9 USEFUL SKILLS FOR STUDENTS

TIME MANAGEMENT:
Prepare a weekly schedule that includes time in class, studying, activities, work, meals, study and time with friends. Being a college student is like having a full-time job. Several hours of studying and preparation expected for each class.

STRESS MANAGEMENT:
Regular exercise, adequate rest, good nutrition, prayer and/or meditation are all suggested ways of engaging in self-care that reduces stress. Finding ways to increase coping resources will help students decrease the stressors that life will throw your way.

STUDY SKILLS:
Even some of the best high school students have not always developed good study skills. Knowing how to read a text book, take notes in class, use the library and take multiple choice tests are all areas that will help you be more successful in the classroom.

MONEY MANAGEMENT:
It is important to have experience in independently handling money, balancing a check book, using an ATM, reading a bank statement and learning to make responsible decisions about living on a budget.

ASSERTIVENESS SKILLS:
Speak up for yourself in an assertive manner that is not aggressive or passively allowing others to take advantage of you. Assertiveness skills are helpful in roommate communication, study groups, teams and conflict resolution. They also involve learning and practicing healthy boundaries.

WELL-DEVELOPED SELF CARE SKILLS:
Develop bedtimes based on physical need and health. Adequate sleep and a healthy diet can improve mood, athletic and classroom performance and coping strategies for stress. Exercise, relaxation and good hygiene are also important aspects of self-care.

KEEPING SAFE AND AVOIDING RISKY BEHAVIORS:
Staying safe means learning to advocate for your well being. It means making smart and low-risk choices and planning for the "what ifs" in life.

SEEKING ASSISTANCE WHEN NEEDED:
A big part of advocating for yourself is knowing when to ask for help. The college years are a time for learning new information, new life skills and a new way of relating with our world. Seeking help when you need it is a sign of strength and integrity, not an admission of failure.

RESPECTING THE RULES AND POLICIES:
Every community has rules and policies and our college campus is no different. Our rules and policies apply to safety and fostering a positive community where all students are respectful of themselves, others and the environment.

From the Promotors of NCC Nagarjuna Construction Company

BANGALORE'S TOP AUTONOMOUS COLLEGE

VTU AICTE NBA

NGI NAGARJUNA GROUP OF INSTITUTIONS

EDITION - 1

AUGUST - 2015-16

NAGARJUNA
COLLEGE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING

ANVESHANE

The Discovery Begins.....

Departmental News Letter

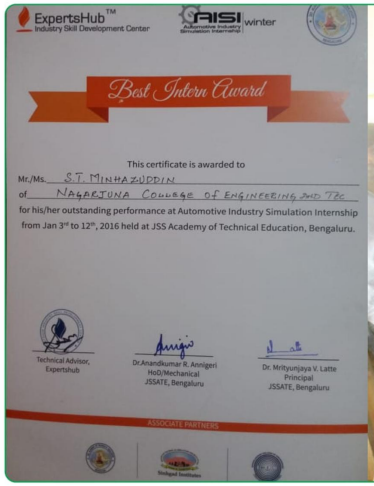
- A one-week Faculty Development Programme on "Advances in Mechanical Engineering" was inaugurated by Dr.Sekhar Majumdar, Formerly head, CFD Division, NAL, Bengaluru. This FDP was organized in association with ISHRAE and ASHRAE, Bengaluru Chapters from 26th to 30th July 2016. Academicians, resource persons from various industries and reputed Institutions were invited to share their knowledge and experience which greatly enhanced the knowledge of faculty members in the emerging areas of Mechanical Engineering.

- An Industrial Visit was organized as part of FDP to University of Agricultural Sciences, Gandhi Krishi Vignan Kendra ,Bengaluru. Dr.V. Kumar Gouda, Project Coordinator explained the details and working of Biogas plant. A visit to CYTECARE, Cancer Hospital, NCET to view the Chillers installed at the location concluded the industrial visit.

- Students of different semesters visited Government Tool room & Training Centre (GTTC) , Bengaluru on 17th March 2016 as part of Industrial visit. With an aim to go beyond academics, the industrial visit provided the students a practical perspective on the world of work and helped to combine theoretical knowledge with industrial

ACHIEVEMENTS OF OUR STUDENTS

- Mr.S.T. Minhazuddin won the best Intern Award for his outstanding performance at Automotive Industry Simulation Internship held from Jan 3rd to 12th 2016 at JSS Academy of Technical Education, Bengaluru


ExpertsHub™
Industry Skill Development Center

AISI winter
Automotive Industry Simulation International

Best Intern Award

This certificate is awarded to

Mr./Ms. S.T. MINHAZUDDIN

of NAGARJUNA COLLEGE OF ENGINEERING AND TEC

for his/her outstanding performance at Automotive Industry Simulation Internship from Jan 3rd to 12th, 2016 held at JSS Academy of Technical Education, Bengaluru.

Technical Advisor, Expertshub

Dr.Anandkumar R. Annigeri HoD/Mechanical JSSATE, Bengaluru

Dr. Mrityunjaya V. Latte Principal JSSATE, Bengaluru

ASSOCIATE PARTNERS

- The students of 8th semester Antony Stanly, Andrew Avinash, Pavan Sastry Y.B, Fahad Ahmed Fareedy in their project titled "Development and Testing of Two Wheeler Ambulance" aimed at providing a solution to the delay of four wheeler ambulance reaching the accident spot due to heavy traffic. With a low cost two wheeler ambulance and a foldable stretcher attachment designed, the competent project earned funding from karnataka state council for science and technology (KSCST)

- Chandrashekar.V of 8th sem won an award for Best Physique in Inter Collegiate Inter Zone Tournaments (2015-2016) held at Global Academy of Technology by VTU.

- Chethan Babu S, Kishor Kumar S and Kiran Kumar B.V presented a poster presentation on "Design And Development of Running Wheel Air Pressure Monitoring System For Vehicles" in the Third International Conference IIETME held in Bengaluru on 6th June 2016.(8th semester)

- The department organized farewell on May 20, 2016 in the college auditorium where juniors bid farewell to the outgoing students with great enthusiasm and nostalgia. The Principal Dr.S.G.Gopalakrishna wished good luck to the students for their future and awarded certificates to toppers and mementos to students.

- After the success of First International Conference on "Innovations and Emerging Trends in Mechanical Engineering", the department hosted the Second International Conference on 17th October 2015 in association with ASHRAE and ISHRAE Bangalore Chapter. Dr. William P Bahnfleth PSU, Dr.Noordin Bin, Dr.Dimitar and Dr.Yan Chen were the dignitaries invited who graced the occasion .70 research papers were presented on new advances and research results in theoretical and experimental fields of mechanical engineering.

- A Faculty Development Programme on Computer Aided Engineering Drawing (CAED) was conducted by Dr. M.S.Govinde Gowda between 10th to 15th December 2015 for the benefit of faculties.

ACHIEVEMENTS OF STAFF

Mr.Venkatesh B. K attended two days FDP on "Nano Materials and Nano Composites" from 20th to 25th June 2016 at MSRIT, Bengaluru.

Mr.Bandoli Siddheshwar Iresh attended two weeks FDP on TIVA Launchpad with ARM Cortex-M4 Microcontroller under Texas Instruments University program held from 13th to 24th June 2016.

Mr. Ravi.Y.V presented a paper entitled "Tensile Strength Evaluation of Hemp and Banana Fibre Composite Materials" at the Third International Conference on "Innovations and Emerging Trends in Mechanical Engineering" at NCET, Bengaluru on 11th June 2016.

Mr.Chethan M.R. completed his comprehensive viva,and has been granted his PhD in May 2016.

Mrs. Smitha Suman attended two days conference on "Residual Stress: Key Challenges & Remedies" on 21st and 22nd January 2016 at CPRI, Bengaluru.

Mr.Bandoli Siddheshwar Iresh published research paper on "Modification and Tribological Evaluation of Vegetable Oil as Two Stroke Engine Lubricant" in IJERT with ISSN 2394-3696 on March 2016.

Mrs. Smitha Suman presented a paper titled "A study of flow during Friction Stir Welding of dissimilar metals and post weld heat treatment" in an International Conference, "processing and Fabrication of Advanced Materials" held in Japan in December - 2015.

ACTIVITIES OF DEPARTMENT

A one day workshop was organized on "Energy and Water Conservation" for the benefit of non-teaching staff on 28th January 2016. Mr.Rakesh Shay, CEO, eQube, Bengaluru was the chief-guest and Mr.T.Nagaraja, President-Elect, ISHRAE Bengaluru Chapter was the Guest-of-Honour. The workshop highlighted the importance of conserving the available natural resources and explained the methods and techniques to conserve them.

ACHIEVEMENTS OF OUR STUDENTS

- We appreciate the efforts of Sandeep R of 6th semester who was actively involved in the formation of Photography club at NCET. This talented artist won appreciation from film star Yash at the college fest IKYA-2016

- Abhishek Kumar, Ashwini Kumar, Nikhil Ankola and Siddappa Yalawar of 4th semester participated in the Summer Internship programme and successfully designed "Robotic Arm for Pick and Place".
- Naveen Kumar of 5th semester participated in the event Fast Hands on Lathe at the State level Tech Fest Tech Vidya 2K15- held on 19th and 20th March 2015 by Sai Vidya Institute of Technology

CONGRATULATIONS to the below mentioned outgoing students of 2016 batch who were placed at various industries.

- Manjunath M and Syed Sakib were placed in KIRLOSKAR CHILLERS Pvt LTD with a pay package of 3.5 lakhs per annum.
- Kirandeep Kaur and Suraj R were offered job at SEVON INDIA Pvt LTD.
- S Samir Goutham and Kishor Kumar S were offered job at ABS.
- Mutturaj Halakki was placed at SAPTHA GROUP.
- Rajnish Kumar and Sanjay Swarnankar were offered jobs at SURAJ MANI .
- Six students were placed in CADD Centre, Bengaluru

All the above students were offered placement during the ISHRAE job junction drive conducted by the department which unfolded job opportunities to the deserving students.

- A Faculty Development Programme on Mechanical Engineering Foundation Lab (Integrated Course) was conducted from 20th to 24th June 2016. This programme was specially designed for faculty members to get trained in conducting the various experiments that are conducted in the Mechanical Engineering Foundation Laboratory. It aimed at equipping teachers with skills and knowledge pertaining to Laboratories.

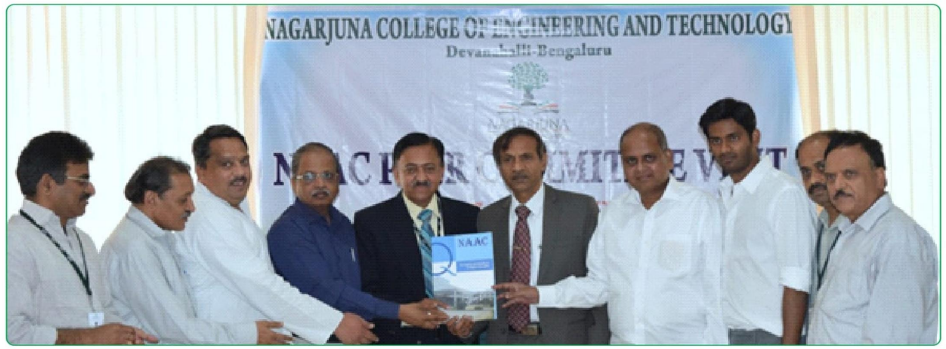
- A Faculty Development Programme on Manufacturing Process Laboratory was organized by the department on 30th June to 1stJuly 2016. Aimed at enhancing the teaching capabilities and skills of faculty members, the event enabled the participants to be familiarized with the experiments in the curriculum through hands on experience.

- A campus recruitment drive called as Job junction was held on 11th and 12th February 2016 in association with ISHRAE Bengaluru Chapter to open up a host of opportunities and placement prospects for Mechanical Engineering students in the field of HVAC&R. This event witnessed many reputed companies like Voltas, Bluestar, Rinac, Saptha Group of Companies, CADD Ennefen Technologies, ABS Aircon Pvt.Ltd, KNND Associates conduct tests and interview for final year students. 350 students from 15 engineering colleges across Karnataka, Tamil Nadu and Kerala participated in this drive and the selected were successfully placed in various industries.

- A department Alumni Meet was organized by the department on 21st February 2016 with a motive of bringing the students and alumni together. 45 alumni from Mechanical Engineering Department came together at Gokul Veg Restaurant with a chance of reconnecting with their alma mater.

- A one day workshop on Virtual Laboratory was conducted in association with NITK, Suratkal on 10th March 2016. Mr.K.V.Gangadhar, Coordinator of Virtual Lab, NITK, Surathkal was the chief resource person of the workshop and introduced the astounding world of Virtual labs.
- Dr. N Kapilan, Prof and Head, Dept of Mech. Engg., addressing the gathering during the KSCST sponsored one day workshop on "Renewable Energy and Water Conservation" on 24th March 2016 . This event highlighted the forgotten fundamentals of the Energy Crisis and the need of the hour to conserve energy in all forms.

- A one day FDP on "Outcome Based Education and Blooms Taxonomy" was organized on 24th March 2016. Dr. D.H Rao, Dean (Engineering), VTU conducted this workshop and familiarized the educational theory that bases each part of the educational system around goals (outcomes).



- The peer team of NAAC visited the department on 5th May 2016. The team interacted with the teaching and non-teaching staff.

- The Inter College Final Year Project Exhibition was organized for final year students in the month of May2016 in which more than ten groups from various engineering colleges participated .This event set a platform for students by providing them an opportunity to present their vision, thoughts and ideas for innovative development in technical field.

EDITORIAL NOTE

I feel privileged in presenting the first issue of our department magazine "ANVESHANE. The essential purpose of ANVESHANE is to inform, engage, inspire and entertain a diverse readership- including students, parents, faculty, alumni and staff of NCET. ANVESHANE was conceived to be a platform where students, staff and faculty would present their literary talents. In its commitment to accuracy, healthy disclosure and editorial balance, the magazine endeavours to reflect the values and quality of the institution itself. I would like to place on record my gratitude and heartfelt thanks to all those who have contributed to make this effort a success.

Dr.N.Kapilan
Professor & Head,
Department of Mechanical Engineering

EDITORIAL TEAM :

- Dr. N. Kapilan, HOD
- Mrs. Smitha Suman, Assistant Professor
- Mr. Vijay Kumar M Patil, Assistant Professor
- Mr. Amaresh Gunge, Assistant Professor

STUDENT COMMITTEE :

- Mr. Manohar.J.Achar
- Mr. Sandeep.R
- Mr. Fahad Ahmad Fareedy
- Ms. Arpitha

MECHANICAL ENGINEERING

VISION

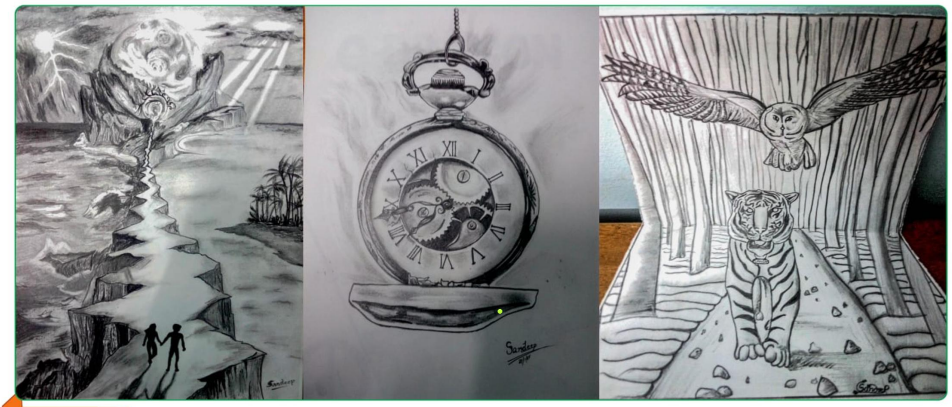
Leadership and Excellence in the field of Mechanical Engineering Science & Technology

MISSION

- M1:Maintaining excellence in Mechanical Engineering education through academic professionalism, teaching, curricula which reflect the changing needs of the society.
- M2:Promoting excellence in teaching and research through collaborative activities.
- M3:Developing Communication skill , leadership qualities, team work and skills for continuing education among the students.
- M4:Inculcating Ethics , Human values and skills for solving societal problems and environmental protection.
- M5:Promoting Research, Higher Studies and Entrepreneurship among the students

- The department hosted the World Environment Day on 5th June 2016, the theme of the programme being "Clean and Green city. Saplings were planted and various programmes like quiz competition, painting and running vehicles by using bio diesel were organized.

STUDENTS SPACE



SANDEEP,

RONAL ,