

Mechanical Engineering Department News Letter “We Build Machines that Build Nation”

Vision

- To strive for making competent mechanical engineering Professionals to cater the real time needs of Industry and Research Organizations of high repute with entrepreneurial skills and ethical values.

Mission

- To train the students with state of art infrastructure to make them industry ready professionals and to promote them for higher studies and research.
- To employ committed faculty for developing competent mechanical engineering graduates to deal with complex problems.
- To support the students in developing professionalism and make them socially committed.

MODERN TRENDS IN TECHNOLOGY

Biomedical Engineering :

- **Biomedical engineering (BME)** or **medical engineering** is the application of engineering principles and design concepts to medicine and biology for healthcare purposes.
- BME is also traditionally known as "bioengineering". This field seeks to close the gap between engineering and medicine.
- Combining the design and problemsolving skills of engineering with medical biological sciences to advance health care treatment, including diagnosis, monitoring and therapy.



Faculty Focus:

Faculty publications:

- Dr.B.Venkatasivaprofessor published a Journal paper entitled“**Fabrication and Tribological Studies of Al–CSA Composite Using RM**” Int. J. of Materials Engineering Innovation, (Accepted for Publication IJMATEI-291323-Scopus indexed-2020)
- Dr.B.Venkatasivaprofessor published a Journal paper entitled“**Influence of modifier oxides on spectroscopic features of Nd2O3 doped PbO-Mo2O3-WO3-B2O3 glasses(with Ro2O3 = Sb2O3, Al2O3, and Bi2O3)**” Journal of Luminescence (Available online on 28-02-2020)-Elsevier Publisher, IF-3.28, SCI Indexed.
- Dr.Donepudi Jagadish, professor published a Journal paper entitled “**Computational fluid dynamic analysis of**

NodulariaSpumigena Microalgae Biodiesel and Karanja biodiesel blends using ANSYS in CI engine”,28thMarch2020,<https://doi.org/10.1016/j.matpr.2020.03.781> (Elsevier Journal).

- Dr.Donepudi Jagadish,professor published a Journal paper entitled “**Comparative performance and emission studies of the CI engine with NodulariaSpumigena microalgae biodiesel versus different vegetable oil derived biodiesel**”SN Journal of Applied Sciencesdoi.org/10.1007/s42452-020-2697-0, April 2020 (Web of Science Journal).
- Pilli Sravani,Assistantprofessor published a Journal paper entitled“**The Numerical Research of Bubble Growth and Bubble Frequency in Pool Boiling using Metal Oxide Nano Fluid**” International Journal of Innovative Technology and Exploring Engineering (IJITEE)’, ISSN: 2278–3075 (Online), Volume-9 Issue-6, April 2020, Page No. 2105-2111.
- Dr.Donepudi Jagadish, professor published a Journal paper entitled “**A Case Study of Wind Turbine Loads and Performance using Steady State Analysis of BEM**”, InternationalJournalofSustainableEnergy,doi.org/10.1080/14786451.2020.1787411, May 2020 (Taylor & Francis Journal).

WORKSHOPS / CONFERENCES ATTENDED:

- Dr.SuneelDonthamsetty,PenugondaSureshBabuattended“**I nvestigations on Hardness,Machinability and Electrical Conductivity of A356 Nanocomposites Reinforced with Sic Nanoparticles International conference on Advances in Material Science & Mechanical Engineering (ICAMSME 2020)**”, organized by N.B.K.R. Institute of Science & Technology (Autonomous), Vidyanagar, Nellore Dist, A.P during 07/02/2020 to 09/02/2020.
- Dr.B.Venkata Siva Participated in a 3 days International E-Conference on “**Strategies & Challenges in Higher Education during COVID-19 Lockdown Period in India with reference to the World**” Organized by Government Vidarbha Institute of Science & Humanities, Amravati, Maharashtra during 15/05/2020 to 17/05/2020.
- DonepudiJagadish,Ch.Sekhar,Sk.Bajaan,andK.Sreenivasulan dP.Srinivasa Rao studies of variable compression ratio S.I engine fueled with LPG” 2nd National Conference on Recent Trends in Mechanical Engineering, GIST, Nellore " Performance Geethanjali Institute of Science and Technology, Nellore, Andhra Pradesh, India on 30-06-2020

FacultyAchievements/ Certifications FDP/Webinars/Quiz:

- Dr.M.Sreenivasa Kumar, Principal of Narasaraopeta Engineering College completed four Coursera Certifications.
- Dr.D.Suneel, Head Of The Department completed thirty-one Coursera Certifications during 15/04/2020 to 23/05/2020.
- Dr.D.Jagadish, Professor completed six Coursera Certifications during 22/04/2020 to 13/05/2020.
- Dr.S.B.Venkata Siva, Professor completed twenty-nine Coursera Certifications during 16/04/2020 to 03/06/2020.
- P.Suresh Babu, Assistant Professor completed fifteen Coursera Certifications during 24/04/2020 to 20/05/2020.
- M.Venkaiah, Assistant Professor completed sixteen Coursera Certifications during 28/04/2020 to 09/05/2020.

- CH.Sekhar, Associate Professor completed twenty-eight Coursera Certifications during 27/04/2020 to 17/05/2020.
- M.Venkanna Babu, Associate Professor completed seven Coursera Certifications during 25/04/2020 to 01/05/2020.
- T.Venkata Deepthi, Assistant Professor completed twenty-three Coursera Certifications during 25/04/2020 to 19/05/2020.
- P.SrinivasaRao, Assistant Professor completed ten Coursera Certifications.
- P.Sravani, Assistant Professor completed thirteen Coursera Certifications during 26/04/2020 to 26/05/2020.
- K.Kiran Chand, Associate Professor completed twenty-four Coursera Certifications during 25/04/2020 to 18/05/2020.
- T.AshokKumar, Assistant Professor completed three Coursera Certifications during 25/04/2020 to 27/04/2020.
- N.Vijaya Sekhar, Assistant Professor completed six Coursera Certifications during 11/05/2020 to 12/05/2020.
- B.RajivKumar, Assistant Professor completed twenty-three Coursera Certifications during 25/04/2020 to 19/05/2020.
- K.John Babu, Assistant Professor completed sixteen Coursera Certifications during 22/04/2020 to 07/05/2020.
- P.Rajanna, Assistant Professor completed fourteen Coursera Certifications during 28/04/2020 to 09/05/2020.
- SK.Bajan, Assistant Professor completed eighteen Coursera Certifications during 28/04/2020 to 20/05/2020.
- B.Venkat Sravan Kumar, Assistant Professor completed eighteen Coursera Certifications during 29/04/2020 to 29/05/2020.
- G.Naga Raju, Assistant Professor completed eight Coursera Certifications during 27/04/2020 to 30/04/2020.
- P.Sarath Chandra, Assistant Professor completed eight Coursera Certifications during 29/04/2020 to 31/05/2020.
- Dr.M.Sreenivasa Kumar, Principal of Narasaraopeta Engineering College completed three online quiz Certifications.
- Dr.D.Suneel, Head Of The Department completed thirty-one online quiz Certifications during 15/04/2020 to 23/05/2020.
- Dr.D.Jagadish, Professor completed four online quiz Certifications during 18/05/2020 to 29/05/2020.
- Dr.B.Venkata Siva, Professor completed ten online quiz Certifications during 13/05/2020 to 30/05/2020.
- Dr.P.Suresh Babu, Associate Professor completed six online quiz Certifications during 08/05/2020 to 22/05/2020.
- M.Venkaiah, Assistant Professor completed twenty three online quiz Certifications during 12/05/2020 to 01/06/2020.
- CH.Sekhar, Associate Professor completed sixteen online quiz Certifications during 24/04/2020 to 29/05/2020.
- M.Venkanababu, Associate Professor completed fourteen online quiz Certifications during 08/05/2020 to 27/05/2020.
- Dr.T.Venkata Deepthi, Associate Professor completed twenty seven online quiz Certifications during 08/05/2020 to 31/05/2020.
- P.Sravani Assistant Professor completed eight online quiz Certifications during 06/05/2020 to 29/05/2020.
- K.Kiran Chand, Associate Professor completed twenty seven online quiz Certifications during 06/05/2020 to 31/05/2020.
- T.Ashok kumar, Assistant Professor completed fourteen online quiz Certifications during 10/05/2020 to 26/05/2020.
- N.Vijaya Sekhar, Assistant Professor completed two online quiz Certifications during 09/05/2020 to 31/05/2020.
- B.RajivKumar, Assistant Professor completed twenty nine online quiz Certifications during 06/05/2020 to 29/05/2020.
- K.John Babu Assistant Professor completed fourteen online quiz Certifications during 10/05/2020 to 27/05/2020.
- P.Rajanna Assistant Professor completed fourteen online quiz Certifications during 08/05/2020 to 29/05/2020.
- SK.Bajan, Assistant Professor completed sixteen online quiz Certifications during 08/05/2020 to 31/05/2020.
- B.Venkat Sravan Kumar, Assistant Professor completed four online quiz Certifications during 10/05/2020 to 01/06/2020.
- G.Naga Raju Assistant Professor completed twenty two online quiz Certifications during 12/05/2020 to 04/06/2020.
- P.Sarath Chandra, Assistant Professor completed twenty two online quiz Certifications during 10/05/2020 to 30/05/2020.
- Dr.M.Sreenivasa Kumar, Principal of Narasaraopeta Engineering College attended online webinar Certifications during 01/04/2020 to 31/05/2020.
- Dr.D.Suneel, Head Of The Department attended thirty six online webinar certifications during 15/02/2020 to 23/05/2020.
- Dr.D.Jagadish, Professor attended thirty seven online webinar certifications during 01/04/2020 to 31/05/2020.
- Dr.S.B.Venkata Siva, Professor attended forty nine online webinar certifications during 01/04/2020 to 31/05/2020.
- Dr.P.Suresh Babu, Associate Professor attended forty five online webinar certifications during 01/04/2020 to 31/05/2020.
- M.Venkaiah, Associate Professor attended twenty one online webinar certifications during 01/04/2020 to 31/05/2020.
- CH.Sekhar, Associate Professor attended six online webinar certifications during 01/04/2020 to 31/05/2020.
- M.Venkanababu, Associate Professor attended fifty four online webinar certifications during 01/04/2020 to 31/05/2020.
- Dr.T.Venkata Deepthi, Associate attended twenty nine online webinar certifications during 01/04/2020 to 31/05/2020.
- P.Sravani Assistant Professor attended thirteen online webinar certifications during 01/04/2020 to 31/05/2020.
- K.Kiran Chand, Associate Professor attended forty online webinar twenty seven online quiz Certifications during 01/04/2020 to 31/05/2020.
- T.Ashok kumar, Assistant Professor attended thirty nine online webinar certifications during 01/04/2020 to 31/05/2020.
- N.Vijaya Sekhar, Assistant Professor attended two online webinar certifications during 01/04/2020 to 31/05/2020.
- B.RajivKumar, Assistant Professor attended forty six online webinar certifications during 01/04/2020 to 31/05/2020.
- K.John Babu Assistant Professor attended thirty nine online webinar certifications during 01/04/2020 to 31/05/2020..
- P.Rajanna Assistant Professor attended twelve online webinar certifications during 01/04/2020 to 31/05/2020.
- SK.Bajan, Assistant Professor attended fourteen online webinar certifications during 01/04/2020 to 31/05/2020.
- B.Venkat Sravan Kumar, Assistant Professor attended seven online webinar certifications during 01/04/2020 to 31/05/2020.
- G.Naga Raju Assistant Professor attended twenty eight online webinar certifications Certifications during 01/04/2020 to 31/05/2020.
- P.Sarath Chandra, Assistant Professor attended thirty two online webinar certifications during 01/04/2020 to 31/05/2020.
- Dr.M.Sreenivasa Kumar, Principal of Narasaraopeta Engineering College attended Nine online FDP certifications during 01/04/2020 to 31/05/2020..

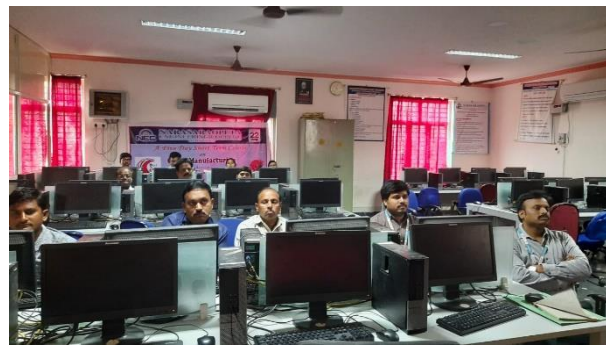
- Dr.D.Suneel, Head Of The Department attended twenty one online FDP certifications during 01/04/2020 to 31/05/2020.
- Dr.D.Jagadish, Professor attended two online FDP certifications during 01/04/2020 to 31/05/2020.
- Dr.B.Venkata Siva, Professor attended seventeen online FDP certifications during 01/04/2020 to 31/05/2020.
- Dr.P.Suresh Babu, Associate Professor attended twelve online FDP certifications during 01/04/2020 to 31/05/2020.
- M.Venkaiah, Associate Professor Associate attended nineteen online FDP certifications during 01/04/2020 to 31/05/2020.
- M.Venkanababu, Associate Professor attended twenty three online FDP certifications during 01/04/2020 to 31/05/2020.
- Dr.T.Venkata Deepthi, Associate Professor attended twenty one online FDP certifications during 01/04/2020 to 31/05/2020.
- P.Sravani Assistant Professor attended eleven online FDP certifications during 01/04/2020 to 31/05/2020.
- K.Kiran Chand, Associate Professor attended twenty online FDP certifications during 01/04/2020 to 31/05/2020.
- T.Ashok kumar, Assistant Professor attended twelve online FDP certifications during 01/04/2020 to 31/05/2020.
- N.Vijaya Sekhar, Assistant Professor attended seven online FDP certifications during 01/04/2020 to 31/05/2020.
- B.RajivKumar, Assistant Professor attended twenty online FDP certifications during 01/04/2020 to 31/05/2020.
- K.John Babu Assistant Professor attended eighteen online FDP certifications during 01/04/2020 to 31/05/2020.
- P.Rajanna Assistant Professor attended eighteen online FDP certifications during 01/04/2020 to 31/05/2020.
- SK.Bajan, Assistant Professor attended twelve online FDP certifications during 01/04/2020 to 31/05/2020.
- B.Venkat Sravan Kumar, Assistant Professor attended six online FDP certifications during 01/04/2020 to 31/05/2020.
- G.Naga Raju Assistant Professor attended fourteen online FDP certifications during 01/04/2020 to 31/05/2020.
- P.Sarath Chandra, Assistant Professor attended ten online FDP certifications during 01/04/2020 to 31/05/2020.

Department activities:

- Department of Mechanical Engineering and Department of Electronics and Communication Engineering has organized a three day workshop on **“Industrial Drone Making”** during 03/02/2020 to 05/02/2020 in association with Fopple Tech Drone Pvt Ltd.



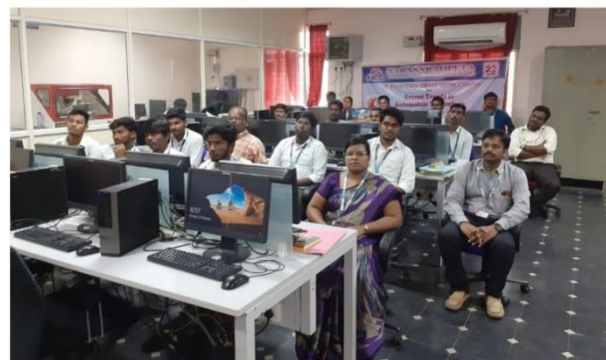
- Department has organized a Five day short term course on **“GREEN MANUFACTURING”**, in association with NITTTR –Chandigarh during 03/02/2020 to 07/02/2020.



- Department has organized a Two day Orientation Program on **“VIRTUAL REALITY (VR) AND 3D SCANNER”**, in association with APSSDC – Andhra Pradesh during 10/02/2020 to 11/02/2020.



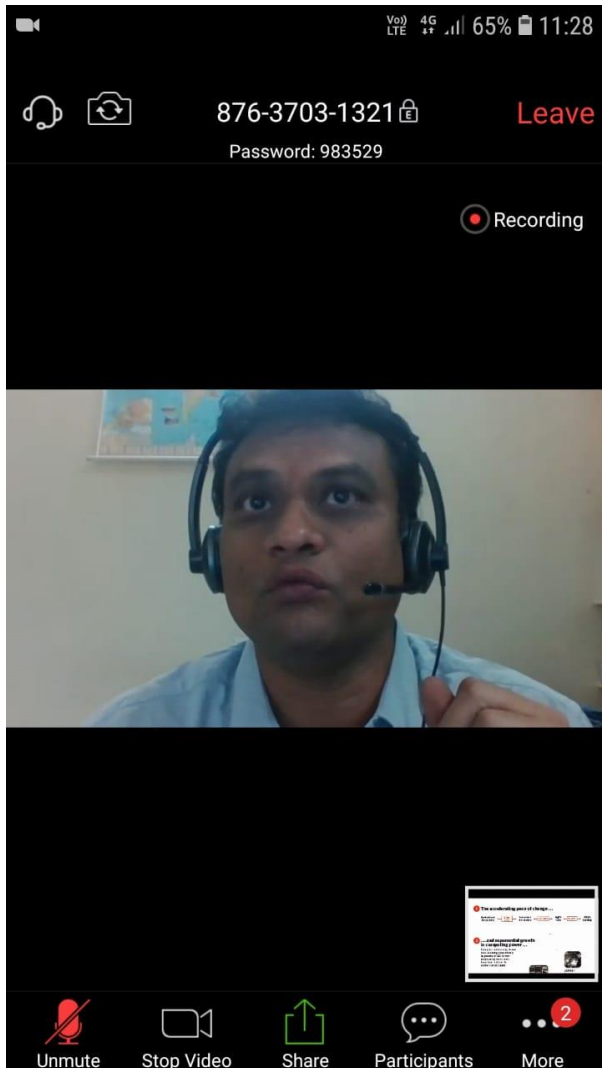
- Department has organized a Five day short term course on **“RECENT TRENDS IN AUTOMOBILE TECHNOLOGY”**, in association with NITTTR, Chandigarh from 24/02/2020 to 28/02/2020.
- NITTTR CHANDIGARH FDP PROGRAM
(24-02-2020 TO 28-02-2020)**



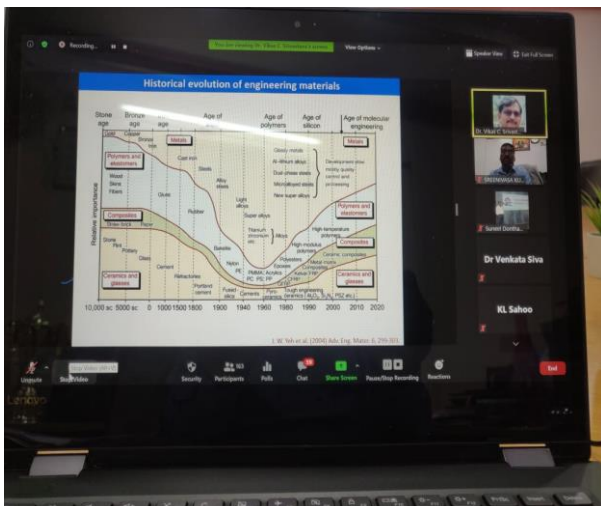
- Department has organized a Guest Lecture on **“FUTURE SKILLS-2030: HOW TO PREPARE FOR TOMORROWS JOBS (INDUSTRY 4.0)”**, for this webinar Dr.P.SrinivasRao ,Global Head, Technical Training,CYIENT, Hyderabad acted as a resource person on 13/03/2020.



- Department has organized a Webinar on “**EVOLUTION OF CONNECTED FACTORIES**”, for this webinar Dr.Dr.P.Srinivas Rao ,Global Head, Technical Training, ,CYIENT,Hyderabad acted as a resource person on 23/05/2020.



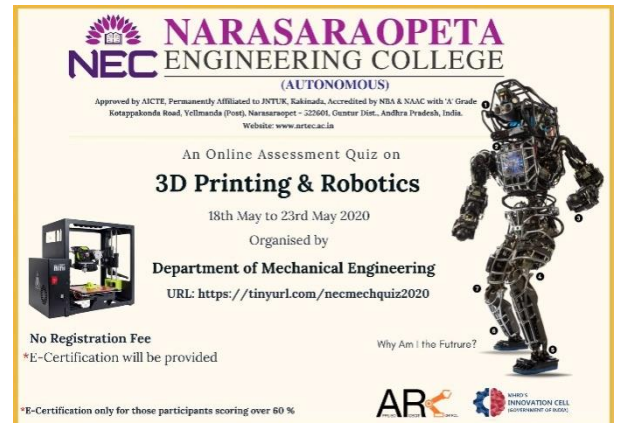
- Department has organized a webinar on “**ADVANCED MATERIAL PROCESSING**”, for this Dr.V.C.SRIVASANTAVA, senior principle scientist, CSIR - National Metallurgical Laboratory, acted as a resource person on 04/06/2020.



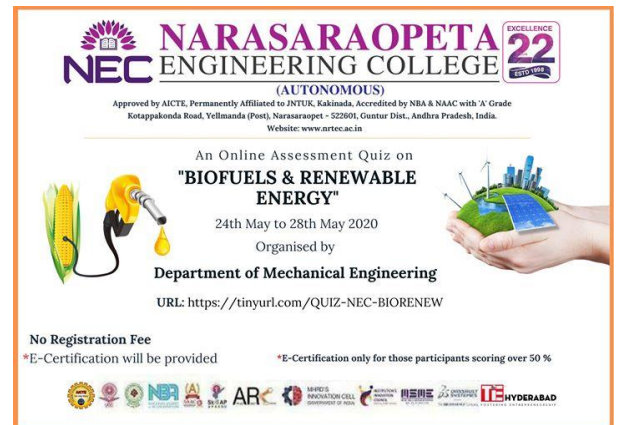
Student Focus

STUDENT PARTICIPATIONS IN WORKSHOPS / CONFERENCES/NSS PROGRAMS

- Department has organized an “**Online Assessment Quiz on 3D Printing and Robotics**” by final year students from 18/05/2020 to 23/05/2020.



- Department has organized an “**Online Assessment Quiz on Biofuels and Renewable Energy**” during 24/05/2020 to 28/05/2020.



Industrial Visits:

- 50 Students from Second year Visited “**SAGAR CEMENT POWER PLANT**”, Nakarikallu as a part of industrial visit on 05/02/2020



Student Achievements in Sports and Technical events:

- T.Sai Krishna(16471A0352) final year student participated in “**Volley Ball**”, organized by Sri Mittapalli College of Engineering during 06/02/2020 to 07/02/2020.
- G.Trinadh(17471A0382) third year student participated in “**Technical Quiz**”, organized by Sai Thirumala Engineering College during 06/02/2020 to 07/02/2020.
- T.Sai Krishna(18475A0352) student participated in “**Volley Ball**”, organized by Sai Thirumala Engineering College during 06/02/2020 to 07/02/2020.

- N.Chiranjeevulu(18475A0358) second year student participated in “**Carroms**”, organized by Sri Mittapalli College of Engineering during 06/02/2020 to 07/02/2020.
- V.Bhuvan Chandra(18475A0367) second year student participated in “**Kabaddi**”, organized by Sri Mittapalli College of Engineering during 06/02/2020 to 07/02/2020.
- N.YagnaMalleswara Rao(17471A0359) third year student has participated in “**Carroms**”, organized by Sri Mittapalli College of Engineering during 07/02/2020 to 08/02/2020.
- B.Prakash(17471A0360) third year student participated in “**Volley Ball**”, organized by Sri Mittapalli College of Engineering during 07/02/2020 to 08/02/2020.
- S.Kamala Kumar(17471A0320) third year student participated in “**Volley Ball**”, organized by Sri Mittapalli College of Engineering during 07/02/2020 to 08/02/2020.
- Ch.Ravi Teja(17471A0373)) third year student participated in “**Volley Ball**”, organized by Sri Mittapalli College of Engineering during 07/02/2020 to 08/02/2020.
- T.Sai Krishna(16471A0352) final year student participated in “**Volley Ball**”, organized by Sri Mittapalli College of Engineering during 07/02/2020 to 08/02/2020.
- P.Manikanta(17471A0331) third year student participated in “**Kho-Kho**”, organized by Sri Mittapalli College of Engineering during 07/02/2020 to 08/02/2020.
- K.Babu(19475A0318) second year student participated in “**Kabaddi**”, organized by Sri Mittapalli College of Engineering during 07/02/2020 to 08/02/2020.
- B.Ravi Teja(17471A0374) third year student participated in “**Kabaddi**”, organized by Sri Mittapalli College of Engineering during 07/02/2020 to 08/02/2020.
- N.Chiranjeevulu(18475A0358) second year student participated in “**Carroms**”, organized by Sri Mittapalli College of Engineering during 07/02/2020 to 08/02/2020.
- V.BhanuChandar(18475A0367) second year student participated in “**Kabaddi**”, organized by Sri Mittapalli College of Engineering during 07/02/2020 to 08/02/2020.
- S.Kamala Kumar(17471A0332) third year student participated in “**Volley Ball**”, organized by Sri Mittapalli College of Engineering during 07/02/2020 to 08/02/2020.
- Y.Prateep(18471A0336) second year student participated in “**The Lord**”, program organized by RVR&JC Engineering College on 27/02/2020.

Alumni Voice:



I am a student of NEC and would like to whole heartedly announce that, NEC has provided me a wonderful environment and opportunity to learn and grow myself academically. It was a great time, spent in NEC. The four years spent here was splendid and has helped me excel professionally as well as personally. Apart from academic, department offers various opportunity to enjoy our college

days which was attracting us towards college many of the time. The relation between faculty and student is very cordial, which gave me an opportunity to excel further.

V. Mani Kanta (2016Batch)

ENGINEER KIA MOTORS, ANDHRA PRADESH .



Student Voice

I feel very blessed to be a Mechanical engineering student in Narasaraopeta Engineering college. Our faculty who are inspiring the future Technocrats, they taught us technical strategies, they mentor, guide us and teach classes in a practical manner and encouraged each and every student's interests. Our backbone is our HOD Dean (Acad.) Dr.D.Suneel sir who encourages student ideas and creates a platform to develop their ideas.

SK.Baji -B.Tech, (17471A0315)

“You have to dream before your dreams can come true”.
A.P.J.Abdul kalam