



DTE Code : **EN6315**



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○ Permanent Affiliation by Dr. Babasaheb Ambedkar Technological University, Raigad  
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## Department of Basic Sciences and Humanities

A.Y 2020-2021

### Faculty Achievement

Sr. No	Year	Name of the Faculty	Event Name	Title	Journal/college/university Name	Date
1	2020-21	Dr.V.A. Patil	Publication	Nanostructured CdO-ZnO composite thin films for sensing application	Materials Science: Materials in Electronics2020	18-06-20
2	2020-21	Dr. S.S. Potdar	Publication	1. Active cooling system for efficiency improvement 2. Nanostructured CdO-ZnO composite thin films for sensing application	Materials Science: Materials in Electronics2020	18-06-20
3	2020-21	Dr.V.A. Patil	Conferences	1. Advanced Functional Nanomaterials and Their Device Applications 2. Chemisty Research and Competencies 3. Applications of Quantum Chemistry	Krishna Mahavidyakaya, Rethare BK, Satara. Yeshwantrao Chavan College of Science , Karad .	10-Aug-2020 17- Aug- 2020 3- May -2020
4	2020-21	Dr. S.S. Potdar	Conferences	1. Cutting edge smart materials and nanotechnoligy ICCESMN 2. Advance nanomaterials for energy and environmental Applications	SGM college , Karad . Alagppa university India and Brune, University Lodon	21-Aug-2020 16 to 18 - Spet 2020
5	2020-21	Nasrin G. Khan	Conferences	Trends in Mathematics	Shri Pancham Khemraj Mahavidyala, Sawamtwadi.	27-Aug-21
6	2020-21	A.A. Kulkarni	Conferences	1. New Horizons in the Pharma 2. Synthesis , Characteruzation and Application of Emerging materials with Special Reference to Sistainable Technoligies. 3. Recent Advances in Chemical Science	Shri Parle Kelavani Mandal's Institute of Pharmacy, Dhule . Jabalapur Engineering Colloge , Jabalapur. Krishna Mahavidyakaya, Rethare BK, Satara.	29-Aug-20

7	2020-21	Na.G.Khan	Webinar	Fractional Calculus & Dynamical system	Jaysingpur college ,jaysingpur	12th Sep 2020
8	2020-21	Na.G.Khan	Seminar	Role of mathematics in engineerig	Manipal university,jaipur	15th oct2020
9	2020-21	Na.G.Khan	National seminar	The role of mathematics & computer science in artificial intelligence and machine learning	Krishana mahavidyalaya	31st Aug 2020
10	2020-21	Na.G.Khan	Webinar	Optimization of green supply chain management	Amrutvahini colege of engineering	1st october 2021
11	2020-21	Na.G.Khan	FDP	Outcome based effective teaching and learning in engineering education	SKN sinhgad collegeof engineering	18th June 2021
12	2020-21	Na.G.Khan	National Workshop	NET/SET in Mathematical Science	Karmveer Bhaurao patil college	1st march- 2nd march 2021
13	2020-21	Na.G.Khan	workshop	Engineering Mathematics	Pallai HOC college of engineering & technology	21st march 2021
14	2020-21	Na.G.Khan	Workshop	Innovative teaching learning method	Pratishtan kamalnayan bajaj institute of engineerig	22 April 2021- 28 April 2021
15	2020-21	Na.G.Khan	online quiz	International yoga day	nanasaheb mahadik college of engineerig	21-06-21
16	2020-21	Ms.Khan Nilofer G.	FDP	Role of NEP in National Development	KARMYOGI ENGINEERING COLLEGE ,PANDHARPUR	30th MARCH 2021
17	2020-21	Ms.Khan Nilofer G.	Short Term Training Program	Applications of Mathematical Sciences	K.D.K. College of Engineering,NAGPUR	13th to 18th July 2020.
18	2020-21	Ms.Khan Nilofer G.	FDP	Use of LMS , Virtual Teaching,OBE in Engineering Colleges	VM EDU LIFE SOFTWARE SERVICES	13th August 2020
19	2020-21	Ms.Khan Nilofer G.	webinar	Computational Fluid Dynamics	Sanjivani College of Engineering, Kopargaon	10th June 2020.
20	2020-21	Ms.Khan Nilofer G.	webinar	Climate crisis and its effect on biodiversity	DKTE, Ichalkaranji	5th June, 2020
21	2020-21	Ms.Khan Nilofer G.	WORKSHOP	NET/SET in Mathematical Sciences	KARMAVEER BHAURAO PATIL COLLEGE, VASHI	1st to 2nd March 2021
22	2020-21	Ms.Khan Nilofer G.	WORKSHOP	DIGITAL TRANSFORMATION & PEDAGOGIES	Government College of Engineering, Karad (Satara) MS & Walchand College of Engineering, Sangli, MS	August 10-14, 2020
23	2020-21	Ms.Khan Nilofer G.	webinar	Padagogy for Online Teaching	NANASAHEB MAHADIK COLLEGE OF ENGINEERING ,PETH	29th june 2020



## Fluorescence resonance energy transfer from pyrene nanoparticles to riboflavin: Spectroscopic insights and analytical application

Dhanshri V. Patil<sup>a\*</sup> & Vishal S. Patil<sup>b</sup>

<sup>a</sup>Department of Chemistry, Krishna Mahavidyalaya, Rethiare, Bk-415 108, Maharashtra India

<sup>b</sup>Department of Chemistry, Sanjeevan Engineering & Technology Institute, Panhala-416 201, Maharashtra India

\*E-mail: dtp.phy@gmail.com

Received 28 November 2019; revised and accepted 25 April 2020

The aqueous suspension of fluorescent pyrene nanoparticles (PyNPs) have been prepared by a reprecipitation method in the presence of sodium dodecyl sulphate (SDS) as a stabilizer. The PyNPs shows bathochromically shifted aggregation induced enhanced emission in the spectral region 400 nm to 600 nm peaking at 466 nm where Riboflavin (RF) absorbs strongly. The systematic fluorescence resonance energy transfer (FRET) experiments performed by measuring fluorescence quenching of PyNPs with successive addition of RF analyte has exploited the use of PyNPs as nano probe for detection of RF in aqueous solution with lower limit of detection  $10.163 \times 10^{-5} \text{ mol.L}^{-1}$ . The fluorescence of PyNPs is quenched by RF and quenching is in accordance with the Stern-Volmer relation. The distance  $r$  between the donor (PyNPs) and acceptor (RF) molecules has been obtained according to the FRET method. The evaluation of photo kinetic and thermodynamic parameters such as quenching rate constant ( $k_q$ ), enthalpy change ( $\Delta H$ ), Gibbs free energy change ( $\Delta G$ ) and entropy change ( $\Delta S$ ) are calculated by quenching results obtained at different constant temperatures. The proposed FRET method based on fluorescence quenching of PyNPs is used further to develop an analytical relation for estimation of RF from pharmaceutical samples available commercially in the market.

**Keywords** Fluorescent pyrene nanoparticles, Riboflavin, Fluorescence resonance energy transfer

Riboflavin (7, 8-dimethyl-10-ribityl-isoalloxazine) also known as vitamin B<sub>2</sub> is a yellow fluorescent dye, unique among the water soluble vitamins and present in a wide variety of foods. It was firstly isolated from milk and given the name lactochrome. It can be crystallized as orange-yellow crystals<sup>1,2</sup>. This vitamin is an essential component of two major coenzymes flavin adenine mononucleotide (FMN, also known as riboflavin-5'-phosphate), and flavin adenine dinucleotide (FAD). These coenzymes play major roles in energy production, cell function, growth, and development, and metabolism of fats, drugs, and steroids<sup>3-5</sup>. Various modern investigations strongly recommend that RF has tremendous potential to be used in improving the chemotherapeutic potential of major anticancer drugs<sup>6</sup>. It is very stable during thermal processing, storage and food preparation. It cannot be synthesized in the human body; therefore it must be obtained from dietary sources such as liver, cheese, milk, meat, eggs, wheat and tea. Thus, consumption of vitamin B<sub>2</sub> deficient food can result in health problem. RF and related compounds are necessary for cell growth and development. On the

other hand, its concentration in blood must be controlled while most of it is excreted through urine.<sup>7-9</sup> The absorption spectrum of RF shows two bands peaking at 372 nm and 445 nm and is known for its characteristic fluorescence<sup>10</sup>.

Fluorescence resonance energy transfer (FRET) is a non-radiative process whereby an excited state donor (D) transfers energy to a ground state acceptor (A). The donor and acceptor molecules are coupled by a dipole-dipole interaction. There is no intermediate photon in FRET, and it mainly occurs over distances comparable to most biological macromolecules, i.e., about 10–100 Å<sup>2,11-12</sup>. Organic probes based on fluorescence quenching approach are widely used for detection and sensing of molecules of physicochemical, biological and environmental concern<sup>13-14</sup>. Perylene, anthracene and pyrene are the most extensively used probes in micellar medium because of their high fluorescence quantum efficiency to sense biomolecules<sup>15</sup>, pharmaceutical samples<sup>16</sup>, dyes<sup>17</sup>, and metal ions<sup>18</sup>. On the other hand, the use of aggregation-induced enhanced emission of nanoparticle suspension is of current research interest<sup>19,20</sup>. The technique of analysis



# Nanostructured CdO–ZnO composite thin films for gas sensing application

Sachin Sharma<sup>1</sup>, S. S. Potdar<sup>2,\*</sup>, K. S. Pakhare<sup>3</sup>, U. M. Patil<sup>4</sup>, V. S. Patil<sup>5</sup>, and Naik<sup>6</sup>

<sup>1</sup>Department of Physics, Shri Mata Vaishno Devi University, Kakryal, Katra, J&K 182320, India

<sup>2</sup>Department of Physics, Sanjeevan Engineering and Technology Institute, Panhala, Kolhapur, MS 416201, India

<sup>3</sup>Department of Chemistry, Anandibai Raorane Arts, Commers and Science College, Dist-Sindhudurg, Vaibhavwadi, MS 416810, India

<sup>4</sup>Department for Interdisciplinary Research Studies, D.Y. Patil University, Kolhapur 416006, India

<sup>5</sup>Department of Chemistry, Sanjeevan Engineering and Technology Institute, Panhala, Kolhapur, MS 416201, India

<sup>6</sup>Kasturba Walchanch College of Arts, Commerce and Sciences, Sangli, MS 416416, India

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Accepted: 1 October 2020

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## ABSTRACT

CdO–ZnO nanocomposites were synthesized by the facile SILAR method. In synthesis, 0.1 M Cd (NO<sub>3</sub>)<sub>2</sub> and 0.1 M Zn (NO<sub>3</sub>)<sub>2</sub> were used as sources of Cadmium and Zinc ions, respectively. The supersaturated solutions of Cd and Zn ions served as a cationic bath while 0.075 M NaOH as an anionic bath. To synthesize composite samples, the number of dipping is varied as 1:1, 1:2, and 1:3 concerning (CdO–ZnO). The XRD patterns of composite samples exhibit distinct peaks of ZnO and CdO, which clearly indicates the formation of CdO–ZnO nanocomposites in thin film form. The FE-SEM shows interlocked sheets with thickness varies from ~ 30 nm to 300 nm for composites. EDAX mapping and XPS study, confirms that the obtained nanocomposite is actually composed of CdO and ZnO. The gas sensing behavior of CdO–ZnO is systematically investigated for 4 test gases under different operating temperatures and different gas concentrations. The maximum response of 52.04% is obtained for 24 ppm of Ethanol at a minimum operating temperature of 325 °C.

## Introduction

Recently, a great deal of research is concentrated on development of gas sensors for monitoring and detection of toxic gases. Numerous materials have been investigated for gas sensor applications. The development of fast and sensitive gas sensors with

small cross-sensitivity is the subject of intense research in the field of nanoscience and nanotechnology. However, developments in nanotechnology create a window for the synthesis of unique classes of nanostructured materials with enhanced gas sensing properties. The metal oxide semiconductors are attracted significant interest in the industrial and

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Springer



Alagappa University & Brunel University Jointly Organize  
 Indo-UK International Virtual Conference on  
 Advanced Nanomaterials for Energy and Environmental Applications (ICANEE-2020)



## CERTIFICATE OF PRESENTATION

This is to certify that **Dr. VISHAL ARUN PATIL, Assistant Professor , Sanjeevan Engineering and Technology Institute Panhala** has Participated and Presented a Paper in the **Indo - UK International Virtual Conference on Advanced Nanomaterials for Energy and Environmental Applications. (ICANEE-2020)** jointly organized by the Department of Nanoscience & Technology, Alagappa University, India and Brunel University, London (UK) during 16<sup>th</sup> - 18<sup>th</sup> September 2020.

Title of Presentation : e-Oral / e-Poster:

*e. Ramalingam*  
**Dr. G. Ramalingam**  
 Convener & Organizing Secretary  
 Alagappa University, India

*G. Ravi*  
**Prof. G. Ravi**  
 Convener & SPARC Coordinator  
 Alagappa University, India

*A. Ivanov*  
**Prof. Atanas Ivanov**  
 Convener  
 Brunel University London

*H. Gurumallesh Prabu*  
**Prof. H. Gurumallesh Prabu**  
 Registrar  
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S.Z.S.P. Mandal's

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DIST: SINDHUDURG; M.S. (INDIA)

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Best College Awarded by University of Mumbai

**CERTIFICATE**

NO. 441

This is to certify that Mr./Miss./Dr. Vishal Patil from Sanjeevan Engineering and Technology Institute, Panhala actively participated in **One Day Online National Conference on 'Applications of Quantum Chemistry'** jointly organized by IQAC and Department of Chemistry, Shri Pancham Khemraj Mahavidyalaya, Sawantwadi on 03<sup>rd</sup> May 2020.

Prof. D. D. GODKAR  
Coordinator

Prof. B. N. HIRAMANI  
IQAC Coordinator

Dr. D. L. BHARMAL  
Principal and Convenor



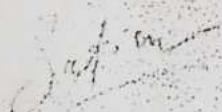


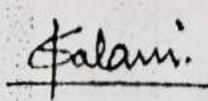
Shetkari Shikshan Prasarak Mandal's  
**Krishna Mahavidyalaya, Rethare Bk**  
Shivnagar-415 108, Tal: Karad, Dist: Satara  
(NAAC Accredited 'B+' with CGPA: 2.65)


One Day International E-Conference  
on  
“Advanced functional Nanomaterials and Their Device  
Applications”

**E-Certificate**

This is to certify that, Dr. Vishal Arun Patil of Sanjeevan Engineering and Technology Institute, Panhala has successfully participated in one day International E-Conference on “Advanced Functional Nanomaterials and Their Device Applications” organized by Department of Physics and IQAC on 10th August, 2020.

  
Dr. Satish Mahadik  
Organizing Secretary

  
Dhanaji S. Dalavi  
Convenor

  
Dr. Chandrakant B. Salunkhe  
Principal

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Maharana Pratapsinh Shikshan Sanstha, Mumbai's  
Anandibai Raorane Arts, Commerce and Science College,  
Vaibhavwadi, Dist. Sindhudurg – 416810



Research Committee, IPR Cell and Avishkar Cell  
In Collaboration with IQAC

Organized

National Webinar on

“How to Write Research Proposal in Various Research Funding Agencies”

## CERTIFICATE

This is to certify that *Dr. Vishal A. Patil* of *Department of Basic Sciences and Humanities Department, Sanjeevan Engineering and Technology Institute, Panhala, Maharashtra* has actively participated in One Day National Webinar on “How to Write Research Proposal in Various Funding Agencies” on 12<sup>th</sup> January, 2021.

Dr. D. B. Shirgaonkar  
Coordinator

Mr. D. M. Sirsat  
IQAC Coordinator

Dr. C. S. Kakade  
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Shetkari Shikshan Prasarak Mandal's  
**Krishna Mahavidyalaya, Rethare Bk.**

Shivnagar-415108, Tal: Karad, Dist: Satara  
(NAAC Accredited 'B+' Grade with CGPA: 2.65)



One Day National e-Seminar

on

"Recent Advances in Chemical Sciences"

## E-Certificate

This is to certify that, Dr. Vishal Arun Patil of Sanjeevan Engineering & Technology Institute, Panhala has successfully participated in One Day National e-Seminar on "*Recent Advances in Chemical Sciences*" organized by Department of Chemistry and IQAC of Krishna Mahavidyalaya, Rethare Bk. held on 29<sup>th</sup> August 2020.

Miss. V. L. Kamble  
Organizing Secretary

Mr. C. Y. Chavan  
Convener

Dr. D. S. Dalavi  
IQAC Co-ordinator

Dr. C. B. Salunkhe  
Principal

Certificate ID: BBGE3S-CE000131

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Accredited 'A+' Grade with C.G.P.A 3.63 by NAAC, ISO 9001:2015 Certified College

RUSA Beneficiary and NAAC Designated Mentor College



# CERTIFICATE

Department of Physics in Collaboration with IQAC organized

**INTERNATIONAL E-CONFERENCE**

ON

**CUTTING EDGE SMART MATERIALS & NANOTECHNOLOGY  
(ICCESMN-2020)**

This is to certify that,

*Dr. Sachin Sitaram Potdar*

of Sanjeevan Engineering and technology institute Panhala has actively participated in two days International E-Conference on Cutting Edge Smart Materials & Nanotechnology held on 20<sup>th</sup> - 21<sup>st</sup> August 2020.

Dr. I. A. Dhole  
Coordinator

Dr. N. S. Harale  
Organizing Secretary

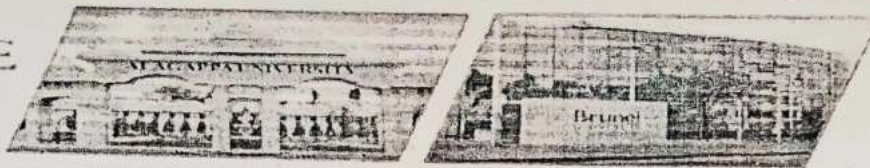
Dr. J. B. Thorat  
H.O.D. & Convener

Dr. G. B. Kalyanshetti  
IQAC Coordinator

Dr. M.M. Rajmane  
Principal



ICANEE  
2020

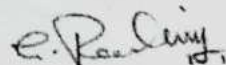


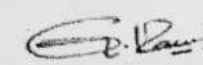
Alagappa University & Brunel University Jointly Organize  
Indo-UK International Virtual Conference on  
Advanced Nanomaterials for Energy and Environmental Applications (ICANEE-2020)




## CERTIFICATE OF PARTICIPATION

This is to certify that **Dr. SACHIN SITARAM POTDAR, Assistant Professor, Sanjeevan Engineering and Technology Institute, Panhala** has Participated in the **Indo - UK International Virtual Conference on Advanced Nanomaterials for Energy and Environmental Applications (ICANEE-2020)** jointly organized by the Department of Nanoscience & Technology, Alagappa University, India and Brunel University, London during 16<sup>th</sup> - 18<sup>th</sup> September 2020.

  
**Dr. G. Ramalingam**  
Convener & Organizing Secretary  
Alagappa University, India

  
**Prof. G. Ravi**  
Convener & SPARC Coordinator  
Alagappa University, India

  
**Prof. Atanas Ivanov**  
Convener  
Brunel University London

  
**Prof. H. Gurumallesh Prabu**  
Registrar  
Alagappa University, India




S. Z. S. P Mandal's,

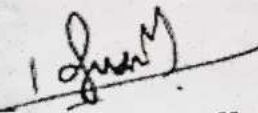
**Shri Pancham Khemraj Mahavidyalaya, Sawantwadi**

Best College Award (in Rural Area) conferred by University of Mumbai  
(NAAC 'A' Grade 3<sup>rd</sup> Cycle CGPA -3.06)

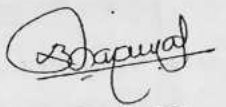
## **CERTIFICATE**

*This is to Certify that Mr./Mrs./Miss./Dr. Nasrin Gulabsab Khan from Sanjeevan Engineering College And Technology Institute ,Panhala actively participated in one day Online National Conference on "RECENT TRENDS IN MATHEMATICS" organized by IQAC & Department of Mathematics, Shri Pancham Khemraj Mahavidyalaya, Sawantwadi on 27 August, 2021.*

  
**Miss. R. D. Bandekar**  
Organizing Secretary

  
**Mr. V. P. Sonalkar**  
HoD & Convener

  
**Dr. B. N. Hiramani**  
IQAC Coordinator

  
**Prin. Dr. D. L. Bharmal**  
Conference President



Chairman  
Prof. N. H. Shah

H. M. Woo

Chairman  
Prof. Ravi Gor

Ravi Gor

S. P.  
Sarmah

Digital International Conference  
on  
Inventory Modeling 2020

This is to certify that

Mrs. Ankita Abhijit Kulkarni, Sanjeevan Engineering and Technology Institute, Panahala  
has participated

in the Digital International Conference on Inventory Modeling 2020  
held on August 22 – 23, 2020.

  
Prof. Nita H. Shah  
Convener

Department of Mathematics  
(DST-FIST Supported)  
Gujarat University, Ahmedabad – 380009,  
INDIA

  
Dr. Ravi Gor  
Co-Convener



International conference



**AMRUTVAHINI SHETI & SHIKSHAN VIKAS SANSTHA'S**  
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(Approved by AICTE, Permanently Affiliated to Savitribaiphule Pune University)  
(NBA Accredited ,NAAC 'A' Grade, ISO 9001: 2015 Certified)



# CERTIFICATE

of Participation

## Nasrin Gulabsab Khan

has actively participated in the webinar on **“Optimization of Green Supply Chain Management”**, organized by Department of Engineering Sciences, Amrutvahini College of Engineering, Sangamner on 01/10/2021

Dr. P. Patro / Prof. A. R. Tambe  
Coordinator

Prof. V. P. Waghe  
HOD

Dr. M. A. Venkatesh  
PRINCIPAL

**H2YC60-CE000229**

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**MANIPAL UNIVERSITY  
JAIPUR**



***E - Certificate of Participation***

***awarded to***

**Nasrin Gulsabsab khan**

**of**

**Sanjeevan Engineering And Technology Institute Panhala**

**for attending the online seminar**

**“Role of Mathematics in Engineering, Science and Technology”**

**On October 15, 2020**

**Organized by**

**Department of Mathematics and Statistics,**

**Manipal University Jaipur, India**

**Dr. Ruchika Mehta  
(Convener)**

**Dr. Alok Bhargava  
(Convener)**

**Dr. Garima Agarwal  
(Convener)**

**Dr. Kalpna Sharma  
(Head, Department of Mathematics & Statistics)**

**Dr. Lalita Ledwani  
(Director, School of Basic Sciences)**

**Dr. Anoop Kumar Mukhopadhyay  
(Dean, School of Basic Sciences)**



*Anekaant Education society's*

## Jaysingpur College, Jaysingpur

Affiliated to Shivaji university, Kolhapur (416101)  
Maharashtra

Accredited 'A' grade by NAAC ::: DST-FIST (level-1)

Organized

by

Department of  
Mathematics,  
Statistics and IQAC

C. No.- JCJM 415

# National Webinar on Fractional Calculus and Dynamical Systems

CERTIFICATE

This is to certify that, Prof./Dr/ **Nasrin Gulbsab khan** of Sanjeevan Engineering And Technology Institute Panhala has participated in National Webinar on Fractional Calculus and Dynamical Systems jointly organized by IQAC, Department of Mathematics & Statistics of Jaysingpur College Jaysingpur (Maharashtra) on Saturday, 12<sup>th</sup> September 2020.

Dr. J. B. Patade  
Convener

Mr. R. D. Shinde  
Co-convener

Dr. S. R. Sabale  
IQAC Coordinator

Dr. R. R. Kumbhar  
Principal



# SKN SINHGAD COLLEGE OF ENGINEERING, PANDHARPUR



(Approved by AICTE, New Delhi, Recognized by D.T.E. (M.S) & Affiliated to the PAH Solapur University, Solapur)

SPSPM  
॥ ज्ञान दान पवित्र दान ॥

## CERTIFICATE



This is to certify that **Nasrin Gulabsab khan**

From **Sanjeevan Engineering And Technology Institute Panhala**

has participated in the National level Online One Week FDP on “**Outcome based Pedagogy for Effective Teaching and Learning in Engineering Education**” organized by **SKN Sinhgad College of Engineering, Pandharpur**, during the period 14<sup>th</sup> June to 18<sup>th</sup> June 2021.



Prof.B.S.Admile

(Coordinator)

Dr.B.S.Gandhare

(Head, PG Programs & Coordinator)

Dr.S.S.Kulkarni

(Head of Mechanical Engg. Dept.)

Dr.S.G.Kulkarni

(Vice Principal)

Dr.K.J.Karande

(Principal & Director)



RAYAT SHIKSHAN SANSTHA'S  
**KARMAVEER BHAURAO PATIL COLLEGE, VASHI (Autonomous)**

Accredited by NAAC at 'A+' Grade with CGPA 3.53 & ISO 9001:2015 certified institute

**DEPARTMENT OF MATHEMATICS**

**Presents**

**Certificate of Participation**

To Ms. Nasrin Gulabsab Khan from Sanjeevan Engineering And Technology Institute  
Panhala for his/her active and invaluable participation during the conduct of a two days  
**National workshop on 'NET/SET in Mathematical Sciences'** Under the aegis of RUSA on 1<sup>st</sup>  
March & 2<sup>nd</sup> March 2021.

Mr. N. B. Nalawade  
Convener

Dr. G. A. Dhanorkar  
Coordinator & HOD

Dr. Shubhada Nayak  
I/C Principal





Mahatma Education Society's  
Pillai HOC College of Engineering and Technology, Rasayani  
NAAC Accredited with 'A' Grade



# CERTIFICATE

OF PARTICIPATION



This Certificate is presented to

**Nasrin Gulabsab khan**

from

**Sanjeevan Engineering And Technology Institute Panhala**

has attended a "Workshop on Engineering Mathematics-III". The workshop was in collaboration with **EMTSI** (Engineering Mathematics Teachers Society, India) and organized by **Insure Mathematics club**, Department of Applied Sciences and Humanities on March 21, 2021.

Dr. Avinash Kamble  
Co-ordinator

Dr. Narendrakumar Dasre  
President EMTSI

Dr. Manvendra Vashishta  
HoD, ASH Dept.

Dr. Mathew T. Joseph  
Principal PHCET



Vidya Prasarak Mandal's

# Maharshi Parshuram College of Engineering, Velneshwar

NAAC accredited with 'B' Grade



## CERTIFICATE

This is to certify that **NASRIN GULABSAB KHAN** of **SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE PANHALA** has successfully completed the quiz on “**National Mathematics Day**” organized by Applied Sciences and Humanities Department, **VPM's Maharshi Parshuram College of Engineering, Velneshwar** on 22 December 2021.

A blue ink signature in cursive script.

**Mr. Rohan Gondhalekar**  
Coordinator

A blue ink signature in cursive script.

**Dr. Amitkumar Mane**  
FE Coordinator

A blue ink signature in cursive script.

**Mr. Avinash Pawar**  
I/C Principal





Shri. Venkateshwara Shikshan Sanstha's  
**Nanasaheb Mahadik College of Engineering**

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**CERTIFICATE**

**DEPARTMENT OF BASIC SCIENCE**

International  
Yoga Day  
2021  
online Quiz



This is to certify that,  
**Nasrin Gulabsab khan**  
of **Sanjeevan Engineering And Technology Institute Panhala**  
has successfully completed "International Yoga Day 2021 online Quiz",  
organized on 21<sup>st</sup> June 2021.

Prof. A. L. Chavan, Mr. C D Gawade

Faculty Coordinator

Prof. A A Jadhav

HOD Basic Science

Dr. A A Miraje

Principal, NMCOE, Peth

Prof. M B Joshi

Executive Director, SVSS, Peth



# Certificate



This is to certify that **Ms. NASRIN GULABSAB KHAN** has successfully completed the AICTE-ISTE approved Orientation/Refresher Programme on “**Innovative Teaching-Learning Methods**” held during **22.04.2021** to **28.04.2021** organized by **Vidya Pratishthan's Kamalnayan Bajaj Institute of Engineering and Technology, Baramati, Pune, Maharashtra.**

Director (FDC)  
AICTE, ND

Executive Secretary  
ISTE, ND

Program Coordinator  
VPKBIET, Pune

Principal  
VPKBIET, Pune

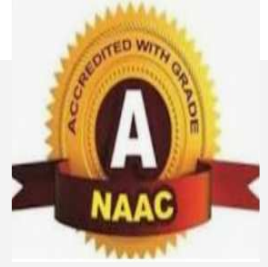




# Sanjivani Rural Education Society's Sanjivani College of Engineering, Kopergaon

(An Autonomous Institute)

Affiliated to SPPU, Pune, Approved by AICTE  
Accredited by NBA, Certified as ISO-9001:2015



ZYY5VQ-CE000130



This is to certify that, ***Ms. Nilofer gulabsab Khan*** Of *Sanjeevan engineering and technology institute panhala* has participated in a webinar ***Applications of Mathematics in Engineering and Real Life***, held on 08/06/2020, organized by ***Department of Engineering Science and Humanities***.

Mr. N.S. Abhale

Mr. S.S. Pawar.  
Coordinators

Mr. S.M. Sonawane

Dr. B.R. Shinde.  
Head of Department

Dr. D.N. Kyatanavar  
Director

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ARCHITECTS, ICHALKARANJI



BUILDERS ASSOCIATION OF  
INDIA, ICHALKARANJI CENTRE



FRIDAYS FOR FUTURE, INDIA  
INTERNATIONAL MOVEMENT

# Certificate

This is to certify that,

**Nilofer gulabsab Khan**

has participated in Webinar on

**"Climate crisis and its effect on biodiversity"**

By **Er. Nitin Doiphode** Renowned Environment Activist, Kolhapur  
On the occasion of "World Environment Day" 5th June, 2020

Mr. A. L. Mulla  
Co-ordinator

Er. P. V. Kulkarni  
Hon. Secretary  
I.E.I. Kolhapur Local Centre

Er. Sanjay Rooge  
Chairman  
Builders Association of India,  
Ichalkaranji Centre

Er. Vivek Sawant  
President  
Association of Engineers and  
Architects Ichalkaranji

Prof. (Dr.) M.B. Chougule  
Head of Department of Civil Engineering  
Chairman I.E.I. Kolhapur

Prof. (Dr.) P. V. Kadole  
Convener and Director  
D.K.T.E. Ichalkaranji.

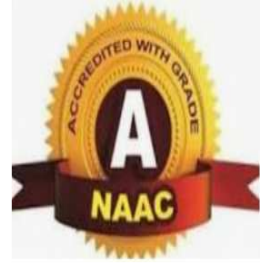




# Sanjivani Rural Education Society's Sanjivani College of Engineering, Kopergaon

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1A6XUQ-CE000084

*Certificate of Participation*

This is to certify that, ***Ms. Nilofer gulabsab Khan*** Of *Sanjeevan engineering and technology institute panhala* has participated in an International webinar ***Computational Fluid Dynamics***, held on 10/06/2020, organized by ***Department of Engineering Science and Humanities***.

Mr. H.V. Bhagwat  
Mr. S. M. Sonawane  
Coordinators

Dr. Narendra

Dr. B. R. Shinde.  
Head of Department

Dr. D.N. Kyatanavar  
Director

**Government College of Engineering, Karad (Satara) MS  
& Walchand College of Engineering, Sangli, MS**

**One Week National Level Workshop on**

**“DIGITAL TRANSFORMATION & PEDAGOGIES”**

**Sponsored by AICTE, New Delhi & TEQIP III**

**CERTIFICATE**



This is to certify that Nilofer gulabsab Khan of **Sanjeevan engineering and technology institute panhala** has attended One Week National Level Workshop on "Digital Transformation & Pedagogies" organized during August 10-14, 2020, by Government College of Engineering, Karad & Walchand College of Engineering, Sangli, Sponsored by AICTE, New Delhi & TEQIP III

**TEQIP III**

**Dr. S. P. Deshmukh**  
Convener, GCE

**Dr. B. S. Gawali**  
Convener, WCE

**Dr. K. H. Inamdar**  
HoD, MED, WCE

**Dr. V. B. Dharmadhikari**  
TEQIP Coordinator, WCE

**Dr. A. T. Pise**  
Principal, GCE







Shri Venkateshwara Shikshan Sanstha's  
**Nanasaheb Mahadik College of Engineering, Peth**

Tal : Walwa, Dist : Sangli

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**Department of Basic Science**

## CERTIFICATE OF COMPLETION

This is certify that,

.....*Nilufer G.Khan*..... of .....*SANJEEVAN ENGINEERING AND TECHNOLOGY*.....  
has succesfully attended "Pedagogy for Online Teaching ~~learning~~ *INSTITUTE* and Evaluation"  
on 29 June 2020 organized by Department of Basic Science. His/Her contribution  
to the webinar series is highly appreciated.

CERTIFICATE NO - XDJULK-CE000090

Dr. S B Mali  
Faculty Coordinator

Ms. A A Jadhav  
HOD  
Basic Sciences Dept.

Dr. V A Kulkarni  
Principal  
NMCOE Peth

Prof. M B Joshi  
Executive Director  
SVSS Peth

Shri. Rahuldada Mahadik  
Secretary

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