



# SARANSHI



*The Institute Newsletter*

*Volume: 6 Issue: 6 Year: June 2023*

## INSTITUTE ACTIVITY

### INTERNATIONAL YOGA DAY CELEBRATION

The international yoga day was celebrated at the institute on 21<sup>st</sup> June 2023 under the aegis of G20 and NSS Cell. The objective of the event was to create awareness about the importance of yoga in maintaining good health. A large number of students and faculty members participated in the event. The event was coordinated by Mr. K. M. Rana, Nodal officer, G20 and Mr. Darshan Chaudhari, Co-ordinator, NSS.



## G20 ACTIVITIES

### QUIZ COMPETITION

Under G20, a quiz competition on topic 'Environment' was organized by Government Polytechnic, Valsad on 5<sup>th</sup> June 2023 in seminar hall of Civil Department. This quiz was carried out to make awareness to the students about the environment and sustainable development with environment protections. This quiz was done between six groups each of 10 students. The quiz competition was done in three rounds of questions and answers. The first round involved multiple choice questions on environment, the second round involved questions and answers related to pollution and the third round involved the mitigation measures to control pollution for enhancing sustainable development. In this event 60 students participated from different departments of institute. Response from the students and faculty members was very good. Finally one group of students declared as a winner group out of six groups of students.



## TREE PLANTATION

A tree plantation program was held under G20 activity on 12<sup>th</sup> June 2023. The event was supported by Mahalaxmi Mitra Mandal, an NGO working for the Green Valsad Project. Around a hundred students and fifteen faculty members participated in the event. The event was coordinated by Mr. K. M. Rana, Nodal officer, G20 and Mr. Darshan Chaudhari, Co-ordinator, NSS.



## EXPERT LECTURE

Under G20 an expert lecture on topic 'Innovation & Start Up in Science & Engineering' by Dr. Bhadresh Sudani from GEC, Valsad was organized in Government Polytechnic, Valsad by SSIP cell. This program was carried out on 30<sup>th</sup> June 2023 in seminar hall of Civil Department.

In this program discussion was done on the importance of SSIP platform, various aspects of innovation based on problems in the practical field, innovative thinking, team work and skill requirement for innovation. Students were given an idea about how they can connect with the Start Up program and were motivated for innovation and Start Up.

This program got a very good response by the students and faculty members of the institute in the presence of Principal. The program provided a complete platform to the students for prepare innovative projects during their academic period.





## **DEPARTMENT ACTIVITIES**

### **WORKSHOP**

#### **One day Technical Workshop on Non Destructive Testing**

The department of Mechanical engineering of Government Polytechnic Valsad organized a one day workshop for the fourth semester students on “NonDestructive Testing” on 22<sup>th</sup> June, 2023.

The expert Mr. Tapas Kumar Paul, Galaxy NDT Solutions, Bharuch, was heartily welcomed by Mr. H B Patel, Head of the department. It was followed by an introduction and felicitation program of an expert speaker.

The course provided an insight related to various non-destructive testing methods and their implementation in industries. The program included demonstrations and experimentations using different techniques of NDT and informative case studies as a content of the workshop.

Mr. H B Patel gave an overall idea of the workshop which included objectives of the workshop, expected outcomes, schedule of the workshop, modules covered in the workshop.

Expert speaker Mr. Tapas Kumar Paul addressed the students by valuable information on non destructive Testing, general application and career opportunities, challenges, technologies in the NDT field. He demonstrated different techniques of NDT with real-life examples and case studies. The theories of the Ultrasonic Testing Method and Die Penetrant Testing were explained in detail and hands-on training for usage of Die Penetrant Testing method, Magnetic particles testing method and Ultrasonic Testing method were given to students.

As per the feedback received from the students it was a very good learning experience. The workshop helped them in understanding the non-destructive testing methods and how to apply the concepts learned in their curriculum to do projects. Mr. H B Patel thanked the expert speaker for taking his time to come at the institute and have made NDT workshop a very special and memorable one.



## MODEL PRESENTATION

A “Model Presentation” was organized by Chemical Engineering Department on 28<sup>th</sup> June, 2023 for 2<sup>nd</sup> semester students of Chemical Engineering Department. Students prepared models that demonstrated the functioning of various size reduction equipments, Heat exchangers, Process flow sheet, etc.



## INDUSTRIAL VISIT

An Industrial visit was organized by Chemical Engineering Department, Government Polytechnic Valsad for 4th semester Students on 6th June, 2023 at Vapi Green Enviro Limite, CETP, Vapi. The industrial visit provided an insight into the functioning of Primary Effluent Treatment process, Secondary Effluent treatment processes, DCS System, Boiler section and Sludge processing section.





## EXPERT LECTURE

An expert session to teach Survey using D.G.P.S System was organized by the Civil Engineering Department on 12<sup>th</sup> June 2023. Mr. Manoj Patel who works at Actute Engineer, Survey department, Valsad, was invited for the same. Mr. Ajay K. Gamit and Mr. Kayomerze P. Billimoria, Lecturers, Civil Engineering Department co-ordinated the activity.



## **ACTIVITIES OF FACULTY MEMBERS**

### **RESEARCH ACTIVITY**



Mr. Mehul Prashant Deshpande, Lecturer-Chemical Engineering presented his research topic in International Conference of Recent Advances in Applied Sciences and Engineering “RAISE 2023” M.S. University of Baroda during April 12-13, 2023. He received Best Presentation Award in the event, also the research was published in Proceedings of International Conference RAISE 2023: Vol. II Chemical Engineering, Applied Chemistry, Textile Chemistry

International Conference date:12/04/23-13/04/23

Name of the paper: Experimental Study of KOH and NaOH as a homogeneous catalyst for biodiesel production from Madhuca Longifolia Seed Oil

Journal Title: Proceedings of International Conference RAISE 2023: Vol. II Chemical Engineering, Applied Chemistry, Textile Chemistry  
ISBN:978-81-9629638-2-9

### **TRAINING**

Faculty members from Electrical Engineering department, Mr. N S Patel, Ms. D C Patel and Ms. A D Patel undertook “Induction Phase 1” training at SVNIT Surat organised by NITTTR Bhopal during 12 – 23 June, 2023.

Smt. Rinku R Shukla, Smt. Parula D Vachhani, Shri. Harshal B Sharma and Smt. Namrata M Patel, faculty members from Electrical Engineering Department attended the ISTE CTE approved Short term Training Programme on “Application of Power Electronics in Power System” from 19 - 23 June, 2023 at Dr. S & S.S Gandhi College of Engineering & Technology, Surat.

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