MNR COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by A.I.C.T.E. Recognized by Govt. of Telangana. Affiliated to J.N.T.U. Hyderabad) MNR Nagar, Fasalwadi, Sangareddy-502294. Ph: 08455233333.

MECHANICAL ENGINEERING DEPARTMNET

Monthly newsletter

31–03–2022

ABOUT OUR CHAIRMEN

Sri M.N.Raju Garu, chairmen of MNR Group of Institutions, The philosophy of Sri. M.N. Raju is to shape the students into proud citizens of this great nation, laying emphasis on honing their innate skills and addressing their psychological and spiritual needs. His rich and varied experience has helped the group to evolve a unique student centric teaching approach, which transforms the students into competent future professionals and lead a successful career.

OUR VICE CHAIRMEN

Sri M.S.Ravi Varma Garu, MNR Educational Trust. "The inspirational intellect of the next generation" The young Vice Chairman of the Trust is accelerating the growth of the Institution with his great passion and actuary skill. As a mentor he has imbibed the legacy of Shri M N Raju and is working for the all-round development of MNR Educational Trust.

ABOUT OUR PRINCIPAL:

Dr. E.L.Nagesh is an eminent professor and an able administrator with over thirty years of experience in engineering academics, with proven academic and administrative skills as Principal and Professor. He has established a mark of his own, Dr. E.L. Nagesh has graduated; Post graduated and took his Doctorate degree from prestigious JNTU University, Hyderabad. Dr.E.L.Nagesh has good research track, under his guidance four Ph.D's have been awarded, has several research papers published in National and International Journals. He participated and organized seminars at various academic institutions and industries. He is a member of number of prestigious Academic, Industrial and Research Institutions and governing body member of prestigious institutions. In the tenure of his career he is known to be a committed teacher, an eminent Head of Department and a dynamic Principal.

ABOUT MECHANICAL ENGINEERING DEPARTMENT:

MNRCET Department of Mechanical Engineering has highly qualified and experienced faculty. They have published a good number of research papers in refereed International/National Journals and International/National Conferences. Faculty published papers in peer reviewed international journals.

A major effort of the department is directed towards the creation of a stimulating intellectual environment in which UG students can develop to their maximum potentials. Faculty members encourage students to participate in both fundamental and applied research. They have excellent opportunities to participate actively in the classroom and laboratories. They are provided with the foundational skills needed to understand, exploit, and enhance the mechanical behavior of advanced engineering devices and systems, and to make creative contributions at the forefront of the field. The department is encouraging the students to participate in workshops and conferences to exchange latest technologies among students.

The ME department has adopted latest teaching learning processes like e-learning, Google apps, power point presentations, seminars, industrial visits, expert Lectures from Industry and academia Personnel etc. We take special efforts to reduce the gap between Industry & Institute by arranging internships during semester breaks or summer in companies such as Nissan Ashok Leyland, BHEL, and Visakhapatnam Steel plant, NTPC, Bakelite Hylam, ONGC, Research Centre Imarat (RCI), Ordinance Factory, Sundaram Clayton Limited, Schneider Electric, Anjani Portland Cements, SAMKRG Pistons, NATCO Pharma and Aurobindo Pharma Ltd, etc. The students are presented technical papers in reputed institutes like IITS, NITS, BHU, and BITS Pilani.

ABOUT OUR HOD

About Our ME Department HOD Mrs. Jyothsn, She is having 9 years' experience in teaching from prominent colleges. She is dedicated and shares her experiences to faculty while teaching learning process. Her Goal is to provide Students with balance of intellectual and practical experiences that enable them to serve a variety of societal needs. In Our department students are nurtured to become professionals as Engineers, Executive Engineers, Project Managers, in Industry or become Entrepreneurs in their own innovative way. I am sure in times to come many Students from department will make indelible mark nationally and internationally in the field of Engineering & Technology and make us proud."

FACULTIES OF MECHANICAL ENGINEERING DEPARTMENT

N.kiran kumar working as an assistant professor in department of mechanical engineering (13-08-2016 to till date) in MNR College. He completed B.Tech in mechanical engineering from DVR College of engineering. He secured his masters in Industrial engineering from NIT engineering college NAGPUR. And Attended National & International conferences. He has a responsibility of exam branch and work as Team leader in admission of organization.

A.Anjaneyulu working as an assistant professor in department of mechanical engineering (25-nov-2019 to till date). He completed UG in mechanical engineering from PRRCET Telangana. He secured his masters in CAD/CAM engineering from RRS engineering college. He has published several paper in UGC approved journals and attended Webinar, National & International conferences. He has total 6 years of teaching experience at PG level.

A.Rajnikanth working as an assistant professor in department of mechanical engineering (1- dec-2021 to till date) in MNR College. He completed graduation in mechanical engineering from GND College of engineering BIDAR, Karnataka. He secured his masters in thermal power engineering from VTU PG center kalaburagi. He has published several paper in UGC approved journals and attended National & International conferences. He has 2 year's automobile industrial experience and 6 years of teaching experience at UG and PG level. During his career dealt with many subjects and guided the students for their project work.

Mohammed Ajmal Shakeeb working as an assistant professor in department of mechanical engineering (18-jun-2021 to till date). He completed graduation in mechanical engineering from KBN College of engineering Gulbarga, Karnataka. He secured his masters in thermal power engineering from VTU PG center kalaburagi. He has published several paper in UGC approved journals and attended National & International conferences. He has 3 year industrial experience and 1 year of teaching experience at UG level. During his career dealt with many subjects and motivated the students for their growth career.

D.Srinivas rao working as an assistant professor in department of mechanical engineering (20-dec-2021 to till date) in MNR College. He completed B.Tech in mechanical engineering from SRTIST College of engineering Nalgonda. He secured his masters in thermal engineering from sphoorty engineering college. He has published several paper in UGC approved journals and attended National & International conferences. He has 2 year's automobile industrial experience and 3 years of teaching experience at UG and PG level.

T.D.Sai kishore working as an assistant professor in department of mechanical engineering (25-oct-2021 to till date) in MNR College. He completed B.Tech in mechanical engineering from DRK College of engineering. He secured his masters in thermal engineering from CMR engineering college. He is researching on grapheme material its thermal and strength properties. And Attended National & International conferences. He has 2 years' experience in training students in JEEMAINS & IIT and 1 year of Software experience.

Nelopher shaheen working as an assistant professor in department of mechanical engineering (27-sept-2021 to till date) in MNR College. She completed B.Tech in mechanical engineering from DVR College of engineering. She secured her masters in CAD/CAM engineering from Muffakham Jah College of engineering and technology. She is researching on the literature of graphene material its thermal and strength properties and WEDM effective process parameter. And Attended National & International conferences both online and offline. She has 9 months experience in training students on their academic subjects

MEETINGS OF MECHANICAL DEPARTMENT

- Mechanical Staff Meeting Conducted On Every Week Twice at 2:30 -3:00PM.
- Mechanical Staff conducted PTA meeting for 2nd, 3rd and 4th year students on 23rd march 2022 at 1:00 - 1:30 PM via phone call
- Academic related meeting conducted for mechanical department staff on 23rd march 2022 at 12:00 – 12:30PM.
- Mechanical staff mentor meeting with principal conducted on 31st march 2022 at 2:00 pm.
- Meeting of admission campaigns conducted on 12th march 2022 at 2:00 – 2:30 pm.
- Mentor meeting with student conducted on 30th march 2022.
- Every day our staff taking responsibility towards irregular students.

ACTIVITIES

- From 14th march to 16th march for admission campaigning our faculty group went to intermediate and diploma colleges for collecting data/information of students.

- On 25th march 2022, our mechanical department staff organized easy writing on "conflicts between Russia and Ukraine".

- On 28th march 2022, our mechanical department staff organized a group discussion activity on "research publication and mini project" for third year students at 2:30 -3:00 PM.

- In the month of March 2022, our mechanical department faculty publishes their paper on “Effect of Heat Transfer Characterization in Condensation in Desalination using Solar Energy” International Journal for Research in Engineering Application & Management (IJREAM) ISSN: 2454-9150 Vol-07, Issue-12, MAR 2022.

ABSTRACT:

In this work, solar collector drying tubes (ETC) are designed to design the performance of solar collectors and dryers for drying for agricultural applications. This system can be one of the alternatives to save the cost of a traditional dryer. Drying experiments were conducted between April and June continuing in 2021. During the experiments the hot and cold air temperatures in various places, the variations of humidity and ambient humidity in the drying chamber, the wind speed and the temperature were measured during the hourly tests. Form the results the system shows that forced direct convection solar drying is designed and developed with ETC which is environmentally friendly, economical and easy to handle. Dryer performance was good with the load of cluster beans.

Key Words: Heat Transfer, Condensation, Desalination.


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Effect of Heat Transfer Characterization in Condensation in Desalination using Solar Energy

Authored By

T.D Sai Kishore Babu

has been published in **Volume 07, Issue 12, Mar 2022.**

The mentioned paper has gone through Peer Review Process & measured upto the required standard.

Editor, IJREAM


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Authored By

ARRA ANJAYULU

has been published in **Volume 07, Issue 12, Mar 2022.**

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Editor, IJREAM

- On 8th march in our college all Women Faculty Celebrated International Women’s day in Seminar Hall along with Girl Students.

MESSAGE FROM THE CO-EDITOR

Welcome to the 9th issue of our Department's Newsletter..! We are pleased to present this newsletter to you as a way of our keeping the campus community updated on the exciting new developments in our department. A "pdf" version will be shared to students, faculties. Please feel free to email your comments and any news you would like to share with fellow readers to NELOPHER SHAHEEN at nelophershaheen18@gmail.com, who is the editor for this newsletter. We hope to hear from you..!