

## About SPCE, Mumbai

Sardar Patel College of Engineering (SPCE) under the management of the Bhartiya Vidya Bhavan, was founded by Kulapati Dr. K. M. Munshi. It was established to meet the growing demand for engineering talent.

The foundation stone of the college was laid on 17th September 1961 by Shri.Y.B.Chavan (the then Chief Minister of Maharashtra who later became the Defence Minister of India.)

The college was inaugurated by the first Prime Minister of Independent India, Pandit Jawaharlal Nehru in 1962. The college is dedicated to Sardar Vallabhbhai Patel, an eminent nation builder of independent India.

The college is autonomous and affiliated to the University of Mumbai for the full-time degree and post graduate degree courses. The institute has set high standards for aspiring engineering students and also meets the need of quality education in the challenging world of business.

Over the last 50 years the college has gained an excellent reputation in the field of Technical Education.

SPCE is one of the few colleges that have received Grade 'A+' rating for its aided courses from the Govt. of Maharashtra which certifies the spirit of excellence that the institute has symbolized and always practiced. Institute celebrated its golden jubilee in the year 2012.

## About REC, Rewa

Rewa Engineering College (REC), Rewa, MP, was established by the Govt. of MP in 1964. It is presently an associated college of Rajiv Gandhi Technical University Bhopal, M.P. and is approved by the AICTE. REC, Rewa offers B.E. degree courses in four disciplines namely - Civil, Mechanical, Electrical & Electronics. It also offers part time degree courses in Civil, Mechanical & Electrical Engineering. The Institute has a high speed internet facility and campus wide LAN networking with 250 nodes. The college is also privileged to have a Centre of Excellence for Microsoft Technologies, established under the CM's declaration and MOU signed between Microsoft Corporation and Rewa Engineering College, Rewa.

## Who can Attend?

The participants for the symposium can be faculty members, academicians, industry persons, research scholars or PG students.

## Areas to be covered

Additive Manufacturing, Cloud based computing, Micro-electro mechanical systems, Multi-scale micromachining processes, IoT, Artificial Intelligence, Machine Learning, Product Design and Development, Aerospace Engineering.

## Objective of Symposium

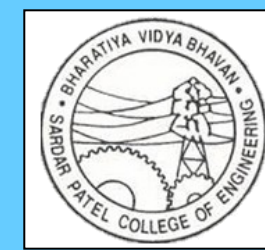
The primary objective of the symposium is to explore recent trends in engineering and technology. Further symposium also focuses on technology pertaining to industry 4.0 revolutions. The symposium aims to enrich the faculty and researchers in applying recent technology and for analyzing and finding solutions of various sophisticated science and engineering problems. The symposium will also provide a platform for academicians, researchers and industry persons to promote, share and discuss new issues and developments in engineering and aspects of Industry 4.0

## Poster Presentation

In this symposium, there is a poster presentation session where interested participants can present their research work.

## For Communication

Dr. Kiran Suresh Bhole  
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Sardar Patel College of Engineering,  
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Mumbai-400058  
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## Research Symposium 2019 Recent Trends in Engineering and Industry 4.0

6-7 May 2019

Organised by Mentor Institute

**SARDAR PATEL COLLEGE OF  
ENGINEERING (SPCE)**

Andheri, Mumbai - 400058

Under Twinning Activity of TEQIP—III for Mentee Institute

**REWA ENGINEERING COLLEGE, REWA,  
M.P.**



Venue

**SARDAR PATEL COLLEGE OF  
ENGINEERING (SPCE)**

Andheri, Mumbai - 400058

## Patron

Dr. P. M. Khodke, Central Project Advisor, NPIU  
 Dr. Abhay Wagh, SPFU, Director DTE , Maharashtra  
 Dr. Sessa Iyer, Chairperson, BoG, SPCE  
 Dr. P. H. Sawant, Principal, SPCE, Mumbai  
 Dr. B. K. Agrawal, Principal, REC Rewa

## Advisory Committee

Dr. M. M. Murudi, Vice Principal and Head (Civil Engg.)  
 Dr. Rajesh B. Buktar, Former Dean Academics  
 Dr. Prashant P. Nagrale, Dean Finance  
 Dr. A. R. Kambekar, Chairman, PG Cell, SPCE, Mumbai.  
 Dr. N. R. Raykar, Head (Mechanical Engg.)  
 Dr. Anupa Sabnis, Head (Electrical Engg.)  
 Dr. A. A. Bage, Incharge, First Year B. Tech.  
 Dr. Rahul Dahatonde, Coordinator, TEQIP III SPCE  
 Dr. R. P. Tiwari, Coordinator, TEQIP III REC, Rewa

## Organising Secretary

Dr. Kiran Suresh Bhole, Dean (R & D), SPCE, Mumbai

## Convener

Dr. S. B. Rane, Dean Academics , SPCE, Mumbai

## Coordinators

Dr. S. S. Umale, Coordinator, PhD (MED)  
 Dr. A. N. Ghadge, Coordinator, M. Tech. (Construction Management)  
 Dr. B. N. Bhasme, Coordinator, M. Tech. (Thermal Engg)  
 Prof. Remadevi, Coordinator, M. Tech. (PEPS)  
 Prof. Akshata Deshpande, Coordinator, M. Tech. (Structural Engg)

## Organizing Committee

Prof. Sharad Valvi, Faculty, MED  
 Prof. Haseen Shaikh, Faculty, MED  
 Prof. Rahul Chavhan, Faculty, EED  
 Prof. Vishal Dake, Faculty, EED  
 Prof. Snehjit Kumbhar, Faculty, CED  
 Dr. Jayaram Ghoalve, Faculty FE

## Registration Details

Industry Persons: Rs. 1000/-  
 Teaching Faculty: Rs 700/-  
 PG Students/Research Scholars: Rs 500/-  
 Registration is free for students and faculty from TEQIP institutes

For registration, send DD in favour of “Principal, Sardar Patel College of Engineering, Mumbai”, payable at Andheri, Mumbai or candidates can pay the registration fees through online banking in the below given bank account details

<b>Bank Name:</b> Indian Bank, Andheri (W)	<b>Branch Name:</b> Bhavan's Campus
<b>Account Name:</b> SPCE TEQIP II Corpus Fund	
<b>Account No.:</b> 6006130010	<b>IFSC Code:</b> IDIB000B092

After payment candidates shall register on link <https://docs.google.com/forms/d/1EfwMokpnPRZp5aKcuNJEfEHBLsnS7viJd8lVGWZctlg/edit>

Registration fee includes Symposium kit, Certificate of Participation/Poster Presentation, Lunch and Refreshments. Scanned copies of duly Filled-in registration form and DD should be sent to **res.sympo2019@gmail.com** on or before 30<sup>th</sup> April, 2019. The hard copy can be submitted in person at the time of symposium. No TA/DA will be provided to the participants. There is a maximum limit of **50** participants for the symposium. Selection will be on first come first serve basis. The selected participants will be communicated through email. **A poster presentation session is arranged during the symposium for interested participants. If you are interested please send title of poster to **res.sympo2019@gmail.com** before 30<sup>th</sup> April 2019. Candidate has to carry colour poster of size 1 m x 1 m. (Refer separate flyer for guidelines related to poster presentation).**

Full Name :  
 (In Capital Letters)

Profile: Professionals from Industry /Faculty Member / Research Scholars / PG student

Department:

Institute:

Address:

Contact No.:

Email Id:

DD No.:

Amount:

Date:

Bank and Branch

Signature of Participant:

(To be filled by Poster Presentation Participant Only)  
 Title of the Poster :

Stream/Field :

# Research Symposium 2019

## Poster Presentation Competition

Create and submit your posters of size 1 m x 1 m  
featuring Innovative Research.

Posters will be displayed at Research Symposium 2019 at SPCE, Mumbai.



Rs. 5,000/-



Rs. 3,000/-



Rs. 2,000/-

Registration Fees  
Rs. 500/-

Submit your entries to:  
[res.sympo2019@gmail.com](mailto:res.sympo2019@gmail.com)

Last Date of Submission: 30 April 2019

Contact us:

Dr. Kiran S. Bhole: [kiran\\_bhole@spce.ac.in](mailto:kiran_bhole@spce.ac.in)

Dr. Santosh Rane : [s\\_rane@spce.ac.in](mailto:s_rane@spce.ac.in)

Mr. Ajit Palve: 8983975923

Organised by: -.

Bharatiya Vidya Bhavan's  
Sardar Patel College of Engineering  
Andheri, West, Mumbai- 400058





**Title**  
(Research Project Number etc)



**Name of Author**  
**Name of the Department**  
**Name of the college/institute**  
Email:

**1. Introduction:**

**3. Experimental/ Simulations Results and Discussion**

**2. Experimental Setup etc**

**4. Conclusions and Future Scope:**

**Acknowledgement :-**

**Publications**