



Narasaraopeta Engineering College

(Autonomous)

Approved by AICTE, Permanently affiliated to JNTUK, Kakinada

Accredited by NBA Tire-1, NAAC with 'A+' Grade

Kotappakonda Road, Yellamanda Post, Narasaraopet - 522601 Guntur Dist., A.P

DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

COMMUNICATION EMPOWERS

B.S.&H News Letter OCTOBER- NOVEMBER, 2022.

New Trends in Technology

Technology today is evolving at a rapid pace, enabling faster change and progress, causing an acceleration of the rate of change. Artificial intelligence will become more prevalent in 2023 with natural language processing and machine learning advancement. Artificial intelligence can better understand us and perform more complex tasks using this technology. Artificial intelligence has played an essential role in making our world smarter and smoother. It is not just simulating humans but going the extra mile to make our life hassle-free and simpler. Next, one of the new technologies is Datafication .Datafication is simply transforming everything in our life into devices or software powered by data. So, in short, Datafication is the modification of human chores and tasks into data-driven

technology. Another key trend in innovation and technology is 3D printing which is used to formulate prototypes. This technology has been impactful in the biomedical and industrial sectors. None of us thought of printing a real object from a printer, while right now, it's a reality. Next remarkable technology trend is quantum computing, which is a form of computing that takes advantage of quantum phenomena like superposition and quantum entanglement. This amazing technology trend is also involved in preventing the spread of the coronavirus, and to develop potential vaccines, thanks to its ability to easily query, monitor, analyse and act on data, regardless of the source. Another field where quantum computing is finding applications is banking and finance, to manage credit risk, for high-frequency trading and fraud detection.

FACULTY FOCUS

Dr.K.Ponnari Lakshmi, Professor, H.O.D. B.S&H participated in IP Awareness/ Training Programme under “National Level Intellectual Property Awareness Mission (NIPAM)”, on 10th March 2023, organised by intellectual property office , India.

Dr.K.Ponnari Lakshmi, Professor, H.O.D. B.S&H successfully completed NPTEL-FDP on “Soft skill Development” , January – March , 2023, 8 weeks program.

Dr.K.Ponnari Lakshmi, Professor, H.O.D. B.S&H successfully completed NPTEL course on “Soft skill Development” , January – March , 2023, 8 weeks program.

V.Aruna Assoc. Prof. of English has participated in IP Awareness/ Training Programme under “National Level Intellectual Property Awareness Mission (NIPAM)”, on 10th March 2023, organised by intellectual property office , India.

V.Aruna Assoc. Prof. of English successfully completed NPTEL course on “Soft skill Development” , January – March , 2023, 8 weeks program.

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Mr.G.R.K.Murthy Asst. Prof. of English participated in IP Awareness/ Training Programme under “National Level Intellectual Property Awareness Mission (NIPAM)”, on 10th March 2023, organised by intellectual property office , India.

Mr.G.R.K.Murthy Asst. Prof. of English successfully completed NPTEL course on “Soft skill Development” , January – March , 2023, 8 weeks program.

Mr. S. Riyaz Basha Asst.Prof. of English has participated in IP Awareness/ Training Programme under “National Level Intellectual Property Awareness Mission (NIPAM)”, on 10th March 2023, organised by intellectual property office , India.

Mr. S. Riyaz Basha Asst.Prof. of English participated in a one -day FIP on “Mobile Assisted English Language learning and teaching”, organised by British council at ELCS LAB @Lendi ,Lendi Institute of engineering and technology ,Vizag on 31st Jan 2023.

Mr. S. Riyaz Basha Asst.Prof. of English successfully completed NPTEL course on “soft skill Development” , January – March , 2023, 8 weeks program.

Mr. A. Venugopal, Asst. Prof. of English participated in IP Awareness/ Training Programme under “National Level Intellectual Property Awareness Mission (NIPAM)”, on 10th March 2023, organised by intellectual property office , India.

Mr. A. Venugopal, Asst. Prof. of English successfully completed NPTEL course on “soft skill Development” , January – March , 2023, 8 weeks program.

Mr. Sk. Rafi ,Asst.Prof. of English has participated in IP Awareness/ Training Programme under “National Level Intellectual Property Awareness Mission (NIPAM)”, on 10th March 2023, organised by intellectual property office , India.

Mr. Sk. Rafi ,Asst.Prof. of English has participated in a one -day FIP on “Mobile Assisted English Language learning and teaching”, organised by British council at ELCS LAB @Lendi ,Lendi Institute of engineering and technology ,Vizag on 31st Jan 2023.

Mr. Z. Mohan Rao, Asst.Prof. of English successfully completed NPTEL course on “Soft skill Development”, January – March , 2023, 8 weeks program.

Mr. M. Purna Chandra Rao successfully completed NPTEL course on “soft skill Development”, January – March , 2023, 8 weeks program.

Dr. Sk. Mohiddin Shaw Prof. of Mathematic participated and presented a paper entitled “Fuzzy Graphs: A Flexible frame work for modelling ambiguous node to node relationships” in the International Conference on Advances and Applications in Mathematical Sciences Organized by the Department of Mathematics , Andhra Loyola College (A), Vijayawada, During 14th -16th March ,2023.

Dr. Sk. Mohiddin Shaw Prof. of Mathematics participated in 3 day online FDP on “Differential Equations & its Applications” organised by Division of Mathematics, school of advanced sciences Vellore institute of technology, Chennai from 3rd Feb to 5th Feb 2023.

Dr. Sk. Mohiddin Shaw Prof. of Mathematics participated and presented a paper entitled with “A Circular Role of Linear Algebra on AI and Machine Learning” in National Conference on “Advances in Mathematical Sciences and its Applications (NCAMSA -2023)” Organised by department of Mathematics , Acharya Nagarjuna University on 17th -18th March ,2023.

Dr.Mohana Ramana, Asst.Prof of Mathematics participated in a 5 day international workshop on “Applicable

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Mathematics for science and engineering – recent advances (AMSE -2023)”, organised by development of mathematics, school of Advanced Sciences, in VIT -AP University, 16th -20th, February, 2023.

Dr.Mohana Ramana, Asst.Prof of Mathematics participated in IP Awareness/ Training Programme under “National Level Intellectual Property Awareness Mission (NIPAM)”, on 10th March 2023, organised by intellectual property office, India.

Dr.Mohana Ramana, Asst.Prof of Mathematics published a research paper entitled with “Processing to pass unsteady MHD flow of a second grade fluid through a porous medium in the presence of radiation absorption exhibits diffusion thermo, hall and ion slip effects”, Advances in materials and processing technologies.

Dr.G.Dharmaiah Assoc. Prof. of mathematics participated in IP Awareness/ Training Programme under “National Level Intellectual Property Awareness Mission (NIPAM)”, on 10th March 2023, organised by intellectual property office, India.

Dr.G.Dharmaiah Assoc. Prof. of mathematics participated and presented a paper entitled with “Preference of Magnetic non-Newtonian Radiative MHD Blood Flow”, in the National conference on “Advances in Mathematical Sciences and its Applications (NCAMSA -2023)”.

Dr.G.Dharmaiah Assoc. Prof. of mathematics published a paper on perturbation methodology for electro magnetic radiative fluxing of chemical reactive caisson fluid flow under heat source effectiveness in International journal of modern physics feb-2023.

Dr.G.Dharmaiah Assoc. Prof. of mathematics published a paper on Mathematical analysis of Gold, Platinum

and Magnetite Nanoparticle shapes on unsteady radiative flow of Nano liquid along an infinite vertical flat plate in the proximity of convective boundary condition, Diffusion Foundations and Materials Applications, Vol.33,pp 3-21. ISSN:2674-029X.

Dr.CH .Maheshwari Asst.Prof of Mathematics participated in IP Awareness/ Training Programme under “National Level Intellectual Property Awareness Mission (NIPAM)”, on 10th March 2023, organised by intellectual property office, India.

Dr.CH .Maheshwari Asst.Prof of Mathematics participated in one week FDP on “Platforms & system security in cyber space”, organized by department of CSE(Data Science, cyber security and Artificial intelligence & Data Science) in collaboration with department of CSE, VNR Vignana Jyothi institute of engineering and technology from 30th Jan 2023 to 04 Feb 2023.

Dr.Ch.Maheshwari Asst.Prof of Mathematics participated in 3 day online FDP on “Differential Equations & its Applications” organised by Division of Mathematics, school of advanced sciences Vellore institute of technology, Chennai from 3rd Feb to 5th Feb 2023.

Dr. N. Ravi Babu, Asst.Prof. of Mathematics participated and presented a paper entitled “Weekly absorbing primary Idclab of SO rings”, the International Conference on Advances and applications in mathematical sciences organised by the department of Mathematics, Andhra Loyola College, Vijayawada, during 14th – 16th March, 2023.

Dr. N. Ravi Babu, Asst.Prof. of Mathematics participated in 3 day online FDP on “Differential Equations & its Applications” organised by Division of Mathematics, school of advanced sciences

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Vellore institute of technology, Chennai from 3rd Feb to 5th Feb 2023.

Ms.Sd.Roshini Bhanu , Asst.Prof. of Mathematics participated in IP Awareness/ Training Programme under “National Level Intellectual Property Awareness Mission (NIPAM)”, on 10th March 2023, organised by intellectual property office , India.

Ms.B.Swapna , Asst.Prof. of Mathematics participated in IP Awareness/ Training Programme under “National Level Intellectual Property Awareness Mission (NIPAM)”, on 10th March 2023, organised by intellectual property office , India.

Dr. J. Srinivasa Rao, Assoc.Prof. of Chemistry participated in poster presentation on “Gold Nano particle effects and applications in various fields”, at the 3rd International Conference on pure and Applied chemistry (IconPAC-2023),organised by the department of chemistry, KLEEF (Deemed to be University), Green Fields, Vaddeswaram, A.P.-522302,India, during 27th -28th January ,2023.

Dr. K. Sreenivasulu Assoc.Prof. of Chemistry participated in IP Awareness/ Training Programme under “National Level Intellectual Property Awareness Mission (NIPAM)”, on 10th March 2023, organised by intellectual property office , India.

Dr. K. Sreenivasulu Assoc. Prof. of Chemistry participated in poster presentation on “Citrus fruit peel extract medicated eco-friendly synthesis of Ag @Co bimetallic nanoparticles and study of their optical and structural characterizations”, at the 3rd International Conference on pure and Applied chemistry (Icon PAC – 2023), organised by the department of chemistry, KLEEF (Deemed to be University), Green Fields, Vaddeswaram, A.P.-522302,India, during 27th -28th January ,2023.

Dr.T.Anusha Asst. Prof .of Chemistry presented a poster presentation on “Citrus fruit peel extract medicated eco-friendly synthesis of Ag @Co bimetallic nanoparticles and study of their optical and structural characterizations”, at the 3rd International Conference on pure and Applied chemistry (Icon PAC – 2023), organised by the department of chemistry , KLEEF (Deemed to be University), Green Fields, Vaddeswaram, A.P.-522302,India, during 27th -28th January ,2023.

Dr.T.Anusha Asst. Prof .of Chemistry presented a paper entitled “Synthesis & Characterization of novel Gold nanoparticles- graphene quantum dots and its Electrochemical Sensing”, in the National Conference held on 13th &14th Feb 2023 at Andhra Loyola College, Vijayawada.

Dr.T.Anusha Asst. Prof .of Chemistry, Published a paper on “Eco – friendly green synthesis of Ag/Cu bimetallic nanoparticles: Evaluation of their structural, morphological and electrochemical characterizations” Vietnam Journal of chemistry, Vol.61,2023,pp.1-7.

Dr.T.Anusha Asst. Prof .of Chemistry, completed NPTEL Course on “ Health Research Fundamentals from Jan – March 2023.

Dr. Y. Lakshman Kumar, Asst.Prof. of Chemistry participated in IP Awareness/ Training Programme under “National Level Intellectual Property Awareness Mission (NIPAM)”, on 10th March 2023, organised by intellectual property office , India.

Dr. Y. Lakshman Kumar, Asst.Prof. of Chemistry presented a poster presentation on “Citrus fruit peel extract medicated eco-friendly synthesis of Ag @Co bimetallic nanoparticles and study of their optical and structural characterizations”, at the 3rd International Conference on pure and

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Applied chemistry (Icon PAC – 2023), organised by the department of chemistry , KLEEF (Deemed to be University), Green Fields, Vaddeswaram, A.P.-522302,India, during 27th -28th January ,2023.

Dr.PNVVL Pramila Rani, Asst.Prof of Chemistry has participated in IP Awareness/ Training Programme under “National Level Intellectual Property Awareness Mission (NIPAM)”, on 10th March 2023, organised by intellectual property office , India.

Mr.G.Naga Raju Asst.Prof. of Chemistry participated in IP Awareness/ Training Programme under “National Level Intellectual Property Awareness Mission (NIPAM)”, on 10th March 2023, organised by intellectual property office , India.

Mr.G.Naga Raju Asst.Prof. of Chemistry presented a poster presentation on “Citrus fruit peel extract medicated eco-friendly synthesis of Ag @Co bimetallic nanoparticles and study of their optical and structural characterizations”, at the 3rd International Conference on pure and Applied chemistry (Icon PAC – 2023),

organised by the department of chemistry , KLEEF (Deemed to be University), Green Fields, Vaddeswaram, A.P.-522302,India, during 27th -28th January ,2023.

Dr.K,Neeraja, Assoc.Prof. of Physics participated in IP Awareness/ Training Programme under “National Level Intellectual Property Awareness Mission (NIPAM)”, on 10th March 2023, organised by intellectual property office , India.

Dr.V.Poli Reddy, Asst.Prof. of Physics participated in IP Awareness/ Training Programme under “National Level Intellectual Property Awareness Mission (NIPAM)”, on 10th March 2023, organised by intellectual property office , India.

Dr. N. Giridhar Babu , Asst. Prof. of Physics participated in IP Awareness/ Training Programme under “National Level Intellectual Property Awareness Mission (NIPAM)”, on 10th March 2023, organised by intellectual property office , India.

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