandeshwar University, Mullana, Ambala, Haryana. The event was organized by Credible future.

The team consisted of 24 students from Mechatronics, Mechanical and Electronics and Communication Engineering. The pre-event selection process consisted of an Online Evaluation, where the teams had to submit and present the various reports such as Design Analysis, Electronic Circuit Design, Business Report and Cost Report. The Static events were Technical Inspection, Business Report and Innovation in the vehicle. Only after clearing the Technical Inspection, the teams were eligible to enter the Dynamic Events. The Dynamic Events were Acceleration and Brake test, Autocross, Mud trial, Drag Race, Main Endurance and Solar Endurance where the Vehicle had to run only from the Solar Energy.

FORMULA MITE RACING STOOD 6TH OVERALL AT FMAE 2017 AND SECURED THIRD IN **DESIGN**



Formula MITE racing Team at Kari Motors Speeday, Coimbatore

Formula MITE Racing had 26 students from Mechatronics, Mechanical, Aeronautical and Electronics and Communication Engineering. The 4 day event consisted of static events like Design evaluation, business presentation, cost analysis, technical inspection and dynamic events like brake test, acceleration test, skip pad test, autocross and finally endurance test.

In the year 2017, 31 teams participated out of which 25 cleared the Online Evaluation rounds and 20 appeared for the main event, where in only 12 teams cleared the technical inspection and qualified for the next round. Formula MITE Racing participated in all the events and bagged 3rd position in the Design Evaluation and stood 6th Overall.



FFS racing track

TEAM IMPETUS RACING THE ALL WOMEN'S TEAM FROM MITE RECEIVED 'APPRECIATION AWARD' AT INDIAN KART RACING 2018



All Womens Team that built the Kart

IKR season 3 was an "All Girls Go Kart Team" competition. Initially there was a pre-virtual round. Teams which clear this round were eligible to enter the Static and Dynamic Round. The Static round consisted; Technical Inspection, Innovation Report, Business presentation and Cost Report. The Dynamic Round had Acceleration and Brake test, Auto cross and the Main Race. The event had 50 teams out of which 40 cleared Pre-Virtual Round and entered Dynamic event. Team Impetus Racing won the APPRECIATION AWARD.

The team had 14 members from Mechatronics Engineering, Mechanical Engineering, Aeronautical Engineering and Electronics and Communication Engineering. Ms. Mamatha from Department of Mechatronics was part of the team and worked relentlessly in the Transmission department.

Team Impetus Racing of Mangalore Institute of Technology and Engineering won the Appreciation Award, by ISIE in IKR season 3 held at Budh International Circuit, Greater Noida, held from 17th- 20th January 2018.



The Kart



I fyou are not willing to risk the usual, you will have to settle for the ordinary. Abhinandan Sreekumar serves as an example and stands out for the quote. Being the first Alumni to graduate out of the Mechatronics department, he leaves with a bag full of accomplishments. He is precedent for being a multifaceted, whose forte is to grab the next big thing that pops. Mr. Abhinandan has an impeccable record in team building and managing various activities and events. Whether it is his excellent academics or his exceptional organizational and communication skills, he has made a mark for himself in the institution.

He is a part of the world's first batch of Google Student Developer club (DSC) lead of 180 from all over India selected from 3000.

He is the Lead for the Google DSC at the institution. Mr. Sreekumar was the Core Team Member of the Google Student Ambassador Program 2014-15 in the Mangalore Region. His contribution to G.E.A.R (Google Events and

Mr. ABHINANDAN SREEKUMAR

Lead, Google Developer Student Club

Activities Realm), development of Android and DM skills on campus and in building awareness in Mangalore region is noteworthy.

Being selected as a DSC lead for my college was an experience that I would cherish all through. From meeting Googlers from all over the world to having professional training programs and summits, my learning curve was exponential. The department has supported me in conducting several workshops. The faculties have always been supportive in organising any activities and events."

In addition, he was the licensee and organizer of the renowned International event TEDx MITE in the campus in the year 2016-17 which had a rating of 9.6/10.Mr.Abhinandan has conducted several android workshops in our institution and various Schools and Colleges around Mangalore. He has also developed an App for BrandScan which is a business Startup and has won first place for app development event in the Google Fest Mangalore in 2014-15.

He is hardworking, consistent and has the immense perseverance to excel in all his endeavours. Currently placed at Servify Team MACx wishes him luck in all his endeavours.



INDUSTRIAL VISITS

LAMINA FOUNDRIES, NITTE

An industrial visit to Lamina Foundries Ltd. was organized by the Department on the 18th of September 2016. Lamina Foundries spearheads manufacture of automobile and industrial

Grey Iron and S.G Iron Castings, V machining of these castings to the required specifications. Students were exposed to the various steps involved, and were shown the chemical and physical tests done on raw materials. Students were given an insight on how an automated industrial production line works in the molding section of foundry. They observed in-detail the various machining operations done on casting, such as CNC machining, manual lathe, drill, and painting and packaging.



IMTEX TOOLTECH 2017, BANGALORE

Another industry-relevant trip organized by the department was a visit to Indian Metal Tool-Cutting Exhibition (IMTEX) 2017, an international expo and trade fair held by Indian Machine Tool Manufacturers Associations (IMTMA) in Bangalore, on the 28th of January 2017. IMTEX 2017 provided a platform for the launch of new machines with latest technologies related to the machine tool industry. The expo showcased technologies such as IOT, Industry



4.0, 3D printing etc, the exhibition area spread across 6 halls in a gross area of 66,000 sq. metre featured exhibitors from 23 countries like China, Czech Republic, Germany, Italy, Spain, Taiwan, USA. Over a thousand machines in operational mode were showcased. A total of 42 students from Mechatronics visited IMTEX 2017. The expo put forth best technologies used currently in cutting tool machines and implementation of automation in them.

LAMINA SUSPENSION PRODUCT LTD. MANGALORE

A visit to "Lamina Suspension Product LTD" near Mangalore was organized as a part of Entrepreneurship Awareness campaign on 19th of August 2017. Students observed automation and the design involved in the production of suspension spring equipment.



TOTALGAZ, MANGALORE

Department of Mechatronics organized an Industrial visit on 11th of November 2017 for the students of 3rd semester. to Total Gaz Pvt. Ltd. India. The students got to learn about various sectors of servicing, managing, transporting, storage and supervision. The students got first hand experience on how Total Gaz stores and distributes the oil imported from various countries through underground pipeline system right from Mangalore Port and further more how its transported for various commercial and domestic purposes.



INTERNSHIPS

S Sakthi Vlkneswar

Sriram S

Abhinandan Sreekumar

Sarthak Vasanth

Chrysostom Watson

B Nikhilesh

Manjunatha A K

Ashwith Kumar P

Lohith Ashwin Pinto

Ashwanth M V

Subramanya H S

Karthik

Neetha N

Kaushik S

Akshay PD

Akshay PD

Chiranjeevi Saliyan

Abhishek cm

Devidas Dure

Razi P

Ashfak Abdul Khadar

Muhammed Shahzil Manikoth

Muhammed Madathil

Aayush Hegde

Fahim Abdul Gafoor

Ameen Abdul Kareem

Dennis Augustine

Naveen Kumar R

Aaron Shawn Correa

Mohammed Zaki Jahid

Mourya Raj Shetty B P

Syed Umair

Dhruv Kowshik

Christon Xavier Sequeira

Naveen Kumar

Sravan K

Sharanya A Bhadrapur

Karthik Arvind

Vishakha M

Nayana G

Anna Rose Johny

DRDO, Bangalore

DRDO, Bangalore

Servify, Mumbai

Juego Studio, Bangalore

Juego Studio, Bangalore

Toyota, Bangalore

BSNL, Mangalore

Mahindra, Mangalore

Mahindra, Mangalore

Keltron, Kerala

Triveni Engineering and Industries, Mysore

MRPL, Mangalore

Slekin, Mangalore

Maruthi Suzuki, Mangalore

HMT machine tools, Bangalore

ExpertsHub, Bangalore

ExpertsHub, Bangalore

ExpertsHub, Bangalore

ExpertsHub, Bangalore

Devise Electronics, Bangalore

MRPL, Mangalore

Experts Hub, Bangalore

Srinivas Induction Hardening

Srinivas Induction Hardening

Keltron, Kerala

Bharath Petroleum, Mumbai

Transformers and electricals kerela ltd.



WORKSHOPS

INDUSTRIAL DRIVES AND CONTROLS

A one day workshop on Industrial Drives and Controls was conducted on May 22nd 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 with an introduction to Automation, Overview of Hydraulic and Pneumatic drives. It was followed by a hands-on session on Electro-Hydraulic and Electro-Pneumatic systems.



ANDROID APP DEVELOPMENT

A two day workshop on Android App development was organized on the 6th and 7th of May 2017. The workshop was conducted by Mr. Abhinandan Sreekumar, student of VI Semester, who was also the Official Android Developer for the Google Student Program in India. The Workshop dealt with Introduction on Android Apps and the basic tools used to build Android Apps, Understanding Java for building apps, developing a basic App using Android Studio, Advanced tools and interface, Front-End and Back-end Development. The workshop concluded with Hackathon:" Build your own app".

INTERNET OF THINGS

A two-day workshop on IOT was organized on 6th and 7th of October 2017 by Mr. Nishanth Singh, Senior Technical Consultant of ProTrex Technologies, Maharashtra. It covered major concepts like; Embedded system and its working, Developing and Programming of codes into Microcontroller, working with Bluetooth and Wi-Fi Technology for Communication, designing system using Sensors and Actuators, etc. The students were also provided with an Arduino kit for interfacing Wi-Fi module and was followed by a build your own event.







TECHNICAL TALK ON "INDUSTRIAL AUTOMATION 4.0"

MACx organized a talk on INDUSTRY 4.0 in collaboration with BOSCH REXROTH. The talk aimed at bridging the gap between the industrial technology and student curriculum. Mr. Ashok from BOSCH REXTROTH talked over industrial revolution, current industrial requirements and how students should be prepared in advance for the upcoming changes in the technology. The main points stressed on were fast growing use of automation in various fields, CNC's being replaced by human labor and how technology is growing

widely in medical field. The company representative interacted well with the students and cleared out many queries and doubts during the Q&A session.

ANDROID APP DEVELOPMENT

A two day workshop on android app development was organized for students of MITE on the 6th and 7th of April 2018. The workshop was conducted by Mr. Abhinandan Sreekumar, student of VIII semester who is the Google Developers student Club Lead along with Mr. Clyde Shelton Bangera, student of VIII semester a Google applied CS representative, Mr. Syed Mohammed Ridhan, student of VIII semester and Mr. Kashyap developer of Kannada news app BeeShort. The students were trained to develop a basic app. The workshop concluded with a two hour Hackathon which was conducted through Hacker earth.



MODELLE FOR THE STATE OF THE ST

TALK ON 10T

A Talk on IOT by Mr. Anil N Prabhu and Miss. Asma (HR) from ANP works on 5th of April was organized by MACx with the motive of integrating ideas of students of various institutions and coming up with an innovative project based on IOT. Students were offered to display their ideas on what they can incorporate with IOT to make new projects. Students were guided by the HR about what an industry looks forward in Engineering Graduates, tips on CV and E-mail. The two hour talk was concluded with a Q/A session.

WORKSHOPS/SEMINARS ATTENDED BY STUDENTS

Mourya Raj Shetty Autonomous Robotics, IIT Delhi Sakthi Vikneshwar Autonomous Robotics, IIT Delhi

Aaron Shawn Correa Androidbotix, IIT Bombay
Christon Sequeira Androidbotix, IIT Bombay

Md. Zaki Jahid Androidbotix, 11T Bombay

Sharanya Bhadrapur Soft Skills, IIT Roorkee Akarsh Jain Soft Skills, IIT Roorkee

Vishaka M Lean Six Sigma Yellow belt, Binghamton University

Sakthi Vikneswar Radar and antenna systems, NIT Tirchi Sakthi Vikneshwar Armoured Fighting Vechicle, NIT Tirchi

Sakthi Vikneshwar Industrial Automation and IOT, NIT Tirchi

Sravan K Ethical Hacking and Cyber Security, PACE

Devidas Dure Mobile Robotics, Swinburne University

Lohith Ashwin Pinto Eye Blink, A1 Logics

Syed Umair Astrobiology workshop, NASCA, at Sathyabama, Chennai

Vishal Ahankari NBA superfan program, Chatterbox technologies

Ronson Nazareth Automation workshop, SMEC automation

Sharanya Bhadrapur HTML Fundamentals, SOLOLEARN

Aayush Hegde IC Engine and Automobile Prototype, Skyfi Labs

Aaron Shawn Correa IC Engine and Automobile Prototype, Skyfi Labs

Subramanya H S RC micro quadcopter UAV, AVIAN Aerospace

Karthik Bhadrapur RC micro quadcopter UAV, AVIAN Aerospace

Subramanya H S Automobile design and simulation, Virtualis Motorsports

Ravi B Hosamane Automobile design and simulation, Virtualis Motorsports

Automobile design and simulation, Virtualis Motorsports

Electrical ckt design, Vidya Vikas Inst. of Engg. & Tech.

Md. Zaki Jahid Vayuyana, MITE

Sakthi Vikneshwar Vayuyana, MITE

Mourya Raj Shetty Vayuyana, MITE

Dhruv Kowshik Vayuyana, MITE

Syed Umair Vayuyana, MITE

Manjunath S

Subramanya H S

PUBLICATIONS

Mr. Sathyanarayana

Design of Effective Hydraulic Braking System For Formula Motorsport Car at International Conference on Advances in Manufacturing, Materials & Energy Engineering (Icon MMEE) 2018 Design of Efficient Powertrain System For a Motorsports Race Car Using Bike Engine at International Conference on Advances in Manufacturing, Materials & Energy Engineering (Icon MMEE) 2018

Mrs. Rumana Ali

Fuel Cells: Future at the International Conference on Advances in Manufacturing, Materials & Energy Engineering (Icon MMEE) 2018

Introduction of Cellular Automata in Designing stream cipher in the International Journal of Advances in Electronics and Computer Science, vol-2, issue-4, April 2015

Mr. Sharath D

Heat Transfer Numerical Simulation and Optimization of a Heat Sinks at International Conference on Advances in Manufacturing, Materials & Energy Engineering (Icon MMEE) 2018 Three dimensional numerical analysis of unglazed solar water heater for enhancement in thermal performance in the International Journal of Latest Trends in Engineering and Technology, vol-4, issue-2, July 2014.

Mr. Yathiraj K

The Effect on the Microstructure, Mechanical Properties and Dry Sliding Wear Behaviour of A-356 Alloy by Adding the Grainrefiner Al-5ti-1b in Varied Weight Percentage in the International Journal of Innovative Research in Science, Engineering and Technology, Vol.6, Issue 2, February 2017

Evaluation of Mechanical Properties of Aluminium 6061 Reinforced with Boron Nitride MMC's using OM in the International Journal of Innovative Research in Science, Engineering and Technology, Vol.5, Issue 9, September 2016

Mr. Kiran Kumar

Review on Condition Monitoring of Bearings using vibration analysis techniques at International Conference on Advances in Manufacturing, Materials & Energy Engineering (Icon MMEE) 2018

Mr. Glenson Toney

Detection of intruders in warehouses using Infrared based Thermopile Sensor Array at International Conference on Advances in Manufacturing, Materials & Energy Engineering (Icon MMEE) 2018 Classification of Scalding Burn using Image Processing Methods at IEEE International Conference on Intelligent Computing, Instrumentation and Control Technologies, 2017

Implementation of Visible Light Communication for Vehicles at IEEE International Conference on Advanced Communication Control and Computing Technologies, 2016

Design and Implementation of Safety Armband for Women and Children using ARM7 at IEEE International Conference on Power and Advanced Control Engineering, 2015

Ms. Akshaya D Shetty

The Comparative Study on Thermocouple and Thermopile used for Temperature Measurement at International Conference on Emerging Trends in Science & Engineering, 2017

Detection and Tracking of a Human Using the Infrared Thermopile Array Sensor- "Grid-EYE" at International Conference on Intelligent Computing, Instrumentation and Control Technologies, 2017



SENTIA is exhilarating unceasing days of passion, days of contentment and opulence. The annual state level inter-collegiate fest over the years has carved a niche for itself. Mechatronics branch every year organizes a variety of programs for the inter-collegiate fest.

Sentatainment the series, animations and TV show quiz to bring out the e-buzz knowledge out of the students is first of its kind event brought in by Mechatronics. The entertainment industry and the contemporary technology going concurrently, it would be prejudiced if we chew over. Thus, giving a queer chance to contention among students who binge watch all the shows.







SOCIAL CONCERN

We are the MACx; tech-savvy, droid-driven and Cyber-fanatics. Nevertheless, human. We may be gear and shaft reliant, but we heartily believe in substantial development. The humane part of us is been contributing considerably to the society and the environment.

Vijetha Special School

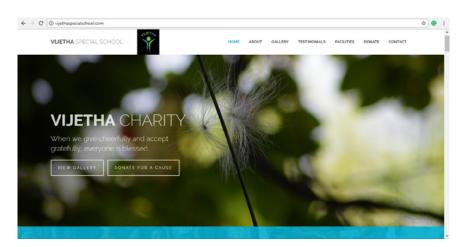
The department organized a visit to the special school, spent a day with the differently-abled children. And even coordinated several cultural activities with them. A day that we cherish even to this day.



vijethaspecialschool.com: Blood Donation:

Website Design

Mr. Abhinandan Sreekumar designed a website for Vijetha Special school.



has Department The actively participated in several blood donation camps organized by NSS-MITE, both in-house and outside.





KEEPING OUR HEADS HIGH EVEN WHEN THE CHAI WE TRULY BELEIVE



CX

I AND PUSHING FORWARD, LENGES ARE TOUGH, IN THE INSURGENCE









TESTIMONIALS

The department has always tried to teach us the professional's life along with academics which is very important for the phase hereafter. The constant support and motivation from the faculty has always kept us on to and helped get things done in time. The industrial visit was an experience of its own. It has given us the brief insight of the implications of the subjects we have learnt.

-Asiya Hannath, Juego Studio

A highly competitive environment with lots of professional training programs that makes you feel industry ready and provides endless opportunities for growth.

-Vishal Ahankari, Juego Studio

As a Mechatronics Engineering student the department provides a wide arena of the field and thus I get to learn something new with every subject. Supportive seniors and faculty, beautiful campus, quality education, real world experiences and amazing friends. The environment not only helped me in imbibing knowledge but also in developing my overall personality, fuelling confidence in me. Its everything one needs from a department and a network developed for life.

-Naresh, SLK Software

Emphasis on quality education led to the development of my overall personality. Best faculty members find the potential in us and prepare for industry. The standard of placement training was above all expectations. The placement coordinator had very good interaction with us and helped us find problems and dilemmas from our perspective. Instead of preparing the students in a point of placement alone, the department has personality development skill training program right from third semester. Group discussions, debate and mock sessions helped me in improving my confidence.

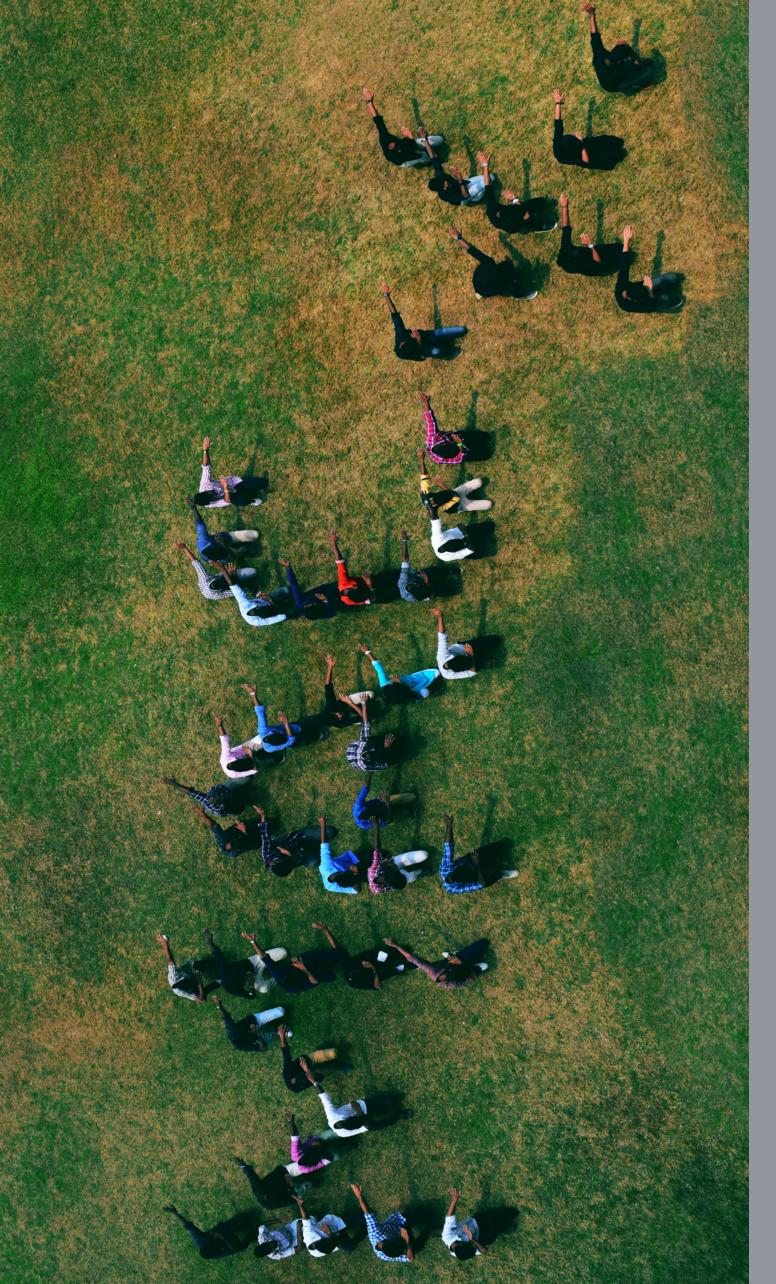
-Jithin Joseph, Alpha 9 Marine

The department encouraged me well to perceive internship at. At HMT Tools. I had to push myself to learn at a fast pace and plan and execute a way to complete a major project. I was able to understand recent industry practices, standards and their expectations. This aided immensely in preparing myself for placements.

-Akshay PD, Bosch

Apart from the academic affairs, the Department has encouraged us in the field of track and sports. With state of the art infrastructure for sporting events like Basketball, Football, Cricket, Volleyball and Handball. Along with annual Sports meet we students are given opportunity to showcase our talents. Such events help create a Status-Quo between mind and body.

-Anand G Naik, MITE Sports Coordinator





Mangalore Institute of Technology and Engineering

A Unit of Rajalaxmi Education Trust

