

HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE-32

DEPARTMENT OF MECHATRONICS ENGINEERING

Proudly Presents

Aventura'19



Academic Year 2019-2020

FROM THE EDITOR'S DESK



It is happy to inform that our pride rests in the yearly Magazine " AVENTURA-2019" is prepared, which implicitly incorporates all the co-curricular and extra-curricular activities of the department and is followed meticulously without any deviation. In addition to academics, the department strives for the holistic development of students by arranging various activities like workshops, seminars, guest lecturers conferences and industrial visits. We, the faculty members believes and work towards that our students are molded to become successful engineers, managers and future ethical leaders with required knowledge, analytical skills and creativity to develop innovative solutions to challenging problems who are not only committed to the industry but also to the society.

As you glance through these pages, may you celebrate the accomplishments of our students, and know the amazing possibilities ahead for them.

I congratulate the team of faculty members and the students for their brilliant and original efforts. I wish all the Students and Faculty a great academic career and success.

**Dr.S.J.Narmadha
Professor & Head**

Department of Mechatronics Engineering.

Associate Editors : M. Karthikeyan, M.E., Assistant Professor/MCT Department
K.Kesavaraj, M.E., Assistant Professor/MCT Department

Student In charges : S.Jayasakthi, IV MCT A Section
Sobin Sunny, IV MCT B Section.

STUDENT'S ACHIEVEMENT

PLACEMENT DETAILS *

S.No	Company name	No. of Students Placed
1	CTS	7
2	L&T Info tech	4
3	AGIIT	2
4	GO Speedy GO	3
TOTAL		16

Cognizant Technology Solutions (CTS) (3.38 LPA)



Bharani Dharan. S



M.Abdur Rahman



Sobin Sunny



Mugilan



P.Naveen Kumar



Irene Monica Lasar



M.Ragul

**L&T Info Tech
(2.48 LPA)**



Jason Solomon



**Jayasakthi
Sundhararajan**



Ragul.P



Sharumathi

Go Speedy Go



P.Ragul



Kaviarasan



Aravind Kumar.C

AGIIT



M.Abdur Rahman



Thirupathi Kannan

UNIVERSITY RANK HOLDERS (2013-2017 BATCH)

S.NO	REGISTER NUMBER	NAME	CGPA	RANK
1	720713115047	MANIKANDAN.V	8.51	4
2	720713115020	FREDRICK LOURDU RAJ.A	8.45	8
3	720713115107	UMAS	8.42	9
4	720713115070	PRASANTH.B	8.13	16
5	720713115065	PACHAIYAPPAN.V.S	7.99	25
6	720713115093	SHIVRANJAN TIWARI.T	7.96	27
7	720713115021	GANESAMOORTHY.N	7.95	28

STUDENT ACHIEVEMENTS



*Team Trail Blazer, Students of Mechatronics Engineering participated in NATIONAL LEVEL BFKCT (Bharat Formula Karting Champions Trophy– Season II– March 2019, Conducted by CADD Technologies) held at Kari Motors, Coimbatore and honored with a Special Award for being the **1st ALL WOMENS TEAM IN SOUTH INDIA** and they secured **21st position all over INDIA.***



Team Trailblazers, Students of Mechatronics Engineering participated in NATIONAL LEVEL Formula 9 event (Organized by Sumathi Motors) held in SNS College of technology and **won best innovation award with a Cash Prize of Rs.3000 among 26 other colleges.**



Team Synotronz, Students of Mechatronics Engineering participated in NATIONAL LEVEL BFKCT (Bharat Formula Karting Champions Trophy – Season II– March 2019, Conducted by CADD Technologies) held at Kari Motors, Coimbatore and **Won 4th Runner Up with a Cash prize of Rs.15000.**



Team Solar Trail Blazers, Students of Mechatronics Engineering participated in NATIONAL LEVEL SUVIC (SAUR URJA VEHICLE CHAMPIONSHIP- March 2019) held at Hindusthan College of Engineering & Technology, Coimbatore and received **OVERALL RUNNER UP AWARD** with a cash Prize of **Rs.35, 000** and Awarded with **Best Suspension & Durability** award with cash prize of **Rs.5000**.



Students of Mechatronics Engineering department secured 4th place all over India in Bharat Formula Karting held at Kari Motors during 02/08/2018 – 04/08/2018.

LIST OF STUDENT CO-CURRICULAR ACTIVITIES

- Hiraj Sharma, II Year MCT participated in a workshop on “IOT using Raspberry PI” on 10/8/2018 at Vellore institute of Technology.
- Ritiesh kumar, II Year MCT participated in a workshop on “IOT using Raspberry PI” on 18/8/2018 at PSG institute of technology and applies sciences.
- Sureya G,II year MCT participated in a workshop on “Programming for Campus Success” on 27/8/2018 at Hindusthan college of Arts and Science
- Briayn Santho, II year MCT participated in a workshop on “Programming for Campus Success” on 27/8/2018 at Hindusthan college of Arts and Science
- Balaji R, II year MCT participated in a workshop on “Programming for Campus Success” on 27/8/2018 at Hindusthan college of Arts and Science
- Anto Biinu, II year MCT participated in a workshop on “Programming for Campus Success” on 27/8/2018 at Hindusthan college of Arts and Science
- Thouheed Shannawaz, III year MCT participated in a workshop on “Programming for Campus Success” on 27/8/2018 at Hindusthan college of Arts and Science
- Zuman, III year MCT participated in “DST –NSTEDB Awareness Camp” from 6/9/2018 to 8/9/2018 at HICET, Coimbatore.
- Boobalan.S and Taufiq Ahmed F, III year MCT participated in a Workshop on “Recent trends in Bike engine power manipulation” on 8/9/2018 at Government College of Technology, Coimbatore.
- Briyan Santho, Aravindhan.K,Aswin PR, Akash BM, II year MCT participated in a paper presentation event held at Park college of engineering and technology on 27/9/2018.
- Briyan Santho, Aravindhan.K, II year MCT participated in “Mr.Mechanist” event held at Park college of engineering and technology on 27/9/2018.
- Bharath L,II year MCT participated in a workshop “ Hands on Training in PLC and SCADA” on 27/9/2018 at Hindusthan Institute of Technology, Coimbatore.
- Ravi Teja , Rahul Raja, Rahul Krishnan & Prasanth.G, Students of Mechatronics Engineering, the project titled “SMART CONTROL AND RECONNAISSANCE BOT” have selected for participation in the NATIONAL SCIENCE AND TECHNOLOGY FAIR, Organized by CODISSIA, Coimbatore.
- Azhageswari and Barkavi, Students of Mechatronics Engineering, the project titled “MICROCONTROLLER BASED PANTOGRAPH SYSTEM” have selected for participation in the NATIONAL SCIENCE AND TECHNOLOGY FAIR, Organized by CODISSIA, Coimbatore.

- Madhana, Aakash and Harish, Students of Mechatronics Engineering, the project titled “LOW COST SMART RAIN MONITORING MECHATRONIC SYSTEM FOR SMALL SCALE INDUSTRIES” have selected for participation in the NATIONAL SCIENCE AND TECHNOLOGY FAIR, Organized by CODISSIA, Coimbatore.
- Mahakrishnan, Students of Mechatronics Engineering, the project titled “FORESTALLING CONVOY-USING IOT AND LIFI” have selected for participation in the NATIONAL SCIENCE AND TECHNOLOGY FAIR, Organized by CODISSIA, Coimbatore.
- Maniraj.S, Muhammed Ihsan & Team, Students of Mechatronics Engineering, the project titled “VR ROBOTIC ARM” have selected for participation in the NATIONAL SCIENCE AND TECHNOLOGY FAIR, Organized by CODISSIA, Coimbatore.
- Abinash B, Manoj kumar P, II year MCT participated in a Workshop on “ Design of Electrical Machines” on 27/12/2018 at Sri Ramakrishna Engineering College.
- Riteesh Kumar R, II year MCT participated in a Workshop on “Orientation on Electric Power Train” on 4/1/2019 at Coimbatore Institute of Technology.
- Manoj Kumar P, Rathina Kamesh S, Sangeeth Raj K, Sanjay Kumar G, Abinash B, II year MCT participated in a Workshop on “ Industrial Automation Using PLC and SCADA” on 5/1/2019 at IPCS Automation.
- Diwan R, Amarnath B, Suriya M, Suprajith SP and Naveen D, II year MCT participated in a Workshop on “ Industrial Automation Using PLC and SCADA” on 5/1/2019 at IPCS Automation.
- Rishab Bansali, Srigoikul and Subash K, II year MCT participated in Workshop on “Rapid Prototyping using ARM Controller” on 6/1/2019 at Coimbatore Institute of Technology.
- Rathina Kamesh S, Sangeeth Raj K, Rishab Bansali, Jayasundhar M Sanjay Kumar G, II Year MCT participated in a Workshop on “ Image Processing Tools using MATLAB” on 9/1/2019 at IPCS Automation.
- Srigoikul P, Suriya M, Suprajith SP, Sureya G, Naveen D, II Year MCT participated in a Workshop on “ Image Processing Tools using MATLAB” on 9/1/2019 at IPCS Automation.
- Vishnu Priyan S and Rashik N, II year MCT participated in a Paper Presentation on 27/12/2018 at Coimbatore Institute of Technology.
- Sureya G, Sanjai Kumar G, Sangeeth Raj K, Suprajith SP, Naveen D, II Year MCT participated in a Workshop on “Industrial Robotics” on 27/1/2019 at VLANDS best HUB.
- Jegatheeswaren N, II year MCT participated in a paper presentation on 1/2/2019 at Coimbatore Institute of Technology.
- Bharat raj S, Akash BM and Jeffrismon, II year MCT participated in a Workshop for “PROBOT” on 2/2/2019 at NIT, Tiruchirappalli.
- Mohammed Rajeet S, Shashank, Rashik N, Kannan M, II Year MCT participated in a Workshop on “ Ardubotic Robotics” on 5/2/2019 at Kumaraguru College of Technology.

- Abinash, II Year MCT participated in a Workshop on “ Ardubotic Robotics” on 5/2/2019 at Kumaraguru College of Technology.
- Abinash, II year MCT participated in a Workshop of “PCB Designing” on 14/2/ 2019 at NIT, Tiruchirappalli.
- Deva Praseth, II year MCT participated in a Workshop on “GCR” on 14/2/ 2019 at HICET, Coimbatore.
- Rishab Bansali, Mohammed Reeyaz, Rashik M, Srigokul P,Hiraj Sharma, Mohamed Riyan, Venkateshan P and Juliya Johnson, II Year MCT participated in a Workshop on “Robotics” from 15/2/2019 to 17/2/2019 at SYNERGY’2019.
- Subash K, II Year MCT participated in a Workshop on “Automobiles” from 15/2/2019 to 17/2/2019 at SYNERGY’2019.
- Diwan R, Deepak Deva A and Manoj Kumar P. II year MCT participated and WON FIRST PRIZA in a Line Follower competition held at Sri Shakthi Institute of Engineering and Technology on 2/3/2019
- Amarnath B, Abinath B, Subash K, II year MCT participated in a Workshop “Advancement in Dynamic Drive Control” on 2/3/2019 at HICET,Coimbatore.

LIST OF STUDENT EXTRA-CURRICULAR ACTIVITIES

- Tamilarasan G, Veeramani, Surendran and Vignesh B, III year Students of Mechatronics Engineering participated in a Volleyball competition held at KPR Institute of Engineering and Technology on 9/8/2018 and WON IV PRIZE.
- Tamilarasan G, Veeramani, Surendran and Vignesh B, III year Students of Mechatronics Engineering participated in a Volleyball competition held at Kumaraguru College of Technology on 15/8/2018 and WON III PRIZE.
- Siva Dhanush KM, IV Year MCT participated in athletic events held at Kumaraguru College of Technology on 15/8/2018 and WON II PRIZE.
- Tamilarasan G, Veeramani, Surendran and Vignesh B, III year Students of Mechatronics Engineering participated in a Volleyball competition held at KPR Institute of Engineering and Technology on 9/8/2018 and WON IV PRIZE.
- Tamilarasan G, Veeramani, Surendran and Vignesh B, III year Students of Mechatronics Engineering participated in a Volleyball competition held at SVS College of Engineering on 17/9/2018.



Students of Mechatronics Engineering participated and WON 2nd Prize in a HOCKEY Tournament Held at Sri Shakthi College of Engineering and Technology, Coimbatore

FACULTY INTERACTION WITH OUTSIDE WORLD

Name of the faculty	Name of the event	From date	To date	Resource Person
Dr.S.J.Narmadha	ICSTEM'19 (International conference on science,Technology,Engineering and Management) KIT-Kalaignarkarunanidhi Institute of Technology,coimbatore	22.03.2019	22.03.2019	M.Indhu Murugesh Vice chair person
Mr T.Venugopal	Intelligent Automation using Industry 4.0 (CSIR sponsored National level Work shop) Dr.Mahalingam college of Engineering and Technology,Pollachi	13.06.2018	14.06.2018	Dr.A.Rathinavelu Principal
Mr T.Venugopal	Embedded System Design –A Practical Approach,IIT -Roorkee	26.11.2018	30.11.2018	Dr. Dilip Kumar Pratihari Faculty & Coordinator

Mr.P.Sivaprakash	Intelligent Automation using Industry 4.0 (CSIR sponsored National level Work shop) Dr.Mahalingam college of Engineering and Technology,Pollachi	13.06.2018	14.06.2018	Dr.A.Rathinavelu Principal
Mr K.Kesavaraj	Intelligent Automation using Industry 4.0 (CSIR sponsored National level Work shop) Dr.Mahalingam college of Engineering and Technology,Pollachi	13.06.2018	14.06.2018	Dr.A.Rathinavelu Principal
Mr.T.Prabhu	Intelligent Automation using Industry 4.0 (CSIR sponsored National level Work shop) Dr.Mahalingam college of Engineering and Technology,Pollachi	13.06.2018	14.06.2018	Dr.A.Rathinavelu Principal
Mrs. Sindhu.S.SS	Biology for Engineers (AICTE Sponsored one week QIP short term course) ,IIT - Bombay	03.06.2019	07.06.2019	Prof.Preeti Rao Professor – in-charge (CE&QIP)
Ms S.Sowmya	Biology for Engineers (AICTE Sponsored one week QIP short term course) ,IIT - Bombay	03.06.2019	07.06.2019	Prof.Preeti Rao Professor – in-charge (CE&QIP)
Mr S.Madan	Biology for Engineers (AICTE Sponsored one week QIP short term course) ,IIT - Bombay	03.06.2019	07.06.2019	Prof.Preeti Rao Professor – in-charge (CE&QIP)
Mr.P.Tata varatharajaperumal	Introduction to robotics (work shop) Bannari Amman Institute of Technology ,Erode	27.07.2018	28.07.2018	Prof.Kavi Arya Principal Investigator, e-Yantra,Associate Professor
Ms.D.Dhanalakshmi	Biology for Engineers (AICTE Sponsored one week QIP short term course) ,IIT - Bombay	03.06.2019	07.06.2019	Prof.Preeti Rao Professor – in-charge (CE&QIP)
Mr.R.Vinoth	Biology for Engineers (AICTE Sponsored one week QIP short term course) ,IIT - Bombay	03.06.2019	07.06.2019	Prof.Preeti Rao Professor – in-charge (CE&QIP)

Mr.R.Vinoth	Introduction to robotics (work shop) Bannari Amman Institute of Technology ,Erode	27.07.2018	28.07.2018	Prof.Kavi Arya Principal Investigator, e-Yantra,Associate Professor
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DEPARTMENT ACTIVITES



Department of Mechatronics Engineering conducted a Value added course on “DIPLOMA IN 3D MODELLING USING SOLIDWORKS AND 3D PRINTING” by “MaxCADD Technologies” on 5th June 2018 at HICET,Coimbatore.



Department of Mechatronics Engineering conducted a Special Lecture on “Yoga- A Heartfelt Meditation” on 30th June 2018 at HICET,Coimbatore



Department of Mechatronics Engineering organized a one day Industrial visit to " AGRI INTEX" at Coddissia on 13th July 2018



Department of Mechatronics Engineering conducted a Seminar on "CADD Technologies" on 11th August 2018 at HICET,Coimbatore.





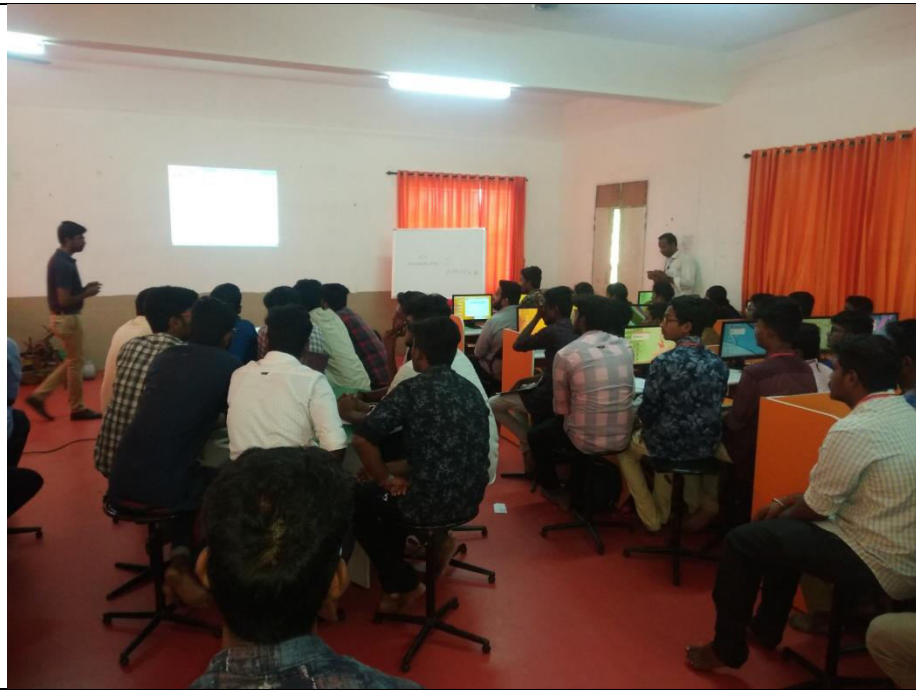
Department of Mechatronics Engineering conducted a **National Level Technical Symposium "Minenthra 2K18 Version 2.0"** on 8th September 2018. **Students from various colleges participated and won prizes.**



Department of Mechatronics Engineering conducted an awareness campaign by **advertising the symptoms of Dengu Fever and its prevention** to the public on 7th October 2018 at HICET, Coimbatore.



Department of Mechatronics Engineering conducted a Guest lecture on **"Non destructive Testing"** on 2nd March 2019



Department of Mechatronics Engineering conducted a Two days National level workshop on “Mobile Servicing” on 22/2/2019 and 23/2/2019



Department of Mechatronics Engineering conducted a Guest lecture on “Industrial Automation” on 12th January 2019



Faculties of Mechatronics Engineering attended a QIP Sponsored Short term Course at IIT Bombay from 3/6/2019 to 7/6/2019