

AMAL JYOTHI COLLEGE OF ENGINEERING



(Affiliated to APJ Abdul Kalam Technological University
Kerala, Approved By AICTE New Delhi)

DEPARTMENT OF CHEMICAL ENGINEERING



Bi-Yearly Newsletter DECEMBER 2021

ADVANCEMENTS IN SUSTAINABLE WASTE MANAGEMENT

Dr. Jerin Jose, Jayasree P K and Nikhi Maria Raju participated in the AICTE Sponsored Short

Term Course on “Advancements in Sustainable Waste Management” from June 24 – 30, 2021

conducted by School of Infrastructure, Indian Institute of Technology Bhubaneswar.

The State Level YIP-Project contest

A student project on UV Air Purifier submitted in the State Level YIP-Project contest organized by KDISC, Govt. of Kerala by Neethu Shajan, Reeja Mary Jaison and Ruben Joy of S8-B.Tech. Under the guidance of Nikhi Maria Raju got listed after the publication of the second level results.

UBA E-WORKSHOP

Prof.(Dr.)David K Daniel attended the UBA e-Workshop on Water Quantity and Quality

Conservation conducted by IIT-Kharagpur during July 28-30, 2021





ACHIEVEMENTS

ACHIEVEMENTS-STAFF

- Nikhi Maria Raju completed the foundation level of Innovation Ambassador Training by MoE's Innovation Cell and AICTE during the period 30/06/2021 to 30/07/2021.
- Dr. Vishnu M successfully completed ATAL FDP on "Recent Advances in Management and Processing of Industrial and Domestic Waste" organised by Siddaganga Institute of Technology, Tumkuru, Karnataka, during August 16-20, 2021.
- Dr. David K Daniel participated as an invited technical session speaker during the 82nd Philippines Institute of Chemical Engineers National Convention on 17-09-2021 and was recognized with the Best Presenter Award.

ACHIEVEMENTS-STUDENTS

- Reenu Sara Jacob (S4-M.Tech.) participated and completed Level 1 training under e-saksham a joint initiative of MOE, AICTE and Cyber Peace Foundation conducted on June 19, 2021
- Thomas J Kallapurakkal and Jithin Jacob (B.Tech.-S6) under the guidance of Dr. Vishnu M received special jury mention at the OFB Ideathon Innovator contest organised by Government College of Engineering Palakkad.
- Nissy Mary Santhosh of S7 ChE secured an elite grade for the NPTEL Course on Municipal Solid Waste Management.
- Ann Mary Binu of S7 CHE secured an elite-silver grade for NPTEL Course on Upstream LNG Technology.
- Riyas Muhammed , S2 B. Tech. entered the India Book of Records as The Youngest Entrepreneur in Spice industry.
- Ann Maria Johnsom of BTech batch 2017-21 got placed in Aras Medical Devices and Equipments Co. LLC, Dubai.



PAPER PUBLICATIONS AND CONFERENCE PRESENTATIONS

- Sandra Jacob (B.Tech 2020-Pass out) presented a paper on the topic “Heterogeneous Fenton Catalyst for Removal of Malachite Green” in International Conference on “Nanotechnology for Better Living ” by NIT Srinagar on September 09, 2021 and got the Best Presentation prize. The work was done by Anesa George,Emilin James,Sneha Rapheal and Sandra Jacob and guided by Nikhi Maria Raju.
- Joshin John Rajan (B.Tech 2021-Pass out) presented a paper on the topic "Degradation of Congo Red using Bentonite supported Fe-Ni Bimetallic Catalyst” in International Chemical Engineering Conference during September 17-19, 2021 by NIT Jalandhar. The work was done by Joshin John Rajan, Jude Benny, Kavya Tresa Johnson and guided by Nikhi Maria Raju.

VISION

Accomplish global recognition in the field of Chemical Engineering by generating highly efficient and committed engineers, entrepreneurs and researchers who would excel in conventional as well as emerging areas.

MISSION

- To provide high quality education and training in tune with the developments in Chemical Engineering.
- To develop entrepreneurship skills for transforming knowledge into socially relevant quality products.
- To encourage reasearch and development activities and industry institute interactions for the technical advancement of students.
- To impart awareness of professional ethics,social responsibilities and sustainable development for serving the society.



PROGRAM EDUCATIONAL OBJECTIVES.(PEO's)

Our graduates shall:

- 1.Excel as engineers or pursue higher studies in Chemical Engineering with a strong fundamental knowledge laid during undergraduate education.
- 2.practice as entrepreneurs with ethical attitude and social responsibility.
- 3.Exhibit an innovative approach for facing the current technical and environmental changes faced by the society.

PROGRAM SPECIFIC OUTCOMES.(PSO's)

Graduates of chemical engineering program shall be able to:

- 1.succesfully apply the knowledge of principles of science and engineering to identify and solve real life problems in chemical engineering and allied areas
- 2.Foster reasearch skills to develop sustainable solutions for chemical engineering problems.
- 3.Acquire essential managerial skills and ethical values to develop oneself as a true leader and a team leader.

EDITORIAL MEMBERS

- Dr.Jayasree P K
- Dijo Mathew
- Aldin Alex