

## CHIEF PATRONS

<b>Hon. Prof. M. N. Navale</b>	President, Sinhgad Technical Education Society
<b>Hon. Dr. Sunanda M. Navale</b>	Secretary, Sinhgad Technical Education Society
<b>Hon. Mrs. Rachana Navale-Ashtekar</b>	Vice-President (Admin), Sinhgad Technical Education Society
<b>Hon. Mr. Rohit M. Navale</b>	Vice-President (HR), Sinhgad Technical Education Society
<b>Hon. Mr. Sanjay S. Navale</b>	Jt. Secretary, Savitribai Phule Shikshan Prasarak Mandal

## PATRON

<b>Hon. Prof. Mrunalini M. Fadnavis</b>	Vice-Chancellor, Punyashlok Ahilyadevi Holkar Solapur University, Solapur, India
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## CHAIRPERSON

<b>Hon. Dr. Kailash J. Karande</b>	Principal, SKN Sinhgad College of Engineering, Pandharpur.
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## CONVENER

<b>Prof. Shivaji V. Pawar</b>	Asst. Prof. Engineering Mathematics, SKNSCOE.
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<b>Prof. Anil I. Nikam</b>	Dean Student Affairs & HOD (GSE), SKNSCOE
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## CO-CONVENER

<b>Prof. Santosh V. Bagal</b>	Asst. Prof. Engineering Mathematics, SKNSCOE.
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<b>Dr. Sampat G. DESHMUKH</b>	Dean, Publications, SKNSCOE.
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## FDP COORDINATORS

<b>Prof. Yallappa S. Padavale</b>	Asst. Prof. Engineering Mathematics, SKNSCOE.
<b>Dr. Rajashree N. Badage</b>	Dean, IIC, SKNSCOE.

## ORGANIZING COMMITTEE

- **Dr. Chetan P. Pise** Dean (Admin) & HOD (Civil Engg.)
- **Dr. Sham S. Kulkarni** Dean Admin, (HOD Mech Engineering)
- **Dr. Swanand G. Kulkarni** Dean (Research and Development)
- **Dr. Altaaf O. Mulani** Dean (IQAC)
- **Prof. Sudha V. Survase** HOD (E&TC Engineering)
- **Prof. Shrinivas P. Ganjewar** HOD (Electrical Engineering)
- **Prof. Namdev M. Sawant** HOD (CS & Engineering)
- **Prof. Sameer D. Katekar** Training & Placement Officer

## WHO CAN ATTEND

Faculty members and research scholars from educational institutes all over the India.

## HOW TO REGISTER

Participants can register for FDP by filling complete information on clicking following link

<https://forms.gle/7nbWRPCL5oqBBHP67>

**Last date of Registration: 19<sup>th</sup> Nov. 2020**

For Updates, after registration join **Telegram** group by clicking following link

[https://t.me/joinchat/NlxK\\_RnbJ-2TNUQ8jdt2A](https://t.me/joinchat/NlxK_RnbJ-2TNUQ8jdt2A)

## HOW TO ATTEND FDP

FDP will be conducted on online Mode.  
Link will be shared on or before 22<sup>nd</sup> Nov. 2020 through email & Telegram Group.  
Certificate will be issued to those participants who completely attends all sessions and submit feedback of all sessions.



One week Online  
**Faculty Development Program on  
Essential Mathematics for  
Engineers and Researchers**

**23<sup>rd</sup>-27<sup>th</sup> November 2020**



Organized by  
**Department of General Science and Engineering**  
**SKN SINHGAD COLLEGE OF ENGINEERING,**  
Korti, Pandharpur, 413304, Maharashtra, India.  
website: [www.sknscoe.ac.in](http://www.sknscoe.ac.in)  
(Affiliated to Punyashlok Ahilyadevi Holkar Solapur University, Solapur; Approved by DTE, Govt. of Maharashtra and AICTE)

## Contact:

<b>Prof. Shivaji V. Pawar</b>	<b>Prof. Santosh V. Bagal</b>
Convener	Co-convener
+91 8007351279	+91 9923014652

## ABOUT INSTITUTE

SKN Sinhgad College of Engineering is housed in beautiful campus of 20 acres and developed under dynamic leadership of Hon'ble Prof. M. N. Navale. The Institute offers five B. Tech, four M. Tech. and two Ph. D degree courses in Engineering and Technology under Punyashlok Ahilyadevi Holkar Solapur University, Solapur. It also offers five various courses under PMKVY. Since its establishment, the institute has made considerable progress in the field of Engineering education and research. As a result of this, the institute is accredited with 'A' grade by NAAC. The institute ensures the overall development of students through well-defined teaching learning process and skill based activities. Students will have an exposure for experiential learning through value based Education and on campus projects. The team of faculty members of SKNSCOE are committed to prepare our students as tomorrow's leaders to match the need of fast changing world under the guidance of Dr. Kailash J. Karande, Principal, SKNSCOE. All the laboratories of each departments has modern and state-of-art equipment's with all required hardware's and software's. The fully fledged library with all required reference books, Journals, periodicals. The institute has well equipped hostel facilities, computer center, hygienic mess and canteen, dispensary, ATM, Gymnasium, etc. within the campus.

## ABOUT DEPARTMENT

Over the years, with a team of highly-qualified, dedicated and well-experienced faculty members, the department of General Science and Engineering has been pursuing excellence, not only in teaching but also in research and development in several areas of Mathematics, Physics, Chemistry and English. With well established laboratories, the department has been training the students aiming at perfect synchronization of knowledge and skills.

Furthermore, department has been set up with the following research facilities: Experimental set up for thin film deposition by chemical bath deposition (CBD), SILAR and Dip coating techniques; Muffle furnace; Ultra sonicator; Distilled water plant; Microbalance and Synthesis/experimental facilities, etc.

Pandharpur is unique holy place, known as south kashi of India and situated on the bank of Bhima river. The river Bhima is known as Chandrabhaga as it takes the shape of crescent moon near the town. Moreover, city is well known throughout India for God Vitthal. People arrives from all over the country to workship lord Vitthal. The warkaris start marching from their homes towards



Pandharpur in groups called Dindi, about 10-15 lac warkaris visited the city as pilgrims on the occasions of Aashadhi Ekadashi and Kartiki Ekadashi. All the devotees are allowed to touch the feet of the God Vitthal. Vishnupad is a small square shaped platform on the bank of Chandrabhaga. This temple houses the footprints of Lord Vitthal.

## RESOURCE PERSONS

The sessions will be conducted by the faculty members from NITs, Universities and reputed institutes. Apart from this faculty members from host institute having research in concerned field will also act as resource person for this program.

## ADVISORY COMMITTEE

- **Dr. Shailesh Shrivastava** SVNIT, Surat, Gujarat
- **Dr. Surendra Reddy** SRTMU, Nanded, Maharashtra
- **Dr. Jyoti Mashale** PAH Solapur University, Solapur, (MS)
- **Dr. Rakesh Das** SVNIT, Surat, Gujarat
- **Dr. Binimol** FISAT, Kochi, Kerala
- **Dr. B. S. Durgi** KLE Dr. MSSCET, Belgavi, Karnataka
- **Prof. C. G. Gardi** PAH Solapur University, Solapur, (MS)
- **Prof. Amol Khandagale** BAMU, Aurangabad, (MS)
- **Dr. Vinod Kharat** NBNSCOE, Solapur, Maharashtra
- **Dr. I. M. Chandarki** NBNSCOE, Solapur, Maharashtra
- **Prof. V. E. Nikam** ACS, Onde, Maharashtra

## OBJECTIVE OF FDP

- To develop research acumen among faculty members and also dissemination of the same by incorporating research based inputs in education.
- To make the participants familiar with latest Mathematical tools/techniques available for research in Engineering.
- To acquaint the participants with the use of basic Mathematical tools and optimization research techniques.
- Get basic understanding of Mathematics concepts which are useful for Engineers and Researchers.
- To understand the recent development in Mathematical Science.
- To understand the applications of mathematics in real world engineering applications of industries.
- The Programme will promote conceptual clarity of importance of Mathematical optimization techniques amongst participants.

## MAJOR TOPICS COVERED IN FDP

- Computational Methods
- Mathematical Modelling
- Regression Analysis
- Fuzzy Logic
- Computational Techniques
- Sampling Theory
- Fixed Point Theorem and its Applications
- Linear Algebra and its Applications

## OUTCOMES OF FDP

The program shall enable the participants to:

- Use the latest mathematical tools and optimization techniques in their respective streams.
- Understand the basic concepts of mathematics and its applications.
- Get basic understanding of quantitative and qualitative data analysis tools and techniques.
- Understand the role of Mathematics in Engineering field and Engineering research.