



NARAYANA ENGINEERING COLLEGE::NELLORE

*(Approved by AICTE and Permanent affiliation to JNT University, Anathapuramu)
An ISO 9001:2008 Certified Institution, Recognised by UGC U/S 2(f) and 12(B) &
"A" grade by Govt. of A.P*
Muthukur Road, Nellore – 524004

DEPARTMENT OF MECHANICAL ENGINEERING

NEWS LETTER 2017-2018 EVEN SEMESTER

EVENTS DETAILS

ALUMINI

1)

Date:26-12-2017

EVENT: " A lecture on Awareness program on opportunities in Automobile Industry "

Resource person: M Madhu kumar (ALUMNI 2014)

COMPANY: Hyundai Automobile pvt. ltd, Hyderabad

DESIGNATION : Design Engineering

Target audience: IV B.TECH STUDENTS

The automotive industry is a wide range of companies and organizations involved in the design, development, manufacturing, marketing, and selling of motor vehicles,^[1]some of them are called automakers. It is one of the world's most important economic sectors by revenue. The automotive industry does not include industries dedicated to the maintenance of automobiles following delivery to the end-user, such as automobile repair shops and motor fuel filling stations.

The government has formulated a Scheme for Faster Adoption and Manufacturing of Electric and Hybrid Vehicles in India, under the National

Electric Mobility Mission 2020, to encourage the progressive introduction of reliable, affordable, and efficient electric and hybrid vehicles into the country.





2) AN AWARENESS PROGRAM ON OPPORTUNITIES IN INDUSTRIES BY TOOLS (CATIA, ANSY ETC.,)

Resource person: Y.YOGESWAR REDDY

Target audience: II, B.TECH STUDENTS INTRESTED ON TOOLS

Today, computers are being used by nearly everyone in the construction industry, be it fresh graduates or experienced construction professionals. It has become therefore imperative that at the higher education level, students would be introduced to computer application software relevant in their area of specialization.

The purpose of this study was to assess the level of awareness and usage of CAD programs.



3) AWARENESS ON ISI QUALITY STANDARDS IN INDUSTRY

Resource Person: **A NIKHL KUMAR**

COMPANY: **SWASTHIK Foods Pvt. Ltd, Hyderabad**

DESIGNATION : **Quality Engineer**

Target audience: **III B.TECH STUDENTS**

Datet:25-01-2018

It is very common in India to find products with fake ISI marks, that is, affixing ISI marks on the product without actually getting certified. The name ISI is an abbreviation of Indian Standards Institute, the former name of the Bureau of Indian Standards. The ISI mark is mandatory for certain products to be sold in India, like many of the electrical appliances like switches, electric motors, wiring cables, heaters, kitchen appliances etc. some of the products use fake isi mark for eg: if the mixer grinder box has a isi mark in small it is written there fitted with isi code wire . So it means the wire has an isi mark but the mixer grinder is not a isi product .





4) ALUMINI 2K18

Resource Person: **M MADHU KUMAR, P SRINIVASULU, G VENKATA SIVA.**

Target audience: **All B.TECH STUDENTS**

Date: 27-01-18

STUDENT ALUMNI MEET which is the annual flagship event of Student Alumni Relations Cell (SARC), conducted in the month of Jan 2018. and with newer events with the same old motive of bringing student and alumni together.







5) An awareness program on opportunities of higher studies in abroad (MBA, MS & visa processing)

Resource person: G SRUJANA & M MADHURI

Target audience: II, III & IV B.TECH STUDENTS

DATE : 07-02-2018

- Broadening world views and ways of thinking by experiencing different cultures firsthand.
- Benefiting students with future career opportunities by providing more life experiences and personal connections.
- Complementing and accelerating fluency in speaking, reading, and writing foreign languages.
- Providing an alternative academic experience by taking courses not offered elsewhere while earning credits towards graduation.
- Providing opportunities for leadership development through interactions with different cultures.
- Providing opportunities for personal growth and development by gaining self confidence and life experience.



6) " AN INTERACTION AND MOTIVATING SESSION TO THE STUDENTS ABOUT "CAREER IN HIGHER EDUCATION THROUGH GATE "

Resource person: SHAIK AFROZ , SK HYDER YUNUS & MANIKANTHA

Target audience: II B.TECH STUDENTS

DATE: 10-02-2018

Preparation for gate exam

GATE score is a solution for admissions to M.Tech/ME/MS courses in alleged institutes of India apart from these admissions, GATE is also the qualifying test for many PSUs, PSU requires, a strong and in- depth technical knowledge and understanding of core engineering principals. GATE is one such exam where ones technical and general aptitude is tested. Many Public Sector Undertakings (PSUs) have now started recruiting through GATE.

Almost all global technology companies like Microsoft, Yahoo, Google, AMD, Intel, SUN Microsystems, General Motors, General Electric have shifted an important portion of their R&D activities in India. These research establishments employ only Masters or Doctorate students for these jobs. In addition, GATE is a qualification for eligibility for CSIR labs in India for the Junior Research Fellow programme, after which you can follow your PhD in any good university. To do a PhD in the best institutions of the world, you need recommendations from IIT and IISc professors. So M.Tech in these institutions is a gateway to acquire a PhD in the best institutions of the world.





7) " A lecture on Awareness program on opportunities in Automobile Industry "

Resource person: Mr.E.Prashanth

COMPANY: RICO pvt. ltd, chennai

DESIGNATION : Design Engineer

Target audience: IV B.TECH STUDENTS

DATE: 13-02-2018

A career opportunity in the automotive industry that is expanding is a body and paint specialist. As one of these specialists, you would have to repair damage that resulted from a car accident of some kind. You would have to fix the exterior of the car and then restore the paint job as well. Thanks to the fact there are plenty of car accidents around the country, this position is in high-demand.

Another option is to get a job on the assembly line. Getting your foot in is not easy, but it's easier than before. You could join an assembly line that focuses on making cars, or even a line that simply makes certain parts that go in the cars. Nowadays, most assembly line positions require some knowledge about computers and robotic manufacturing.

After you gain experience in this department, the top role to achieve within the dealership is Finance Manager. You would oversee all financing and monetary inflows and concessions of the dealership on all car sales/leases and purchases. You would have to ensure the dealership makes a fair amount of money whenever people buy a car.



8) INTERACTING AND MOTIVATING THE STUDENTS ABOUT "CAREER DEVELOPMENT & HIGHER EDUCATION"

Resource person: Mr.K.Sriram

Target audience: III B.TECH STUDENTS

Date::15-02-2018

It is now widely recognized that graduates need to develop employability and career management skills in order to enter and thrive in a global knowledge economy. Personal, Academic and Career Development in Higher Education shows how engaging students in personal and career development experiences can result in powerful insights that translate into enhanced skills and attributes useful in all areas of life.

Personal Development Planning (PDP) is a method of recording achievements, identifying strengths and areas for improvement, reflecting on progress and setting clear goals and action plans. *Personal, Academic and Career Development in Higher Education* explores PDP in relation to SOAR, a curriculum enhancement model used flexibly to integrate personal and career development with good academic learning and employability.





INDUSTRIAL VISITS

1) INDUSTRIAL VISIT ON “VIJAYA DAIRY NELLORE

Target audience: **II- B.TECH STUDENTS**

Date: 17-02-2018

Industry visits sensitize students to the practical challenges that organizations face in the business world. Industrial visits also give greater clarity about various management concepts for students as they can practically see how these concepts are put into action.

Visits to manufacturing firms are useful for students. To understand the nuances and realities of the shop floor, which in itself is a rare exposure? By visiting the shop floor they get to understand the risky conditions in which workers work, the people management challenges involved in managing workers apart from getting hands-on technical knowledge.





2) "INDUSRTIAL VISIT" to NON CONVENTIONAL ENERGY DEVELOPMENT CORPORATION OF A.P LTD Nellore.

Organized by: Dept. Of Mechanical Engineering

Target audience: III B.Tech

Date: 17-03-2018

Department of Mechanical had organized industrial visit to "**NON CONVENTIONAL ENERGY DEVELOPMENT CORPORATION OF A.P LTD**" at Narasimhakonda Nellore.

To be a pioneer institute in the area of promotion of Non-conventional / Renewable energy projects with state-of-art technologies coupled with experts and technocrats to present highly competitive and efficient products to the consumer.

Generate electricity through renewable sources like wind and solar on decentralized manner, Conserve energy in rural areas, Import & adopt viable technology & machinery in the areas of Non-conventional energy sources & ensures post installation service, Impart training and to promote research and development in the field of Non-conventional energy sources.

As many as 6,500 megawatt has been generated in the State from 915 megawatt through renewable energy since 2014.









TRAINING PROGRAMME

1) SEVENTH SENSE TALENT SOLUTIONS TRAINING PROGRAMME

Target audience: IV B.TECH

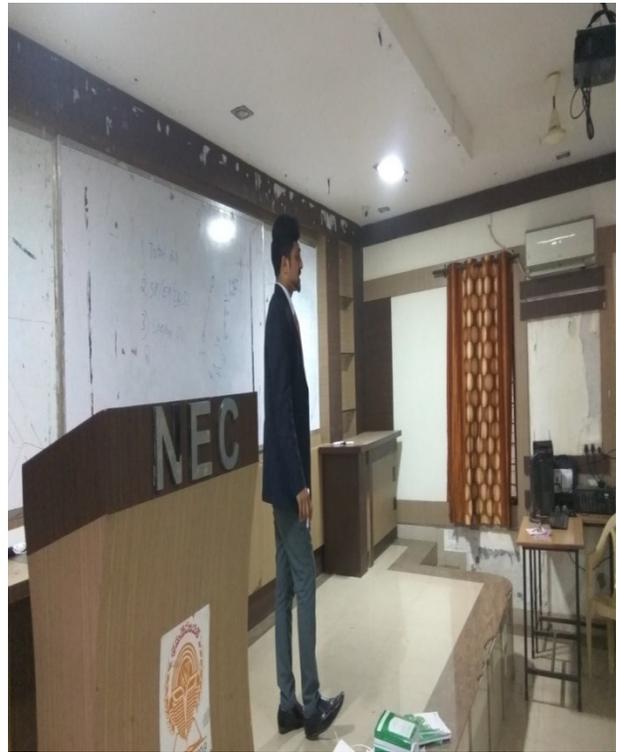
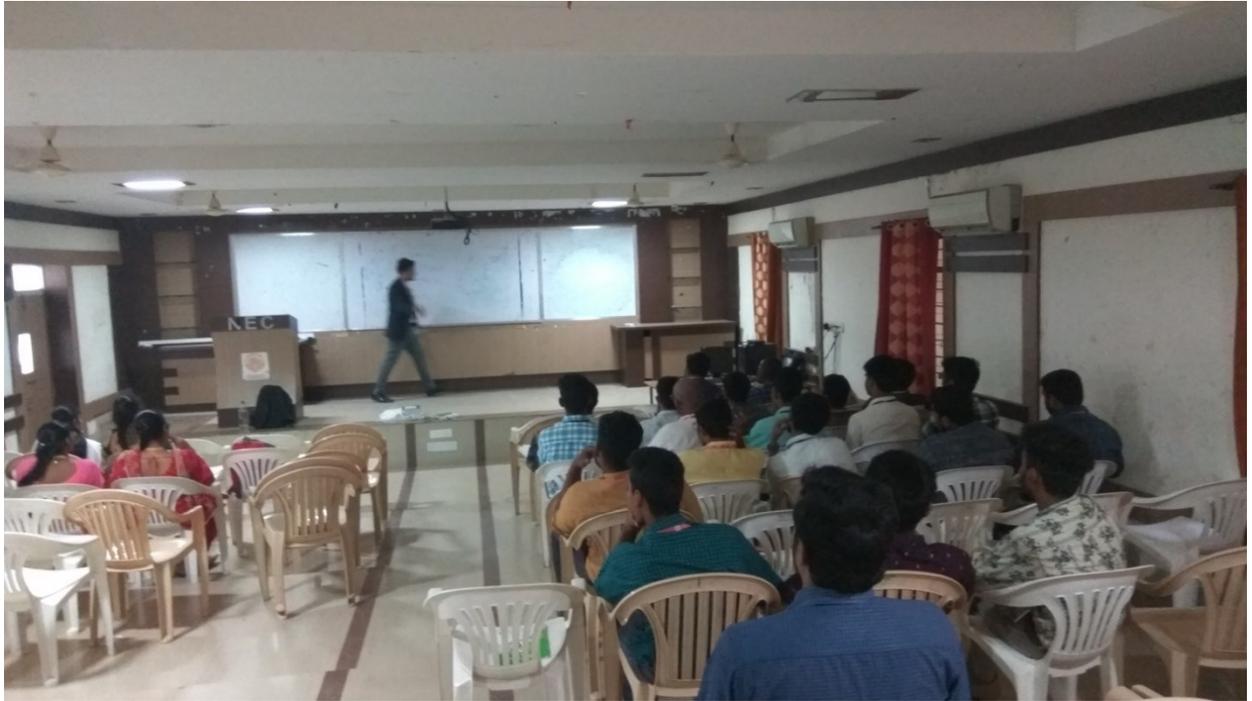
DATE : 18/12/17 TO 05/01/18

Indian Institute of Management Bangalore (IIM B) alumni founded and manages this rapidly growing Talent Solutions Company. Seventh Sense believes that Talent is the most critical factor that differentiates a great company from a good one. Therefore we focus our energies on meeting all the skill development needs of our partner colleges and clients. Our offerings are customizable and meet the ever changing needs of our clients. We count among our clients some of the top 100 colleges and top 50 companies in India and have served clients across the country.

To ensure there is continuous learning without any strain on budget and time.

Designing the best negotiating strategies, leading the negotiation to close the deal and draw in resources from within the company to make it happen.

As the face of the organization, you will also help in building the brand of the company in the industry, vendor and customer community which also includes maintaining relationship with all potential and existing clients.





2) One Week Certificated Course ON "ANSYS Space Claim 18.0" By Yucan Technologies Pvt Ltd

Resource Person: Sri. G. Raja Mahendra

Designation: Sr. Simulation Engineer

Target audience: III & FINAL- B.TECH STUDENTS

Date: From 16-02-2018 to 21-02-2018

If you've ever seen a rocket launch, flown on an airplane, driven a car, used a computer, touched a mobile device, crossed a bridge, or put on wearable technology, chances are you've used a product where ANSYS software played a critical role in its creation. ANSYS is the global leader in engineering simulation. We help the world's most innovative companies deliver radically better products to their customers. By offering the best and broadest portfolio of engineering simulation software, we help them solve the most complex design challenges and engineer products limited only by imagination.

Engineering simulation is our sole focus. For more than 45 years, we have consistently advanced this technology to meet evolving customer needs. ANSYS develops, markets and supports engineering simulation software used to predict how product designs will behave in real-world environments. We continually advance simulation solutions by

- Developing or acquiring the very best technologies
- Integrating them into a unified simulation platform capable of complex, multiphysics solutions
- Providing system services, including high-performance computing (HPC) and Cloud solutions, to manage simulation processes and data







STUDENT EXTERNAL PARTICIPATION

1) DISTRICT LEVEL TECHNICAL FEST

ORGANIZED BY: **SVCN Nellore**

Target audience: **IV B.TECH Students**

The very first edition of Techfest was in 1998. The underlying spirit of Techfest was "to promote technology and scientific thinking and innovation" a motto that has been followed by every Techfest since. Techfest '98 also set the broad outlines of Techfest in the form of competitions, lectures, workshops and exhibitions which went on to become a standard feature at every Techfest. Entrepreneurship also made an appearance in the 1999 and 2000 editions. Technoholix—Techfest in the Dark, showcasing technological entertainment at the end of each day as well as hub of on the spot activities, made their debut during these years.

Techfest is the annual science and technology festival of Indian Institute of Technology Bombay. It also refers to the independent body of students who organize this event along with many other social initiatives and outreach programs round the year. Techfest is known for hosting a variety of events that include competitions, exhibitions, lectures as well as workshops.





2) University Level Technical Fest

ORGANIZED BY: JNTUA Ananthapuramu

TARGET AUDIANCE: II and IV Mechanical Students

Many technical and entrepreneurship events are held during the fest, including quizzes, Coding marathons, RC car racing and the like. These are broadly classified into various Branch Events. Apart from this, Workshops in a variety of fields are also held. To highlight the social responsibility of Engineers.

This has some of the major crowd pulling events. These events usually have some problem statements and restrictions for bots. Robowars is a major event held under mechanical events.





GROUP DISCUSSION

1) GROUP DISCUSSION

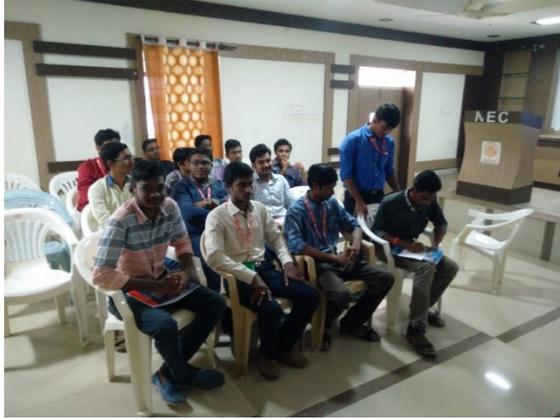
Organized by student association: MIGHTY YANTRIK

DATE: **20-01-2018**

A discussion group is a group of individuals with similar interest who gather either formally or informally to bring up ideas, solve problems or give comments. The major approaches are in person, via conference call or website. People respond comments and post forum in established mailing list, news group or IRC. Other group members could choose to respond by posting text or image.

Small group of professionals or students formally or informally negotiate about an academic topic within certain fields. This implementation could be seen as an investigation or research based on various academic levels. For instance, "one hundred eighty college-level psychology students" breakdown into different groups to participate in giving an orderly arrangement of preferred events. Nevertheless, discussion groups could support professional services and hold events to a range of demographics; another distinguished example is from "The London Biological Mass Spectrometry Discussion Group", which sustainably operates by gathering "technicians, clinicians, academics, industrialists and students" to exchange ideas on an academic level. It attributes to the development of participants' cognitive, critical thinking, and analytical skills.





FDP

1) FACULTY SKILL DEVELOPMENT PROGRAM

Resource person: K.Ramesh Associate Professor NEC-Nellore

Target audience: Staff Members Of Mechanical And Civil Engineering

DATE : 08/02/2018

Department of mechanical engineering organized faculty skill development program on "NX CAD" to staff members of mechanical and civil engineering.

NX, formerly known as "UG". In 2000 Unigraphics purchased SDRC I-DEAS and began an effort to integrate aspects of both software packages into a single product when became Unigraphics NX or usually just NX, is an advanced high-end CAD/CAM/CAE, since 2007 owned by Siemens PLM Software.

Siemens NX software is an integrated product design, engineering and manufacturing solution that helps you deliver better products faster and more efficiently.

- Advanced solutions for conceptual design, 3D modeling and documentation
- Multi-discipline simulation for structural, motion, thermal, flow and multi-physics applications
- Complete part manufacturing solutions for tooling, machining and quality inspection

NX software help you design, simulate and manufacture better products faster by enabling smarter decisions in an integrated product development environment.





GUEST LECTURE

1) A Guest lecture on “carrier opportunities in core industries and interviews tips for Cyient Company”

Resource person: K HARSHA VARDHAN

COMPANY: CYIENT, Hyderabad

DESIGNATION: DESIGN Engineer,

Target audience: IV B.TECH STUDENTS

Date:-21-02-2018

supply of IT professionals from engineering campuses is still constant. There are no measures being taken to scale down the supply of IT graduates being churned out of engineering campuses. According to an AISHE report, 2013-14, every year, over 1.5 lakh IT engineers pass out of colleges from across the country.

To worsen the situation, attracted by the glamour and benefits associated with the IT industry, engineers from other branches also compete for IT jobs. In fact, more than 7.8 lakh engineers (all branches together) pass out every year, and for most of them, an IT job is the first preference.

In this situation, the typical mindset of an engineer is to aim for a core engineering job. But again, such jobs are always limited because they are linked to the industry and functional area.

Engineers are equipped with good logical, analytical and data management skills. Most colleges include management subjects in the engineering curriculum.





CARRER GUIDANCE PROGRAMME

1) Carrier opportunities in Government sector and Higher studies through GATE

Resource person: Mr. M.KiranKumar

COMPANY: Vani Institute Hyderabad

Target audience: II&III B.TECH STUDENTS

Date:-23-02-2018

The biggest question that one must ask from himself before the preparation of any exam is that why one should appear for the exam as that reason itself is the motivation for the exam. GATE is conducted by Ministry of Human Resource Development (MHRD) and it tests the basic understanding of undergraduate subjects.

GATE score is considered as a mandatory requirement for entrance into post-graduate programs in different IITs and NITs. The process for recruitment for M.Tech programs involves qualifying GATE exam and clearing the cut-off for the respective college and then undergoing an interview stage for final admission.

GATE is jointly conducted by 7 IITs and IISc Bangalore and these institutes are responsible for administrative responsibilities of the exam and not directly concerned with preparing the question paper. This exam is one the most prestigious exam in India and not only because it is conducted by IITs but also because of the plethora of opportunities available after GATE. In this article I wish to let you all know in brief about the opportunities available after GATE.

There are certain research positions available through GATE in Bhabha Atomic Research Center (BARC) though GATE as well as BARC conducts its own examination for recruitment. Also, industries like ISRO conduct their own exams on similar pattern as GATE.







2) Career Guidance, Motivation and job opportunities in INDIA ARMY

Resource person: Mr. B. Mohan kumar & Dr.K.Narasimha Reddy

Target audience: STUDENTS OF II B.TECH MECH AND III B.TECH CIVIL

Date:-24-02-2018

Army is one of the most noble profession. Hope you have made your mind to join army and not been forced by anybody. Also if you had mentioned your qualification, it would be easy to guide you, because one can join army anytime with any qualification i.e. after 10th, 12th, diploma, degree, etc.

"This world rests on the arms of heroes like a son on those of his sire. He, therefore, that is a hero deserves respect under every circumstance. There is nothing higher in the three worlds than heroism. The hero protects and cherishes all, and things depend upon the hero".

"Soldiers are men...most apt for all manner of services and best able to support and endure the infinite toils and continual hazards of war"

"People sleep peacefully in their beds at night only because our soldiers stand ready to do violence on their behalf."

This is what Indian Army is all about. "**Supreme Heroism**" and "**Unconditional Love**" for India defines our Indian Army. Our soldiers are meant to be gallant, fierce and ever-ready to sacrifice their lives to protect our Mother India.









3) Career Guidance

Resource person: Mr. V.S.Goutham Reddy

Designation: Research Scholar, IITM, Chennai & Technical Expert, GATE MASTERS ACADEMY, Hyderabad

Target audience: IV&III B.Tech ME STUDENTS

Date:-28-02-2018





STUDENT PARTICIPATION

1) National Science Day

First year Mechanical Engineering students Participated in National Science Day Organized By NEC -Nellore.

Date: 28-02-2018



STUDENT PLACEMENTS

1) PLACEMENT

Company: "JUST DIAL"

Target audience: IV B.TECH STUDENTS

Date: 16-03-2018

Department Of mechanical engineering students who got selected for "JUST DIAL"

Y.Dinesh, K.Vinodhkumar, CHVSM Rajesh, GVSS Saketh, Md.Shazad Ali Baig, D.Ashish.

Just Dial's core business is local search services. This business faces tough competition from companies such as Zomato and Practo. The company, however, states that "its exposure to any particular category is not more than 2-3% and it has not seen an impact on categories like doctors or on-demand services, which remain healthy for the company". Other services labeled as "Search Plus Service" offer online transactions on web and app. However, many specialized apps are taking precedence in the verticals.

The major objective of campus placement is to identify the talented and qualified professionals before they complete their education. It provide employment opportunities to the students who are perusing or in the final stage of completing the course. This process reduces the time for an industry to pick the candidates according to their need. It is a cumbersome activity and hence majority of the companies find it difficult to trace the right talent. Many students do not understand the importance of placement training that is being imparted, whether it is aptitude training or soft skills.





NSS ACTIVITY

1)MEGA BLOOD DONATION CAMP & NATIONAL VACCINATION DAY"

Organized by: NSS Unit NEC-Nellore.

Target audience: I & II B.TECH STUDENTS

Date: 16-03-2018

I am very glad to inform you that, Today N.S.S UNIT of NECN Organized three programs successfully.

1. Mega blood donation camp.
2. National Vaccination Day.

My sincere thanks to our HOD sir and our staff for supporting and encouraging me.

A blood donation occurs when a person voluntarily has blood drawn and used for transfusions and/or made into biopharmaceutical medications by a process called fractionation. Donation may be of whole blood (WB), or of specific components directly. Blood banks often participate in the collection process as well as the procedures that follow it.

India has several blood donation organizations, both governmental and non-governmental. Some major organizations operate in many regions throughout the country while others are regional and operate with local support. Along with conducting blood donation camps, these organizations also raise awareness on voluntary blood donation and public health. Most of the organizations have an online portal where donors can register their details and get updates when camps are organized.







2) "DONATED RICE BAGS AND OLD CLOTHES TO VANAMTHOPU ORPHANAGE PEOPLE"

Organized by: NSS Unit NEC-Nellore.

Target audience: NSS Unit NEC-Nellore.

Date: 16-03-2018

An orphanage is a residential institution devoted to the care of orphans—children whose biological parents are deceased or otherwise unable or unwilling to take care of them. Biological parents, and sometimes biological grandparents, are legally responsible for supporting children, but in the absence of these, no named godparent, or other relatives willing to care for the children, they become a ward of the state, and orphanages are one way of providing for their care, housing and education.

Orphanages, especially large ones, have had some well publicized examples of poor care. In large institutions children, but particularly babies, may not

receive enough eye contact, physical contact, and stimulation to promote proper physical, social or cognitive development.^{[16][17]} In the worst cases, orphanages can be dangerous and unregulated places where children are subject to abuse and neglect.

Children living in orphanages for prolonged periods get behind in development goals, have worse mental health. Orphanage children are not included in statistics making it easy to traffic them or abuse them in other ways. There are campaigns to include orphanage children and street children in progress statistics.



STUDENT ACHIEVEMENTS

1) " JUNK YARD COMPETITION"

Organized by: S V U Thirupathi

Target audience: III B.Tech Students

Date: 17-03-2018

III-B.TECH Mechanical Engineering students (KIRAN KUMAR and CHENNAKRISHNA) had participated and OWN First Prize "JUNK YARD COMPETITION "at M' EXPLORE S V U Thirupathi.

A student competition is any student event where an individual or a team competes for a prize where skill is the main predictor of the winner. There can be a competition between students or teams of students within a classroom or across different schools and across geographical regions. Student competitions help bring about a student's best effort by inspiring creativity and challenging the student to utilize their skills.

At the beginning of each show the challenge of the day was revealed and teams attempted to collect "bodgits" by completing small challenges. "Bodgits" were helpful advantages that teams could earn, including time with the on-set engineer or special parts for use in their build. Two identical school busses filled with junk were given to the teams, who had six hours to create their contraptions.



2) “PROJECT EXPO COMPETITION”

Organized by: NEC-GUDURU

Target audience: II B.Tech Students

Date: 24-03-2018

II-B.TECH Mechanical Engineering students (G.MAHENDRA and K PRASAD) had participated and OWN Second Prize “PROJECT EXPO COMPETITION “at NEC-GUDURU

The purpose of the competition is to encourage interest in science in secondary schools. A Student Design Competition can be technical or purely aesthetic. The objective of technical competitions is to introduce students to real-world

engineering situations and to teach students project-management and fabrication techniques used in industry. Aesthetic competitions usually require art and design skills.



3) “PROJECT EXPO COMPETITION”

Organized by: JNTU-ANANTAPURAMU

Target audience: II B.Tech Student

Date: 28-03-2018

II-B.TECH Mechanical Engineering student Mr. KamalKrishna Raju had participated and OWN Second Prize in **Paper Presentation** at “DYNAMECHS 2K18” Organized by Department of Mechanical Engineering JNTU-ANANTAPURAMU.

A **Paper Presentation** is generally a competition where contestants present their project, results in the form of a report, display board, and/or models that they have created. **Project Expo Competition** allows students in various colleges to compete in science and technology activities. The main motive of a **Project Expo Competition** is for students to answer a question or task, not from a textbook but found out themselves by conducting a range of experiments and ongoing research in the short amount of time allocated to them. In order that the questions or tasks spark a true interest in the student they should be able to have an interesting, eye catching project often portrayed on a display board.



FAREWELL 2K18

1) “FEREWELL 2K18”

Organized by: Dept. of Mechanical Engineering, NEC-NELLORE

Target audience: III B.Tech & IV B.Tech Students

Date: 30-03-2018

Dept. of Mechanical Engineering Had Organized “FEREWELL 2K18” For Final B.Tech Students in Association with Mighty Yanthrik Team.

A farewell is also an expression of good wishes at a parting. If you're leaving a College after being there a long time, your juniors might throw you a farewell party. Farewell is an expression, like "goodbye," but also if you like to leave without a lot of fuss, you don't like long farewells.

Wisdom appears from their pure and peaceful mind. To get admission here students need the wisdom and the guidance of virtue. From the first day of college when took admission and entered to the hostel, continuously have been guided by seniors about this precious part of life in the college.

Seniors who make us able to get adjusted in the completely different environment, new home means college. Of course, college and hostel becomes new home to all the students as see only our family in our homes, however in the college have to face many difficulties, variety of pains, etc which taught us to live without parents and family members. In such an unusual environment learn to adjust and live happily just because of seniors. It was seniors who made feel that we are like free birds and can do anything what we want in the life.







