



# ***MEDALLIONS NEWS'19*** *Volume 6 - April '19*

## **NEWSLETTER - YEARLY**

### ***DEPARTMENT OF MECHANICAL ENGINEERING*** ***NANDHA ENGINEERING COLLEGE (AUTONOMOUS)***

#### ***Vision***

To be a premier centre for learning in Mechanical Engineering in the country.

#### ***Mission***

- To offer state-of-the-art undergraduate, postgraduate and research programmes in engineering.
- To develop skilled and employable graduates to meet the challenges in emerging fields of Engineering.
- To encourage Research & Development in the thrust areas of engineering.



***Dr. N. RENGARAJAN, Ph.D.,  
Principal – NEC.***

It is my pleasure in congratulating the Department of Mechanical Engineering on the pleasant occasion of releasing the newsletter for the period 2018-2019. It is great to find a considerable number of winners and participants in co-curricular and extra-curricular activities which certainly prove that our faculty members and students are adequately equipped and possess the necessary skill sets to bring such laurels to the institution. I wish that this number may grow in the years to come. I am sure that publishing a newsletter containing the achievements will be recognition to hard work and I wish them all the very best for future endeavors.



***Dr. M. EASWARAMOORTHY, Ph.D.,  
Professor and Dean - Mech.***

Welcome and best wishes to all the friends of the department who receive this Newsletter. It has been an interesting and busy semesters for members of the Department. It gives me a great opportunity to present the third issue of "**Medallions News-19**". This internal newsletter is one of the ways in which we can disseminate information on the life of the Department. The past semesters were full of various activities by the students and faculty in academic, co-curricular, extra-curricular as well as research and developments. As you read through the pages you would realize, that the department had a successful semester. I would like to thank all my colleagues for their tireless efforts to help the department progress at a very steady pace.



***Dr. M. K. MURTHI, M.E., Ph.D.,  
HoD- Mech.***

Welcome and best wishes for all the faculty members and Students of the department who receive this newsletter. It has been interesting and busy year for the members of the department, with a number of successful events including Guest Lecture, Workshop, National Level Conference and Symposium. I invite all the readers of this newsletter to share this with your friends and contribute more for 2019-2020 newsletters.

## DEPARTMENT OF MECHANICAL ENGINEERING 2019-2020

### ABOUT MEDALLIONS NEWS

The Medallions news is the voice of Mechanical Engineering; it is a newsletter from the department of Mechanical Engineering which mainly focuses on the day-to-day happenings in the department. It speaks and visualizes the events happening in the department and the participation of students in various inter and intra college events. It encourages and brings out the talents of students in various fields.

### ABOUT DEPARTMENT OF MECHANICAL ENGINEERING

Mechanical Engineering is the core branch of Engineering and Technology, which plays an important role in the industrial growth of the nation. The department has well-equipped laboratories. Besides high quality teaching, the practical knowledge of students is enhanced through expert lectures by eminent persons from industry, and exposing them to industrial activities by industrial visits, Inplant training etc. Department has a team of dedicated faculty members, who strive hard to achieve the department's vision and mission in all aspects, the department creates flexible and innovative learning opportunities for students enabling them to enhance theoretical and professional skills. The department had been pioneering many quint-essential activities which leads to the development of the college. Final year U.G. and P.G students have presented and published technical papers based on their projects in National, International journals and conferences.

### INFRASTRUCTURE

The department is equipped with 12 diversified laboratories to cater the needs of the students and covering the curriculum specified by Anna University.

#### LABORATORY FACILITIES

Thermal Engineering Lab	Fluid Mechanics Lab	PG CAD Lab
Heat Power Engineering Lab	Engineering Practices Lab	CAD CAM Lab
Mechatronics Lab	Manufacturing Technology Lab- I	Dynamics Lab
Metrology and Measurement Lab	Manufacturing Technology Lab- II	Research Lab

### **ASSOCIATION INAUGURAL FUNCTION**

Inauguration function of the Society of Mechanical Engineers (SOME) at Nandha Engineering College has been conducted successfully on 06-09-2018. Thiru.V.Shanmugan chairman, Nandha Educational Institution presided over the function. The lightening of the traditional lamp was done in the presence of chief guest Mr. K.R. Raguram, Executive Director, Fortune Infrastrurels, Erode.

The Presidential address was given by Thiru. V.Shanmugan, Chairman, Sri Nandha Educational Trust. Principal Address was given by Dr.N.Rengarajan, Principal, Nandha Engineering College. Felicitation address was given by Dr.S.Arumugam, CEO, Nandha Educational Institutions, Thiru. S.Nandhakumar Pradeep, Secretary, Sri Nandha Educational Trust, Thiru. S.Thirumoorthi, Secretary, Nandha Educational Institutions.

Dr. M. Eswaramoorthi, Professor and Dean, Mechanical Engineering, spoke regarding the various activities of SOME. Prof.M.K.Murthi, Head of the Mechanical Department introduced the office barriers of SOME. Chief guest Mr. K.R. Raguram motivated the students regarding the development in the Mechanical field and to make them self ready for the upcoming target in their life



*Dignitaries and office barriers on the dais during the guest lecture*

### **ACADEMIC SEMINAR**

Academic Seminar on "Need and scope of automation in mechanical Industries" by Mr. Arun balaji, COE (Design Architect), Strake Automation, Coimbatore, was arranged on 20-07-2018 at Conference Hall, Nandha Engineering College. He spoke about the behavior and tips for improving characters in relation with professional life and interview tips for students. He highlighted importance of Mechanical Engineering and its vital role in our day to day life and importance of time management. He concluded the seminar stressing importance to creativity in the field of engineering.



*Participated students during the academic seminar.*



**ACADEMIC SEMINAR**

The Department of Mechanical Engineering of Nandha Engineering College, Erode, has organized a seminar on " Aerospace Material and Manufacturing Engineering in Aerospace Application" on 24-08-2018

Thiru.V.Shanmugan, Chairman, Sri Nandha Educational Trust, presided over the function. Dr.T.Ram Prabhu, Assistant Director / Science (Materials and Manufacturing Process) Defense R& D organization (DRDO), Ministry of Defense Govt. of India, Bangalore, was the guest speaker for the session. He highlighted the Recent Research in Aerospace Materials and Manufacturing Process. He concluded the seminar with the research opportunities available in DRDO for mechanical engineers.



Dr.T.Ram Prabhu interacting with Students

**ACADEMIC SEMINAR**

Academic Seminar on "Visual Management in Lean Manufacturing " by Dr.S.Rajkumar, Vice President, Rane Engine Valve, Chennai, Educational Institutions, Thiru.

was arranged on 25-08-2018 at Conference Hall, Nandha Engineering College. He highlighted the role of engineers in Make-in-India programme. He recalled the fact that engineering, is the application of science and motivated the students to know science. He insisted on 10 skills that should be acquired outside the classrooms to be a successful engineer and achieve laurels. Dr.N.Rengarajan, Principal, Dr.S.Arumugam, CEO, Thiru. S.Nandhakumar Pradeep, Secretary, Sri Nandha Educational Trust, Thiru. S.Thirumoorthi, Secretary, Nandha Educational Institutions and Dr.M.Easwaramoorthi Dean, Mechanical Engineering have felicitated the gathering.



*Dignitaries on the dais during the seminar*

**INDUSTRIAL SEMINAR**

The Society of Mechanical Engineers - Nandha Engineering College has conducted an Industrial Seminar on "Campus to Corporate" on 10-07-2018. The Presidential address was given by Thiru. V.Shanmugan, Chairman, Sri Nandha Educational Trust. Principal Address was given by Dr.N.Rengarajan, Principal, Nandha Engineering College. Felicitation address was given by Dr.S.Arumugam, CEO, Nandha

S.Nandhakumar Pradeep, Secretary, Sri Nandha Educational Trust, Thiru. S.Thirumoorthi, Secretary, Nandha Educational Institutions. Dr.M.Eswaramoorthi, Professor.

The chief guest Mr. Sampath Kumar, AGM (Training & development), Roots Industry, Coimbatore, gave industrial seminar. He shared his experience and explored Campus to Corporate techniques.



*Participated students during the academic seminar.*

### **INDUSTRIAL SEMINAR**

Society of Mechanical Engineers has organized an industrial seminar on 11-08-2018. Dr. M. Easwaramoorthi, Professor and Dean, Department of Mechanical Engineering, inaugurated the seminar. Dr. K.Eswaramurthi, Manager, Talent Engagement and Development ZF wind power private limited Coimbatore was the chief guest of the occasion. The expert shared their experience.

Mr. Sampath Kumar, AGM (Training &



*Honouring the chief guest by Head of the Department.*

### **FACULTY DEVELOPMENT PROGRAM**

Faculty development has become a priority at many academic institutions as a way to improve the quality of academic programs and to respond to emerging faculty, student, program, and industry needs. One-day faculty development program was organized on 25-07-2018 at NEC Board Room. Mr.D.Raghavendra Manager – University Relations, CoreEL Technologies Bangalore had chaired the session. In his inspirational speech, he shared his experiences in the Career guidance with Faculty members.



*Knowledge sharing by Mr.D.Raghavendra with faculty members.*

One-day faculty development program was organized on 10-07-2018 at NEC Board Room.



development), Roots Industry, Coimbatore had chaired the session.



*Knowledge sharing by Mr. Sampath Kumar with faculty members.*

### **INTRA DEPARTMENT ACTIVITIES**

Enhances learning in both the affective and cognitive domains, to provide the opportunity for sharing of ideas and concerns. Our Department Association "Mech Medallions" conducted Intra and Inter Department Activities. Intra Department Competition on 06-10-2018 through 146 students was participated from our department.



### **NEYAM SOCIAL CLUB ACTIVITIES**

Neyam social club of Mechanical Engineering Department in Nandha Department of Mechanical Engineering

Neyam social club of Mechanical Engineering Department in Nandha Engineering College conducted a "Plastic awareness camp" at chennimalaipalayam, perundurai. This program was inaugurated by Dr.M.Eswaramoorthi, Professor and Dean, Department of Mechanical Engineering and Prof.M.K.Murthi, Head of the Department. Mr.B.Velliyangiri, Assistant Professor explained the activities and objectives of that camp. This camp was supported by C.Thavamani, Head Mistress of Government Primary School, Chennimalai palayam and P.Gunasekar, Councilor of Vadamuga Vellode Ward.No.1. The Chairman of Nandha Educational Trust Mr.V.Shanmugan and the Secretary of Sri Nandha Educational Trust Thiru.S.NandhaKumar Pradeep and The secretary of Nandha Educational Institution Thiru.S.Thirumoorthi and Principal Dr.S.Arumugam delivered their wishes and congratulations to the coordinator and the student members of Neyam social club.



*During plastic awareness camp*

### **NATIONAL LEVEL AWARD**

The student team "Redline Racerz" comprising of 25 members and a faculty member from

belonging to Nandha Engineering College had participated in 6th GoKart Design Challenge (GKDC) under 150cc category conducted by ISNEE (Indian Society of New Era Engineers), GKDC is a national level karting challenge formulated to enhance the engineering skills of students. This event is fundamentally all about design and fabrication of a functional kart which will be tested under various categories. This year the total number of registered teams were 200 from various engineering colleges across India.



The final event was held at Budh international circuit Greater Noida, Uttar Pradesh from 22-02-19 to 27-02-2019. Out of the total registered 200 teams only 23 were qualified to be a part of the final. The static event is to dismantle and assemble the fabricated kart at the event venue. The teams were evaluated on the speed and effectiveness of the completion of the tasks.

The Redline Racerz team from Nandha Engineering College secured 1st place in the static event by completing the static event in Nithyananth G, Manoj Kumar J & Mathankumar R of IV-Mech received **I, II**

582 seconds. The dynamic event was categorized under acceleration, brake, autocross, skip pad and endurance. Based on the scores on each category the teams were ranked. The Redline Racerz team from Nandha Engineering College has scored a total of 468.44 points which ranked them at 9th place in National Level and at 2nd place in State Level.

### **STUDENTS ACHIEVEMENTS**

- R.Manikandan, III-Mech got **Rotary Youth Leadership Award** from Jindal Global University, Delhi.
- M. Ragunath, IV-MECH received **ISTE Best Student Award (2018-19)**
- Avinash C M, S. Jeyakrishnan, Manoj kumar K, III-Mech got **II prize** & Aravind S, Jeganathan V, III-Mech, got **III prize** in the event "unveil the image" at Madras Institute of Technology
- **08** Students of Mech & Faculty Advisor : Dr. M. Easwaramoorthi, Mr. M. Shanmugam participated in **Virtual Baja** @ Chitkara University Punjab
- Mr. Rajesh kumar, III-Mech got **II prize** in paper presentation at IIT Madras
- Mithiran M, Raveen Perumal M, & Pugazhenthir M of Mech received **I, II & III prize** in Silambam from National and State Level Association
- Viknesvarar .S and Rajesh Kumar, III-Mech got **II prize** in Outoff Box at PSG Institute of Technology
- Manoj Kumar S, Kesamoorthy R,



**prize** for Mysterix & Quiz.

- R.Manikandan, III-Mech
  - Agrotech , II prize @ NIT, Tiruchy
  - Tech Talk, II prize @ CIT, Coimbatore
  - Bench Marking I Prize at National Level Competition @ SAE
  - I Prize in How the things work, Bench Marketing & Tech Talk I Prize
- K.V.Mukesh Kumar of I-MECH won **Silver Medal** in Shotput

#### **FACULTY ACHIEVEMENTS:**

- Dr. M. Easwaramoorthi and M . Sengottaiyan published in patent journal No. 201941021956A dated 14/06/2019 on the title "Roll and pull tyre plant uprooting machine with flexible stem clamp"
- Dr. M.Easwaramoorthi and M. Sengottaiyan of Mechanical Engineering received Grant of **Rs. 1,92,000.00** on title "Training Programme on Draftsmen" from **AICTE PMKVY**
- **TNSCST** has sanctioned grant of Rs 7,500/-for the students project Title: "Design and analysis of Fuel Cell Electric Scooter" done by G.Arun
- Mr. M. K. Murthi, (2019) "Performance and emission analysis of diesel engine using karanja oil biodiesel blend with

kumar , C.B.Rohit, M.Gowtham & S.Karthi, IV Mech & Guided by B. Velliyangiri, AP-Mech

- Pradeep Kumar K, AsP-Mech received **ISTE Best Faculty Advisor Award**



- 25 Mech students of Redline Racerz team Coordinated by Prof.Manikandan secured **9<sup>th</sup> place & 2<sup>nd</sup> place** at National & State level in Go kart Design Challenge Competition @ Noida



#### **Faculty Publication Details:**

- Dr. M. Eswaramoorthi (2019) "Development of pyrolysis process reactor for extracting fuel from plastic waste" Journal of Intellectual Advancements and Research in Engineering Computation, Volume-07(02) pp.[2830-2835]



Butanol" Journal of Intellectual Advancements and Research in Engineering Computation, Volume-07(02) pp. [2818-2823]

- Mr. M. K. Murthi, (2019) "Performance and emission analysis of diesel engine using karanja oil biodiesel blend with diethyl ether" Journal of Intellectual Advancements and Research in Engineering Computation, Volume-07(02) pp. [2765-2769]
- Dr. M. Muthukumar, (2019) "A review on performance improvement of flow field design for PEM fuel CELL" Journal of Intellectual Advancements and Research in Engineering Computation, Volume-07(02) pp. [2869-2874]
- Mr. V. Chandramohan (2019) "Efficiency of low friction (TI-GE-CN) nano composite thin film coating for piston ring" Journal of Intellectual Advancements and Research in Engineering Computation, Volume-07(02) pp. [2836-2841]
- Mr. V. N. Loganathan (2019) "Design and fabrication of monowheel" of Intellectual Advancements and Research in Engineering Computation, Volume-07(02) pp. [2589-2593]
- Mr. V. N. Loganathan (2019) "Design and analysis of modified savonius

and Research in Engineering Computation, Volume-07(02) pp. [2875-2878]

- Mr. M. Sampathkumar (2019) "Design and fabrication of electromagnetic braking system for four wheeler" Journal of Intellectual Advancements and Research in Engineering Computation, Volume-07(02) pp. [2583-2588]
- Mr. M. Sampathkumar (2019) "Fabrication of thermoelectric power generation by waste heat recovery in automobiles" Journal of Intellectual Advancements and Research in Engineering Computation, Volume-07(02) pp. [2613-2617]
- Mr. K. Ganesan (2019) "Design and fabrication of treadmill bicycle" Journal of Intellectual Advancements and Research in Engineering Computation, Volume-07(02) pp. [2599-2604]
- Mr. K. Ganesan (2019) "Design and fabrication of chainless bicycle" Journal of Intellectual Advancements and Research in Engineering Computation, Volume-07(02) pp. [2754-2758]
- Mr. S. Eswaran, (2019) "Investigation on material properties of 3D printer by using multijet technology" Journal of Intellectual Advancements and Research in Engineering Computation, Volume-07(02) pp. [2770-2775]
- Mr. S. Eswaran (2019) "Analysis of Welding Parameters of MIAB Welding for T91 Material" Journal of Intellectual Advancements and Research in Engineering Computation, Volume-07(02) pp. [2605-2609]
- Mr. M. Sengottaiyan (2019) "Effect of cutting parameters on wear behavior of coated tool with titanium nitride" Journal]Computation,

rotor" Journal of Intellectual Advancements and Research in Engineering Computation, Volume-07(02) pp. [2824-2829]

- Mr. M. Sengottaiyan (2019) "Wear and thermal analysis of AL/SI/GR Composite material applied in piston ring using ANSYS" Journal of Intellectual Advancements and Research in Engineering Computations, Volume-07(02) pp. [2776-2782]

- Mrs A. D. Latha (2019) "Compressed air production with bumper and power generation using vehicle suspension" Journal of Intellectual Advancements and Research in Engineering Computation , Volume-07(02) pp. [2879-2884]

- Mrs. A. D. Latha (2019) "Design and fabrication of sugarcane planting machine" Journal of Intellectual Advancements and Research in Engineering Computation, Volume-07(02) pp. [2551-2556]

- Mr. M. Shanmugam (2019) "Design, analysis and fabrication of motorcycle 360 degree flexible drilling machine" Journal of Intellectual Advancements and Research in Engineering Computation, Volume-07(02) pp. [2651-2656]

Volume-07(02) pp [2570-2574]

- Mr. M. Sugumar (2019) "Investigation of coconut shell powder over new application" Journal of Intellectual Advancements and Research in Engineering Computation, Volume-07(01) pp. [2618-2622]

- Mr. S. Muruganantham (2019) "Design & Analysis of Rocker Bogie Field Mobile Robot- A Review" International Journal for Scientific Research & Development, Volume 6 (12) pp. [2321-0613]

- Mr. S. Muruganantham (2019) "Design and analysis of Rocker Bogie field Mobile Robot" Journal of Intellectual Advancements and Research in Engineering Computation, Volume-07(02) pp. [2594-2598]

- Mr. S. Muruganantham (2019) "Design and analysis of bullet proof jacket" Journal of Intellectual Advancements and Research in Engineering Computation, Volume-07(02) pp. [2722-2727]

- Mr. M. Manikandan "Simulation of ultracharger" (2019) Journal of Intellectual Advancements and Research in Engineering Computation, Volume-07(02) pp. [2759-2764]

- Mr. Mohamed Ajmal Mahasin. M (2019) "Design and analysis of leaf spring by using composite materials for light weight vehicles" Journal of Intellectual Advancements and Research in Engineering Computation, Volume-07(02) pp. [2557-2562]

- Mr. D. Ravichandran (2019) "Simulation and analysis of four lobe hollow steering shaft by roll forming" Journal of Intellectual Advancements and Research



- Mr. M. Shanmugam (2019) "Fabrication of three axis hydraulic modern trailer" Journal of Intellectual Advancements and Research in Engineering Computation, Volume-07(02) pp. [2733-2736]
- Mr. M. Sugumar (2019) "Design and fabrication of frictionless electromagnetic braking system" Journal of Intellectual Advancements and Research in Engineering.
- Mr. D. Ravichandran (2019) "Experimental and investigation of AL - SI with magnesium composite material heat transfer by using PIN-FIN apparatus" Journal of Intellectual Advancements and Research in Engineering Computation, Volume-07(02) pp. [2680-2683]
- Mr. B. Velliyangiri (2019) "Fabrication of wheel trencher attachment for tractor" Journal of Intellectual Advancements and Research in Engineering Computation, Volume-07(02) pp. [2610-2612]
- Mr. K. Pradeepkumar (2019) "Design and fabrication of portable solar operated chemical sprayer" Journal of Intellectual Advancements and Research in Engineering Computation, Volume-07(02) pp. [2684-2688]
- Mr. R. Arjunraj (2019) "Fabrication of electrical cars wheeler" Journal of Intellectual Advancements and Research in Engineering Computation , Volume-07(02) pp. [2636-2639]
- Mr. R.Vinoth (2019) "Design modification of top and bottom fixture of Hydraulic pressing machine to accommodate lead wire" Journal of Intellectual Advancements and Research in Engineering Computation, Volume-07(02) pp. [2534-2543]
- Mr. M. A Omprakas (2019) "Comparative analysis of wear rate (CR-ZN-NI) coated HSS tool and non- Coated HSS tool" Journal of Intellectual Advancements and Research in Engineering Computation, Volume-07(02) pp. [2544-2550]
- Mr. S. Balakrishnan (2019) "Design & Fabrication of Vertical Axis Wind Turbine (VAWT) with a Different Aerodynamic Model – A Review" International Journal for Scientific Research & Development, Volume 6 (12) pp. [2321-0613]
- Mr. S. Balakrishnan (2019) "Experimental analysis of spur gear made by different composite materials" Journal of Intellectual Advancements and Research in Engineering Computation, Volume-07(02) pp. [2623-2630]
- Mr. S. Balakrishnan (2019) "Comparative analysis of vertical axis wind turbine (VAWT) with a different aerodynamic model" Journal of Intellectual Advancements and Research in Engineering Computation, Volume-07(02) pp. [2783-2789]
- Mr. G. Kannan (2019) "Safety guard for power press machine" Journal of Intellectual Advancements and Research in Engineering Computation, Volume- [2748-2753]

- Mr. B.Sakthivel (2019) "Experimental analysis of welding parameters of dissimilar alloys by FSW & TIG welding" Journal of Intellectual Advancements and Research in Engineering Computation, Volume-07(02) pp. [2814-2817]
- Mr. R. Arjunraj (2019) "Fabrication of PNEUMATIC bumper in four wheeler" Journal of Intellectual Advancements and Research in Engineering Computation, Volume-07(02) pp.
- Mr. G. Kannan (2019) "Design and fabrication of 3D printer and hand writing machine" Journal of Intellectual Advancements and Research in Engineering Computation, Volume-07(02) pp. [2529-2533]
- Mr. A. Karthy (2019) "Fabrication of exhaust GAS heat recovery by TEG" Journal of Intellectual Advancements and Research in Engineering Computation, Volume-07(02) pp. [2673-2679]
- Mr. A. Karthy (2019) "Design and fabrication of semi-automatic gear shifting mechanism for physically challenged persons vehicle with reverse motion" Journal of Intellectual Advancements and Research in Engineering Computation, Volume-07(02) pp. [2737-2742]
- Mr. R.Vinoth (2019) "Review of Synthesis and Mechanical Properties of Graphene Reinforced Magnesium Composites" International Journal of Scientific Development and Research, Volume 3 (11) pp.[136-141]
- Mr. R. Vinoth (2019) "A Study of Banana Fiber: A Review" International Journal for Scientific Research & Development, Volume 6 (09) pp.[127-131]
- Mr. R. Vinoth (2019) "Fabrication and Testing of Bio-Composite Leaf Spring for Automobile Application" International Journal for Scientific Research & Development, Volume 7 (2) pp.[1878-1885]
- Dr. K. Jagan, (2018) "Soret and Dufour Effect on MHD Jeffrey Nanofluid Flow towards a Stretching Cylinder with Triple Stratification, Radiation and Slip" Defect and Diffusion Forum, Volume 387, pp [523-533]
- Dr. K. Jagan (2018) "Effect of Thermal Radiation on Magneto-Convection of a Micropolar Nanoliquid towards a Non-Linear Stretching Surface with Convective Boundary" International Journal of Engineering & Technology, Volume 7 (4.10), pp.[417-421]
- Dr. K. Jagan (2018) "Effect of second order slip and non-linear thermal radiation on mixed convection flow of MHD Jeffrey nanofluid with double stratification under convective boundary condition" IOP Conf. Series: Materials Science and Engineering, Volume 390, pp. [1-6].
- Dr. K. Jagan (2018) "Effect of thermal radiation and slip on unsteady 3D MHD pod" research journal of chemistry and from copper pod"



- Mr. T. Venkateshan (2019) "Fabrication and analysis of hybrid two wheeler" Journal of Intellectual Advancements and Research in Engineering Computation, Volume-07(02) pp. [2631-2635]
- Mr. T. Venkateshan (2019) "Fabrication of button operated electro-magnetic gear shifting system and increasing the efficiency of IC engine by using hydrogen fuel" Journal of Intellectual Advancements and Research in Engineering Computation, Volume-07(02) pp. [2728-2732]
- Mr. R. Rajkumar and S. Balakrishnan (2019) "Preparation of biodiesel from non edible extracts" Journal of Intellectual Advancements and Research in Engineering
- stretching sheet in a porous medium with convective boundary condition" IOP Conf. Series: Journal of Physics: Conf. Series 1139 pp.[1-8].
- Mr. Mohamed Ajmal Mahasin. M (2018) "Exploring the Mechanical Properties of Vero Clear Material by using multijet 260 Technology " International Journal for scientific research & Development Vol 6, Issue 12, 2018/ ISSN (online) : 2321-0613
- chemistry and nanofluid flow over a non-linear environment Vol 23 (2), February (2019)
- Mr. M. Manikandan "Performance of Lubricant from Vegetable oils by using four ball testing Machine" (2019) International Journal for scientific research & Development Vol 7, Issue 02, 2019/ ISSN (online) : 2321-0613
- Mr. M. Manikandan "Mechanical loading characteristics of total hip prosthetics subjected to dynamic loading cycles" (2019) Bio-Medical Materials and Engineering 29 (2018) 723-737 DOI 10.3233/BME-181019
- Dr. K. Jagan (2019) "Effect of Non-linear Radiation on 3D Unsteady MHD Nanoliquid Flow over a Stretching Surface with Double Stratification" Applied Mathematics and Scientific Computing pp. [109-116].
- Dr. M. Easwaramoorthi (2018) "Alternative materials for Mini tractor brake drum- A Review Vol 6. Issue 10, 2018 ISSN (online) :2321-0613.
- Mr. R.Vinoth "Enhancement of Mechanical properties of magnesium matrix composites " south Asian J.Engg Technol 342-345
- Mr. Mohamed Ajmal Mahasin. M (2018) "Design and Fabrication of Leaf spring by using composite materials " International Journal for scientific research & Development Vol 6, Issue 09,2018/ ISSN (online) : 2321-0613

- Mr. Saravanan . N (2018)" Adsorption of Malachite green using activated carbon from copper pod" e- ISSN 2278-5736 Volume 11, Issue 8 Ver. I (August 2018)PP 33-45
- Mr. Saravanan . N (2018)" Adsorption of Methyl violet from waste water using activated carbon prepared

### **INTERNSHIP RECRUITMENT**

B.E Mechanical Engineering students are eligible to pursue internship for duration of one year in the industry starting from July to July. Internship stipend paid by these companies range from Rs. 10,000 to 20,000 Per Month. Based on the performance of the students in the internship the students will be absorbed and offered full time employment option by the end of their internship period. This year companies like Fortuna Engineering Nashick Pvt Ltd Pune, AEE BEE , M/s Sai Sharan Electronics, M/s Rabwin Industries Pvt Ltd., M/s Shree Harie Steel and Alloys, M/s Sri Kumar Engineering Works, A.P. Engineers, Rengarajan Power plant, Apex Industries, Coimbatore, etc.,

### **INDUSTRIAL VISIT**

In relation to the academics, in every semester the students are visiting to various industries to develop their knowledge and to learn about the Industrial process what they are doing in their Industries. This will help them in getting job opportunities at industries.

### **PLACEMENT AND CAREER GUIDANCE**

The Placement and Training centre of our institution is headed by Thiru. S.Thirumoorthi, Secretary. The centre organizes various training programs, like mock interviews, personality development courses, seminars, group discussions, invited talks and road shows of prospective employers. This will help students to achieve success in the placement.

90% of Mechanical Engineering students have been selected through placement drive by the following companies.

Tech Mahindra, NS Instruments, Young Mind Solutions, OM Innovation Call Services Pvt. Ltd, Aagna Corporate Services, TCS, Saran Solar Solutions, Saraswathi Automation, GK Engineering, Sundarapuram, Coimbatore, Tenneco Automotive India Pvt Ltd, Classic Engineering, Universal Power Corporation, Sipcot Industrial Growth Centre, Dollar Industries Ltd, CADD centre training services etc.,

### **INTERNSHIP RECRUITMENT**

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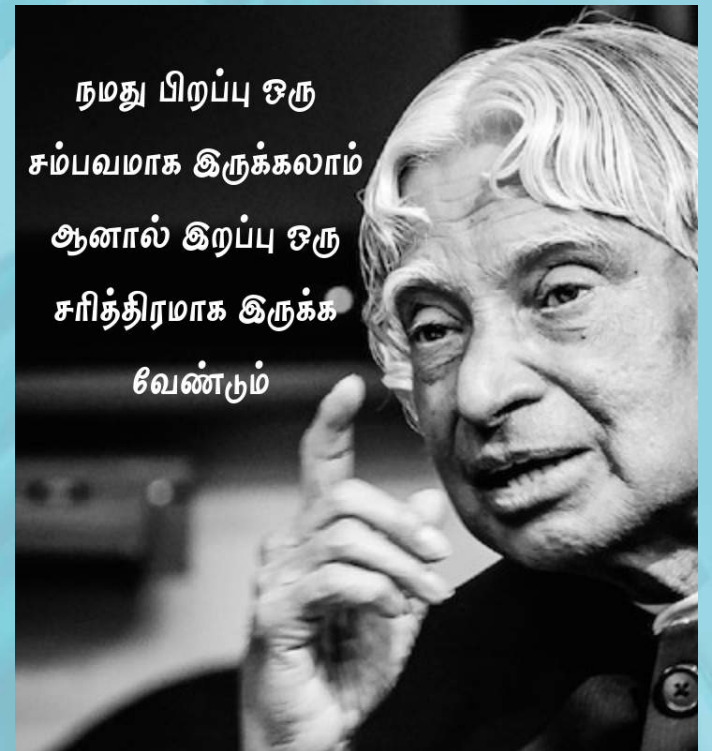


**INDUSTRY AND INSTITUTE INTERACTION**

Numerous initiatives aiming at promoting interaction between the department and the industries are taken. This will have a great bearing on the Engineering Curriculum, exposure of industrial atmosphere to engineering students and subsequent placement of young graduating engineers in industries across the country. These objectives have been fulfilled by having fruitful partnerships with a few reputed industries. students an opportunity to learn practically through interaction, working methods and employment practices. Moreover, it gives exposure from an academic point of view. In-Plant training is being made compulsory for Mechanical Engineering students during summer vacations. This not only helps the students in acquiring knowledge about new technologies but also acts as an insight into management aspects. Students are expected to undergo training for a period ranging from 15 days to 1 month in an industry and submit a detailed report for evaluation after completion of their training in the following companies, Rabwin Industries Pvt Ltd., M/s Shree Harie

Mec Engineering Works, Tirupur, Diesel LOCO Shed, Southern Railway Erode, UNIQ Technologies, Chennai, Ambal Autos Ooty, Super Automobile And Engineering .

Periyasamy Hydraulic Equipments, Tirupur, Penninsula Engineers Texstar, Coimbatore, Venkatachalam TVS, Kovilpatti, Code Binding Technologies Chandran Graphic Tool, Tirupur ,Emmppe Associates Ambal Autos Coimbatore, SPB Alloys Steel PVT. Ltd, Coimbatore, Paranthaaman Exporters.



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