



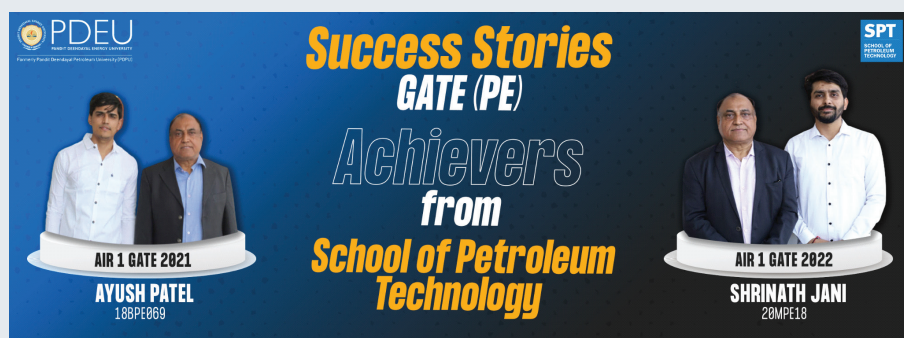
PDEU Newsletter

ISSUE 7

1st MARCH 2022

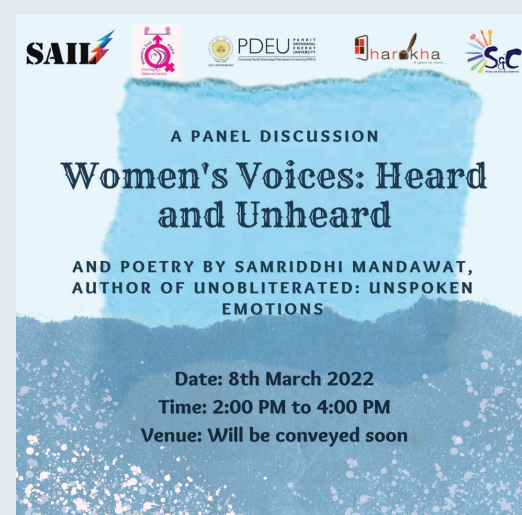
STUDENT ACHIEVEMENT : Mr. Srinath Jani, student of School of Petroleum Technology PDEU, achieved (All India Rank) AIR 1 at GATE 2022 Examination.

We Wish him best wishes and success in future endeavors.



8th MARCH 2022

International Women's Day Celebration!



5th MARCH 2022



Office of the Dean- R&D and IQAC cell organized the "2nd Faculty Research Review Symposium " wherein all Faculties of School of Technology displayed the Current Status Review of the Project by Poster Presentation along with expected outcome showcase (Research Paper or Design Patent).

15th MARCH 2022



Office of the Dean- Research and Development organized an Online Seminar on "How to file Product/ Process Patent" by Shri V PALANISWAMY - Patent Officer from the Indian Patent Office, Kolkata delivered the lecture on the topic.

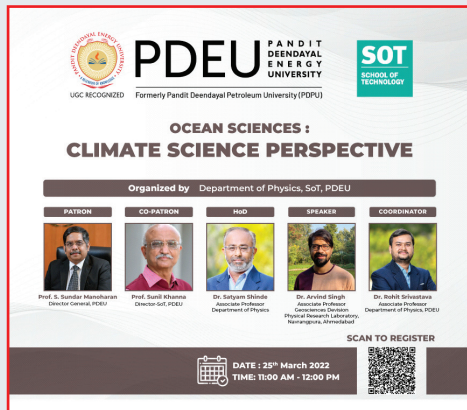
17th MARCH 2022

National Seminar on "Digital Transformation and Innovation in Construction Projects" by Dept of Civil Engineering. SoT, PDEU



25th MARCH 2022

**An invited talk on
“Ocean Sciences:
Climate Science
Perspective” by Dept.
of Physics, SoT,
PDEU**



26th TO 30th MARCH 2022

**‘One-Week Online Short-Term Training
Programme (STTP) on Solutions of Differential
Equations using Numerical Methods’ by
Department of Mathematics, SoT, PDEU**

PDEU GANDHINAGAR
Pandit Deendayal Energy University (formerly PDEU) 100-acre campus is located in Gandhinagar, which is the capital city of Gujarat. PDEU offers multiple courses ranging from engineering, science, arts, and management along with maximum exposure and opportunities to its students through various national and international exchange programs with the Best Universities worldwide. For the development of its faculties and staff, the University endeavours for various collaborative programs.



PDEU has been established by GERMI as a Private University through the State Act enacted on 4th April 2007. Since its establishment in 2007, the University has enlarged its scope by offering diversified courses in a very short period through various schools: SOT, SPT, SPM, and SLS to provide excellent academic programs in Technology, Management, Petroleum Engineering, Solar and Nuclear Energy and Liberal Education. It intends to broaden the opportunities for students and professionals to develop core subject knowledge which is duly complemented by leadership training interventions, thereby helping the students to make a mark in the global arena. This objective is being further addressed through several specialized and well-planned undergraduate, post-graduate, and doctoral programs as well as intensive research projects. PDEU has ranked 73 in University category, 68 in Engineering category, and 66 in Management category in the NIRF ranking 2021 declared by Ministry of Education, Government of India.

**One-Week Online Short-Term
Training Programme (STTP)
On
Solutions of Differential Equations
using Numerical Methods
(SDENM-2022)
(March 26-30, 2022)
Organized by**



**Department of Mathematics,
School of Technology,
Pandit Deendayal Energy University,
Gandhinagar,
Raisan-382426, Gujarat, India**

CHIEF PATRON
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PATRON
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ADVISORY COMMITTEE
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Prof. Deepanker Sharma Director, K. N. Modi Institute, India
COORDINATORS
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Contact details ☎ : +91-7874441820, +91-8887518935 ✉ : sdenm2022@gmail.com

25th TO 26th MARCH 2022

CALL FOR PAPERS

Abstract/ Poster/ Paper submission **Deadline extended till March 10, 2022**

Convenient time of about Two Months after conference (tentatively up to 31st May 2022) will be given to all registered participants to prepare and submit final paper for consideration of Journal Publication

**1st International Conference on
Advances in Water Treatment and Management
(ICAWTM-22)
March 25 – 26, 2022**

Venue: Pandit Deendayal Energy University,
Gandhinagar, Gujarat, India

www.pdeu-h2o.com

Organized by **PDEU** **PANDIT DEENDAYAL ENERGY UNIVERSITY**
Formerly Pandit Deendayal Petroleum University (PDEU)

In Association with **GUJARAT COUNCIL ON SCIENCE & TECHNOLOGY**
GOVERNMENT OF GUJARAT

PUBLICATION DETAILS

All accepted good quality papers will be published in the Materials Today: Proceedings special issue and AQUA: Water Infrastructure, Ecosystem and Society

SUBMIT ABSTRACT/ POSTER/ FULL PAPER

IMPORTANT DATES

Last date of abstract/ poster/ full paper submission: **January 10-2022 March 10, 2022**
Notification of acceptance: **February 26-2022 February 1 to March 10, 2022**
Extended registration deadline: **February 26-2022 March 10, 2022**
Conference dates: **March 25-26, 2022**

CONFERENCE REGISTRATION FEE

Indian Participants: INR 5000
Foreign Participants: USD 150
Attendees: INR 3000 for Indian/ USD 100 for Foreigner

Team ICAWM
E-mail: water@pdeu.ac.in

**: International
conference on
"Advances in
ater Treatment and
Management"
: [https://ww-
w.pdeu-h2o.com](https://www.pdeu-h2o.com).**

Received about 200 papers from a variety of authors from abroad and almost from all states of India including most of IITs and NIITs.

SCHOOL OF TECHNOLOGY
The school emphasizes sound theoretical and practical knowledge of the chosen engineering discipline along with a broad overview of other disciplines. It is expected that engineering graduates from the School of Technology will care about issues that technology can make difference whether these issues are of health, security, economic well-being, or sustainability of world and values. The pedagogy involves industrial orientation, industry internships, civic and social internships, international exposure, workshops, and presentations, all geared to give the right learning ecosystem for industry-ready talent. SOT offers 4 years B. Tech., 2 years M. Tech., 2 years M.Sc., 4 years B.Sc. (Hons.), and Doctoral programs in various branches of engineering and sciences.

DEPARTMENT OF MATHEMATICS
The Department of Mathematics was established in the year 2011. The major research thrust areas are Continuum Mechanics, Non-Newtonian fluid flows, Boundary Element Method, Dual BEM, Wave Hydrodynamics, Coastal Engineering, Computational Fluid Dynamics, Computational Neuroscience, Computational Seismology, Software Reliability, Theory of Relativity, Oceanography, Optimization, etc. The Department also offers B.Sc. (Hons.), M.Sc. and Ph.D. programs to deserving candidates. The Department has fourteen doctoral faculty members.

COURSE OBJECTIVES
Differential equations have wide range of applications in engineering sciences. The mathematical modelling of physical problems arising in engineering sciences using various physical laws (such as conservation of mass, momentum, and energy, Newton's law of cooling, Kirchhoff's law etc.) boils down to differential equations. The differential equations which we can exactly solve are very limited. The large class of differential equations have to be solved using numerical

methods. A variety of numerical methods such as finite difference methods (FDM), finite element methods (FEM), finite volume methods (FVM), and boundary element methods (BEM) are available in the literature. Every methods have their own merits and demerits. Depending on the context, we apply particular methods to solve differential equations. In this online STTP, major focus will be on explaining mathematical concepts with theory and solving differential equations along with the applications.

COURSE CONTENT

- Finite Difference Method (FDM)
- Finite Element Method (FEM)
- Finite Volume Method (FVM)
- Boundary Element Method (BEM)

WHO CAN ATTEND?
Final year undergraduate students, Postgraduate students, Research scholars, Faculty members, and Industry professionals from science and engineering backgrounds are eligible to attend the course.

RESOURCE PERSONS

- Prof. T.P. Singh, PDEU
- Prof. R.C. Mittal, JIIT Noida
- Dr. Bhairav Thakkar, Imagine Communications, Canada
- Dr. Brajesh Jha, PDEU
- Dr. Abhishek K Singh, VIT Chennai
- Dr. Anirudh Kulkarni, PDEU
- Dr. C. S. Nishad, PDEU

Registration Details#	
Delegates from Educational Institutions/Industry Personals	Rs. 1180/-
UG/ PG/ PhD students/ PDEU Alumni	Rs. 590/-
PDEU Students & Faculty	NIL

#Registration link: <https://forms.gle/dqc2r2NoSDBU8puy6>

#The non-refundable registration fee includes participation in the STTP and certificate of participation for successful candidates.

Registration fee is to be paid in advance through online in the account of Forum For Interdisciplinary Mathematics (FIAM).

Beneficiary Name: Forum For Interdisciplinary Mathematics
A/C No.: 1512503485
Bank Name: Kotak Mahindra Bank
Location: Ghaziabad, Uttar Pradesh, India
Type of Account: SAVINGS BANK ACCOUNT
IFSC: KKBK0000677

Please write the short name SDENM 2022 in remarks during online payment.

The last date of registration is 23rd March 2022

STTP will be conducted online through



25th TO 27th MARCH 2022

**Tesseract 7.0 - The
Annual Science &
Technical Fest,**
a 3-day event, With the theme of 'A Prescience of the Future', this fest created an atmosphere of learning and curiosity about technological advancements in 2040.

