



Ramco Institute of Technology

MECHANIZO NEWS LETTER 2018 - 2019

ISSUE 5



DEPARTMENT OF
MECHANICAL ENGINEERING



PREVIEW



EDITORIAL MESSAGE

We are happy to present the fifth issue of the yearly magazine of our department's technical students association named 'RIT MECHANIZO' which is the measure of progress that highlights the academic and non academic activities of both the staff and students of the department for the academic year 2018- 2019. During every semester, the calendar of events is prepared which implicitly incorporates all the curricular and extra curricular activities of the department. Most significant activities include i) Participating and winning Virtual round in SUVVC (Saur Urja Vehicle Championship) organised by RSTE (Refrangible Society of Technophile Engineers) ii) Participating and won First Prize in ICT Academy Student Innovator Award 2018 iii) First Prize in SRIJAN (Station Rejuvenation Initiative by Joint Action) Competition and Logo Design & Punchline Creation Contest conducted by Indian Railway Station Development Corporation (IRSDC) iv) secured 2nd Place in Individual Karate in 20th All India open Karate Championship - 2018 conducted by Japan Shito Ryu Karate Do Kai India Senbukai, Bangalore, v) Participating and secured 4th place in India Skills 2018- Mechatronics Skills conducted by NSDC and CII vi) Won Gold Medal in "31st State Junior Kyorugi & 8th State Junior Poomsae Taekwondo Championship - 2018" conducted by Thoothukudi District Amateur Taekwondo Association at SDAT- Indoor Stadium, Thoothukudi

EDITORIAL TEAM

Dr. S. Rajakarunakaran, HOD/MECH
Mr. P. Sureshkumar, AP(SG)/MECH
Mr. M.Lakshmanan, AP(SG)/MECH
Mr. S.Valai Ganesh, AP/MECH
Mr.T.Selva Sundar, AP/MECH
Mr. M. Vignesh, IV Year Mechanical
Mr. T.Rahul, IV Year Mechanical
Mr.S.Ajay Prakash, III Year Mechanical
Mr.V.Sunil Prabha, II Year Mechanical

RAMCO INSTITUTE OF TECHNOLOGY

COLLEGE VISION

To evolve as an Institute of international repute in offering high-quality technical education, Research and extension programmes in order to create knowledgeable, professionally competent and skilled Engineers and Technologists capable of working in multi-disciplinary environment to cater to the societal needs.

COLLEGE MISSION

To accomplish its unique vision, the Institute has a far-reaching mission that aims:

- To offer higher education in Engineering and Technology with highest level of quality, Professionalism and ethical standards
- To equip the students with up-to-date knowledge in cutting-edge technologies, wisdom, creativity and passion for innovation, and life-long learning skills
- To constantly motivate and involve the students and faculty members in the education process for continuously improving their performance to achieve excellence.

DEPARTMENT OF MECHANICAL ENGINEERING

VISION

Recognized nationally for its quality education, research and extension programmes in Mechanical Engineering

MISSION

- Producing technically competent and socially responsible mechanical engineers by imparting knowledge of cutting edge technologies and contemporary issues.
- Encouraging students for active participation in Co-curricular and Extra-curricular activities.
- Motivate students to pursue higher studies and research.
- Establish centres of excellence in promising fields of Mechanical Engineering.
- Develop linkages with industries, R&D organizations and leading educational institutions in India and abroad for achieving excellence in teaching, research and consultancy activities.

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RIT ARC



SAEINDIA

RIT MECHANIZO & SAEINDIA INAUGURATION

- Student Technical Association “RIT MECHANIZO” and RIT SAEINDIA Collegiate Club 2018 – 2019 was inaugurated on July 28, 2018. Dr.M.Udhayakumar, Dean–International Relations, SAEINDIA Management Committee Member, SAEINDIA Southern Section was the chief guest for this inaugural function



INDIAN WELDING SOCIETY INAUGURATION



The Department of Mechanical Engineering of Ramco Institute of Technology, Rajapalayam have organised an Inaugural function of RIT-IWS 2018-2019 on January 03, 2019. The Chief Guest Mr.A.Maruthamuthu, Chairman (IWS, SZ) & General Manager (DTG), Bharat Heavy Electricals Limited, Tiruchirappalli has delivered the inaugural address. Mr.N.Rajasekaran, Hon.Secretary (IWS) & DGM (Unit II), BHEL, Tiruchirappalli and Mr.R.Ravibharath, Hon.Treasurer (IWS, SZ) & Deputy Manager (WRI), BHEL, Tiruchirappalli have offered felicitations.





ISHRAE

ISHRAE INAUGURATION

Ramco Institute of Technology(RIT), Rajapalayam organized the inaugural function of RIT -ISHRAE & PACR-ISHRAE on August 20, 2018. The chief guest is Mr.S.Arul, Owner and chief MEP Design engineer, Arul design, Chennai. The welcome address was given by Dr.V.Sivakumar, AP (SG)/ Mech, and the presidential address was given by Dr.N.Jawahar, Principal- RIT. Dr.S.Rajakarunakaran, Vice-principal - RIT, honored the chief guest. The multi dimensions of ISHRAE in students career was explained by the chief guest during the chief guest address. Then the chief guest chartered both student chapters RIT -ISHRAE in Ramco Institute of Technology and PACR - ISHRAE in PAC Ramasamy Raja Polytechnic College. Mr.Ilangumaran, Head of R & AC Dept. - PACR, Mr.Ahilan (ISHRAE Bangalore), Mr.Saveridhas (ISHRAE Madurai) and Mr. Satish (ISHRAE Madurai) were gathered and beautified the program. Finally Mr.N.L.Sujin, AP/ Mechanical thanked the chief guest and the gathering. The arrangements were done by Mr. N.L.Sujin, AP/Mech, Dr. V. Sivakumar, AP (SG)/Mech



STUDENT ACHIEVEMENTS

SUVC CHAMPIONSHIP

- Team 'RIT Phoenix' participated in Saurya Urja Vehicle Championship 2017 - 2018 (SUVC' 17-18) organized by Refrangible Society of Technophile Engineers (RSTE) held at City Mela Ground, Gwalior, Madhys Pradesh between May 26-30, 2018. RIT Phoenix had won 'Best Auto Cross Award' with a cash worth of Rs.10,000/-, 'Best Acceleration Award',



INDIA SKILLS 2018 MECHTRONICS SKILLS

- Karthik@Siva,. K. Vignesh of III Year Mechanical Engineering and S.Nirmal Kumar and D. Vignesh of IV Year Mechanical Engineering participated in Regional round of "Indiaskills competition Mechatronics Skills" in Bangalore International Exhibition Centre, Bangalore during June 20 - 23, 2018. This competition was conducted by NSDC. Our students secured 4th place in this round



VIRTUAL ROUND OF ESVC 2019

- Team 'RIT Phoenix' which includes 26 student members from Department of Mechanical Engineering and 4 student members from Department of Electrical and Electronics Engineering. Among these, 21 students had participated in Pre virtual & skill Development Program under the guidance of Mr.G.Prabu ram, AP(SG)/Mech and Mr.R.Arun Kumar, AP/Mech organized by Imperial Society of Innovative Engineers (ISIE) held at KL University, Vijayawada, Andhra Pradesh July 20–22, 2018.



SRIJAN COMPETITION

- G.Dhalapathi, IV Year Mechanical student won First Prize in SRIJAN (Station Rejuvenation Initiative by Joint Action) Competition and Logo Design & Punchline Creation Contest conducted by Indian Railway Station Development Corporation (IRSDC) and MyGov on August 10, 2018.



Mr.Virudhunagar Body Building Competition

- G.Kalyana Sundaram of IV Year Mechanical and V. Sanjay Rajan of III Year Mechanical got awarded in Mr.Virudhunagar Body Building Competition held in ANUT Mahal, Virudhunagar on August 12, 2018. G. Kalyana Sundaram got 5th position in 60kg category and V. Sanjay Rajan got 4th prize in 55kg category



Editorial Team in Sarkar Movie

- B.Stalin Kanthimathi, II Year Mechanical Student got the opportunity to work in Editorial team of Movie Sarkar Produced by Sun Pictures.

HCL Madurai Hackathon

- V.Muralidharan, V.Karunakaran, A.Mukamed Ismail Buhari of III Year Mechanical Students cleared the preliminary round and participated in “Grand Finale of HCL Madurai Hackathon” conducted by HCL Madurai during August 25–28, 2018.

Tour India 2018 by National Geography Washington

- B.Stalin Kanthimathi of II Year Mechanical Student shortlisted as one of the Top 10 contestant of Tour India 2018 Truck organised by National Geography, Washington during September 19–26, 2018.

Vidyatechfest'18

- R.Pranav Ram of IV Mechanical student got first prize in Paper Presentation in Vidyatechfest'18 conducted by Sri Vidya College of Engineering, Virudhunagar during September 01, 2019.

Kerala Flood Relief Documentary

- B. Stalin Kanthimathi of II Year Mechanical Student got the opportunity to work in Kerala Flood Relief Documentary conducted by Ministry of Foreign Affairs, India on September 26, 2018.

MECHNIX 2K18

- M.Yogeshkumar & J. Veeraiah (Aqua Missile– 2nd Prize), (Ping Pong 2nd Prize), P. Sankar Bharathi (Aqua Missile– 1st Prize), (Ping Pong 2nd Prize) R.Dhanushram, G.Gowtham, A.S.Lakshmi Narayana Raja, S. Madhu Suba Rakis, C. Jeeva Ganesh of IV Year Mechanical Students participated in MECHNIX 2K18 – A National Level Technical Symposium Organised by Department of Mechanical Engineering, Dr. Sivanthi Aditanar College of Engineering, Tiruchendur during September 27–28, 2019.

20th All India open Karate Championship – 2018

- R.Promod Muthuram of II Year Mechanical Student secured 2nd Place in Individual Karate in 20th All India open Karate Championship – 2018 conducted by Japan Shito Ryu Karate Do Kai India Senbukai, Bangalore, Karnataka on October 07, 2018



Open State 3rd MR & MS Muscle Mania- 2018 (Junior/ Senior/ Women Body Building & Fitness Champion)

- V. Sanjay Rajan of III Year Mechanical Student secured 7th place in the 60 kg, G. Kalyana Sundaram of IV Year Mechanical Student secured 6th place in the 70 kg in “Open State 3rd MR & MS Muscle Mania-2018 (Junior / Senior / Women Body Building & Fitness Champion)” conducted by Nehru Group of Institutions & Tamil Nadu Fitness Association, Coimbatore on October 14, 2018



Lifetime Membership Contract meet

- Mr.M.Thojesh Nandha of I Year Mechanical student is representing the Team ‘Tamil Nadu’ for Lifetime Membership Contract meet to be held in Rio-de-Janirio in November 2020 organized by Nat Geo Wild channel.

31st State Junior Kyorugi & 8th State Junior Poomsae Taekwondo Championship – 2018

- S.Sangili Kumar of I Year Mechanical Student Won Gold Medal in “31st State Junior Kyorugi & 8th State Junior Poomsae Taekwondo Championship – 2018” conducted by Thoothukudi District Amateur Taekwondo Association at SDAT– Indoor Stadium, Thoothukudi during November 24–25, 2018.

Treasure Hunt event in Yuva Youth Fest 2018

- V. Sunil Prabha of II Year Mechanical student won First prize in Treasure Hunt event in Yuva Youth Fest 2018 organised by Kongu Engineering College, Erode during December 27–28,2018.

ICTACT STUDENT INNOVATORS 2018

- P. Suresh Kumar, R. Sri Raman, K. S. Pon Rahavan, S. Saravana Kumar, M.Vignesh of IV Mechanical students secured First Prize (with cash prize of Rs.15,000) in ICT Academy Student Innovator Award 2018– Project Titled “Prevention Aid for Plantain Tree Farming” under the category Mechanical & Automobile conducted by ICT Academy in association with Jeppiaar Engineering College during January 09, 2019.



Mechatronics- SAE TIER-II Event

- S. Harish Kumar, P. Karpagarajan, M.Kathiresan and S.Mohamed Meeran of IV Year Mechanical participated and won first prize in Mechatronics in SAE TIER-II event conducted by SAE India Southern section in association with Velammal College of Engineering and Technology, Madurai on February 01,2019.

V Rural Games Federation Cup- 2019 in the group of RGFI (Basket Ball Under 19)

- J. Harrish, S. Riswanth, M. Mohammed Ashraf of I year Mechanical, K. Venkatesh Siva, A. Surendra Perumal of II year Mechanical are secured first Position in V Rural Games Federation Cup- 2019 in the group of RGFI (Basket Ball Under 19) organised by Tamil Nadu Rural Games Association held at Pallavan College of Engineering, Thimmasamuthiram, Kanchipuram District during February 01-03,2019.

Best Humanitarian Award

- A.Dhinesh Raja of III year Mechanical student received Best Humanitarian Award from Vaima Educational cultural and social trust on February 11, 2019.



SUVC CHAMPIONSHIP 2019

- 40 members of RIT- PHOENIX and won first prize for their performance in the Virtual round in SUVC (Saur Urja Vehicle Championship) organised by RSTE (Refrangible Society of Technophile Engineers) and Hindusthan College of Engineering and Technology, Coimbatore during February 27- March 03, 2019.



innoWAH! An Innovation Competition

- G.S.Ajaykirubahar of IV year Mechanical, R.Gandhijikumar, S. Srijith, I. Upenthira of III Year Mechanical students and Mr.N.L.Sujin, AP/Mech got a cash prize of Rs.5,000 innoWAH! An Innovation Competition for the topic “Performance Enhancement of HC Blend Domestic Refrigerator Using Phase Changing Material” organised by PALS at IIT Madras during February 28, 2019.



STUDENT PARTICIPATION

- V.Sunil Prabha, II Year Mechanical student and M.Muthukrishnan, II Year ECE student had participated in “**AURCT IEDP Student Representatives Meeting**” during July 13 –14,2018 held in Anna University Regional Campus, Tirunelveli. During the meet, importance of starting an ED-Cell, marketing, fund – raising, characteristics of leadership and preparation of activity calendar were given as input for the students.



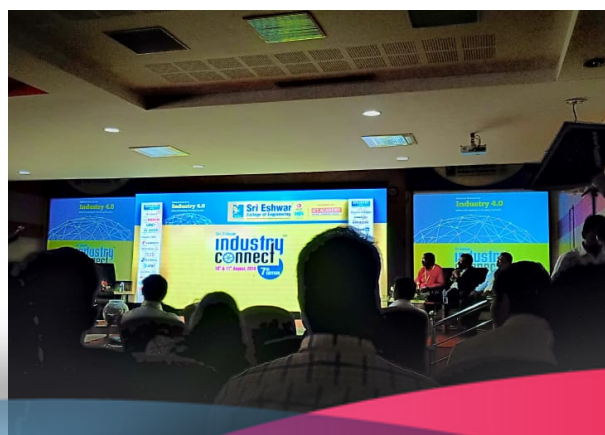
- J.Jaichith, IV year Mechanical Engineering student participated in “**Agri Intex – 2018**” conducted by CODISSIA, Coimbatore on July 14, 2018. Various agro product manufacturers displayed and demonstrated their products in the expo.



- S.Vanniaperumal, III Year Mechanical student , J.Jaichith, E.Selva Kumar and G.Poneelan, IV Year Mechanical students participated in “ **Customer Relationship Management program**” conducted by Tamil Nadu Chamber of Commerce & Industry, Madurai on July 21, 2018.



- R.N.Srivignesh IV Mechanical Student participated in three days “**Hands on program on Design and Development of KARTS**” organised by V V College of Engineering, Tisaiyanvillai during August 09–11, 2018.
- P.S.Al Ameen, G.Dhalapathi, V.Gowtham Chakaravarthi IV Year Mechanical Students attended a workshop on National Level Summit “**Industry Connect 2018**”– “**Industry 4.0 – Where the Industry is heading towards....**” Conducted by Sri Eshwar College of Engineering in Association with ICT Academy of Tamil Nadu (ICTACT) on August 10, 2018



- M.P.Hari, B.Manoj Guru Moorthy, M.Mohamed Siddiq of III Year Mechanical students presented a paper in **ENXENEIRO'18 National Level Technical Colloquium- Paper Presentation Vertical Windmill** organised by Kamaraj College of Engineering & Technology during September 11-12, 2018.
- I.Mohamed Abrar of II year Mechanical student participated in National Level **Workshop on Fundamentals of Tribology, Tribonix, Paper Presentation, Industrial Drawing Reading events in YUGNAX 2K18** conducted by National Engineering College, Kovilpatti during September 11, 2018.
- M.Alagu Udhayakumar, M.Muthupandi of III Year Mechanical students, S. Srinivash, S. Rama Gopal, M. Vignesh, K. P.Srenivasen of IV Year Mechanical students participated in **ENXENEIRO'18 National Level Technical Colloquium** organised by Kamaraj College of Engineering & Technology on September 12, 2018.
- N. Gokulakrishnan, III Year Mechanical student attended a **Workshop on AI and Deep Learning** conducted by RIT and NVIDIA Research Bennett University, Noida during September 14-16, 2018.



- A.Santhana Kumar and S.Vannia Perumal, III Year Mechanical Students and V. Sunil Prabha II year Mechanical Student have participated in "**Tamil Nadu State Student Innovators**" conducted by EDII Hub AURCT in Anna University Regional Campus, Tirunelveli on October 16, 2018.
- A.Muhamed Ismail Buhari and A.Samundeeswaran of III year Mechanical students participated in "**tHINK cREATE eENGINEER**" by PALS & Aidvision at IIT Madras during December 19–22, 2018.



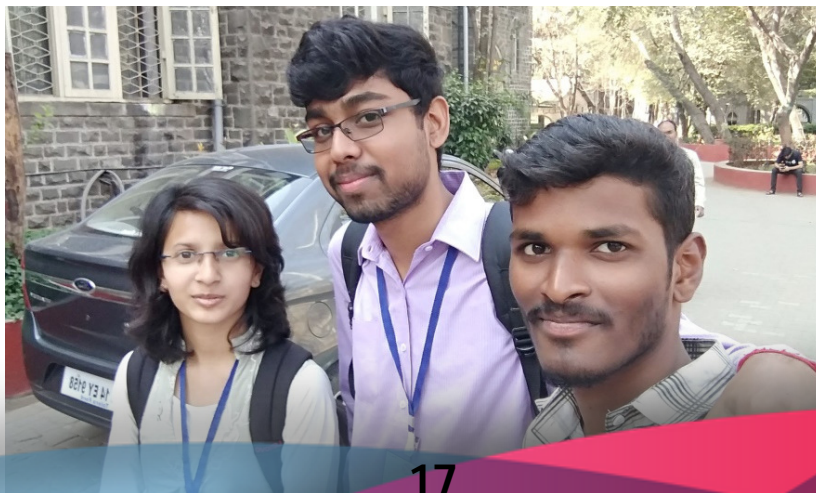
- R.Pranav Ram, S.Ramesh and J.Veeriah of IV Year Mechanical students, T.Karthick@Siva, M.harrish, A. Dhinesh Raja of III Year Mechanical students presented paper in "**6th International Conference on Business Analytics and Intelligence 2018 organised by IISC, Bangalore**" during December 20–22,2018.
- Ashok Babu B, Balakumaresan S, Bharath Kumar R, Chandra Mohan P and Jaichith J of IV Year Mechanical students participated in "**AI Internship at Bennett University, Noida**" during December 20, 2018–January 18, 2019.



- M.D.Janani Sudha, IV year Mechanical student participated in "Lecture Meeting Electric Cars- Technology Business and Policy Perspectives" by Mr. S. Shanmugam, Director, Design Desk (India) Pvt. Ltd conducted by Mepco Schlenk Engineering College, Sivakasi on January 04, 2019
- A.Santhana Kumar, III Year Mechanical student attended a two day workshop on "Business Plan Preparation" organised by AURCT- IEDP HUB, Tirunelveli and EDII, Chennai during January 10-11, 2019.



- K.Chinnadurai, M.Sankaran, K.Sivagurunathan, P.Sivakumar of III year Mechanical students participated in "**Automeet 19 – Workshop**" conducted by MIT, Chennai during February 08–09, 2019.
- S.Naveen Kumar, M.Raghul, S.Santhosh, G.Sankara Kannan of III year Mechanical students participated in "**EDII Programme on TNSI Ideation Camp**" organised by AURCT– IEDP Hub, Anna University Regional Campus, Tirunelveli during February 06, 2019
- S.Santhosh, M. Thojeh Nandha, G. Vengatesan, K. Seenivasan, S.Ram Hari Prasad, T.Ram Kumar, P.Rajasekar, R.Ram Kumar of I Year Mechanical students attended "**GYAN MITRA'19 a National Level Techno – Management Symposium**" conducted by Mepco Schlenk Engineering College, Sivakasi during February 08–09, 2019
- S.Nishanth of I year Mechanical student participated in "**KAVIGAI'19 –Intercollegiate Meet Freeze (Photography)**" at Lady Doak College, Madurai on February 15, 2019.
- M.Harrish of III Year Mechanical student and J.Veeraiah of IV year Mechanical student participated in "**Intech Olympiad 2019**" conducted by College of Engineering, Pune on February 16, 2019



- M.P.Hari, G.Manoj Guru Moorthy of III year Mechanical student presented a paper in "METIQUEST 2K19" conducted by Government College of Engineering, Tirunelveli on February 28, 2019
- N. Thiruvissagan, N. Sankara Chelliah, P. Suresh Kannan, E.Thirumalai Kumar, S. Tamil Selvan, R. Vishnu Kumar of II year Mechanical students participated in "one day programme on Heat Treatment Processes their & Applications organised by The Indian Institute of Metals" Tiruchirappalli Chapter Student Chapter of IIM @ BIT Campus & Welding Research Institute, Anna University , Tiruchirappalli on March 01, 2019.
- ·S.Sabarish, M.Vinith Abishek of II year Mechanical students attended a program on "Recent Trends in Automobile Engineering 2K19" conducted by K.Ramakrishnan College of Technology, Trichy on March 01,2019.

SPORTS

- K.Muthu Krishnan, II Year Mechanical Student participated in **Zonal Level Chess Competition** organised by Kalasalingam Institute of Technology during August 16–17, 2018



- P.Senthil Ram, and V.Rijith Kumar II Year Mechanical Students participated in **Zonal Level Cricket Match** organised by Anna University during September 17–20, 2018



- S. R. Jegeesh Kumar, I Year Mechanical Student participated in Anna University **Zonal Level Handball Match** organised by Dr. Sivanthi Adithanar Engineering College, Tiruchendur during September 25–26, 2018
- R. Mugesh Jailsingh, IV Year Mechanical Student participated in **Football Match** organised by SCAD College of Engineering and Technology, on September 26, 2018



- S. Vemburaj and I. Upenthira of III Year Mechanical Students and S. Rangaraj of IV Year Mechanical Students participated in **Zonal Level Hockey Match** organised by National Engineering College, Kovilpatti during October 06–07, 2018

- S. Rishwanth of I Year Mechanical student participated in **Under 19 – V Rural Games Federation Cup – 2019** conducted by Tamil Nadu Rural Games Association and Pallavan College of Engineering, Kanchipuram on February 03, 2019.
- S. M. Puvanesh of III Year Mechanical student participated in **Zonal Level Tournaments– Table Tennis** conducted by Dr.Sivanthi Aditanar College of Engineering during August 07–08,2018.
- M. Dinesh Kumar (Captain), K.Hari Prasath, V. S. Karthikeyan, S.H.Mohamed Yusuff of Final year Mechanical Engineering students, K.Vigneshwar of III year Mechanical students participated in **Anna University Zone – 18 Volleyball Tournament** organised by V. V. College of Engineering, Tisaiyanvilai during August 28–29, 2018



STUDENT INDUSTRIAL VISIT

- Students of II Year Mechanical Engineering visited **The RAMCO cements Limited**, R. R. Nagar an Industrial Visit on June 29, 2018. During the visit, the students attended the session like an introduction about the plant, common control room, Vertical Roller Mill (VRM) section and the safety precautions to be taken while being inside the plant. The students also visited various sections in the industry.



- Final Year Mechanical Engineering Students visited **Srinivas Elastomers India Pvt Ltd, Hosur** and **Elkayem Auto Ancillaries Pvt Ltd, Hosur** during July 12–13, 2018. Mr.S. Maharajan, AP /Mech, Mr. R.Prabhakaran, AP/Mech, Mr.M.Lakshmanan, AP(SG) /Mech and Mr. T. Selva S undar, AP/Mech coordinated this Industrial Visit.



STUDENTS IV

- Third Year Mechanical 'A' section Students undergone two day Industrial Visit in **BEML, Mysore** during July 14-15, 2018. Mr. C. Gururaj, AP(SG) / Mech and Mr. R.Venkatesh, AP/Mech was the faculty coordinators for this visit.



- Third Year Mechanical 'B' section students undergone two days Industrial Visit in **HMT Machine tools, Bangalore and HAL Museum, Bangalore** during July 14 - 15, 2018. Mr.M.Ashokkumar, AP(SG)/Mech and Mr.L.Karthikeyan, AP/Mech was the faculty coordinators for this visit.



STUDENTS IV

- Indian Welding Society enrolled students of Mechanical Engineering visited **Welding Research Institute, Trichy** on September 08, 2018. Mr.S.Maharajan, AP/Mech and Mr.C.Gururaj, AP(SG)/Mech coordinated this visit



- Second Year Mechanical Students visited **HMT Machine Tools, Bangalore** during September 08–09, 2018. Mr.L.Karthikeyan, AP/Mech, Mr.K.Amudan, AP/Mech, Mr.S. Valai Ganesh, AP/Mech and Mr. T. Selva Sundar, AP/Mech coordinated this Industrial Visit.



STUDENTS IV

- To get the idea about the real world application of refrigeration and air conditioning, our ISHRAE student members visited **Sri Elumalai cold storage and Thirupathi Devasthanan Marriage hall** as their industrial visit on February 13, 2019. Mr. N. L. Sujin, AP /Mech and Mr.K.Vigneshwaran, AP/Mech were the Faculty Coordinators for this visit.



SAEINDIA TIER I EVENTS

TECHNICAL PAPER PRESENTATION

Technical Paper Presentation was conducted on August 23, 2018 at Mechanical Seminar Hall. 12 students from SAE participated in this event. The winners are S. Maharajan & S. L. Lal Krishna from II Year Mechanical Engineering. The Runners are V. Sunil Prabha & K. Shanmugam from II Year Mechanical Engineering



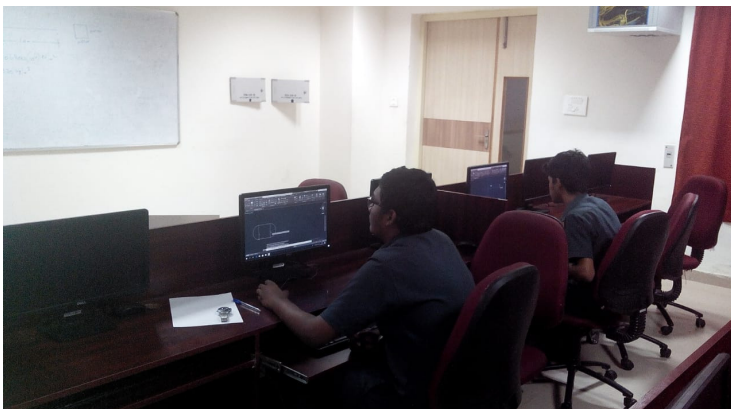
WELDING

Welding was conducted on August 30, 2018 at Mechanical Workshop. 20 students from SAE participated in this event. The winners are S.GaneshKumar & G.Karan kumar. The Runners are K.Thirumalaivel & S.Balaji



CAD DESIGN

CAD Design was conducted on September 04, 2018 at Mechanical CAD Lab. 27 students from SAE participated in this event. The winner is V Sunil Prabha, The Runner is K Shunmugam



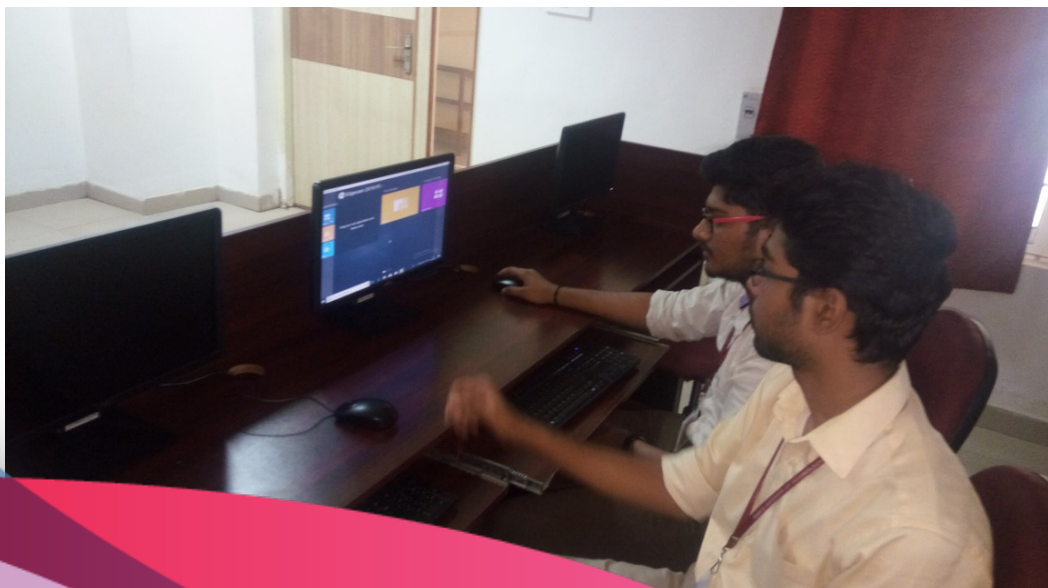
CNC MILLING

CNC Milling was conducted on September 05, 2018 at CAM Lab. 5 Teams from SAE participated in this event. The Winners are R.Sharinraja, P.Senthil Kumar M. Sureshmoorthy & M.Vigneshwaran, The Runners are K.S.PonRahavan, M.Vignesh, R.Sriraman, K.S.Shyam



CNC TURNING

CNC Turning was conducted on September 05, 2018 at CAM Lab. 6 Teams from SAE participated in this event. The Winners are V. Kannan & M. Harish, The Runners are J. Aravind & S. Ramar



Sheet Metal was conducted on September 08, 2018 at Mechanical Workshop. 12 students from SAE participated in this event. The winners are V.Deepak kumar, M.Deepak Vishnu & S.Essaki. The Runners are D.Chandru, S.Essaki Eswar, R.Manoj kumar



GROUP DISCUSSION

Group Discussion was conducted on September 10, 2018 at Classroom XXII. 12 students from SAE participated in this event. The winner is A.M.Ramnath, The Runner is K.Hariharan



BUSINESS PLAN

Business Plan Competition was conducted on September 10, 2018 at Classroom XVIII. 15 students from SAE participated in this event. The winners are P.Keerthana, S.Malar Mannan and K. Hariharan. The Runners are E. Selva Kumar, M.Sathish Kumar & R.Rakesh



AUTOQUIZ

Auto Quiz Competition was conducted on September 11, 2018 at Classroom XVIII. 27 students from SAE participated in this event. The winners are M.Deepak Vishnu, V.Deepak Kumar and V.Jothi Krishna. The Runners are M.Harish, V.Kannan & R.Kowshik Shrinivas



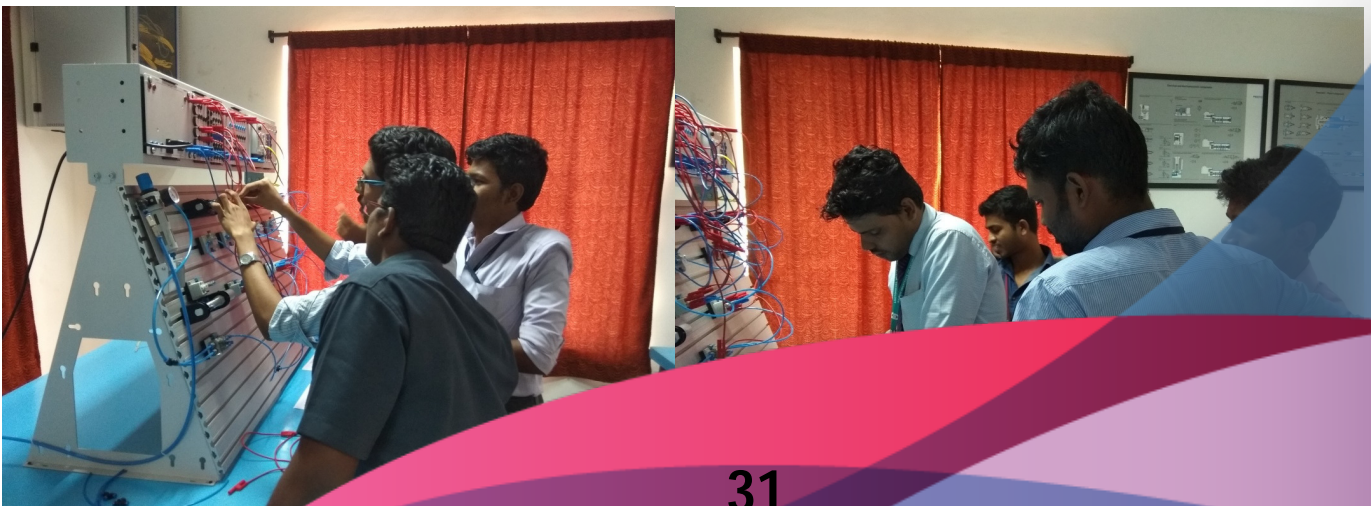
SAEINDIA MATERIAL IDENTIFICATION

Material Identification was conducted on September 13, 2018 at Classroom XXII. 10 students from SAE participated in this event. The winners are S.Harishkumar & M.Kathiresan, The Runners are K.P.Srenivasen & S.Srinivash



MECHATRONICS

Mechatronics was conducted on September 18, 2018 at Mechatronics Lab. 12 students from SAE participated in this event. The winners are G. S. Ajaykirubahar, P. Karpagarajan, S.Mohamed Meeran and S. Harish Kumar, The Runners are A.Manoj, M.Mohan Raj, K.Muniyaraj & M.Nilavarasu



FACULTY PARTICIPATION

A to Z of 3D Printing

Mr.R.Prabhakaran , AP/Mech and Mr.K.Amudhan, AP/Mech attended one day Course on “A to Z of 3D Printing” organized by Computer society of India, Chennai Chapter Jointly with IEEE computer society, CIT Campus, Chennai on April 7 , 2018. This course focused on the enabling technology that encourages and drives innovation with unprecedented design freedom while being a tool-less process that reduces prohibitive costs and lead times.



FDP On Product Design Engineer

Mr.R.Venkatesh , AP / Mech ,
Mr.R.Prabhakaran , AP / Mech,
P.Ganesan Technical / Mech
has participated in Three Days
Faculty Development Program
on “Product Design Engineer”
conducted by ICT Academy
during April 26–28,2018 held at Kamaraj College of Engineering and
Technology, Madurai.



STTP on Composite Structures: Theory, Manufacturing, Mechanics and FE Modelling

Mr.J. Jerold John Britto , AP (SG)/Mech , Mr. C. Gururaj , AP(SG)/Mech
and Mr. G. Prabu ram, AP(SG)/Mech participated in five day Short-term
training programme on “Composite Structures: Theory, Manufacturing,
Mechanics and FE Modelling” conducted by Mepco Schlenk Engineering
College, Sivakasi during May 07–11, 2018.



FDP On 8051 Microcontroller and its applications

Mr.S.Valai Ganesh, AP/Mech and Mt.T.Selva Sundar , AP/Mech participated in five days faculty development program on “8051 Microcontroller and its applications” conducted by National Institute of Technical Teachers Training Institute and Research (NITTTR) , Chennai during May 14–18, 2018.



FDP On Design of Machine Elements

Mr.J. Jabinth, AP/Mech participated in seven day FDP on “ME6503 – Design of Machine Elements” at Department of Mechanical Engineering, conducted by CEG Campus Anna University during May 25–31, 2018. Around 25 members took part in this plan. Design experts like Dr. S. Md. Jalaludeen, Dr. Ratnakumar Annabattula (IITM), Dr. Vinodh Jebaraj (VIT), Dr. V. Sundareswaran, Dr. R. Ramesh (SVCE) handled the session.



AI and Deep Learning

Mr.S.Valai Ganesh, AP/Mech participated in three days' workshop on "AI and Deep Learning" conducted by Saintgits College of Engineering in association with Bennet University during June 25-27,2018. Prof.Deepak Garg was the resource person for this workshop.



Siemens PLC S7-400

Mr.S.Valai Ganesh, AP/Mech attended a training programme in "Siemens PLC S7-400" conducted by Advance Training Institute, Chennai during May 28- June 01, 2018. Mrs.S.Rajni was the resource person for this training programme. Ladder Program in TIA Portal, Timers, counters, internal relays and applications of PLC was explained in this program



TVS Training & Services Ltd

Mr.M.Ashok Kumar, AP(SG) /Mech, Mr.L.Karthikeyan, AP/ Mech, Mr.M.Sivagaminathan@Balaji, AP(SG)/Mech, Mr.R.Arun Kumar, AP/Mech have undergone a five days Industrial Training Program in “TVS Training & Services Ltd.”, Chennai from June 25–29, 2018. During this training they have learnt about Engine and engine transmission system.



Startup Policy and Skill Development for Employment

Mr.R.Arun Kumar , AP/Mech and Mr.J.Jaichith, IV Year Mechanical student attended a one day conference on “Startup Policy and Skill Development for Employment” organized by Anna University, Chennai on July 10, 2018. ‘How to Entrepreneurial skills among the students?’ was the core discussion in the conference.



Virtual BAJA Presentation

Mr.P.Sureshkumar, AP (SG)/Mech, Mr.J.Jerold John Britto, AP(SG)/Mech attended “Virtual BAJA Presentation” with RIT BAJA team in Chitkara University, during July 11–13, 2018



FDP on Student Induction Program

Mr.M.Lakshmanan, AP(SG)/Mech attended three day FDP for “Student Induction Program” for AICTE approved Institutions conducted by Francis Xavier Engineering College, Tirunelveli during July 26–28, 2018.



Emerging Trends in Automotive Sector

Mr.J.Jerold John Britto, AP/ Mech participated in One Day Workshop on “Emerging Trends in Automotive Sector” conducted by Society of Automotive Engineers India, Southern Section, Madurai Division (Hotel Thangam Grand, Madurai) on August 24, 2018.



Innovative Approaches for Teaching and Evaluation

Mr.S.Godwin Barnabas, AP(SG)/Mech participated in the Knowledge Sharing Program on “Innovative Approaches for Teaching and Evaluation” at Hotel Royal Court, Madurai on August 24, 2018.



Industry 4.0 & Smart Manufacturing

Mr.S.Valai Ganesh, AP/ Mech, Mr.T.Selva Sundar, AP/ Mech participated in one day workshop on “Industry 4.0 & Smart Manufacturing” conducted by Dr.NGP Institute of Technology, Coimbatore on September 09, 2018. The various modules of Industry V4.0 like IoT, AI, Cloud Computing was discussed during the workshop,

AI and Deep Learning

Mr.T.Selva Sundar, AP/Mech and Mr.N.Gokulakrishnan, III Year Mechanical Engineering Student participated in three day workshop on “AI and Deep Learning” conducted by Bennett University, Noida in association with RIT during September 14–16, 2018. Faculty get trained in image classification and detection, face recognition techniques during this workshop



Top Management Meeting

Dr.S.Rajakarunakaran, Prof/Mech participated in “Top Management Meeting” organised by EDII Chennai & AURCT-IEDP Hub, Anna University Regional Center, Tirunelveli on September 28, 2018.



Application of outcome based education

Mr.J.Jabinth AP/Mech, Mr.R.Arun Kumar, AP/Mech, Dr.S.Rajakarunakaran, Prof/ Mech presented a paper titled "Application of outcome based education for continual quality improvement case study of Principles of management" in International Conference on Recent Trends in Engineering Education (ICRTEE 2K18) organized joint by National Institute of Technical Teachers Training and Research (NITTTR) Chennai during October 05,2018

e-Yantra Lab Setup Initiative (eLSI)

Mr.S.Valai Ganesh, AP/ Mech participated in two day workshop on IIT Bombay “e-Yantra Lab Setup Initiative (eLSI)” organised by IIT Bombay in association with CMR Institute of Technology, Bengaluru during October 05-06, 2018. The major topics covered in this workshop are Introduction to Firebird V 2560 Robot, AVR Micro-controller.



Digit @ All Sangamam Confluence of Technology & consumer

Mr.P. Sureshkumar, AP(SG)/Mech, Mr.J. Jerold John Britto, AP/Mech, Mr.C. Gururaj, Ap/Mech and Mr.S. Valai Ganesh, AP/Mech, participated in “Digit @ All Sangamam Confluence of Technology & consumer” organised by Tamil Nadu Chamber of Commerce & Industry, Madurai on October 13, 2018.



IITM Incubation Cell

Mr. M. Lakshmanan, AP (SG) / Mech, Mr.M. Santhana Maruthu Pandian, AP/Mech, Mr.R. Arun Kumar, AP/Mech, X. Praveen Austin, S.Saravana Kumar, R. Sri Raman, P. Sureshkumar, M. Vignesh of IV Year Mechanical Students visited “IITM Incubation Cell” in IIT Madras on October 22, 2018



Climate change emerging solutions

Mr.M. Sivagaminathan alias Balaji, AP(SG)/ Mech and Mr.N.L. Sujin, AP/Mech participated in one day conference on “Climate change emerging solutions” conducted by ISHRAE Madurai Chapter on October 26, 2018.



Revised Assessment & Accreditation Framework

- Mr.P. Sureshkumar, AP(SG)/Mech participated in one day workshop on “Revised Assessment & Accreditation Framework of NAAC” conducted by Ramakrishna Mission Vivekanandha Educational and Research Institute & IQAC, Coimbatore on October 27, 2018

Tractor Design Competition

- Mr.R.Venkatesh, AP/ Mech attended Three day Faculty Advisers Forum & Workshop on "Tractor Design Competition" conducted by Valliammai Engineering College, Chennai during October 29–31, 2018



Recent Advancement in Solar Energy Conversion and Storage

•Dr.V.Sivakumar,AP(SG)/Mech,Mr.R.Arun Kumar,AP/Mech, Mr.N.L.Sujin, AP/Mech, Mr.M. Sivagaminathan alias Balaji, AP(SG)/Mech and Mr.K.Vigneshwaran, AP/Mech participated in three day workshop on “Recent Advancement in Solar Energy Conversion and storage” organised by MepcoSchlenk engineering College (Autonomous), Sivakasi during November 12–14,2018



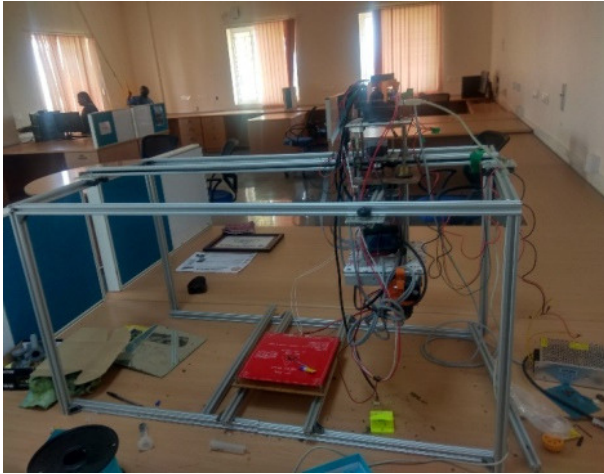
Advances in Materials and Processing Technologies

• Mr.G.Prabu ram, AP(SG)/Mech participated in a seven day TEQIP III sponsored FDP on “Advances in Materials and Processing Technologies” was attended during November 12–18, 2018



VISIT TO SASTRA UNIVERSITY

- Mr.P.Sureshkumar, AP(SG)/Mech visited “Sastra University” for getting information to establish Innovation Centre in RIT during November 19, 2018



Faculty Development Programme on Entrepreneurship

Mr. M. Santhana Maruthu Pandian, AP/Mech attended NSTEDB / DST / Gol Sponsored Faculty Development Programme on Entrepreneurship organised by Technology Business Incubator at Kongu Engineering College, Erode in association with EMDC / KEC during November 19–December 01, 2018



Entrepreneurship, Innovation & Incubation

- Mr.R.Arun Kumar, AP/ Mechanical participated in a two week Faculty Development Programme on “Entrepreneurship, Innovation & Incubation” organised by Vellore Institute of Technology–Technology Business Incubator (VITTTBI), Vellore during November 26– December 08, 2018



Energy Conservation and Energy Audit

Mr.K. Vigneshwaran, AP/Mech participated in Induction/Refresher Programme on "Energy Conservation and Energy Audit" conducted by M.Kumaraswamy College of Engineering during November 26– December 01, 2018



Principles and Applications of Transmission Electron Microscopy

- Mr.J.Jabinth, AP/Mech attended in a Two-day workshop on “Principles and Applications of Transmission Electron Microscopy” conducted by SRM University during November 27–28, 2018



Multi physics Analysis Through COMSOL

- Mr. C. Gururaj, AP(SG)/Mech attended a workshop on “Multi physics Analysis Through COMSOL & Writing a Research Paper” conducted by Mepco Schlenk Engineering College (Autonomous) Sivakasi during November 28–30, 2018



Strength of Materials for Mechanical Engineers

- Mr.K.Amudhan, AP/Mech participated in the Two-Week Faculty Development Training Programme (FDTP) on “CE 8395 – Strength of Materials for Mechanical Engineers” from 26th November to 09th December, 2018 organized by Department of Mechanical Engineering, University College of Engineering, Nagercoil



Faculty Development Programme

- Mr.P. Sureshkumar, AP(SG)/ Mech, Mr.M. Ashok Kumar, AP(SG)/Mech attended a Faculty Development Programme on Teaching Learning Process organised by Teaching Learning Centre, IIT, Madras during December 03-05,2018

Scanning and Transmission Electron Microscopy

- Mr.G.Prabu ram, AP(SG)/Mech participated in a GIAN course on “Scanning and Transmission Electron Microscopy: basics and applications to low dimensional structures” – (Course Code: 176020B07) conducted by Crystal Growth Centre, Anna University, Chennai during December 03–12, 2018

Faculty Visit

Mr.P.Sureshkumar, AP(SG)/RIT visited IIT Madras Research Park and SRM University for getting ideas to establish Innovation centre during December 06–07, 2018



Recent Trends in Optimization

- Mr.M.Lakshmanan, AP(SG)/ Mech participated in a workshop on “Recent Trends in Optimization (RTIO)” conducted by SRM Institute of Science and Technology, Chennai during December 06–08, 2018

Machine Learning Techniques in Modern Manufacturing

- Mr.S. Valai Ganesh, AP/Mech and Mr.T. Selva Sundar, AP/Mech attended TEQIP III Sponsored One week “STC on Machine Learning Techniques in Modern Manufacturing” organised by Thiagarajar College of Engineering, Madurai during December 10–16,2018



Research and Development in Condition Monitoring of Rotating Machines

- Mr.J. Jerold John Britto, AP (SG)/ Mech attended a three day short term course on “Research and Development in Condition Monitoring of Rotating Machines” sponsored by TEQIP was organized by the Indian Institute of Technology, Indore during December 10 – 12, 2018



Effect of Heat Treatment on Formability of AA6082 by Single Point Incremental Forming Process

- Mr.S.Maharajan, AP/ Mech presented a paper in “7th International and 28th All India Manufacturing Technology, Design and Research (AIMTDR 2018)” Conference – Title: Effect of Heat Treatment on Formability of AA6082 by single Point Incremental Forming Process organised by Anna University, Chennai during December 13–15, 2018



Third National Finite Element Developer User's Meet -2018

- Mr.R. Venkatesh, AP/Mech participated in “Third National Finite Element Developer User's Meet -2018” organised by VSSC Trivandrum in association with Panimalar Engineering College on December 14, 2018



Material Testing and Characterization

- Mr.J.Jabinth, AP/Mech attended two days' workshop on “Material Testing and Characterization” held in National Institute of Technology, Tiruchirappalli on 14th and 15th December 2018

tHINK cREATE Engineer

- Mr.G. Prabu ram, AP(SG)/Mech participated in “tHINK cREATE Engineer” program conducted by IIT Madras by PALS & Aidvision 85, Chennai during December 19-22, 2018.



Inspiring Engineers through Innovation, Creative Models and Machines

- Dr.V.Sivakumar, AP (SG)/ Mech participated in “Inspiring Engineers through Innovation, Creative Models and Machines” program Organised by Indian Institute of Technology, Gandhinagar during January 08–12, 2019.



Best Library User

- Mr.M.Sivagaminathan@Balaji, AP(SG)/Mech awarded as “Best Library User” by Ramco Institute of Technology on January 11,2019

Faculty Development Programme

- Mr. M Ashok Kumar, AP(SG)/Mech attended a faculty development program organised by Brakes India, Padi during February 04–06, 2019.

The Future of Higher Education – Leadership Conclave

- Dr.V.Sivakumar, AP (SG)/ Mech participated in a workshop on “The Future of Higher Education – Leadership Conclave” conducted by Global Engineering and Management Academy, Kumaraguru College of Technology and AICTE during February 13–14,2019.

Mr. N.L. Sujin, AP/Mech, Mr. P. Prabhakaran, AP/Mech and Mr. R. Venkatesh, AP/Mech have undergone three days Industrial Training in “**The RAMCO cements Limited**”, R.R.Nagar during June 12–14, 2018. Faculty members got exposure in the various processes like cement processing and the maintenance strategies followed in the industry.



Mr.S.Valai Ganesh, AP/Mech and Mt.T.Selva Sundar, AP/Mech, Faculty members of Mechanical Engineering Department undergone three days Industrial Training in “**Vridhimaritime Private Limited**”, Chennai during June 13–15, 2018. First day of visit started with the various components in marine ships in their office. Day two and three faculty members visited IMO 9075682 ship in Ennore Kamaraj Port.



RAMCO INSTITUTE OF TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING

100% Result (May/June 2018)

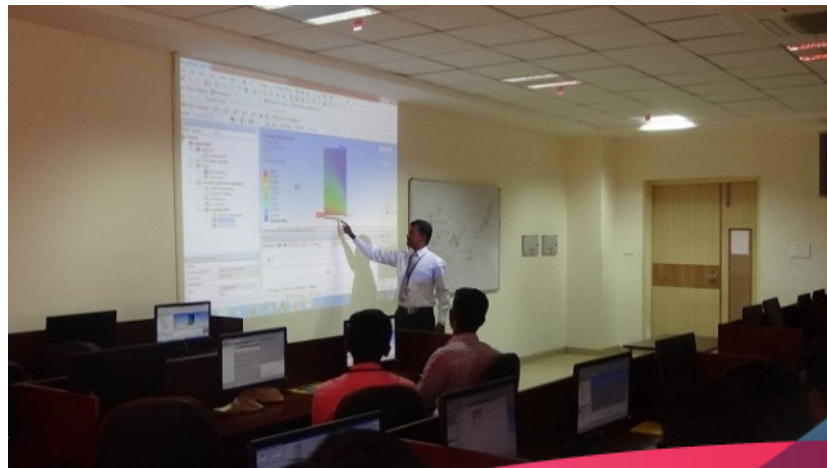
Sl. No.	Class	Subject Code	Name of the Subject	Name of the Faculty Member
1.	IV Semester B.E Mech A	ME6403	Engineering Materials and Metallurgy	Mr.P.Sureshkumar
2.	VI Semester B.E Mech A	ME6602	Automobile Engineering	Mr.M.Ashok Kumar
3.	VI Semester B.E Mech	ME6003	Renewable Sources of Energy	Mr.K.Vigneshwaran
4.	VI Semester B.E Mech A	ME6004	Unconventional Machining Processes	Mr.G.Prabu ram
5.	VIII Semester B.E Mech A	IE6605	Production Planning and Control	Dr.S.Rajakarunakaran
6.	VIII Semester B.E Mech	MG6071	Entrepreneurship Development	Mr.R.Arun Kumar
7.	VIII Semester B.E Mech A	ME6019	Non Destructive Testing and Materials	Mr.R.Prabhakaran
8.	VIII Semester B.E Mech B	IE6605	Production Planning and Control	Mr.M.Santhana Maruthu Pandian
9.	VIII Semester B.E ECE A	GE6757	Total Quality Management	Mr.G.Prabu ram

VALUE ADDED COURSES

Department of Mechanical Engineering organized Level II course on **Non Destructive Testing** in association with Dynamic Technologies, Trichy during May 10–24, 2018 and July 9–10, 2018.



Five day Value Added Course on **Ansys Workbench** conducted to IV year Mechanical students during May 10–16, 2018.



Five day Value Added Course on **Abaqus** Software conducted to IV year Mechanical students during May 10–16, 2018.



Five day Value Added Course on **Creo Parametric** Software conducted to III year Mechanical students during May 19–24, 2018.



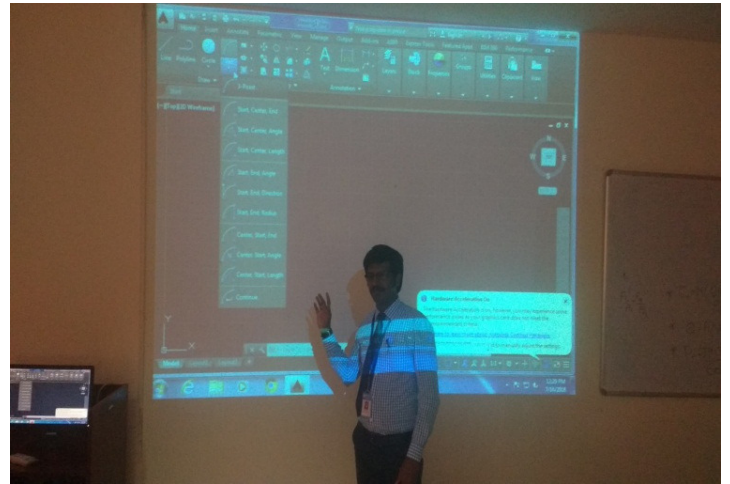
Five day Value Added Course on **Refrigeration and Air Conditioning** conducted to III year Mechanical students during May 19–24,2018 in Thermal Lab, RIT & R & AC Lab, P.A.C.R. Polytechnic College, Rajapalayam.



10 days Training Program on **Hydraulics and Pneumatics** was conducted to III Year and IV Year Mechanical students in PACR Polytechnic College during May21–31, 2018.



One Week value added course on **Autodesk Auto CAD 2018** was conducted in Mechanical Engineering CAD laboratory to II year Mechanical Engineering 'A & B' students during June 25–30, 2018.



Four-day Course on “**Autodesk certified user in Inventor®**” was conducted to Mechanical Engineering Students (2020 & 2021 Batch) during December 17–20, 2018 in CC laboratory.



Four-day Course on “Autodesk certified user in Fusion 360” was conducted Mechanical Engineering Students (2020 & 2021 Batch) during December 17-20, 2018 in CC-I, CC-II and Mechanical CAD laboratory.



PROGRAM ORGANISED



Entrepreneurship Awareness Program

RIT ED Cell had organized an Entrepreneurship Awareness Program under the title 'Time to decide to become a Job provider rather than a Job seeker' for interested II and III year students on July 11, 2018. The Chief Guest for the program was Mr. J. Jeyakumar, CEO - TACED, Madurai. The Chief Guest said about the importance of becoming an entrepreneur to the students



Learn from the Reel and Fire Side Chat

'RIT ED Cell & RIT CEED' had organized a program named 'Learn from the Reel and Fire Side Chat' for interested II, III & IV year students on July 27, 2018. Mr. J. Jaichith,



IV Year Mechanical student and Mr.S.Anandharaj, IV Year Mechanical student have shared their business experience with the participants.

GATE Awareness Program

An awareness programme on importance of GATE examination and preparation strategy named "Face to Face Live GATE Awareness programme" was organized by Ramco Institute of Technology, Rajapalayam for Second year, Third year and Final year students on July 31,2018. The resource person is Mr. Manu Abraham, I.C.E GATE Educational Institute Private Limited, Chennai.



Seminar on “Strategies for Energy Conservation and Environment Protection”

RIT–Mechanizo and Petroleum Conservation Research Association (PCRA) under Ministry of Petroleum and Natural Gas, Government of India organized a seminar on “Strategies for Energy Conservation and Environment Protection” for IV year Mechanical Engineering elective students of Energy Conservation and Management subject and IV year EEE students on August 07, 2018



Guest Lecture on "Impactful Research Publications"

A Guest lecture on “IMPACTFUL RESEARCH PUBLICATIONS” by Dr. S.G. Ponnambalam, Faculty of Manufacturing Engineering, University Malaysia Pahang, Malaysia was arranged for the faculty members of Ramco Institute of Technology, Rajapalayam on August 09, 2018



Technical talk on “VRF

The Technical talk on “VRF (Variable Refrigerant Flow) Systems” was given by the chief guest Mr.S.Arul. Variable refrigerant flow (VRF), also known as variable refrigerant volume (VRV), is an HVAC technology invented by Daikin Industries, Ltd. Like ductless minisplits, VRFs etc use refrigerant as the cooling and heating medium



Five Day FDP on “Product Design Engineering using Fusion 360”

In presence of Dr.S.Rajakarunakaran, Vice-principal – RIT, Mr.S.Muralirajan, Relationship Manager–ICTACT, Mr.K.Dinesh, Technical Trainer, ICTACT and Mr. J. Jerold John Britto AP(SG)/Mechanical –RIT organised training programme on “PRODUCT DESIGN ENGINEERING using FUSION 360” in associated with ICT Academy of Tamil Nadu during August 27–31,2018



RIT CEED AnnCon 2018



RIT CEED AnnCon 2018' was organized on September 07,2018. Mr.V.R.Muthu, Chairman Idhayam, Mr.B.Ramesh, JMD, Thangamayil Jewellery, Mr.J.K.Muthu, Chairman, DigitAll were the chief guest for the programme



International Design Competition (IDC) First Round

'CADD Centre' is organizing International Design competition (IDC) every year. It consists of four stages, out of which preliminary round was organized for interested II, III & IV year Mechanical Engineering students on September 24, 2018 at CAD Laboratory



Guest Lecture on Total Quality Management



A Guest Lecture on Total Quality Management was conducted by RIT Mechanizo to IV Year Mechanical Engineering Students on September 28, 2018. Mr.S.Mehalingam, R&D, AGM, Ashok Leyland, Ennore, Chennai was the resource person for this lecture



Guest Lecture on "Energy and Environment"



RIT - ISTE student chapter and RIT - Alumni Association jointly organized a Guest Lecture on September 29, 2018 at Mechanical Seminar hall. The Chief guest Dr.M.Muthuraman, Deputy General Manager, NTPC Ltd, Noida gave a lecture about "Energy and Environment"



“Future Vehicle Technologies across Globe”

A Lecture meeting on “Future Vehicle Technologies across Globe” was conducted by SAEISS Madurai Division in association with RIT Mechanizo



on October 05, 2018. Mr. P. ARJUNRAJ, Manager Powertrain-R&D, PSA AVTEC Powertrain Pvt. Limited, Hosur was the resource person for this meeting

“Assembling and dismantling of Engine and Transmission Systems”

A Hands on practice on “Assembling and dismantling of Engine and Transmission Systems” was conducted to III Year Mechanical Engineering Students during October 16-17, 2018 in Thermal Engineering Laboratory





ISHRAE

Guest Lecture on "Energy and Environment"

Ramco Institute of Technology(RIT), Rajapalayam organized the inaugural function of RIT – ISHRAE & PACR– ISHRAE on August 20, 2018. The chief guest is Mr.S.Arul, Owner and chief MEP Design engineer, Arul design, Chennai



NX CAD Training Program

Ten faculty members from Mechanical department participated in NX CAD Training program organised by Harita Techserv and RIT during November 08–17, 2018. Mr. C. Arokia Darthi Raja, Senior Technical Trainer, Harita Techserv Limited, Chennai was the resource person for this program





Hands on Training for Lab Technician on Metal Spinning Lathe, MIG Welding, Gear Hobbing and CMM

Department of Mechanical Engineering and ISTE Faculty chapter sponsored Two day workshop and Hands on Training for Lab Technician on Metal Spinning Lathe, MIG Welding, Gear Hobbing and CMM conducted by RIT during December 10-11, 2018. Mr. P. Suresh Kumar, AP (SG)/ Mech, Mr. M. Lakshmanan, AP (SG)/ Mech, Mr. G. Prabu ram, AP (SG) / Mech, Mr. L. Karthikeyan, AP/Mech, Mr. S. Maharajan, AP/Mech and Mr. M. Santhana Marthu Pandian, AP/Mech were the resource person for this program.





Technical talk on "Welding of Power plant Materials - An Overview"

RIT Indian Welding Society organised a technical talk on "Welding of Power plant Materials - An Overview" conducted by RIT IWS on January 03, 2019. Mr.N.Rajasekaran, Hon.Secretary (IWS) & DGM (Unit II), BHEL, Tiruchirappalli was the resource person for this program. 78 students of IWS participated in this talk event.



Smart Phone Service Training

The Department of Computer Science and Engineering and RIT-ED Cell in association with New Technology, Coimbatore jointly organized "Smart Phone Service Training" during January 04-05, 2019. Mr.B.Krishanakumar and his team from New Technology, Coimbatore were the resource persons. Students of our institution and students from various polytechnic and engineering colleges got benefited through this workshop



ROBO RACE EVENT



Automation and Robotics Club of RIT organised a 'Robo Race' event on January 08, 2019 in Mechatronics Lab-II for II and III Year students of ECE, EEE and Mechanical Engineering. 08 Teams are participated in the event. Mr.B.Kannan, AP(SG)/ECE Faculty Coordinator for this event. Mr. K. Vignesh, III Year Mechanical Engineering was the student Coordinator for this event



Student Interaction Programme on “Companion Learning Space”

Department of Mechanical Engineering organized the Student Interaction Programme on “Companion Learning Space” and placement orientation for III year and Final Year Students on January 09, 2019 in Mechanical Seminar Hall.



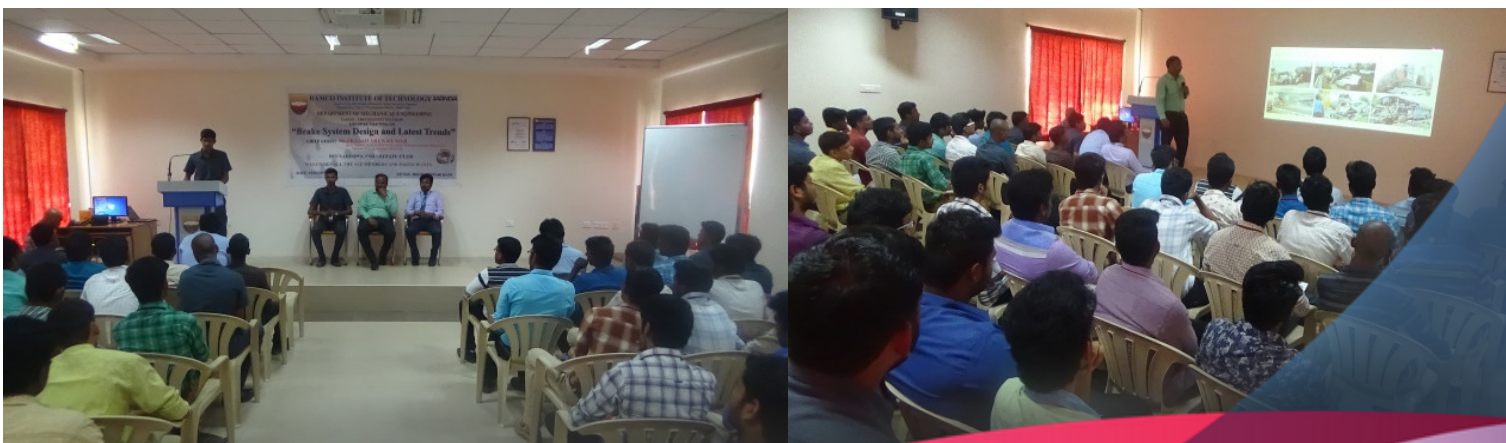
Special Lecture

RIT organised a Special Lecture in “Satellite launching vehicles, guided missiles and aerospace systems” on January 18, 2019. Padma Shri & Padma Bhushan Dr. A. Sivathanu Pillai, Former Chief Controller (R&D), Defence Research and Development Organization and Founder of BrahMos Aerospace was the resource person for this lecture



SAEINDIA

Lecture Meeting on “Brake System Design and Latest Trends”
 RIT SAEINDIA and SAE India Southern Section organised a Lecture Meeting on “Brake System Design and Latest Trends” on January 19, 2019. Mr. Prasad Arun Kumar, (Lead Engineer, Brake & Slip Control Systems, Automotive Division, Mahindra & Mahindra Pvt Ltd, Mahindra World City) was the resource person for this meeting. 40 students of SAE participated in this lecture



NX-CAD 12

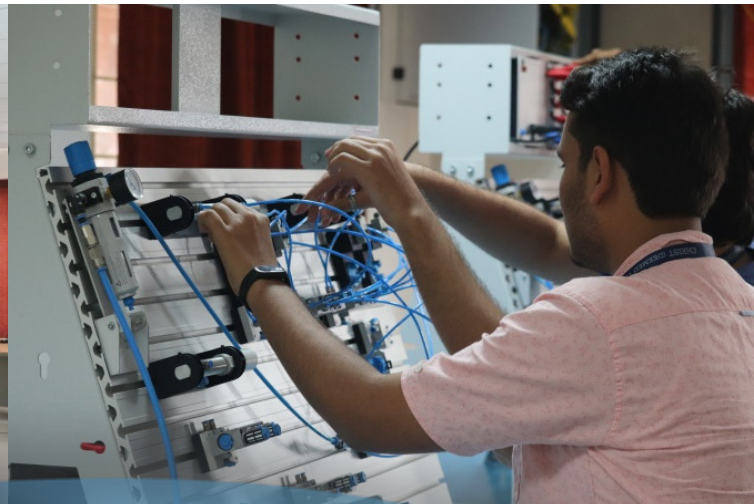
Department of Mechanical Engineering organized the Student Placement Training Programme on “NX-CAD 12®” for the duration of January 24– February 13, 2019 in Harita Centre of Excellence. The Twenty Nine student’s final mechanical engineering have undergone the training with the guidance of Mr.Dhinesh Kumar, Technical Trainer, Harita Techserv Ltd, Coimbatore.



State level workshop cum-competition on "Pneumatics and Automation"



A two-day state level workshop cum-competition on "Pneumatics and Automation" conducted by Department of Mechanical Engineering Association RIT MECHANIZO in association with ARC RIT at Mechatronics Laboratory in our college during February 01– 02,2019. 40 students across the Tamil Nadu and Bangalore are participated in this event. Mr.S.Julius Fusic from Thiagrajar College of Engineering and Mr. S. Nirmal Kumar, Design Engineer, Harita Techserv are the resource persons for this event.



Orientation program on “Driving Guidelines and Road Safety”

Department of Mechanical Engineering organized an Orientation program on “Driving Guidelines and Road Safety” in association with Sri Vignesh Driving School, Rajapalayam during December 21, 2018, February 07–08, 2019 & February 12, 2019.



ROBO QUIZ EVENT



Automation and Robotics Club of RIT and Mechanical Department Association RIT Mechanizo conducted a event "ROBO QUIZ" during National Science Day 2019. 10 Teams from Mechanical Engineering participated in the first round out of that 5 teams qualified for the final round. V. Mathu Sudan and P.Karpagarajan of Final Year Mechanical Engineering Students hosted this event. M.Manojkumar from Final year Mechanical Engineering secured first place and M.Deepak Vishnu and P.Arun Kumar of Second Year Mechanical Engineering secured second place.





ROBO CONNEXION EVENT



Automation and Robotics Club of RIT and Mechanical Department Association RIT Mechanizo conducted a event "ROBO CONNEXION" during National Science Day 2019. 20 Teams from EEE and Mechanical Engineering participated in the first round out of that 5 teams qualified for the final round. M.Vignesh and T.Rahul of Final Year Mechanical Engineering Students hosted this event. V.Arunachalam and V. Ananth Narayanan from Third year EEE secured first place and R.Sharinraja and S.Saravana Kumar of from Final year Mechanical Engineering secured second place

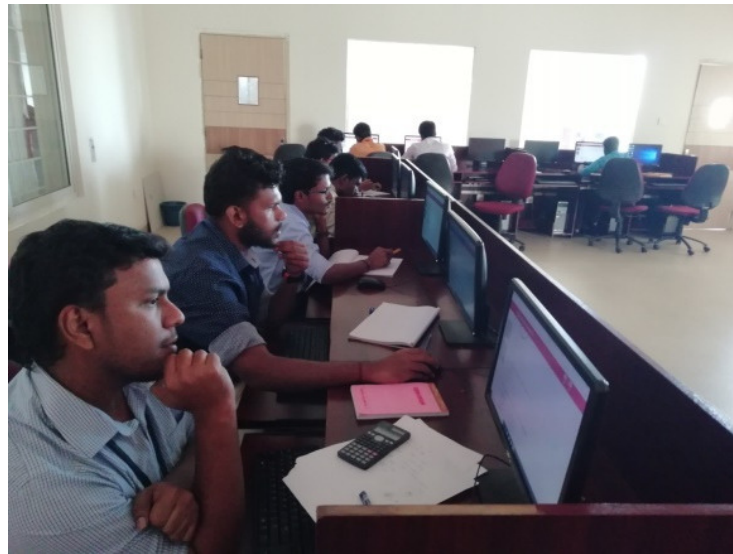




ISHRAE

ISHRAE EVENTS

Every year Indian Society of Heating, Refrigerating and Air Conditioning Engineers (ISHRAE) is conducting job junction for final year B.E Mechanical Engineering students. For this academic year, from our college 14 final year Mechanical Engineering students have appeared for job junction conducted by ISHRAE on October 27, 2018



ISHRAE Madurai chapter conducted a preliminary round of a Quest (a national level quiz program) at KLN College of Engineering, Madurai on December 30, 2018. Four students namely S. Diwan Ahammed Sha, V. Gowtham Chakaravarthi, M. Bharath Jegatheesh And R. Manisankar as two teams were participated in this event





ISHRAE and MACHANIZO Association jointly conducts quiz competition for the students of 2nd , 3rd and final year selective students on March 13, 2019.

ACADEMIC TOPPERS

The infographic features a central graphic of a human brain, split into a blue left hemisphere and a pink right hemisphere. Five circular portraits of students are arranged around the brain, with arrows pointing from the brain to each portrait. The students and their scores are:

- SANKAR RAGA DEVA T** (8.78 CGPA) - Top portrait
- MOHAMED MEERAN S** (8.56 CGPA) - Middle-left portrait
- MOHAN RAJ M** (8.61 CGPA) - Middle-right portrait
- HARRISH M** (8.65 CGPA) - Bottom-left portrait
- N SIRANJEEVI** (8.77 CGPA) - Bottom-right portrait

NATIONAL SCIENCE DAY

Asim Ahamed I, Akilan M, Deepak Vishnu M, Sunil Prabha V, Deepak Kumar V and Ajith S of II year Mechanical students won I Prize in Project Exhibition for the topic **“Dirt Bike”** guided by Mr.G.Prabu ram, AP(SG)/Mechanical



Gokulakrishnan N, Kannan V and Karthik @ Siva T of III year Mechanical students won II Prize in Project Exhibition for the topic **“Development of Humanoid Flexo Grab”** guided by Mr.S.Valai Ganesh, AP/Mechanical



NATIONAL SCIENCE DAY

Ramagopal S, Sankar Bharathi P, Sankar Raga Deva T and Saravanakumar J of IV year Mechanical students won III Prize in Project Exhibition for the topic “**Optimization Of Solar Parabolic Trough Collector Using Phase Change Materials**” guided by Mr.M.Ashok Kumar, AP(SG)/Mechanical



NATIONAL SCIENCE DAY CELEBRATIONS

ALUMNI INTERACTION

In Department of Mechanical Engineering 2014–2018 passed out alumni students Named Mr.S.Nirmal Kumar (R&D Department), Benz India Ltd & Mr.A.Shanmuga raja (R&D Department), GM India Ltd has delivered a interaction session with Pre Final Year on "The Present scenario of Industry for Mechanical Engineering".



Mr.R. Ajith Kumar , GET, Quality Control, severn Glocon India Pvt Limited interacted with III year Mechanical students on January 12, 2019 at CAD laboratory. He explored the current trends in automation and additional skills required to become a capable person in an industry



SPECIAL EVENTS

TEAM RITZ

- Team Ritzy participated in Virtual BAJASAEINDIA 2019 during July 11–13, 2018 at Chandigarh, Chitkara University and selected for Main Event Baja SAE India 2019 among 51 teams in India



- Team Ritzy Successfully participated in BAJASAEINDIA 2019 organized by SAEINDIA at NATRAX Facility of NATRiP in Pithampur, Madhya Pradesh, successfully cleared technical inspection and attained 24th position overall in India, one among 16 teams from Tamil Nadu during January 23–27, 2019. This team was mentored by Mr.J.Jerold John Britto, AP(SG)/Mech and Mr.S.Meenakshi Sundaravel, AP(SG)/ EEE



CHAMPIONS OF CHAMPION EVENT

- Champions of Champions organized by APSSDC skill development during February 22–25, 2019 in this event Team RITZ Cleared TI, Brake test and successfully completed Acceleration Test, Manoeuvrability test, Suspension traction event. In acceleration RITZ secured 3rd position and in suspension event got 2nd position



TEAM SPIRITZ



- Team Spiritz participated in Virtual BAHASAEINDIA 2019 during July 11–13, 2018 at Chandigarh, Chitkara University and selected for Main Event Baha SAE India 2019 among 51 teams in India



- Team Spiritz participated in Champions of Champions organized by APSSDC skill development during February 22–25, 2019 in this event. This team was guided by Mr.P.Sureshkumar, AP(SG)/RIT and Mr.L.Karthikeyan, AP/RIT



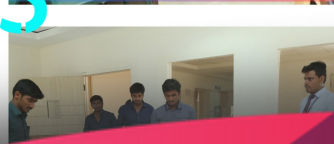
TECHYUGA 2018 GLIMPSSES



TECHYUGA 2018 Mechanical



TECHYUGA 2018 ARC EVENTS





e-Yantra Robotics Laboratory Inauguration

- e-Yantra Robotics Laboratory is coming under MHRD Sponsored e-Yantra project named National Mission on Education through ICT (NMEICT). IIT Bombay is associated with MHRD to establish e-Yantra Robotics Laboratory across the country. In Ramco Institute of Technology this work was started during October 2018. The components required to set the laboratory were procured and laboratory was inaugurated on 14.03.2019 by IIT Bombay Professor. Kavi Arya, Principal Investigator of the project through video conferencing. Dr.N.Jawahar, Principal of RIT delivered presidential address and delivered the robotic components to e-Yantra Robotics team members of RIT. Dr.S.Rajakarunakaran, Vice-principal of RIT opened the signage board of e-Yantra laboratory. The students and faculty members who had e-Yantra labs setup have been eligible for participating events, internship, project ideas which will be conducted by IIT Bombay officials. Today there are 6 laboratories was inaugurated by e-Yantra team in all over India



NSS ACTIVITIES

- International Day of Yoga was observed in Ramco Institute of Technology, Rajapalayam on June 21, 2018, Thursday at 10.00 a.m in Auditorium. Our Vice-Principal Dr.Rajakarunakaran welcomed the Gathering. Mr.A.Arul Selvam, Wisdom Teacher, Universal Peace Foundation, Mamsapuram, participated in the Programme. Mr.A.Arul Selvam addressed the gathering on the Importance of Yoga.



- The NSS and YRC Units of Ramco Institute of Technology celebrated the birthday of the former Chief Minister of Tamil Nadu on July 15, 2018 by attending the Kamarajar birthday function arranged at KVS Matriculation School, Viruthunagar. The NSS and YRC student volunteers helped in distributing free meals to the local people.



- A Blood Donation Camp was conducted by NSS on July 25, 2018 at 10:00 am in the RIT auditorium. This camp was organized in collaboration with Government Hospital, Rajapalayam. Dr. N. Jawahar, Principal, RIT formally inaugurated the function. The overall program was managed with the help of NSS volunteers of our campus. About 170 units of blood were donated to government hospital by our volunteers.



- National Service Scheme (NSS) day celebrated in Ramco Institute of Technology on September 24, 2019. In this day, a tree plantation programme conducted in boy's hostel. This programme was conducted from 05.30 pm to 06.30 pm. Around 20 trees planted in this programme



- To commemorate the 88th birthday of the former president of India, Dr. A.P.J Abdul Kalam, a sapling distribution programme was conducted in the campus on October 15, 2018. NSS. and YRC volunteers along with the programme officer participated enthusiastically in the programme. More than 1800 Tulasi saplings were distributed to the faculty, non-teaching staff and students of RIT.



- As per the direction of MHRD, Surgical Strike Day was observed on September 29, 2018. In view of this, a guest lecture on “Sacrifices Made by the Armed Forces in Protecting the Borders” was given by Subedar B. Srinivasan Ex-servicemen, Indian Army. Mr. B. Srinivasan briefed the audience about the service and contributions of men in uniform of the Indian Army. Students were also informed of the procedure involved in joining the Indian Army.



- As per the direction of AICTE, Vigilance Awareness week was observed in RIT from October 29– November 03, 2018 with the theme, “Eradicate Corruption–Build a new India”. In view of this, an integrity pledge was taken by the students and faculty on October 31, 2018 at 08.50 AM in the respective class rooms



- As per the direction of AICTE, the birthday of the first Deputy Prime Minister & Home Minister of India, Shri. Sardar Vallabhai Patel is celebrated as Rashtriya Ekta Diwas (National Unity Day) on October 31, 2018 in RIT. In view of this, Rashtriya Ekta Diwas pledge was taken by students on 31.10.2018 at 08.55 AM in their respective class rooms.



- The NSS and YRC volunteers of Ramco Institute of Technology visited Sivanandha Gurukulam, near Ayyanar Koil, Rajapalayam on 'Thirukarthigai Day' on November 23, 2018 at 10.30 am and served food for the people who visited the ashram. Appreciating their voluntary service and social concern, shield and certificates were given by the Rajapalayam North Police Station Sub-Inspector. After the visit, the students have committed themselves to more such service activities for the coming days



“RIT – MECHANIZO”
LIST OF OFFICE BEARERS
2018-2019

- | | |
|-------------------------------|-----------------------|
| 1. Senior Faculty Advisor | : Lakshmanan.M |
| 2. Additional Faculty Advisor | : Selva Sundar.T |
| 3. Student Chairman | : Ashok Babu.B |
| 4. Student Vice-Chairman | : Balakumaresan.S |
| 5. Student Secretary | : Shanmugham.S |
| 6. Student Treasurer | : Kaushik shrinivas.R |
| 7. Student Reception Chair | : Keerthana.P |
| 8. Student Program Chair | : Hariharan.K |
| 9. Student Publicity Chair | : Mukesh.G |
| 10. Student Membership Chair | : Siranjeevi.N |

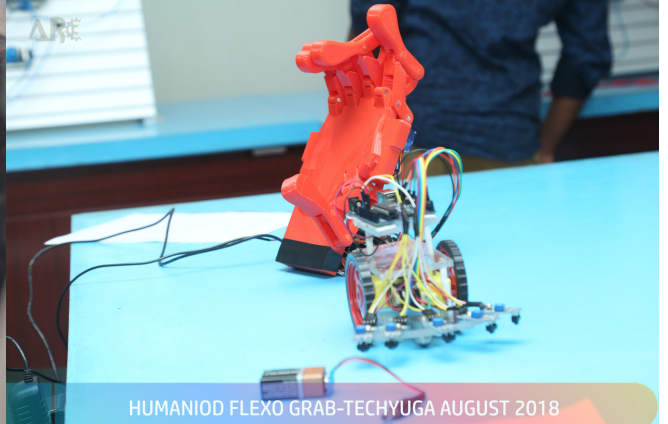
TVS ATP STUDENT NAME LIST BATCH 3

- AJAYKIRUBAHAR G S
- HARSATH SAMUEL B R
- MANIVIGNESH S
- GOWTHAM CHAKARAVARTHI V
- NILAVARASU M
- GOWTHAM M
- MUNIYARAJ K
- HARISHKUMAR S
- MOHAN RAJ M
- DHALAPATHI G
- NIRMALRAJ B
- PRANAV RAM R
- RAMESH S
- PRAVEEN KUMAR M
- SANKAR RAGA DEVA T

ARC 2018-2019 GLIMPSES



WORKSHOP-CUM-COMPETITION ON PNEUMATICS AND AUTOMATION FEBRUARY 2019



HUMANIOD FLEXO GRAB-TECHYUGA AUGUST 2018



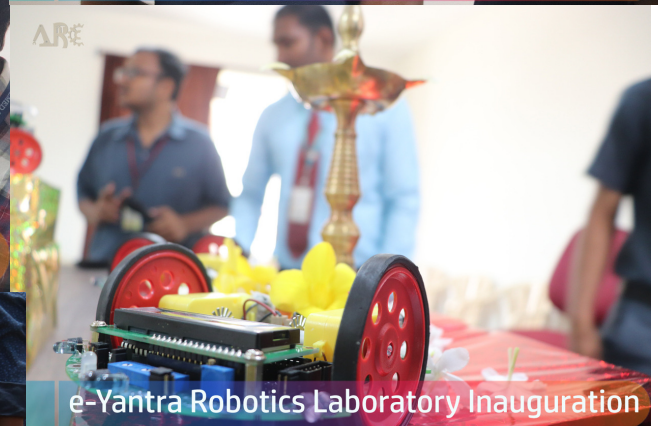
WORKSHOP-CUM-COMPETITION ON PNEUMATICS AND AUTOMATION FEBRUARY 2019



WORKSHOP-CUM-COMPETITION ON PNEUMATICS AND AUTOMATION FEBRUARY 2019



ROBO RACE EVENT-TECHYUGA AUGUST 2018



e-Yantra Robotics Laboratory Inauguration



MECHATRONICS-INDIA SKILLS JUNE 2018-BENGALURU

UNIVERSITY RANK HOLDERS

2013-2017

ABDULLA SHAH I



CGPA: 8.80
University Rank: 39
Department: MECH

ARI RAMALINGAM P

CGPA: 8.84
University Rank: 35
Department: MECH



MOHAMMED JASSIM J

CGPA: 8.78
University Rank: 41
Department: MECH



2014-2018

MUTHU SARAVANAN M

CGPA : 8.85
University Rank : 33
Department : MECH



DINESH KUMAR R

CGPA : 8.80
University Rank : 38
Department : MECH



**2018
-
2019**

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