



DEPARTMENT OF MECHANICAL ENGINEERING
KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE : WARANGAL
(An Autonomous Institute under Kakatiya University, Warangal)
Opp. Yerragattu Hillock, Warangal, Telangana-506015

PAGES

MAGAZINE

JULY 2018

THE PRO-DIGY

-a sign of something happend....

Faculty Editorial Team :

1. Dr. K. Eswaraiyah , Prof. & Head MED
2. Dr. K. Sridhar , Prof. MED , Dean Student Affairs
3. Sri. S. Ramesh , Asst. Prof MED
4. Sri. K. Kishor Kumar , Asst. Prof MED

Student Editorial Team :

1. M. Sai Teja Reddy (IV/IV MECH I)
2. G. Anurag (IV/IV MECH II)
3. K. Akhil Raja (IV MECH II)



Estd: 1980

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL-15
(An Autonomous Institute under Kakatiya University, Warangal)

Capt. V. Lakshmikantha Rao
Secretary & Correspondent



MESSAGE

I am very glad that the department of Mechanical Engineering of this Institute has unveiled “THEPRODIGY 2018”, an annual departmental magazine displaying significance of the department and its involvement in improving the value of this institute. It gives me a pleasure reading this magazine consisting of a lot of valuable content and I wholeheartedly appreciate the department and its editorial team for building this icon of fame.

I am fully convinced that this institution is self-sufficient in the objectives and values of true education and this work is indubitably a concrete form of this Learning Center’s great Endeavour. I am sure that this book of great value inspires everyone to achieve more and set new bench marks to all the forthcoming generations.

I congratulate the students and Staff and wish a grand success.

Capt. V. LAKSHMIKANTHA RAO
Secretary & Correspondent, KITSW
MP (Rajyasabha)



Estd: 1980

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL-15
(An Autonomous Institute under Kakatiya University, Warangal)

Sri P. Narayana Reddy
Treasurer



MESSAGE

From the inception of the institute in 1980, the Mechanical Engineering Department has been involved in imparting quality education and research through various programmes.

I believe that this work of bringing out a departmental magazine “THEPRODIGY” will be of great help to students as they can understand its vision, its mission and the varied ideas of the student community in the best way by witnessing all the happenings of the department in this year and realizing their true essence.

I deem it as a privilege to compliment the faculty and staff for the efforts and commitment put forth for making this a success. I wish the department all the success and I hope everyone enjoys learning from this magazine.

P. Narayana Reddy



Estd: 1980

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL-15
(An Autonomous Institute under Kakatiya University, Warangal)

Dr. Y. Manohar
Director



MESSAGE

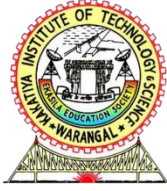
I am happy to note that Mechanical Engineering department has come up an annual departmental magazine. Is it an appreciable attempt to publish the activities of the department which includes the voice and thought process of its students.

This attempt definitely inspires everyone and people who read it can get the opportunity of learning a lot about their department and knowing its significance.

It's an encouraging sign and a wonderful platform for the students to come up with their voice and express themselves and indeed this attempt serves as a feedback means for the faculty.

I believe that this work is useful for the expected audience. I accolade the novel idea and congratulate the team for their efforts to make this work a successful one and I wish the department a great success.

Dr. Y. Manohar



Estd: 1980

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL-15
(An Autonomous Institute under Kakatiya University, Warangal)

Dr. P. Venkateswar Rao
Principal



MESSAGE

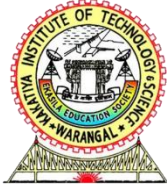
The Mechanical Engineering department of KITSW has distinguished itself through its achievements and contributions in academics, research and social responsibility.

I feel that bringing out a magazine at departmental level is a breakthrough idea which connects every single person in the department and the content in it surely motivates everyone to put their best effort to improve the performance of the department.

I feel students are the primary benefiteres of this work through which they can communicate, learn about the department and finally add another useful skill to themselves by contributing to this work.

As I look forward, I can visualize that this effort by the team will grow the standards of the department and improve its efficiency, quality, and strength.

Dr. P. Venkateswar Rao



Estd: 1980

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL-15
(An Autonomous Institute under Kakatiya University, Warangal)

Prof. K. Eswaraiah
Head MED



MESSAGE

As the Head of Mechanical Engineering department of this institute, I'm always immensely delighted for its distinction and excellence and feel that great responsibility of improving the standards and efficiency of the department is on my shoulders.

Our annual departmental magazine is one among those extraordinary works which glorifies the department as the title "THEPRODIGY" explains the motto very intensely.

I'm extremely happy that this tradition serves as a good purpose to unite the entire department and displays the strength in our students' thought process.

I wholeheartedly congratulate our team and appreciate for their efforts and I wish all the best.

Prof. K. Eswaraiah

Preface

It is always an honour to be a part of success of our department and it is with that great spirit the present "THEPRODIGY" is built. People get truly inspired when they are informed or described about the success of the family, institute or the system with which they are strongly associated and it is the same foundational belief which motivated the publication of this annual departmental magazine.

As envisioned by the pioneers and veterans of this institute this is a pure attempt to enable our students to come up with their novel instincts and express them with their communicative ability on this big stage of extreme significance.

As "THEPRODIGY " is in its very fourth edition, it has a much bigger role of glorifying the might of Mechanical engineering department and its values and standing as an icon of the department's pride and its well established identity.

To realize this biggest aspiration, the editorial team of THEPRODIGY has committed to have honour of describing every noteworthy aspect of this department in words of gratitude and to eternalize them to remain as source of inspiration for all the forthcoming generations.

Our sincere thanks to the management and the department for their support and for believing in the abilities of students which we consider as a precious boon to us and it really made us capable of unveiling this pride.

We hope every student in his reader role keeps inspiring himself and enjoys learning.

LEARNING NEVER ENDS

-CHIEF EDITORS

Department of Mechanical Engineering



Profile of the Department

The Department of Mechanical Engineering came into its existence right from the inception of the KITSW in the year 1980 and serving as catering department to other disciplines. The Department is one of the largest in terms of faculty, students, and activities, continues to lead and expand its activities in various directions. The department currently runs three sections undergraduate programme, one post graduate program in M. Tech (Design Engineering) and offering a Ph. D programme. Research scholars have registered and are pursuing their Ph. D work in the areas of Thermal, Production and Design. The B. Tech (Mechanical Engineering) course was accredited four times by NBA.

Department has a total of 35 qualified, experienced and committed senior faculty and 11 of them are with Ph. D. degrees. Rest of faculty members possess M. Tech. Degrees and are pursuing their Ph.D. programme. The faculty members are grouped under three broad specializations for academic purpose namely Design stream, Production stream and Thermal stream. They have been engaged in research in all the classical areas of Mechanical Engineering and upcoming areas like alternative fuels, solar energy, unconventional machining, composite materials and powder metallurgy. The department has got grants under MODROBS from AICTE.

The department is very well equipped with resources both in terms of conventional equipments and latest software's. Department has more than 80 computing systems and workstation loaded with wide range of engineering software products covering all areas of mechanical engineering like ANSYS, CATIA, AUTOCAD, PROMODEL, AUTOMODE and EDGE CAM. The department has a central workshop facility well equipped with the basic infrastructure to impart technical training to the students of all disciplines. The academic activities are supported by 13 laboratories and the department has 10 skilled technical staff to associate with different laboratories.

The Department has strong industry-institute linkage and is extending services for industrial consultancies. The students are consistently securing National ranks in the GATE/GRE examinations and are well placed in all the premier institutes (IIT's/IISc) in the country and abroad. Most of the students, who graduate from the department, end up taking leading positions in industry, research organizations, academia, entrepreneurs and government in both India and abroad.

Milestones of the Department:

Year of Establishment: 1980

- 1980 : Department started with Two B.Tech programmes in
 1. Production Engineering
 2. Industrial Engineering.
- 1983 : The two B.Tech Programmers are merged to Mechanical Engineering.
- 1985 : Started B.Tech programme in Mechanical Engineering for Diploma Students.(Lateral entry Scheme)
- 1992 : Curriculum Revised
- 1997 : Conducted National Workshop on CADD
- 2000 : Conducted AICTE sponsored Short term Training Programme on TEUCEMS
- 2000 : Curriculum Revised
- 2001 : Accredited by National Board of Accreditation (3 Years)
- 2002 : B.Tech Programme in Production Engineering is introduced
- 2003 : National Conference on Trends in Mechanical Engineering TIME-03
- 2003 : National Level Students Technical Symposium MECHOVISION-03
- 2004 : Second National Conference on Trends in Mechanical Engineering TIME-04
- 2004 : M.Tech Programme in Design Engineering is introduced
- 2004 : Recognized as Research center by Kakatiya University
- 2004 : Curriculum Revised
- 2005 : Third National Level Students Technical Symposium MECHOVISION-05
- 2006 : Re-Accredited by National Board of Accreditation (3Years).
- 2008 : B.Tech programme in Production Engineering is Surrendered and opted Additional intake of 60 in Mechanical Engineering
- 2008 : National Level Students Technical Symposium MECHOVISION-08
- 2009 : Inauguration of SAE India Collegiate Club
- 2009 : All India 2nd Rank in GATE-09
- 2010 : National Level Students Technical Symposium MECHOVISION-10
- 2010 : National Conference on Trends In Mechanical Engineering TIME'10
- 2011 : National Level Students Technical Symposium YANTRANG'11
- 2012 : National Level Students Technical Symposium MERIDIAN'12
- 2012 : Re-Accredited by National Board of Accreditation (3Years).
- 2012 : Organized National Level Students Technical Symposium MERIDIAN'12
- 2012 : Organized SAE Student Convention Tier-I Event on 8th & 10th Sep.2012.
- 2013 : MOU Signed with Fiber Glass Industries Association of Andhra Pradesh (FIAAP) Hyderabad on 25th February.
- 2013 : M/s Hyunda Motors recognized the Department as a Potential center for taking up research i activities and provided a Santro Xing engine.
- 2013 : Organized National Level Students Technical Symposium SUMSHODHINI-13.
- 2014 : MOU Signed with Vasantha Tool Crafts Pvt. Ltd., Hyderabad on 12th July.
- 2014 : Organized National Level Students Technical Symposium YANTRAANG-14
- 2016 : Indian Institute of Plant Engineers (IPE) recognized department of Mechanical Engineering as the nodal point for local student chapter at KITS, Warangal on January, 2016.
- 2016 : Organized National Level Students Technical Symposium SUMSHODHINI-16
- 2016 : Organized National level Faculty Development Programme Research Methodology & Computational Techniques (RMCT-16).
- 2017 : Organized National Level Students Technical Symposium SUMSHODHINI-17
- 2017 : Organized National Level Students Technical Symposium SUMSHODHINI-17 ver.2.
- 2017 : Organized National Level Students Workshop on Composite Materials
- 2017 : Organized National Level Students Workshop on 3D Printing
- 2018 : Organized National level Faculty Development Programme on Engineering Drawing

VISION OF THE DEPARTMENT

- To be a centre of excellence in Mechanical Engineering, to provide the best teaching-learning and research environment, to produce high quality professionals and entrepreneurs to cater the needs of society.

MISSION OF THE DEPARTMENT

- To impart quality education that builds strong ethical attitude, technical knowledge and professional skills by providing congenial teaching-learning environment.
- To nurture the reasoning, problem solving and research capabilities of learners by providing the state-of-the-art facilities, to meet the changing needs of society.
- To inculcate life-long learning and leadership traits for successful professional careers, by counseling and mentoring.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

PEO1: To provide comprehensive knowledge in basic sciences, mechanical engineering and multi disciplinary areas.

PEO2: To apply modern tools and techniques to design, analyze, interpret and solve mechanical and allied engineering problems and communicate them effectively.

PEO3: To impart responsibility towards socio-technical, economical, environmental and energy related issues

PEO4: To inculcate professionalism, ethical attitude, team spirit and lifelong learning to achieve career goals.

PROGRAM OUTCOMES (POs)

Engineering Graduates will be able to:

PO1: Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.

PO2: Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.

PO3: Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4: Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO6: The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7: Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10: Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO11: Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12: Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO1: To apply learned principles and knowledge in various applications of materials, design, thermal, production and industrial engineering.

PSO2: To model, analyze, design, develop and implement advanced mechanical systems or processes.


Seers of this sacred place

Our department is a sacred hermitage with all our beloved faculty members as wise seers and rishis who make others wise with their altruistic deeds. They teach us how to be perfectly disciplined and maintain the strongest and an ideal bond between a student and teacher. Our faculty at the institute takes the role of our parents and gives the utmost care and guidance which enables us to be free in their protection and to excel in the area we choose. Despite trying to change the students' thought process for their distractions they undergo miraculous transformation to support them even at the time of their wrong doings to make them realize that they must rectify and travel a constructive way.

It is always a special privilege for students to interact with these most distinguished people and to have the rarest learning experience and every student who is blessed with the tutelage from these great men takes his pride in being highly grateful for them in his life.

FACULTY PROFILE

| Photo | Name/Designation | Photo | Name |
|---|---|---|---|
|  | Dr. K. Eswaraiiah Professor & Head Ph.D (Production Engg.) |  | Dr. K. Sridhar Professor & Dean Student Affairs Ph.D (Energy Systems) |
|  | Dr. P. Venkateswara Rao Professor Ph.D (Alternate Fuels) |  | Prof. R. Ravinder Rao Professor & I/C Alumni Affairs M.Tech (Production Engg) |
|  | Dr. K. R. Narender Reddy Professor & Controller of Examinations Ph.D (Natural Fiber Composites) |  | Dr. P. Srikanth Professor, Training & Placement Officer Ph. D (Production Engg.) |
|  | Dr. G. Ganesh Kumar Associate Professor Ph. D (Heat Transfer) |  | Dr. U. Shrinivas Balraj Associate Professor Ph.D (Electrical Discharge Machining) |
|  | Sri P.S.S. Murthy Assistant Professor M. Tech (Ph.D) (Mechanical Vibrations) |  | Sri J. Laxman Assistant Professor M. Tech. (Ph.D) (Electrical Discharge Machining) |
|  | Sri S. Chandramouli Assistant Professor M. E. (Ph.D) (Electrical Discharge Machining) |  | Dr. P. Prabhakar Rao Assistant Professor Ph.D (Foundry & Forge Tech.) |
|  | Dr. G. Srinivasa Rao Assistant Professor Ph.D (Heat Transfer) |  | Sri Ch. Karunakar Assistant Professor M. E. (Production Engg.) |











| | | | |
|---|--|---|--|
|  | Sri G. Vinod Kumar Assistant Professor M. E. (Ph.D) (Solar Energy) |  | Sri S. Ramesh Assistant Professor M. Tech. (Ph.D) (Heat Transfer) |
|  | Sri A. Hari Kumar Assistant Professor M. E. (Ph.D) (Design Engg.) |  | Sri S. Anil Kumar Assistant Professor M. Tech. (Ph.D) (Solar Energy) |
|  | Sri K. Kishor Kumar Assistant Professor M. Tech. (Ph.D) (Composite Materials) |  | Sri M. Anil Kumar Assistant Professor PGTD (Tool Design) |
|  | Sri V. Sampath Assistant Professor M. Tech. (Ph.D) (Electrical Discharge Machining) |  | Smt. P. Anitha Assistant Professor M. Tech. (Ph.D) (Metal Matrix Composites) |
|  | Sri S. Sripathy Assistant Professor M. Tech. (Ph.D) (Composite Materials) |  | Sri B. Ravi Kumar Assistant Professor M. Tech. (Design Engg.) |
|  | Sri V. Srikanth Assistant Professor M. Tech. (Ph.D) (Composite Materials) |  | Sri V. Prasanna Assistant Professor M. Tech (AMS) |
|  | Sri D. Sammaiah Assistant Professor M. Tech (AMS) |  | Ms. P. Divya Assistant Professor M. Tech. (Design Engg.) |
|  | Ms. V. Laxmi Priyanka Assistant Professor M. Tech. (Machine Design) |  | Sri V. Rakesh Assistant Professor M. Tech. (Design Engg.) |
|  | Sri P. Anil Kumar Assistant Professor M. Tech. (Engineering Design) |  | Sri S.K. Avez Shariq Assistant Professor M. Tech. (Cryogenic & Vacuum Technology) |
|  | Sri P. Sreedhar Assistant Professor M. Tech. (Industrial Metallurgy) |  | Sri V. Rajesh Assistant Professor M. Tech (AMS) |
|  | Ms. G. Kavyasree Assistant Professor M. Tech. (Design Engg.) | | |

Our selfless supportive staff

These people in our department are never less when compared to other giants, in terms of the effort they put in for the development of the department. No work takes a perfectly completed shape unless these great people respond and react with their selfless responsibility. Gratitude for them can't be completely given in return for their tireless work and are ever ready to take any responsibility on their shoulders and keep the working spirit of the department. They are true reason for transforming this technical ecosystem into a family by helping the students at all the times. They explain the working principles of laboratory equipment and stand as the real reason for lively explaining the concepts that we learn in the class rooms and every student of the department pays their respect to these people. They share everything that they have been learning since ages in the department and make our experimental decision a very simple one.

No academic project goes successful without their struggle along with students and makes them confident in pursuing their projects. No information gets properly circulated among everyone in the department without their patient action. Be it an academic work or be it a department related work; it takes its perfect statutory shape for a standard reference when it is taken care especially by the staff of department's office.

They proudly render their duties and express their happiness in working for the department



| | | | |
|---|---|---|--|
|  | Sri M. Madhukar Computer Programmer M.C.A |  | Sri K. Shankarachary Instructor I.T.I |
|  | Sri A. Rathnakar Instructor I.T.I |  | Sri D. Kishan Mechanic I.T.I |
|  | Sri M. Madhusudan Sr. Mechanic D.M.E |  | Sri A. Pochalu Sr. Mechanic I.T.I |
|  | Sri K. Venkata Ramana Mechanic I.T.I |  | Sri Md. Vilayath Ali Instructor D.M.E |
|  | Sri K. Ravi Kumar Mechanic D.M.E |  | Smt. G. Saroja Data Entry Operator (B.Com) |

Our labs, a practical playfield of our concepts

Our department is superior to many premier institutes in this state in terms of its standard laboratory equipment which is the department's biggest potential. With top class equipments available, students in the department always spend their time in labs by involving themselves with one or the other practical work. Such an extraordinary laboratory facilities allow both faculty and students to carry out their research work with lot of ease regardless of its complexity in its pursuance.

It's always a proud feeling to witness all those facilities in our own department.

| S. No | Name of the Laboratory | Name of the important equipment | Labs at Glance |
|-------|------------------------|--|--|
| 1 | CAD LAB | <ol style="list-style-type: none"> 1. P-4 Server 2. P-4 Workstations 3. 10 KVA Scan Power Ups 4. Networking Hubs 5. Softwares |  |
| 2 | CAM & SIMULATION | <ol style="list-style-type: none"> 1. STARTURN CNC Turning Centre 2. CNC Milling Machine 3. P-IV Computers |  |
| 3 | DYNAMICS OF MACHINERY | <ol style="list-style-type: none"> 1. Gyroscope 2. Whirling of shafts apparatus 3. Governor apparatus 4. Cam analysis machine 5. Static & dynamic balancing apparatus 6. Vibration lab |  |
| 4 | ENGINEERING METALLURGY | <ol style="list-style-type: none"> 1. Microscopes 2. Belt Grinder 3. Disc Polisher 4. Sample Mounting press 5. Muffle furnace 6. Specimen leveller 7. Specimen Drier 8. Rockwell hardness testing Equipment 9. Single pan balance 10. Electric tube furnace with controlled atmosphere facility 11. Bench Grinder |  |

| | | | |
|---|---------------|---|--|
| 5 | HEAT TRANSFER | <ol style="list-style-type: none"> 1. Thermal conductivity of insulating powder 2. Heat transfer in natural convection 3. Heat transfer from the Pin-Fin Apparatus 4. Heat transfer in forced convection 5. Heat transfer through composite walls 6. Critical heat flux apparatus 7. Emissivity measurement Apparatus 8. Thermal conductivity of metal rod 9. Parallel and counter flow heat exchanger 10. Thermal conductivity apparatus 11. Heat transfer through Vacuum 12. Heat transfer through Heat pipe. |  |
| 6 | IC ENGINES | <ol style="list-style-type: none"> 1. Single Cylinder Diesel Engine 5 H.P. with Rope Brake 2. Single Cylinder Diesel Engine 5 H.P. with Electrical Dynamometer for Valve Time Diagram 3. Twin Cylinder Diesel Engine 10 H.P. with Hydraulic Dynamometer 4. Single Cylinder Petrol Engine 3 H.P. without Dynamometer 5. Four Cylinder Petrol Engine 10 H.P. with Hydraulic Dynamometer (Ambassador) 6. Two Stage Reciprocating Air Compressor |  |

| | | | |
|----|--------------------------|---|--|
| 7 | FUELS | <ol style="list-style-type: none"> 1. Ramsbottom Carbon residue test, 2. Bomb calorimeter, 3. Cleave Flash and Fire point apparatus, 4. Redwood viscometer, 5. Say bolt viscometer, 6. Junkers Gas Calorimeter, 7. Abel's Flash point apparatus |  |
| 8 | MACHINE SHOP | <ol style="list-style-type: none"> 1. MMM Lathe Machines 2. Jayam skin lathe machines 3. All geared Lathe Machines 4. Shaper machine 5. Horizontal Milling machine 6. Bench Grinder 7. Radial Drilling Machine 8. Tool & Cutter Grinder 9. Slotter 10. Three Component Digital Lathe tool Dynamometer |  |
| 9 | MEASUREMENTS & METROLOGY | <ol style="list-style-type: none"> 1. Sine Bar, 2. Universal bevel protractor 3. Protractor, 4. Digital Vernier 5. Micrometer 6. Three wire set thread pitch micro meter |  |
| 10 | MECHATRONICS | <ol style="list-style-type: none"> 1. LSM Controller-capable of 6 Axes (Max) & PLC, 2. Programmable Logic controller with Ladder Diagram S/W, 3. 5KVA online UPS 4. P- Simulator 5. H-Simulator 6. P-IV Computers |  |

| | | | |
|----|----------------------------------|--|--|
| 11 | REFRIGERATION & AIR CONDITIONING | <ol style="list-style-type: none"> 1. Air-Conditioning tutor (Lab unit) 2. Window-Air conditioning testing 3. Electrolux vapor absorption Refrigeration test rig 4. Vapor compression refrigeration Test rig 5. Vortex tube refrigeration system |  |
| 13 | WORKSHOP | <ol style="list-style-type: none"> 1. AC Welding Machine 2. portable grinding Machine 3. Power hacksaw machines shearing equipment 4. flywheel press 5. Vernier Height Gauge 6. anvils, 7. Surface Plate 8. Disc cutter |  |
| 14 | MANUFACTURING PROCESS | <ol style="list-style-type: none"> 1. Sand weighing scale 2. Clay washer model 3. Mould Hardness tester 4. Shatter index tester with brass sieves 5. Shatter index tester M.S. sieves 6. Sand mixer 7. Sand Rammer 8. Sand Permeability tester 9. Universal sand strength Machine 10. Digital single Pan balance 11. AC,DC Welding Machines, 12. Bend test equipment |  |
| 15 | Research Lab | <ol style="list-style-type: none"> 1. Acer desktop Systems -30 2. Creo 1.0 3. Ansys 14.0 4. 10Kva online UPS |  |

Mechanical Engineering Students Association (MESA)

The Mechanical Engineering Student Association (MESA) is the premier body of Mechanical Engineering department in KITSW and is formed out of voluntary enthusiasm and extreme passion of its students to discover the deepest knowledge of their interests.

Under the extraordinary guidance of Head of the department, faculty and with their unconditional and invaluable support, students here in the association improve their every skill and strive with an obsession of carving their capabilities to perfection and mastery.



KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL-15

DEPARTMENT OF MECHANICAL ENGINEERING

(An Autonomous Institute under Kakatiya University, Warangal)

MECHANICAL ENGINEERING STUDENTS ASSOCIATION (MESA)

The executive council of MESA is constituted for the academic year 2017-18. The following are the office bearers nominated for various positions of MESA.

| Prof. K. Eswaraiah, Head, MED | | | |
|--|----------------------------|--------------|-----------------------------------|
| Dr. P. Prabhakar Rao, Asst. Prof, Faculty In-charges (MESA) | | | |
| Sri S. Ramesh, Asst. Prof Faculty In-charges (MESA) | | | |
| S.No | Position | Section | Name of the Student |
| 1. | President | 4M2 | G. Anurag (B14ME075) |
| 2. | General Secretary | 4M1 | M. Sai Teja Reddy (B14ME004) |
| | | 4M2 | J. Swacchatha (B14ME072) |
| 3. | Joint Secretary | 3M1 | K. Shravan Anand (B15ME007) |
| | | 3M2 | SNB Sri harsha Sharma (B15ME107) |
| 4. | Public Relations In-charge | 3M1 | T. Aravind Datta(B14ME050) |
| 5. | Executive Members | 4M1 | M. Sai Krishna (B14ME044) |
| | | 4M1 | |
| | | 4M1(Lateral) | B. Vasundhara (B14ME126L) |
| | | 4M2 | N.Vishnu Vardhan Reddy (B14ME076) |
| | | 4M2 | V. Shradesh Kumar(B14ME068) |
| | | 4M2(Lateral) | Asmitha Reddy(B15ME133L) |
| | | 3M1 | V. Rohith Sai(B15ME033) |
| | | 3M1 | P.Ujwala(B15ME055) |
| | | 3M1(Lateral) | V. Pavan Kalyan(B16ME123L) |
| | | 3M2 | V. Sai Shravan(B15ME068) |
| | | 3M2 | E. Jyothika(B15ME092) |
| | | 3M2(Lateral) | |
| | | 2M1 | N. Karthik(B16ME007) |
| | | 2M1 | K. Sony(B16ME009) |
| | | 2M1(Lateral) | Zeenath (B17ME130L) |
| | | 2M2 | H. Sree Spandan Reddy(B16ME089) |
| 2M2 | S. Akhilesh (B16ME073) | | |
| 2M2(Lateral) | D. Sai Spandana(B17ME133L) | | |

Events held under Mechanical Engineering Student Association for the academic year 2017-2018

All the activities in **MESA** have been handpicked by the veterans of the department with meticulous efforts put into the design process and the following gives the detail information and schedule of various programs to be conducted in this year.

An hour i.e. from 12.10 pm to 1.00pm on every Tuesday is completely devoted to **MESA** activity with the information properly disseminated to every corner of student community prior to the event.

| S.no | Date of the event | Name of the event | No. of students participated |
|------|-------------------|---------------------|------------------------------|
| 1 | 29-08-2017 | Group discustions | 75 |
| 2 | 12-09-2017 | Arduino programming | 100 |
| 3 | 19-09-2017 | Arduino programming | 100 |
| 4 | 03-10-2017 | Arduino programming | 100 |
| 5 | 10-10-2017 | Word buzz | 80 |
| 6 | 17-10-2017 | JAM (Just a minute) | 90 |
| 7 | 24-10-2017 | Guest lecture | 250 |
| 8 | 31-10-2017 | Story telling | 120 |
| 9 | 07-11-2017 | Cultural events | 150 |
| 10 | 02-01-2018 | Portrait commenting | 100 |
| 11 | 09-01-2018 | Solid works | 120 |
| 12 | 16-01-2018 | Solid works | 120 |
| 13 | 23-01-2018 | Solid works | 120 |
| 14 | 30-01-2018 | Debate | 100 |
| 15 | 06-02-2018 | Presentation | 130 |
| 16 | 13-02-2018 | presentation | 130 |
| 17 | 20-02-2018 | ANSYS | 100 |
| 18 | 06-03-2018 | ANSYS | 100 |
| 19 | 13-03-2018 | ANSYS | 100 |
| 20 | 20-03-2018 | TEP MARKETING | 120 |
| 21 | 27-03-2018 | Story telling | 100 |
| 22 | 03-04-2018 | Guest lecture | 200 |

Mechanical Engineering Student Association actively planed and organized several above mentioned activities to make students enthusiastic in learning other things apart from the curriculum. Main motto of the association is to develop the students in the path of technical and also improvement in the communicational skills. We organized few expert lectures to expose the students of civil engineering to new methodology adopted.

MESA INAGURAL 2017

As a part of INAGURAL FUNCTION of MESA 2017 department has invited Dr. A Hari Kumar Garu, Associate Professor of Mechanical Engineering Department as chief Guest for the function. Dr. A Hari Kumar Garu has pursued his M.Tech from KITS WARANGAL. He had conducted a student interactive session where he discussed on how the students can improve their prospects and what the steps to be taken to improve their knowledge.

Dr A Hari Kumar had also discussed about project ideas and the skills to be improved by a student of Mechanical Engineering.



Dr. Hari kumar , Assoc. Prof, MED –NITW along with faculty and students in the inaugural session of MESA 2017-18

3D printing Workshop

Pre symposium workshop on 3D printing was organized by Department of Mechanical Engineering in association with ISTE-KITSW chapter during 12th to 13th October, 2017. Dr. Y. Ravi Kumar, Asst. Prof , MED-NITW was the resource person for this program. A new 3D printer was procured by the Department with the support of the management. A total of 120 students attended the workshop.

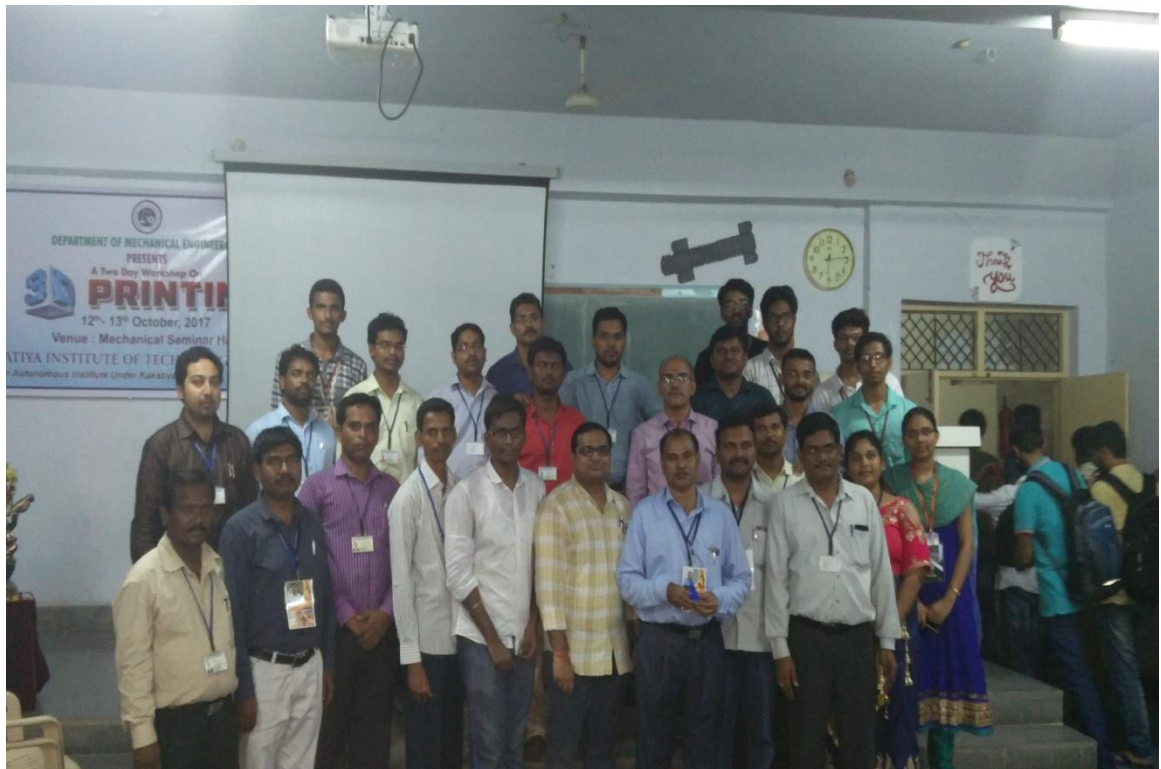
Dr Y. Ravi Kumar had delivered a lecture to students on additive manufacturing, 3D printing, its scope & its applications. Dr Y. Ravi Kumar holds 2 patents in the field of additive manufacturing. He has discussed on various topics like CAD/CAM, additive manufacturing various types of 3D printers, its applications in the field of medicine.



Inaugural session of 3D printing workshop



Director Dr. Y. Manohar along with Dr. K.Eeswaraiyah, Prof & Head, MED During demonstration of 3D printer



Valedictory session of 3D printing workshop

Induction Programme

Induction program for the first year B. Tech Mechanical Engineering students was held on 24.08.2017. Smt. Fahima , Asst. Motor vehicle Inspector Warangal was the chief guest for the session



Students during group Activity



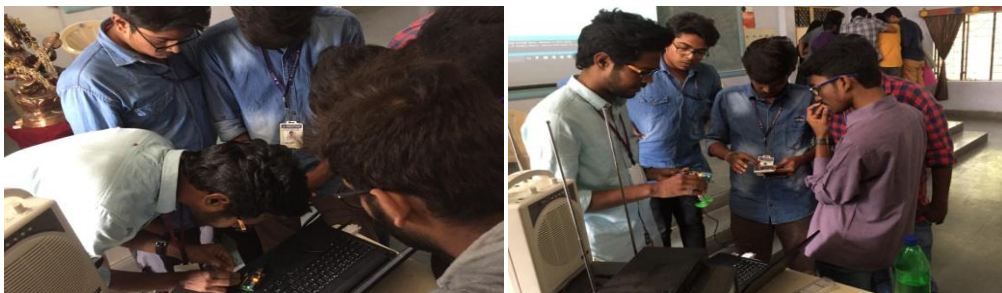
Students attended for the program



During felicitation to the chief guest by Prof. K. Sridhar, Prof. K.V Raghubabu and Dr. P. Srikanth

Arduino Programming Workshop

Department of Mechanical engineering in association with MESA (Mechanical engineering students association) has organised a 3 week session on Arduino programming. Students were given basic introduction to what an Arduino is, how it functions, its basic applications, programming language used in it and much more. The sessions conducted by MESA were useful in injecting the basic idea into the minds of students. So students who really found Arduino interesting can start learning more about it and use it in their future projects



Students working on Arduino

SAE Activities during 2017-18

| ACADEMIC YEAR 2017-2018 | | | | | | | |
|-------------------------|-----------------|---|--|----------------------------------|---|---|------------------------------|
| Sl. No | Event Name | List of students | Year of students | SAE Section | Event Venue | Dates of Event | Position |
| 1 | SAE SUPRA-2017 | T.Nagatharun K.Saikiran K.Kamalesh P.Sai Kiran Reddy P.Vinay Rao P.Tharun Reddy J.Swachatha Laxmi Prasanna A.Vamsi T.Aravind Datta V.Nanda Kumar K. Shashank Y.Ashish G.Varun T.Anad Sai A. Druva Teja V.Amarnath Goud | IV & III & II B.Tech Mechanical | SAE INDIA Northern Section | BIC-Noida | 26 th June to 1 st July- 2017 | Participated |
| 2 | FFS-FMAE-2017 | K.Saikiran (Captain) P.Tharun Reddy P.Saikiran Reddy J.Swachatha T.Dixith B.Raju G.Varun N.Karthik K.Vamshi B.Rohith G.Laxmi prasanna K.Hrushikesh V.Vamshi D.Sai nikhil B.Vasanth G.Harsha vardhan Ch.Nihal Reddy K.Yashwanth kumar M.Akhil | IV & III & II B.Tech Mechanical | ----- | Kari Motors Speed Way- Coimbatore- Tamilnadu | 7-9 OCTOBER R-2017 | 9 th Position |
| 3 | Effi-Cycle-2017 | M. Shiva Prasad Reddy K. Shashank Rao V. Yathendra Aashish G. Abhilash Reddy M. Keerthika J. Roopa Reddy V. Nanda Kumar Yadav A. Vamsi T. Anand Sai A. Druva Teja | III & II Mechanical | SAE INDIA Northern Section | LPU- Jalandhar, Punjab | 1 st to 5 th November , 2017. | 30 th Position |

| | | | | | | | |
|---|------|---|--------------------------|-----|-------------------------------|--|---|
| 4 | NKEC | MOGILI SAMPATH AKHILESH SIRIVOLU POGULA NIKHIL CHAKRAVARTHY HEMALLA SREE SPANDAN REDDY REGULA BHOOMIKA BATHINI SAHITHI MOHAMMAD SAJID POLOJU BHANU PRASADA CHARY RAMA SAIKRISHNA MUNUKUNTLA VAMSHI GUDELLI VARUN SANGEPU ADHITYA PASUPNOTI SAI PAVAN KALYAN DOMMATI SUMITH JAKKULA SAGAR SYED IBHRAHIM AMBATI NARAYANA RAJU | II & I Mecha nical | --- | RKDF University, Bhopal | 20 th to 23 rd March, 2018 | Best Team Spirit Award & Overall 7th position |
|---|------|---|--------------------------|-----|-------------------------------|--|---|

Report on National Electric Kart Championship (NEKC'18)

National Electric Kart Championship (NEKC) is the event that challenges young minds to compete as teams in designing an Electric category vehicle, there is no other event like this in the country. To develop a vehicle consisting of various subsystems meeting engineering specifications, timelines and above all meeting safety standards is a challenge not for the faint hearted. And then making the rubber hit the road at the premium race track under the gazing eyes of experienced technical experts and other enthusiasts is a thrill not just for the participants but for the mobility community at large.

This event provides opportunity for the engineering students by setting up the trend of using eco- friendly vehicle in India and come up with some innovative designs.

As a one year long challenge across multiple stages comprising of design defence, qualifying virtual, multiple rounds of technical inspections and actual construction of vehicle, this event helps shape future engineers through competitive spirit and encompasses all elements of a vehicle building for aesthetics in design, to the choice of parts through structure design and modelling, to fabrication and testing. This event sets the stage to assess the capability for teamwork, Entrepreneurship, leadership and management skills of student.

NEKC is an Inter collegiate design and fabrication competition for the undergraduate and graduate engineering students where team of 5-25 students have to design and fabricate an KART vehicle battery powered four wheeled electric vehicle.

Total 26 teams were selected based on virtual round held in the month of November 2017.our team secured 13th position in the virtual round. The event was held at RKDF University, Bhopal from 20th March, 2018 to 23rd March, 2018. A team of 17 students, along with one faculty advisor had participated in the event.



During vehicle inauguration in the College



During Technical Inspection



During Endurance Test

The team has secured award for **Best Team Spirit** and cash prize of **5000 rupees**. The students were happy to receive the award. Ours is the only team in which students of 2nd year and 1st year had been participated. Total 27 teams were registered for NEKC 2017 event, out of 27 teams only 19 teams were qualified for the final endurance and KITSW is one among those qualified teams. Finally we stood at 7th position in all over India and in 1st place from Telangana state.



Valedictory function receiving award from Dilpreet Singh -CEO Credible Future & other Dignitaries on the dais

REPORT ON FFS PARTICIAPTION

Force Racing, an official formula student team from the prestigious institute KITSW. It is a team of 40 young talented automobile enthusiasts who will design, fabricate and market a formula student type vehicle. Every year this team participates in three national level design competitions where teams from all over the country comes with a common aim to learn the engineering and managing skills. The competitions are SAE SUPRA, FFS_FMAE, FORMULA BHARAT.

After many iterations and changes in the design, team has started the fabrication work. The work has been continued nearly a month. After many issues and rigorous changes, FR'17 came to live. The event FFS_FMAE is held from 06/10/2017 to 09/10/2017 at KARI MOTOR SPEEDWAY, Coimbatore.

On 04th October 2017 the vehicle has been unveiled by Director of KITSW Dr. Y. Manohar, and Dr. K. Eshwaraih, Head of the Mechanical Engineering Department.



During vehicle inauguration in the College



Photo with FFS officials & During Technical Inspection



During Braking test

From 22 teams registered for the event, 9 teams have cleared the technical inspection successfully. Students learnt many things from this event.

REPORT ON EFFICYCLE EVENT

“EFFI-CYCLE” derived from Efficient-Cycle promote the objective of providing opportunity to the students to conceive, design and fabricate a three wheel configuration vehicle powered by human-electric hybrid power and capable of seating two passengers catering to the day to day mobility needs. The vehicle must be aerodynamic, engineered for performance & safety and ergonomically designed. The objective is to promote innovation and generate consciousness amongst the young engineers towards environment friendly mobility solution.

This event provides opportunity for the engineering students by setting up the trend of using eco- friendly vehicle in India and come up with some innovative designs. SAE NIS EFFI-CYCLE is an Intercollegiate design competition for the undergraduate and graduate engineering students where team of 6-10 students have to design and fabricate an energy efficient Hybrid human powered three wheeled electric vehicle. The vehicle should be capable to be driven simultaneously as well as alternatively by two drivers and also run simultaneously or alternatively on an electric drive.

The event was held at Lovely Professional University, Punjab from 01st Nov, 2017 to 05th Nov, 2017. The team of 10 students, along with two faculty advisors had participated in the event.



Team of Effi-cycle at event



During technical Inspection



During Design and cost Evaluation

In Marketing presentation judges appreciated student's presence of mind in designing the plant layout. Total 64 teams were participated in the event. Finally we stood at 30th position in all over India and in 4th place from Telangana state.

Projects completed by Final Year Students during 2017-18

IV/ IV Mechanical Engineering-I Students Projects

| Batch No. | Roll No. | Title of the project | Name of project Guide |
|-----------|-----------|--|--------------------------------------|
| 1 | B14ME050 | Automated drain cleaning system | Dr. P. Srikanth Professor |
| | B14ME020 | | |
| | B14ME055 | | |
| | B14ME051 | | |
| 2 | B14ME004 | Design, finite elemnt analysis and optimization of coronary artery stent | Sri B. Ravi Kumar Asst. professor |
| | B14ME019 | | |
| | B14ME012 | | |
| | B14ME009 | | |
| 3 | B14ME040 | Design and fabrication of manually operated rice transplanter | Dr. P. Srikanth Professor |
| | B15ME126L | | |
| | B14ME039 | | |
| | B14ME006 | | |
| 4 | B14ME003 | Optomization of race car aerodynamics | Sri A.Hari Kumar Asst. Professor |
| | B14ME010 | | |
| | B14ME005 | | |
| | B14ME007 | | |
| 5 | B14ME002 | Design and analysis of composite based drive shaft | Sri Ch. Karunakar Asst. Professor |
| | B14ME022 | | |
| | B14ME001 | | |
| | B14ME024 | | |
| 6 | B14ME026 | Design and fabrication of automotive crash box using hybrid composites | Sri Ch. Karunakar Asst. Professor |
| | B14ME034 | | |
| | B14ME052 | | |
| | B14ME008 | | |

| | | | |
|----|-----------|---|---|
| 7 | B14ME049 | Optimization of tribological properties os Al7075/ Al2O3/Gr metal matrix composite using different techniques | Dr. U. Shrinivas Balraj Assoc. Professor |
| | B14ME033 | | |
| | B14ME047 | | |
| | B14ME045 | | |
| 8 | B15ME124L | Design and fabrication of two way cutter using double slider crank mechanism | Sri M. Anil Kumar Asst. Professor |
| | B15ME129L | | |
| | B15ME127L | | |
| | B15ME125L | | |
| 9 | B14ME059 | Autonomous navigation and obstacle avoidance vehicle | Sri V. Sampath Asst. Professor |
| | B14ME060 | | |
| | B14ME056 | | |
| | B14ME058 | | |
| 10 | B14ME044 | Design and fabrication of hovercraft | Sri P.S.S.Murthy Asst. Professor |
| | B14ME027 | | |
| | B14ME053 | | |
| | B14ME054 | | |
| 11 | B14ME031 | Investigation of tensile and flexural behaviour of hybrid fiber composites based on basalt and kenaf fibers | Sri K. Kishor Kumar Asst. Professor |
| | B14ME011 | | |
| | B14ME013 | | |
| | B14ME018 | | |
| 12 | B14ME041 | preparation and characterization of particle reinforces polymer composite laminas | Sri S. Sripathy Asst. Professor |
| | B14ME014 | | |
| | B14ME023 | | |
| | B15ME132L | | |
| 13 | B15ME121L | Refurbishing of hybrid motor bike | Sri K. Kishor Kumar Asst. Professor |
| | B15ME123L | | |
| | B14ME036 | | |
| | B14ME032 | | |
| 14 | B14ME038 | Optimization of metal matrix composites by EDM process with nano fluids using response surface methodology and artificial neural networks | Sri S. Chandramouli Asst. Professor |
| | B15ME122L | | |
| | B15ME131L | | |
| | B14ME015 | | |
| 15 | B14ME035 | Experimental investigation on mechanical properties of natural fibere with natural latex resin | Sri V. Srikanth Asst. Professor |
| | B14ME017 | | |
| | B15ME128L | | |
| | B14ME057 | | |
| 16 | B14ME042 | Design and fabrication of a weeder | Dr. K. Raja Narendra Reddy Professor |
| | B14ME025 | | |
| | B14ME043 | | |
| | B14ME021 | | |

| | | | |
|----|----------|--|-----------------------------------|
| 17 | B14ME028 | Fabrication of tilting trike by tricycle | Smt. P. Anitha Asst. Professor |
| | B14ME029 | | |
| | B14ME046 | | |
| | B14ME030 | | |
| | B14ME037 | | |

IV/ IV Mechanical Engineering-II Students Projects

| Batch No. | Roll No. | Title of the project | Name of project Guide |
|-----------|-----------|---|--|
| 1 | B14ME085 | Experimental Investigation And Optimization Of Aluminium Based Metal Matrix Composites Via Powder Metallurgy Technique | Dr.K.Eswaraiah Head & Professor |
| | B14ME061 | | |
| | B14ME095 | | |
| | B14ME090 | | |
| | B14ME096 | | |
| 2 | B14ME075 | Fabtication And Characterization Of Nano Copper Powder Component Using Powder Metallurgy | Sri. S. Chandramouli Asst. Professor |
| | B14ME076 | | |
| | B15ME137L | | |
| | B14ME087 | | |
| 3 | B14ME115 | Design And Fabrication Of Four Wheel Steered Vehicle | Dr. P. Prabhakara Rao Asst. Professor |
| | B14ME101 | | |
| | B15ME143L | | |
| | B14ME073 | | |
| 4 | B14ME068 | Design And Topology Optimization Of Break Pedal And Casting Simulation To Enhance And Optimize The Optimum Design | Sri. A. Hari Kumar Asst. Professor |
| | B14ME071 | | |
| | B14ME072 | | |
| | B14ME092 | | |
| 5 | B14ME114 | Agricultural Robot | Sri. P. S. S. Murthy Asst. Professor |
| | B14ME063 | | |
| | B14ME109 | | |
| | B14ME065 | | |
| 6 | B14ME105 | Numerical And Experimental Analysis Of Natural Convection Heat Transfer In A Duct Partially Filled With Porous And Bi-Porous Material | Dr. G. Srinivas Rao Asst. Professor |
| | B14ME099 | | |
| | B14ME084 | | |
| | B14ME111 | | |
| 7 | B14ME118 | Design And Fabrication Of Seed Sowing Machine | Dr. G. Ganesh Kumar Assoc. Professor |
| | B14ME117 | | |
| | B15ME141L | | |
| | B14ME106 | | |

| | | | |
|----|-----------|---|---|
| 8 | B15ME134L | Performance Analysis Of Solar Air Heater Using Rectangular Obstacles | Sri. S. Anil Kumar Asst. Professor |
| | B15ME133L | | |
| | B15ME091 | | |
| | B15ME136L | | |
| 9 | B14ME062 | Fabrication And Testing Of Ball Clay Matrix Composite | Dr. P. Prabhakara Rao Asst. Professor |
| | B14ME067 | | |
| | B14ME069 | | |
| | B14ME070 | | |
| 10 | B14ME100 | Optimization Of Friction Stir Welding Process Parameters On Aluminium Alloy | Sri. J. Laxman Asst. Professor |
| | B14ME108 | | |
| | B14ME093 | | |
| | B14ME098 | | |
| 11 | B15ME138L | Performance Evaluation Of B-50 With Dimethylcarbonate(Dmc)Additive Blends As Ci Engine Fuel | Dr. P. Venkateshwar Rao Professor |
| | B15ME135L | | |
| | B14ME088 | | |
| | B14ME083 | | |
| 12 | B14ME064 | Friction Stir Welding Of Magnesium And Aluminium Alloys | Dr. U. Shrinivas Balraj Assoc. Professor |
| | B14ME086 | | |
| | B14ME080 | | |
| | B14ME079 | | |
| 13 | B15ME140L | ENHANCEMENT OF HEAT TRANSFER COEFFICIENT BY USING CuO NANO FLUID | Sri. S. Ramesh Asst. Professor |
| | B15ME139L | | |
| | B15ME107 | | |
| | B15ME142L | | |
| 14 | B14ME081 | Design And Fabrication Of Power Generating Machineusing Ceiling Fan | Sri. G. Vinod Kumar Asst. Professor |
| | B14ME094 | | |
| | B14ME113 | | |
| | B14ME066 | | |
| 15 | B14ME082 | Multi Purpose Machine Using Bevel Gears | Prof. R. Ravinder Rao Professor |
| | B14ME089 | | |
| | B14ME077 | | |
| | B14ME078 | | |
| 16 | B14ME110 | Performance Anaysis Of Solar Air Heater Using Triangular Obstacles | Dr. K. Sridhar Professor |
| | B14ME102 | | |
| | B14ME074 | | |
| | B14ME097 | | |

Placement Details for Academic year 2017-18

Details of students placed during academic year 2017-18.

| Sl. No | Roll No. | Name of the student | Selected For Companies |
|--------|------------|----------------------------|----------------------------------|
| 1 | 13016T0418 | T. Sai Shriya (2017 batch) | Tech Mahindra |
| 2 | B14ME003 | Sheethal Panday | Collebera, Ogni Esco, FedEx |
| 3 | B14ME010 | T. Nagatharun | Cyient Limited |
| 4 | B14ME026 | M.Prabhu Deepthi | MuSigma |
| 5 | B14ME031 | T. Rohith Kumar | Cyient Limited |
| 6 | B14ME035 | Mohammed Althafuddin | Cyient Limited |
| 7 | B14ME036 | Chandragiri Sai Kiran | Cyient Limited |
| 8 | B14ME038 | T. Sai Sree | Qspiders, BoischLtd. |
| 9 | B14ME040 | Diddi Mamatha | MuSigma |
| 10 | B14ME043 | V.Srikanth | Alien's Developers |
| 11 | B14ME046 | M. Srikanth | Qspiders |
| 12 | B14ME050 | K. Chandhana Reddy | MuSigma |
| 13 | B14ME057 | P. Yashwanth | Meldon Industries |
| 14 | B14ME061 | M.Shiva Krishna | Just Dial, Rivigo |
| 15 | B14ME067 | Rudra Rahul | Cyient Limited |
| 16 | B14ME073 | Polati Vinay Rao | Destine |
| 17 | B14ME075 | G. Anurag | Cyient Limited, Ogni Esco |
| 18 | B14ME081 | P. Krishna Sai | Infosys |
| 19 | B14ME085 | P. Jeevan | Vem Technologies |
| 20 | B14ME093 | G.Srinath Reddy | Alien's Developers |
| 21 | B14ME094 | T. Vineeth | Qspiders |
| 22 | B14ME095 | K.Kamalesh | Zopper |
| 23 | B14ME098 | P.Tharun Reddy | Raam Group |
| 24 | B14ME099 | V. Bindu Priya | Bosch Ltd. |
| 25 | B14ME100 | Allenki Naimisha | Landmark Global |
| 26 | B14ME101 | K. Sai Kiran | Raam Group |
| 27 | B14ME108 | B. Akhil Patel | Just Dial, FACE Academy, Infosys |
| 28 | B14ME109 | J. Chaitanya | Byju's |
| 29 | B14ME110 | K.Vamshi Krishna Reddy | ZenQ, Infosys |
| 30 | B14ME114 | B. Rakesh Kumar | Byju's |
| 31 | B15ME121L | M. Hemanth | Cyient Limited |
| 32 | B15ME124L | SK. Hassan Ahmed | FACE Academy |
| 33 | B15ME126L | B. Vasundara | Tech Mahindra |

Ongoing batch 2014-18



Mechanical Engineering-I



Mechanical Engineering-II

Department Activities

Department of Mechanical Engineering has organized a one One Week Faculty Development Program on 'ENGINEERING DRAWING' during 27th FEBRUARY - 5th MARCH, 2018 sponsored by ISTE & IPE. A total of 60 participants from various Engineering colleges have attended the program. Prof. V. V. Sastry, Appala Sridhar Kumar, GM-HMT-Hyderabad (Rtd), Dr. A. Venugopal rao, Professor, MED-NITW were the main resource persons for the programme. The highlight of the FDP, Micro - teaching practice and analysis.

OBJECTIVES of FDP

The ultimate aim of this FDP is

- To train the beginners to the teaching community of academia
- To impart and inculcate proper understanding of the theory of projection.
- To improve the visualization skills.
- To enable with various concepts like dimensioning, conventions and standards related to working drawings in order to become professionally efficient.
- To impart the knowledge on understanding and drawing of simple mechanical components.

✚ Chairman for the FDP

Dr. K. Eswaraiah, Professor & Head, MED Convener

Dr. K. Sridhar, Professor, MED, Dean, Student Affairs

✚ Coordinators for the FDP

Sri S. Ramesh, Assistant Professor, MED

Sri M. Anil Kumar, Assistant Professor, MED



During inaugural session of the Faculty development Programme



Felicitating Prof. V. V. V, Sasthry in the valedictory session of FDP

Indo American Artificial Heart Project

KITSW in association with University of Pittsburgh is working on a project “**Indo American Artificial Heart Program**” (IAAHP). It is a collaborative project among four premier engineering institutions and one industry headed by **Dr. P. S. Reddy**. The objective of the project is to design, develop and marketing of an efficient artificial pump at low cost affordable by Indians.

Collaborative team details:

- University of Pittsburgh
 1. Dr. P. S. Reddy, MD, Professor of Medicine
 2. Dr. James F. Antaki, MD, Professor of Medicine
 3. Dr. Harvey Borovetz MD, Professor of Medicine
- Kakatiya Institute of Technology and Science, Warangal
 1. Dr. K. Eswaraiah, Professor, MED
 2. Dr. K. Venu Madhav, Associate Professor, EIED.
 3. Dr. G. Ganesh Kumar, Associate Professor, MED.
 4. Dr. A. Madhukar Rao, Assistant Professor, EED.
- Birla Institute of Technology and Sciences, Hyderabad Campus
 1. Dr. Srinivas Prakash Regalla, Professor, MED.
 2. Dr. Suman Kapoor, Professor, Chemistry.
- Chaitanya Bharathi Institute of Technology, Hyderabad.
 1. Dr. P. Ravinder Reddy, Professor, MED.
 2. Sri. Rigveda, Research Scholar, MED.
- Srinidhi Institute of Technology and Sciences, Hydearbadl
 1. Dr. [Subhananda Rao](#), Professor, EED.
 2. Dr. A. Purushotham Reddy, Head, MED.
- Collaborative Industries.
 1. Sri. Ch. Ramesh Reddy, Chairman. Laxven Systems, Charlapalli, Hyderabad



Interaction with foreign delegates-Indo American Artificial Heart Project (Right to left): Dr. Srinivas Prakash Ragella, Professor, BITS, PILANI; Dr. G. Ganesh Kumar, KITSW; Dr. K. Eswaraiah, Head, MED, KITSW; Dr. PS Reddy, Professor of Medicine, UPMC, Chairman SHARE; Dr. Harvey Borovetz, Professor, UPMC; Dr. K. Venu Madhav, KITSW; Dr. A Subhananda Rao, SNITS; Dr. James Antaki Professor, Cornell University, New York; (Date: 10.03.2018)

- ✚ Dr. U. Shrinivas Balraj, Assoc. Prof of MED had organized a one week FDP on “New Pedagogic Techniques in Technical Education” sponsored by MHRD, PMMMNMTT scheme during 26th Feb. – 03rd March, 18.
- ✚ Dr. U. Shrinivas Balraj, Assoc. Prof of MED had organized two days workshop on Developing Moodle-enabled blended learning courses sponsored by ISTE during 10th -11th March, 2018.

Publications of faculty during 2017-18

Journals:

1. J. Laxman and K. Eswaraiah “Effect of Electric Discharge Machining Process Parameters on Titanium Super Alloy” Journal of Emerging Technologies and Innovative Research (JETIR) ISSN: 2349-5162, June 2018, Vol 5, Issue 6, Pages 511-517.
2. Anil Kuamr Bodukuri, Chandramouli S, Eswaraiah K and Laxman J “Experimental Investigation and optimization of EDM process parameters on Aluminum metal matrix composite” Elsevier: Materials Today Materials Proceedings, 2017, 2214-7853.
3. Chandramouli S and Eswaraiah K. “Experimental investigation of EDM process parameters in machining of 17-4 PH Steel using taguchi method” Elsevier: Materials Today: Volume 5, Issue 2, Part 1, 2018, Pages 5058-5067, ISSN: 2214-7853.
4. Chandramouli S and Eswaraiah K. “Optimization of EDM Process Parameters in Machining Of 17-4 PH Steel using Taguchi Method”, Elsevier: Materials Today Materials Today: Proceedings 4 (2017) 2040-2047, ISSN: 2214-7853

5. B. Ravindar and Dr. K. Eswaraiah, "Comparison of Pulsed TIG Welding and FSW Processes of 5083 Aluminium Alloy" *International Journal of Pure and Applied Mathematics*, Volume 118 No. 24 2018 ISSN: 1314-3395, pages 1-9.
6. Anil Kuamr Bodukuri, Prof. K. Eswaraiah, Katla Rajendar amd Siddartha A "Comparison of Aluminum Alloy 5083 Properties on TIGW and FSW Processes" *Elsevier: Materials Today Materials Today: 4(2017) 10197-10201*.
7. Chandramouli S and Eswaraiah K "Investigation and Optimization of Electric Discharge Machining Process Parameters Aluminum Metal Matrix Composites Using Taguchi Method" *International Journal of Advanced Science Engineering and Medicine*, Val 10, 1-5, 2018.
8. Basani Satish, P.S.S. Murthy and K. Eswaraiah, "Hierarchical parallel processing for design optimization - a case study" *Elsevier: Materials Today Materials Today: 5 (2018) pages 5117-5123*.
9. Chandramouli S and Eswaraiah K. "Prediction and Optimization of EDM process parameters 17-4 PH steel using Artificial Neural Network and Genetic Algorithm" *International Journal of Engineering Research and Application*, ISSN 2248-9622, Vol 8, Issue 6, June 2018, pp 54-58.
10. Dr. K. Sridhar, G. Lingaiah, G. Vinod Kumar, S. Anil Kumar and G. Ramakrishna "Performance of cylindrical parabolic collector with automated tracking system" *Springer Link: Applied Solar Energy*, 2018, Vol. 54, No.2, Allerton Press, March, 2018, Pg No. 134-138, *ISSN No.0003-701X*.
11. S. Anil Kumar, Dr. K. Sridhar and G. Vinod Kumar, "Heat transfer analysis of solar air heating system for different tilt angles" *Springer Link: Applied Solar Energy*, 2018, Vol. 54, No.1, Allerton Press, January, 2018, Pg No. 17-22, *ISSN No.0003-701X*.
12. G. Vinod Kumar, Dr. K. Sridhar and S. Anil Kumar "Heat Removal Factor of an Integrated solar flat plate collector with packed bed system", *International Journal of Engineering Technology, Management and Applied Sciences (IJETMAS)*, July, 2017, Volume 5, Issue 7, pg. No. 720-727. *ISSN NO: 2349-4476*
13. Nalini Dasari and Dr. K. Sridhar, "A Literature survey on Thermodynamic Analysis of a Flat Plate Solar Air heater having different obstacles on absorber plate" *International Journal of Engineering Technology science and Research (IJETSR)*, Vol.4, Issue 8, August 2017, *ISSN No. 2394-3386*, Pg No. 469-477.
14. P. Venkateswara Rao and B. V. Appa Rao, Heat release rate, performance and vibration analysis of diesel engine operating with biodiesel - Triacetin additive blend fuels, *International Journal of Automobile Engineering Research and Development (IJAERD)* *ISSN (P): 2277-4785; ISSN (E): 2278-9413*, Vol. 8, Issue 2, Apr 2018, 1-12
15. **Venkateswara Rao, P.** and Prabhakara Chary, D., Diesel engine performance analysis with blend fuel of biodiesel and Turpentine oil as biofuel additive, *International Journal of Engineering, Scientific and Mathematics*, Volume No. 7, Issue No. 1, PP: 7-12, Jan. 2018. *ISSN: 2320-0294* Impact Factor: 6.765
16. **Venkateswara Rao, P.** and Prabhakara Chary, D., Characteristics Investigation of Biodiesel-Diesel (B50) Blend with Ethanol Additive as C I Engine Fuel, *International Journal of Scientific Engineering and Technology*, *ISSN : 2277-1581* Volume No. 7, Issue No. 1, PP : 7-12, Jan. 2018.
17. **Venkateswara Rao, P.** and Prabhakara Chary, D. Experimental study of different biodiesels (COME, MOME, POME) and their blends properties with 2-propanone as an additive *Asian Journal of Science and Technology*, Vol. 08, Issue, 10, pp.6005-6008, October, 2017, *ISSN: 0976-3376*.

18. **Venkateswara Rao, P.**, (2017) Performance and emission analysis of diesel –biodiesel (KME) blends as fuel in D I diesel engine, *International Journal of Current Research*; ISSN: 0975-833X, Vol. 9, Issue, 09, pp.57006-57009, September, 2017.
19. B. Praveen Kumar, N. Samba Siva Rao, M. Mohith and P. Srikanth, " Determination of Mechanical Properties of Friction stir welded joint for Aluminium alloy 6351 (HE-30)" *International Journal of Mechanical Engineering and Technology (IJMET)* Volume 8, Issue 12, December 2017, pp. 173-183, ISSN: 0976-6340.
20. P. Anitha, U. Shrinivas Balraj, "Dry Sliding Wear Performance of Al/7075/Al₂O_{3p}/Gr_p Hybrid Metal Matrix Composites" Elsevier: *Materials today Proceedings* 4(2017) ISSN:2214-7853, pp.3033-3042
21. P.S.S.Murthy, A. Satyadevi and A. Gopala Krishna "Kinematic Analysis a HSHH Spatial Mechanism by Generated Surfaces" Elsevier: *Materials today Proceedings* 5(2018), ISSN: 2214-7853, pp.5289-5295.
22. Dr. P. Prabhakara Rao, "Characterization of Ceramic Matrix Composites by Powder Metallurgy" *International Journal of Engineering Technology, Management and Applied Science*", July 2017, Volume 5, Issue 7, ISSN 2349-4476, pp 619-626.
23. Dr. P. Prabhakara Rao, J. Pranay Kumar, R. Rahul, "Production of Copper Metal Matrix Composite through Powder Metallurgy Route", *International Journal of Engineering Technology science and Research (IJETSR)*, Vol.4, Issue 12, December 2017, ISSN No. 2394-3386, Pg No. 855-864.
24. Dr. P. Prabhakara Rao, B. Shradesh Kumar, "Predicting the Casting Defects Through Simulation", *International Journal of Engineering Technology science and Research (IJETSR)*, Vol.4, Issue 12, December 2017, ISSN No. 2394-3386, Pg No. 919-926.
25. G. Srinivasa Rao and K.V.Sharma, "Numerical and Experimental Investigation of a Packed bed Thermal energy storage system with hybrid Nano fluid" *SSRG International Journal of Mechanical Engineering (SSRG-IJME)* Volume 5 issue 1 January 2018 pp. 19-25, ISSN: 2348-8360.
26. Ch. Srinivas, S. Kalahasti, B. Sanjeeva Rao, K. Rajendra Prasad and S. Ramesh, " A Study on Thermal Properties of AA copolymer-silver metal particles complexes" *Research Journal of Pharmaceutical, Biological and Chemical Sciences*, July-August 2017, Vol 8 no. 4 ISSN :0975-8585, pp 481-485.
27. D. Suresh, B. Sanjeeva Rao, S. Kalahasti, S. Ramesh and V. Ashok Babu, "Effect of Composition dose and post irradiation time on radiation behavior of Acrylonitrile-Methacrylate (AM) Copolymer" *Research Journal of Pharmaceutical, Biological and Chemical Sciences*, July-August 2017, Vol 8 no. 4 ISSN :0975-8585, pp 92-98.
28. Challagonda Sandeep Reddy, Kandagatla Uday Kiran and Ch. Karunakar, "Design of Air Bag System by Hydraulic Circuit and Direct Acting Solenoid Flow Regulator", *International Journal of Science Technology & Engineering (IJSTE)* volume 4, issue 09, March 2018, ISSN:2349-784X, PP 120-123.
29. Challagonda Sandeep Reddy, Ch. Karunakar, Yelisetti Narendra Jumar and Kandagatla Uday Kiran, "Design of Hydraulic Bumper for Mitigation of Low Speed Collisions", *International Journal of Science Technology & Engineering (IJSTE)* volume 4, issue 11, May 2018, ISSN:2349-784X, PP 62-65.

30. Kishor K Kumar, Ch. Karunakar and B. ChandraMouli, "Development and Characterization of Hybrid Fibres Reinforced Composites Based on Glass and Kenaf Fibers", Elsevier: Materials Today Proceedings 5(2018) 14539-14544, pp 14539-14544.
31. Sri Sai Bhargav Pulugurtha, Hari Kumar Andem and Ramesh Siripuram, "Design and NVH Analysis of Disc Brake System", International Journal of Current Engineering and Technology, E-ISSN 2277-4106, P-ISSN 2347-5161, Vol. 8 No. 3, May/June 2018.

Conferences:

1. J. Laxman and K. Eswaraiah "Effect Of Electric Discharge Machining Process Parameters on Titanium Super Alloy" 3rd International Conference on Innovation Trends in Engineering, Applied Science and Management(ICITEASM-2018) on 24th June 2018, ISBN 9778-93-87433-24-4, pp-289-295.
2. J. Laxman, K. Eswaraiah and P. Prabhakara Rao, "Experimental Study of Drilling Process Parameters on Aluminum Metal Matrix Composites", 3rd International Conference on Innovation Trends in Engineering, Applied Science and Management (ICITEASM-2018) on 24th June 2018, ISBN 9778-93-87433-24-4, pp-430-435.
3. V. Rakesh, P.S.S. Murthy and K. Eswaraiah "Testing of isomorphism in kinematic chain G.A based case study" National conference o Advances in Mechanical Engineering & Nano Technology" (NCAMENT2018) during 29-30, June 2018 MED, University college of Engineering, Osmania University, Hyderabad.
4. V. Sampath, K. Eswaraiah and M. Ashok Kumar, "Experimental investigation of process parameters of EDM on 17 - 4 PH steel using Taguchi method" National conference o Advances in Mechanical Engineering & Nano Technology" (NCAMENT2018) during 29-30, June 2018 MED, University college of Engineering, Osmania University, Hyderabad.
5. V. Sampath, K. Eswaraiah and Khizar Adnan, "Optimization of electric machining process parameters using artificial neural network" National conference o Advances in Mechanical Engineering & Nano Technology" (NCAMENT2018) during 29-30, June 2018 MED, University college of Engineering, Osmania University, Hyderabad.
6. Chandramouli S and Eswaraiah K. "Optimization of electric discharge machining of 17-4 PH steel using artificial neural network and Genetic Algorithm" ICMME-2017.
7. Chandramouli S and Eswaraiah K. "Optimization of processes parameters in rotary electric discharge machining using taguchi method" International conference on recent advances in materials mechanical and civil engineering ICRAMMC-2017
8. Chandramouli S and Eswaraiah K. "Experimental investigation of EDM process parameters in machining of 17-4 PH Steel using taguchi method" 7th International conference on Materials processing and characterization (ICMPC-17).
9. Chandramouli S and Eswaraiah K. "Experimental investigation of EDM process parameters in machining of 17-4 PH Steel using taguchi method" 6th International conference on Materials processing and characterization (ICMPC-18)
10. Chandramouli S and Eswaraiah K. "Experimental Investigation and optimization of EDM process parameters on Aluminium metal matrix composite" International conference on advances in

materials and Manufacturing Applications (IconAMMA 2017) Amrith Vishwa Vidyapeetham University Bangalore.

11. G. Vinod Kumar, Dr. K. Sridhar and S. Anil Kumar "Heat Removal Factor of an Integrated Solar flat plate collector with packed bed system", 5th International conference on Research trends in Engineering, Applied Science and Management (ICRTESSM-2017), IETE, Pune, 23rd July 2017, Pg No. 655-662, ISBN NO. 978-81-934083-8-4
12. Nalini Dasari and Dr. K. Sridhar, "A Literature survey on Thermodynamic Analysis of a Flat Plate Solar Air heater having different obstacles on absorber plate" 3rd International conference on Advancement in Engineering, Applied Science and Management (ICAESM-2017), Center for Development of advanced computing, Mumbai, 20 August 2017. ISBN No. 978-81-934288-1-8, Pg No. 224-231.
13. Dr. P. Prabhakara Rao, "Characterization of Ceramic Matrix Composites by Powder Metallurgy", 5th International conference on Research trends in Engineering, Applied Science and Management (ICRTESSM-2017), IETE, Pune, 23rd July 2017, Pg No. 318-325, ISBN NO. 978-81-934083-8-4.
14. Dr. P. Prabhakara Rao, B. Shradesh Kumar, "Predicting the Casting Defects Through Simulation", 1st International Conference on Advancements and Innovations in Engineering, Technology & Management (ICAIETM2017) at Joginpally B.R. Engineering College, Hyderabad, India on 28-29th December 2017, ISSN No. 978-93-87433-06-9, Pg No. 586-593.
15. Dr. P. Prabhakara Rao, J. Pranay Kumar, R. Rahul, "Production of Copper Metal Matrix Composite through Powder Metallurgy Route", 1st International Conference on Advancements and Innovations in Engineering, Technology & Management (ICAIETM2017) at Joginpally B.R. Engineering College, Hyderabad, India on 28-29th December 2017, ISSN No. 978-93-87433-06-9, Pg No. 457-466.
16. Hari Kumar Andem, Dr. P. Ramesh Babu, "Tribological Behaviour of Alumina as a Lubricant Additive" National conference on Advances in Mechanical Engineering & Nano Technology" (NCAMENT2018) during 29-30, June 2018 MED, University college of Engineering, Osmania University, Hyderabad.

కిట్స్ ఔట్రిచ్ కార్యక్రమం

భీమారం, మార్చి 27: హనుమాన్ మండలం భీమారంలోని కిట్స్ ఇంజనీరింగ్ కళాశాల మెకానికల్ విభాగానికి చెందిన విద్యార్థులు రూపొందించిన డబ్బు ఈ-కార్డ్ వెహికల్ ఔట్రిచ్ కార్యక్రమం పాటు రూ.5 వేల నగదు బహుమతి సాధించినట్లు కిట్స్ ఔట్రిచ్ అవార్డుతో పాటు రూ.5 వేల నగదు బహుమతి సాధించినట్లు కిట్స్ యాజమాన్యం ఒక ప్రకటనలో పేర్కొంది. భోపాల్లో క్రెడిటుల్ ఇండియా, ఆర్.కె.డి.ఎస్ యూనివర్సిటీ ఆధ్వర్యంలో ఈనెల 20 నుంచి 24వరకు నిర్వహించిన నేషనల్ ఎలక్ట్రిక్ కార్డ్ ఛాంపియన్షిప్లో మెకానికల్ ఇంజనీరింగ్ విభాగానికి చెందిన 17 మంది విద్యార్థులు రూపొందించిన వాహనం బహుమతిని పొందినట్లు తెలిపారు. ఈ వాహనం దేశంలో ఏదో స్టానాన్లు, రెండు తెలుగు రాష్ట్రాల్లో మొదటి స్థానాన్ని సాధించినట్లు తెలిపారు. విభాగాధిపతి ప్రొఫెసర్ కె.ఈశ్వరయ్య ఆధ్వర్యంలో విద్యార్థులు ఈ వాహనాన్ని రూపొందించారు. విద్యార్థులను కళాశాల యాజమాన్యం, అధ్యాపకులు అభినందించినట్లు పేర్కొన్నారు.



రూపొందించిన వాహనంతో విద్యార్థులు, అధ్యాపకులు

కిట్స్ డబ్బు ఈ-కార్డ్-వెహికల్కు అవార్డు



అవార్డుతో విద్యార్థులు, కళాశాల యాజమాన్యం

హనుమాన్, మార్చి 27: ఎర్రగట్టుగుట్ట వద్ద గల కిట్స్ ఇంజనీరింగ్ కళాశాల మెకానికల్ ఇంజనీరింగ్ విభాగానికి చెందిన విద్యార్థులు తయారు చేసిన కిట్స్ డబ్బు ఈ-కార్డ్ అనే వెహికల్కు అవార్డు వచ్చినట్లు కళాశాల డైరెక్టర్ మనోహర్ తెలిపారు. భోపాల్లో ఈ నెల 20న జరిగిన నేషనల్ ఎలక్ట్రిక్ కార్డ్ ఛాంపియన్షిప్ పోటీల్లో కిట్స్ డబ్బు ఈ-కార్డ్ అవార్డు వచ్చింది. ఈ అవార్డు రావడంపై కళాశాలలో మంగళవారం ఏర్పాటు చేసిన కార్యక్రమంలో కళాశాల ప్రెజిడెంట్, పినారాయణ రెడ్డి, ప్రిన్సిపాల్ పి.వెంకటేశ్వర్ రావు, డిప్యూటీ ఆఫీసింగ్ కమిషనర్ కరుణాకర్, కె.టి.ఎస్.కమార్, మెకానికల్ విభాగాధిపతి కె.ఈశ్వరయ్యలను అభినందించారు.

కిట్స్ ఇంజనీరింగ్ విభాగానికి డబ్బు ఈ కార్డ్ వెహికల్ అవార్డు

- అభినందించిన కళాశాల సెక్రటరీ, ఎంపీ కె.టి.ఎస్.కమార్



కళాశాల డైరెక్టర్ కె.ఈశ్వరయ్య రూపొందించిన విద్యార్థులు

భీమారం, మార్చి 27: మనుమాన్ మండలం భీమారంలోని కిట్స్ ఇంజనీరింగ్ కళాశాల మెకానికల్ విభాగానికి చెందిన 17 మంది విద్యార్థులు రూపొందించిన డబ్బు ఈ-కార్డ్ వెహికల్ ఔట్రిచ్ కార్యక్రమం పాటు రూ.5 వేల నగదు బహుమతి సాధించినట్లు కిట్స్ యాజమాన్యం ఒక ప్రకటనలో పేర్కొంది. భోపాల్లో క్రెడిటుల్ ఇండియా, ఆర్.కె.డి.ఎస్ యూనివర్సిటీ ఆధ్వర్యంలో ఈనెల 20 నుంచి 24వరకు నిర్వహించిన నేషనల్ ఎలక్ట్రిక్ కార్డ్ ఛాంపియన్షిప్లో మెకానికల్ ఇంజనీరింగ్ విభాగానికి చెందిన 17 మంది విద్యార్థులు రూపొందించిన వాహనం బహుమతిని పొందినట్లు తెలిపారు. ఈ వాహనం దేశంలో ఏదో స్టానాన్లు, రెండు తెలుగు రాష్ట్రాల్లో మొదటి స్థానాన్ని సాధించినట్లు తెలిపారు. విభాగాధిపతి ప్రొఫెసర్ కె.ఈశ్వరయ్య ఆధ్వర్యంలో విద్యార్థులు ఈ వాహనాన్ని రూపొందించారు. విద్యార్థులను కళాశాల యాజమాన్యం, అధ్యాపకులు అభినందించినట్లు పేర్కొన్నారు.

ఇంజనీరింగ్ విభాగం, కళాశాల మొత్తం లాంటివి ఎంచుకున్నందు తెలిపారు. మొత్తం 200 మంది ఎంచుకున్నారు. ఈ పోటీలను క్రెడిటుల్ ఇండియా అండ్ కె.డి.ఎస్ యూనివర్సిటీ, భోపాల్ నిర్వహించారు. తెలుగు రాష్ట్రాల్లో మొదటి స్థానాన్ని సాధించిన విద్యార్థులు, కళాశాల ప్రిన్సిపాల్ ప్రొఫెసర్ పి.వెంకటేశ్వర్ రావు మాట్లాడుతూ దీని తయారీ, రూపొందించిన విద్యార్థులు, పాల్గొన్న కో ఆర్డినేటింగ్ పానెల్ కమిటీలో, కె.టి.ఎస్.కమార్లు పాల్గొన్నారు. కళాశాల మెకానికల్ ఇంజనీరింగ్ విభాగాధిపతి ప్రొఫెసర్ కె.ఈశ్వరయ్య మాట్లాడుతూ కళాశాల డైరెక్టర్ మనోహర్, ఎంపీ కె.టి.ఎస్.కమార్ ఆనంద్ అండ్ అండ్ డిప్యూటీ కమిషనర్ కరుణాకర్ తయారీ, సాంకేతిక విద్యార్థులను అభివృద్ధి చేయడంపై ప్రాధాన్యతను అందించడంపై ప్రాధాన్యతను తెలిపారు. ఈ సందర్భంగా డైరెక్టర్ కె.ఈశ్వరయ్య మాట్లాడుతూ అవార్డుతోపాటు ఐదువేల రూపాయల నగదు బహుమతి,



కె.టి.ఎస్.కమార్ విద్యార్థులు

కిట్స్ విద్యార్థులకు 'బెస్ట్ టీం స్పిరిట్ అవార్డు'

భీమారం, మార్చి 27: కిట్స్ కాలేజీ మెకానికల్ ఇంజనీరింగ్ విద్యార్థులు భోపాల్లో 'కిట్స్ డబ్బు ఈ కార్డ్' మోటార్ వెహికల్ను ప్రదర్శించి 'బెస్ట్ టీం స్పిరిట్ అవార్డు'ను అందుకున్నారు. టీటెక్ ప్రథమ, ద్వితీయ విభాగంలోని 17 మంది విద్యార్థుల బృందం 'కిట్స్ డబ్బు ఈ కార్డ్' మోటార్ వెహికల్ను ప్రాధాన్యత సలహాతో తయారుచేశారు. ఈ నెల 20-24 తేదీల్లో మధ్యప్రదేశ్ రాష్ట్రంలోని భోపాల్లో నేషనల్ ఎలక్ట్రిక్ కార్డ్ ఛాంపియన్షిప్ పోటీల్లో పాల్గొని బెస్ట్ టీం స్పిరిట్ అవార్డును గెలుచుకున్నారు. ఈ అవార్డుతోపాటు రూ. ఐదువేల నగదును అందుకున్నారు. ఈ సందర్భంగా కిట్స్ కాలేజీలో మంగళవారం డైరెక్టర్ డాక్టర్ మనోహర్, ప్రిన్సిపాల్ ప్రొఫెసర్ వెంకటేశ్వర్ రావు, కాలేజీ అడ్మినిస్ట్రేషన్ డీన్ ప్రొఫెసర్ శ్రీనివాసరెడ్డి, మెకానికల్ విభాగాధిపతి ప్రొఫెసర్ ఈశ్వరయ్య, కరుణాకర్, కిశోర్ కుమార్ అవార్డు అందుకున్న విద్యార్థులను అభినందించారు.



విద్యార్థులను అభినందిస్తున్న కిట్స్ డైరెక్టర్, తదితరులు



TEAM FIRE WINGS KITSW RACING TEAM

NATIONAL ELECTRIC KART CHAMPIONSHIP



*Season 2017-18-All India 7th place
Secured Best Team Spirit Award*




FORCE RACING

SEASON 2017-18



SAE COLLEGIATE CLUB
KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE
WARANGAL-506015

FOLLOW OUR OFFICIAL RACING TEAM ON:  www.facebook.com/forceracingkitsw