

International Yoga Day



On the eve of 4th International yoga day 21st JUN 2018, College NSS unit have organized Yoga Session at college Auditorium premises. The session have received encouraging response from student volunteers of NSS.

Almost 50 Student volunteers with NSS Program officer and staff coordinators have participated in this and made the session fruitful. The session was headed by Mrs.L.Shanthi secretary of women yoga for Krishna District.

At the end of session student volunteers have asked the yoga remedies for their General health complaints and have learnt that doing yoga regularly improves the brain function, memory ,concentration and improves blood circulation.

An Industrial visit is organized for faculty (G. Purna Chandra Rao - Asst. Professor ME Department, M. Bharathi- Asst. Professor ME Department) and students of about 120 went an one day industrial visit to APMDC (ANDHRA PRADESH MINERAL DEVELOPMENT CORPORATION) located in Vijayawada, Andhra Pradesh. They also explained about various minerals Properties and their applications in various Industries, they also told the ongoing projects in Dwaraka tirumala of Ball Clay mine spread over 34.41 acre which are mainly used in ceramics industries and they also showed the display of various extracted and available minerals and also the Rock Samples that are available in various districts of Andhra Pradesh.



Mineral Display at APMDC

Explanation of Mining in AP

VISION

To prepare mechanical engineers with global competency and desire to serve the society.

MISSION

- DM1: Transforming students as Mechanical Engineers with professional attitudes, Industrial adoptability, and leadership abilities.
- DM2: Providing Quality Education with state-of-art facilities.
- DM3: Inculcating ethical values, ability to lifelong learning and social responsibilities.

PROGRAM EDUCATIONAL OBJECTIVES

- PEO1: To pursue successful careers or higher studies in Mechanical engineering through their strong foundation in mathematics, science and engineering.
- PEO2: To analyze and design appropriate solutions for socially relevant problems by using current engineering techniques.
- PEO3: To exhibit professionalism, ethical attitude, communication, managerial skills, team work and social responsibility in their profession and adapt to current trends by engaging in continuous learning.
- PEO4: To grab an opportunity to expand their horizon beyond Mechanical engineering.



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“When something is important enough, you do it even if the odds are not in your favor.”

-Elon Musk



Cycle tracks will abound in Utopia. ~H.G. Wells

Tesla Brings New Technology to E-Bike Batteries. It sounds like a fairy tale; e-bike batteries that last as long as the e-bike itself. A lifetime of over ten years is within reach. New cell technology also brings batteries capable of much more pedal-supported mileage. And it already comes in 2018. All this is thanks to Tesla. That Tesla is behind revolutionized batteries for electric bicycles has all to do with the recent changes at the leading battery cell makers Panasonic, Sony, Samsung and LG. Together these four make out some 80% of the world production of battery cells. These cells are like penlight batteries commonly used in every household. When connected lots of these cylindrical shaped cells make an e-bike battery when of course integrated technology is added like a Battery Management System (BMS).

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One week workshop Fusion 360 has been organized by DIET in association with APSSDC in the Department of Mechanical Engineering on 18th June 2018 to 23rd June 2018 for IV year students. Trainers trained the students on AutoCAD, which gives an idea about how to use software for designing machine parts. In this workshop 30 students from II year Mechanical Engineering Actively participated. The program is coordinated by Faculty members Mr. K. B. V. SatyaPrakash & Mr. P. V. SivaTeja.

One week workshop on Auto CAD has been organized by DIET in association with APSSDC in the Department of Mechanical Engineering on 27th June 2018 to 9th December 2018 for III year students. Mr. Jagadeesh and Sumahona, APSSDC Master Trainers trained the students on CATIA, which gives an idea about how to use software for designing machine parts. In this workshop 32 students from III year Mechanical Engineering Actively participated. The program is coordinated by Faculty members Mr. K. B. V. SatyaPrakash & Mr. P. V. SivaTeja.



Guest Lecture on Material applications and engineering is organized in the department of mechanical engineering on 23.07.2018 by Dr. Venkateswarlu, Scientist in material science division, NAL Bangalore. He delivered a lecture on material science applications, Ti alloys, additive manufacturing, Advantages of Graphine for students. The students are benefited by the lecture delivered by the Professor and after the lecture he interacted with the faculty members and gave suggestions regarding pursuing research work.

Guest Lecture on Modified Hydro Electricity is organized under the EDC cell on 05.07.2018 for Mechanical, Electrical and Civil II, III and IV year students by Mr. G. K. Ratnakar. He explained the working condition of several types of turbines which can generate 1 to 100KW power.

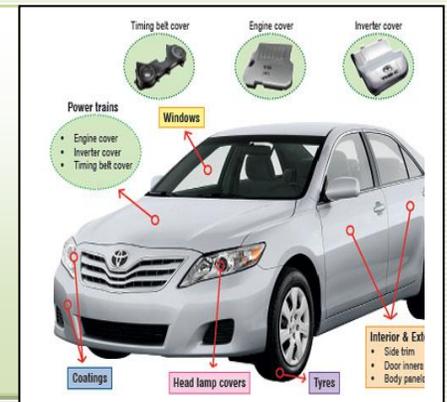


NANO COMPOSITES

Composite materials are a new emerging class of materials to overcome the limitations of monolithic conventional materials.

Advantages of nano composites:

- Small filler size
- .High surface to volume ratio.
- .Mechanical properties improved.
- .Optical properties are also improved.



Current research areas include 1) development of nano mechanical and optical biosensors and their application to detection of a variety of proteins including cancer markers 2) novel receptor molecules and their integration into biosensing, 3) biosensing using nano particles, 4) rapid detection of pathogens and 5) sensitivity enhancement of biosensors. The work is currently supported by NSF and NASA. Researches in several disciplines, including manufacturing science and engineering, control, radiation, optics, and mechanics. It is currently supported by NSF, ONR, and NASA.



ధనేకులలో సర్టిఫికేషన్ ప్రోగ్రామ్ ప్రారంభం

గంగూరు (పెనమలూరు), జూన్ 27 : గంగూరు ధనేకుల ఇంజనీరింగ్ కళాశాల మెకానికల్ ఇంజనీరింగ్ విభాగంలో ఆటో క్యాడ్ మోడలింగ్ పై మూడో సంవత్సర విద్యార్థులకు ఏపీఎస్ డీసీ ఆధ్వర్యంలో ఆరు రోజుల సర్టిఫికేట్ కోర్సును ప్రారంభించారు. దీని వల్ల విద్యార్థుల్లో నైపుణ్యాభివృద్ధి కలుగుతుందని, వారి ఉత్తీర్ణత ఆధారంగా సర్టిఫికేట్ జారీ చేస్తారని మెకానికల్ విభాగాధిపతి శ్రీకాంత్ తెలిపారు. ఈ కార్యక్రమానికి జగదీష్ జి.సుమోహన్ హజరై విద్యార్థులకు అవగాహన కల్పించారు. కళాశాల చైర్మన్ ధనేకుల రాగూర్, కార్యదర్శి భవానీపాద్, డిప్యూటీ కడియాల

ధనేకులలో ఫుషన్ 360 అడ్వాన్స్డ్ సాఫ్ట్వేర్ పై శిక్షణ

గంగూరు (పెనమలూరు), జూన్ 18: గంగూరు ధనేకుల ఇంజనీరింగ్ కళాశాలలో మెకానికల్ ఇంజనీరింగ్ విభాగంలో ఏపీఎస్ డీసీ వారి ఆధ్వర్యంలో ఆరు రోజుల పాటు ఆటో డిస్కవరీ వారు రూపొందించిన ఫుషన్ 360 అను శ్రీడీ మోటోరింగ్ సాఫ్ట్వేర్ పై శిక్షణ కార్యక్రమాన్ని సోపానం ప్రారంభించారు. ఈ తరగతులకు వైస్ చీఫ్ మెకానికల్ ఇంజనీరింగ్ విద్యార్థులకు అవసరమైన ఉపాధి నైపుణ్యాలు పెరుగుటకు దోహదపడతాయి. ఈ తరగతుల్లో మోటోరింగ్ ఏసోసియేషన్ శ్రీడీ డివిజన్ అసెంబ్లీంగ్ డ్రాఫ్టింగ్ గురించి వివరించనున్నారు. ఏపీఎస్ డీసీ తరఫున ఏన్.ఎ.బీ. శిక్షణ ఇస్తున్నారని కళాశాల డిప్యూటీ కడియాల చి తెలిపారు. ఈ కార్యక్రమంలో కళాశాల చైర్మన్ ధనేకుల చీఫ్ డిప్యూటీ రాగూర్.