



II GYAN SEVA TYAG II

Shri Vyanknath Shikshan Prasarak Mandal's

# SHRI YASHWANTRAO PATIL SCIENCE COLLEGE, SOLANKUR

Taluka: Radhanagari, District: Kolhapur (Maharashtra, India), Pincode: 416212



Email: ypvmsolankur@gmail.com / ypvms.436.cf@gmail.com

Website: www.ypsc.ac.in

Affiliated to Shivaji University Kolhapur, MS, India | Accredited by NAAC with 'B' Grade (CGPA=2.14)

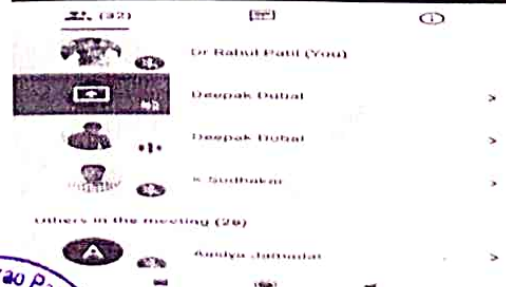
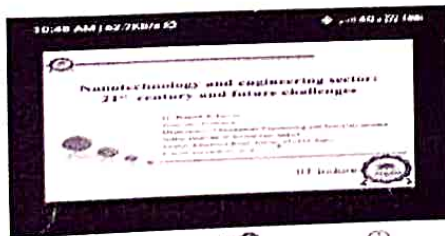
Shri. A. Y. Patil  
Secretary

Shri. R. Y. Patil  
Chairman

## Activity Report – Webinar

(Academic Year: 2021 - 22)

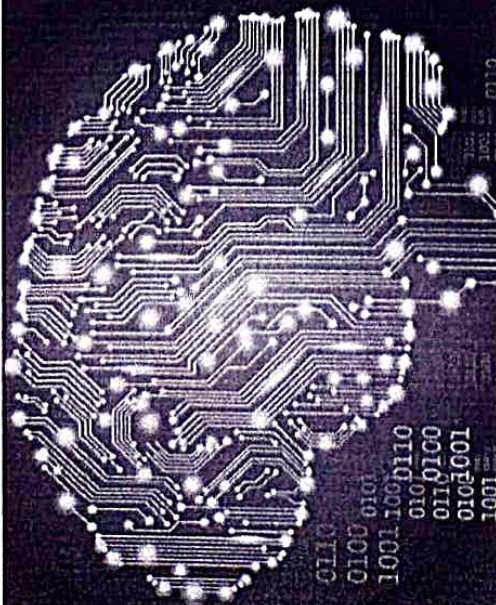
Name of the activity	-	Webinar – 4 <sup>th</sup> ICF-CEET-2021
Organized by	-	Department of Physics, YPSC Solankur
Date of Activity	-	19 <sup>th</sup> & 20 <sup>th</sup> November 2021
Time	-	10 am onwards
Venue	-	online
Total Number of participants	-	32
Name of Faculty	-	Dr RB Patil
Objective	-	e-conference
Outcome	-	recent advances in nanotechnology, worked as Editor of special issue in WOS indexed journal,



# 4<sup>th</sup> International e-Conference on Frontiers in Computer & Electronics Engineering & nano Technology

[ ICF-CEET-2021 ]

(November 19-20, 2021)



Jointly organized by :



Sanjeevan Engineering & Technology Institute, Panhala  
and  
Yashwantrao Patil Science College, Solankur

Convener  
Swarnil Vannmore  
SETI, Panhala

Co-Convenor  
Dr. Atul Kamble  
YPS, Solankur

Email: [icfet@seti.ac.in](mailto:icfet@seti.ac.in) / [icfet@ypsc.ac.in](mailto:icfet@ypsc.ac.in)

Website: [www.seti.ac.in](http://www.seti.ac.in) / [www.ypsc.ac.in](http://www.ypsc.ac.in)

## Organizing Committee

**Chairman**  
**Dr. Vanarotti MB**  
Principal  
SETI, Panhala

**Dr. Chougale GG**  
Principal  
YPS, Solankur

**Secretary**  
**Samrat Babar** / SETI, Panhala

**Organizing Secretary**  
**Dr. Rahul Patil** / YPS, Solankur

### Committee Members

**Vidya Abdulpur** / SETI, Panhala  
**Suraj Shinde** / SETI, Panhala  
**Rahul Neekar** / SETI, Panhala  
**Chetan Gaikwad** / SETI, Panhala

**Ajit Shete** / YPS, Solankur  
**Abhijit Parte** / YPS, Solankur  
**Sudip Patil** / YPS, Solankur  
**Rajendra Lohar** / YPS, Solankur

And all the students, teaching and non-teaching staff of  
SETI, Panhala and YPS, Solankur

### Keywords

Topics of interest includes, but not limited to the following...

#### Theme I:

- Power generation, transmission & distribution
- Material science & nanotechnology
- Circuits & systems
- Renewable energy sources, smart grid technologies & applications

#### Theme II:

- Data science & engineering
- Internet of things
- Deep learning
- Processing - signal, image, speech
- Computer networks & communication
- Block chain

### Call for Abstracts

We cordially invite to submit the abstracts of original work as per template provided on the website. Those interested for oral & poster presentation should follow the instructions given on the website. Five best presentations from each category will be honored.

#### Important Dates:

Last date for abstract submission : August-30, 2021  
Last date for Registration : September 15, 2021

(Sorry, NO registrations after last date)

The conference proceedings (only abstracts) will be published and e-copy will be shared.

The full length peer reviewed papers will be published in  
World of Science / Scopar Indexed Journal.

**Hon. A. Y. Patil**  
(Founder, SVSPM, Solankur)

**Hon. R. Y. Patil**  
(Chairman, SVSPM, Solankur)

**Hon. P. R. Bhosale**  
(Chairman, Hollywood Academy, Kolhapur)

**Hon. N. R. Bhosale**  
(Joint Secretary, Hollywood Academy, Kolhapur)

### About SETI, Panhala

Hollywood Academy was established in 1992 by a visionary academician Hon P. R. Bhosale to impart best quality education at Primary, Secondary, Higher-Secondary, Graduation and Post-graduation in various disciplines. Further, SETI was established in 2009 to meet the need of technology driven modern 21st century. It offers six B.Tech. courses and two PG course It is accredited by NAAC and approved by AICTE, New Delhi; recognized by DTE, Govt of Maharashtra and affiliated to Shivaji University Kolhapur and BATU, Lonere. It is located at the foot hills of historical place, fort Panhala. It has become one of the best technical campus under the futuristic leadership of Hon N. R. Bhosale.

### About YPSC, Solankur

The institute is situated at the heart of Western Ghats, one of the 18 global biodiversity hotspots. It is the only science college in tehsil. Being the mountainous rural area, to meet the barrier in higher education and to remove the inequities in access to education amongst various socials, the foundation of Sansha pillared under the competent guidance of Hon. Shri. A. Y. Patil. Shri Vyanknath Shikshan Prasarak Mandai, Solankur was established in 1996. Starting with primary, highschool, junior college of arts & science; the senior college started in the year 2009 with the mission to sensitize the students to ethical, social and cultural values to make an enlightened nation and strive for mass welfare and happiness through spread of education. The college is accredited by NAAC. It has organized several national and international conferences. The college is committed to meet the educational and societal needs of the hilly rural area which will help to build up the humane nation under the skilled leadership of Chairman Hon. R. Y. Patil.

### Mode of Payment

After acceptance of abstract, you will receive the abstract number. Then payment has to be done as per the details given on the website. Download the registration form provided on the website, fill it and then email the registration form and payment details to - [icfet@gmail.com](mailto:icfet@gmail.com)

The soft and hard copy of conference certificate will be provided.

### Registration Fee:

Authors	Registration Fees
Indian authors (working in India)	Rs. 1000 /-
Foreign authors	\$ 50 /-

# Souvenir

4<sup>th</sup> International e-Conference

on

Frontiers in

Computer & Electronics Engineering

and nanoTechnology

**[ICF-CEET-2021]**

NOVEMBER 19-20, 2021



*Jointly organized by*

**SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE,  
PANHALA**

and

**SHRI YASHWANTRAOPATIL SCIENCE COLLEGE,  
SOLANKUR**

Journal of  
**Active and Passive Electronic Devices**

Volume 16, Number 2, 2022

SPECIAL ISSUE

4th International eConference on Frontiers in Computer  
& Electronics Engineering and nanoTechnology [ICF-CEET]

GUEST EDITORS

**Rahul B. Patil**, *Shri Yashwantrao Patil Science College Solankur, Shivaji University  
Kolhapur, India* and **Sangeeta R. Chougule**, *Kolhapur Institute of Technology, India*

<b>Short Introduction to the 4th ICF CEET 2021 and Souvenir</b>	83
<b>Comparative Analysis of Linear Feedback Shift Register on Different FPGA Platforms</b> KARUNA BOGAWAR AND SHASHANK SHRIRAMWAR	85
<b>On the Advancements in DC Fast Charging Power Converters Technologies for Electric Vehicle</b> AMOL SUTAR AND MAHADEV PATIL	93
<b>Fast Charging of Batteries Utilized in Electrical Vehicles with Cuk Converter</b> BHUPALI KUMBHAR AND SAGAR PATIL	109
<b>Frequency and Pattern Reconfigurable Planar Microstrip Antenna</b> ASHIKA K. ANJANA DEVARAJAN, PM AMRITHA, ARJUN SAJI, SUMI M AND HARIKRISHNAN AI	119
<b>The Various Traction Transformers and Power Quality Improvement Using YD Traction Transformer in Electrical Railway Traction System</b> DEEPAK KUMAR GOYAL AND DINESH BIRLA	131
<b>Renewable Energy Sources Based Grid Integration: An Introspective Analysis</b> DEEPAK KUMAR GOYAL AND SUDHIR KESHARI	141
<b>Implementation of DTC-SVM (Sample Reference Phase Voltages) of Induction Motor Using Arduino UNO</b> Y. LAXMI NARASIMHA RAO AND G. RAVINDRANATH	155
<b>Design of a Bulk Driven Gain Boosting Technique Operational Amplifier for Low Power and High Swing Applications</b> SANDEEP KAKDE, RAJESH THAKARE, SHAILESH KAMBLE, MANOJ PATIL AND PAVITHA U S	165

ISSN: 1555-0281 • JAPED 16(2) 83-176 (2022)

PAPERS IN THIS JOURNAL ARE AVAILABLE  
ON-LINE BEFORE THE PRINT COPY  
[www.oldcitypublishing.com/journals/japed-home/](http://www.oldcitypublishing.com/journals/japed-home/)

