



Rajgad Dnyanpeeth's

## SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING

Gat No. 237, Pune Bangalore Highway, Dhangawadi, Tal – Bhor, Dist- Pune (Maharashtra)

### Criteria 3: Research, Innovations and Extension

#### Key Indicator – 3.3 Research Publications and Awards

3.2.1 Institution has created an ecosystem for innovations including incubation center and other initiatives for creation and transfer of knowledge (5)

#### Index

Sr. No.	Name of Conference
1	International Conference on Applied Science, Engineering, Technology & Management -2018
2	National Conference on Research, Design and Development in Engineering, Management & Sciences- 2017
3	National Conference on Research, Design and Development in Engineering, Management & Sciences- 2016





RAJGAD DNYANPEETH'S  
**SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING**  
Gat.No-237, Pune Bangalore Highway, Dhangawadi, Tal-Bhor, Dist-Pune (Maharashtra)

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# **International Conference on Applied Science, Engineering, Technology & Management -2018**

Rajgad Dnyanpeeth's

**SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING**

Gat No. 237, Pune Bangalore Highway, Dhangawadi, Tal – Bhor, Dist- Pune (Maharashtra)

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**Report On**

**International Conference on Applied Sciences, Engineering,  
Technology and Management – 18.**

**(ICASETM-2018)**

**On dated**

**20<sup>th</sup> -21<sup>st</sup> April 2018**

**Organized By**



**Rajgad Dnyanpeeth's**

**Shri Chhatrapati Shivajiraje College of Engineering,  
Dhangewadi, Pune.**

*In association with*

**Institute for Engineering Research and Publication**

**(IFERP)**



## 1. INAGURATION:

The International conference started with the inaugural function which was honored by the presence of academicians and Scientist. Dr. Ramchandra Narhe, Dr. P. H. Patil, Professor and Vice- Principal Dr. D. Y. College of Engineering, Pune, Dr. S. T. Patil, Professor, Vishwakarma Institute of Technology, Pune, Mr. Arihant, Member, IFERP, Chennai were the invited dignitaries. The conference was launched with warm welcoming address from Organizing Secretary of Conference and Head of Computer Engineering, Prof. Mukund B. Wagh, of the host institution welcomed the guests and stating the importance and identity of this conference. Prof. Tanuja Zende of Electronics and Tele communication Engineering Department gave an overview of the events to follow.



*Lighting of the lamp ceremony*



After lighting the lamp, Dr. Ramchandra Narhe Chief Guest of Event, in his inaugural address, advised the Academician, students, researcher, faculty to use all the opportunities they get to learn other fields of engineering too. Also delivered session on Nano structure of various animals used in Nano- Technology (Nature inspired algorithms used in the field of Engineering)



*Dr. Ramchandra Narhe delivers the inaugural address*

A special address was given by Dr. S. T. Patil, Professor, Department of Computer Engineering, Vishwakarma Institute of Technology, Pune.



*Dr. S. T. Patil addresses the participants*

In his speech, Dr. S. T. Patil mentioned that the applications of Engineering, Technology should always focus on solving problems related to various fields. He shared his thoughts that



issues of sustainability are relevant in all disciplines of technology and we have to identify problems and find solutions through innovative applications and research.

ICASETM 2018 proceedings were released by Dr. P. H. PATIL and dignitaries.



*Dr. P. H. Patil releases the ICASETM 2018 proceedings in the presence of all Guest.*

Second keynote address was delivered by Dr. P. H. Patil, Professor, Vice-Principal, Dr. D. Y. Patil College of Engineering, Ambi, on "Importance of Research".



*Dr. P. H. Patil delivers a talk*

Delivered vote of thanks by Prof. Tanjuja Zende, Assistant Professor, E& TC Department of hosting institute.



After the inaugural and keynote sessions, academic sessions were started in the various departments. The departmental events consisted of expert lectures and technical paper presentations. The sessions were chaired by faculty and experts in the respective disciplines from leading Educational Institutions and Research Organizations and faculty of the host institution.



*Paper presentation*

**Valedictory Function:**

Certificates distributed to authors and presenter in the valedictory function which is held on 21<sup>st</sup> April 2018 at RD's Shri Chhatrapati Shivajiraje College of Engineering, Dhangwadi, Pune with the hands of Mr. Arihant, IFERP Chennai representative.





*Certificate Distribution*

Prof. R. B. Nangare, concluded the valedictory function with his vote of grateful thanks to all those who had helped make the conference a success.

**Prof. M. B. Wagh**  
**Convener & Organizing Secretary,**  
**ICASETM-2018.**







## INSTITUTE FOR ENGINEERING RESEARCH AND PUBLICATION (IFERP) International Conference

Revered Sir/ Madam,

With due respect and on behalf of IFERP-Institute for Engineering Research and Publication I would like to submit a proposal of conducting an International Conference in association with **Rajgad Dnyanpeeths Technical Campus, Shri Chhtrapati Shivajiraje College of Engineering, Dhangwadi, Pune, Maharashtra.**

### About Us:

Institute for Engineering Research and Publication (IFERP) is world's one of the largest professional association working in India as well as overseas countries in field of science, engineering and technology. The organization has conducted more than two hundred world class conferences in different parts of world including colleges, universities and convention centers in academic year 2017-18. IFERP consists of a gigantic association and network of leading professionals from academia as well as industries who have left no stone unturned in bringing a technical revolution in south east Asia. The organization receives thousands of research papers related to engineering and technology for our conferences and journals, which are pearly reviewed by the editorial boards and reviewer committees. The intellectual interaction between the delegates from educational institutes and industries in IFERP conferences provides a sustainable solution to the technical challenges of society.

### Keynote speaker/Guests:

The organization will be inviting keynote speakers to share their knowledge from industries as well as overseas universities like National University of Singapore. Members of IFERP from leading institutes like IITs, IISc and others will be attending the conference to chase the session.

### Registration fees/Revenue:

The registration fees could be decided by mutual discussion and convenience. A part of the fees exceeding the expenditure will be contributed to the venue college for development of research activities.

### Expected attendees:

If we schedule the conference after three months we can expect more than hundred delegates since we have a strong network of IFERP Members and highly active team working on web analysis to carry out online publicity.

### Review Process:

Research papers will be checked with plagiarism before being sent to review. A strict review of papers will be done by IFERP Reviewers committee and by the faculties with doctorate of your college.

### Schedule:

Two days Conference could be schedule on Tentative Dates at **Rajgad Dnyanpeeths Technical Campus, Shri Chhtrapati Shivajiraje College of Engineering, Dhangwadi, Pune, Maharashtra.**



IFERP, GIRIJA APARTMENT, ARUMBAKKAM, CHENNAI - 600 106



044-49589038



EMAIL: info@iferp.in



WEBSITE: www.iferp.in

Ref. no: 11/17/10750



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## INSTITUTE FOR ENGINEERING RESEARCH AND PUBLICATION (IFERP) International Conference

### Scopes and benefits:

- All the accepted papers will be published in the conference proceedings.
- All the accepted paper will be published in relevant International Journals.
- Accepted paper will be provided with a Digital Object Identifier (DOI) number with which they can find their research paper up loaded at the **doirectory.com**
- Awards will be given for the best research paper as well as best paper presentation.
- IFERP DELEGATES EXCHANGE PROGRAMME (IDEP): Delegates from IFERP conferences with brilliant ideas and research initiatives would be sent to carry out the research and development activities at overseas, abroad and International organizations having collaboration with IFERP.
- Delegates with research activities and innovative ideas which may be beneficiary for humanities will be funded through IFERP Research Funding Scheme

### Materials to be provided:

- Participation in the technical program of up to two author/co-authors
- Welcome reception
- Badge
- IFERP Conference Bag
- Conference Accessories/Kits
- Certificates for author and co-authors
- IFERP Conference Proceeding
- IFERP Conference Proceeding CD
- Coffee breaks
- Lunch
- Awards Ceremony

All the accepted papers will be published in highly cited journals

Therefore I request you kindly extend your hearty support by which we can conduct a grand successful conference which can reduce the gap between academia as well as industries to streamline the journey of technical advancement. I assure you the conference will be a grand success.

Regards,

Institute for Engineering Research and Publication (IFERP)



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044-49589038



EMAIL: info@iferp.in



WEBSITE: www.iferp.in



## INSTITUTE FOR ENGINEERING RESEARCH AND PUBLICATION

IFERP (Institute for Engineering Research and Publication) is India's largest Non-profitable professional association which conducts more than two hundred international conferences and scientific events all across the world every year.

To create a worldwide integrated scientific platform we support engineering colleges and technical Universities in India financially and academically with our well connected resource professionals and members to organize international conferences, faculty development program and workshops.

With our mission to make our academic services reach the top and grass root level of the institutions we are funding colleges to organize conferences and scientific events by which researches incubated are different areas of our country could directly contribute towards transformation of India. In this regards International conferences are being organized by IFERP in different zones of our country.

We suppose that **Rajgad Dnyanpeeths Technical Campus, Dhangwadi, Pune** may be a perfect institute to organize this grand event in western zone of Maharashtra State. Therefore we have enclosed the proposal to organize the International conference in association with your esteemed institute at Rajgad Dnyanpeeths Technical Campus, Dhangwadi, Pune, Maharashtra.

We have several procedures including college infrastructure assessment and accessibility for your institute to go ahead with the proposals, which will be smooth and transparent. Details of the execution, commitments, responsibilities and mutual understanding for smooth execution of our conference are enclosed in addition with these documents for proper clarity, transparency and for your kind perusal.

Sincerely,



**Rudra B Satpathy,**  
Managing Director,  
Institute for Engineering Research and Publication  
044 - 4958 9038  
<http://iferp.in/>



IFERP -Institute for Engineering Research & Publication  
GIRIJA APARTMENT, ARUMBAKKAM, CHENNAI - 600 106



044-42918383



Email: [info@iferp.in](mailto:info@iferp.in)



[www.iferp.in](http://www.iferp.in)

**Unit of Technoarete Research and Development Association**



With reference to our letter no: **11/17/iferp28600** on behalf of IFERP, we extend a proposal to organize an International conference in association with your esteemed institute at **Rajgad Dnyanpeeths Technical Campus, Dhangwadi, Pune, Maharashtra**. Since IFERP will be organizing global standard conferences with international speakers in each and every zone of India we have shortlisted your institute one among of few other institute at your area.

### Expenses of the conference:

Our organization will be funding from Rs.05 Lakhs to Rs.10 Lakhs for execution of the conference considering the requirements. In this regards, major expenses of the conference which include the following aspects will be carried out by IFERP.

1. Software, Website and Technical assistance.
2. Publicity
3. Expenses of Speakers and chairs including travel and honorarium.
4. Conference article management services
5. Conference Proceedings & Certificate (Designing & Printing)
6. Logistics
7. Conference KITS (Including Conference Bag, Pen, Pad and other accessories)
8. Other expenses, if any
9. Flex Board & Branding materials (Posters & Brochures)
10. Responsibility to make a good number of attendees.
11. Assuring high quality of research article for the conference.
12. Publication in highly cited and high impact factor journal approved by UGC, Scopus and other indexing organization.

With regards to smooth, healthy and successful execution of the conference, we require very nominal support from the hosting institute which may include like a single day accommodation for our speakers and good hospitality for our executive.

Since there is a diversity in our country regarding food and taste of different states, we request the hosting institute (**Rajgad Dnyanpeeths Technical Campus, Dhangwadi, Pune**) to propose the food menu. The expenses of the food arrangement like lunch, Tea /Coffee could be shared by **Rajgad Dnyanpeeths Technical Campus** and **IFERP**. Details of the commitment and responsibility of IFERP and **Rajgad Dnyanpeeths Technical Campus** to execution of the conference could be found out on the strategy of execution, which has been enclosed for your kind perusal.

**Rudra B Satpathy,**  
 Managing Director,  
 Institute for Engineering Research and Publication  
 044 - 4958 9038  
<http://iferp.in/>



IFERP –Institute for Engineering Research & Publication  
 GIRIJA APARTMENT, ARUMBAKKAM, CHENNAI - 600 106



044-42918383



Email: [info@iferp.in](mailto:info@iferp.in)



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## CONFERENCESTRATEGY

#4A, Girija Tower  
MMDA, Arumbakkam  
Chennai 600106

Strategy Version No.:	302.50
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### CONFERENCE STRATEGY REVISION LIST

Doc.Ver. No	Date	Prepared By	Reviewed By	Approved By	Description
302.50	13.11.2017	Dr. Nalini Chidambaram	Ankit Rath	R.B.Satpathy	





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## 1. Conference Strategy

### 1.1 Conference Scope

Research papers will be accepted for review from all streams of Applied Science, Engineering and Technology including academia as well as industry.

### 1.2 Acceptance Criteria

Research abstract will go through first phase **Plagiarism** check. Once the abstract clears plagiarism check the paper will go through a peer blind **Review**.

### 1.3 Exclusion

A research abstract/paper which fails either plagiarism check or review will be excluded.

### 1.4 Conference Initiation Methodology

The title of the international conference and the important dates for the same will be decided by discussion and bi-lateral consideration. The areas of interest/topics/tracks for the conference should be finalized.

### 1.5 Conference Execution Approach

The execution of the conference should be carried out by both the entities as per strategic activities given below in Activity Vs Responsibility table.

### 1.6 Activity Vs Responsibility

Activity	In Details	Responsibility
Initial Phase Activities		
Conference Initiation	Name of Conference Topic of Conference Area of interest	BOTH
Website	Website Creation Website Design	IFERP







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Plan Phase Activities		
Key Note Speaker, Session Chair	Invitation Treatment	IFERP
Key Note Speaker	Accommodation Hospitality	SCSCOE, Dhangwadi
Brochures Posters Pamphlets Flyers	Designing Printing	IFERP
Brochures posters Pamphlets Flyers	Mailing Soft copy Sending Hard copy	IFERP
Execution Phase Activities		
Publicity	Indexing of conference to event alert site Social Networking Mail notification	IFERP
Publicity	Colleges, University	IFERP
Publicity	PSU Companies Industries	IFERP
Call for Paper		IFERP
Advertisement	Newspaper, Press Release	SCSCOE, Dhangwadi
Paper management	Receiving research papers Allocation of Paper ID Allocation of DOI Acceptance Notification	IFERP
Control Phase Activities		
Reviewers Response		BOTH
Final Invitation		IFERP
Proceedings /Conference Book	ISBN Alignment of papers Designing of proceedings	IFERP
Certificates		IFERP
Printing	Proceeding ID Card Others	IFERP





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Conference KIT	Bag Pen Pads Folders Other accessories	IFERP
Journal	Online Publication ISSN	IFERP
Venue		SCSCOE, Dhangwadi
Food Arrangement	Lunch Tea / Coffee	SCSCOE, Dhangwadi

## 1.7 Conference Deliverables

The delegates will be issued with the following conference deliverables:

- Conference Proceeding with ISBN
- Certificate
- Conference Bag

## 2. College Sign off

Either entity agrees to work for strategy implementing activities and respective roles with mutual co-operation and understanding to make the conference successful.



**IFERP**

#4A, Girija Apartment,  
MMDA, Arumbakkam  
CHENNAI -600106, T.N.

**PRINCIPAL**

Rajgad Dnyanpeeth Technical Campus  
Shri Chhatrapati Shivajiraje College Of Engineering  
Dhangwadi, Bor, Dist-Pune (M.S.), 412205

**Rajgad Dnyanpeeth Technical Campus**  
Shri Chhatrapati Shivajiraje College of Engineering  
Gat No. 237, Dhangwadi,  
Pune. Pin code – 412206, Maharashtra.



Rajgad Dnyanpeeth's

**SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING**

Gat No. 237, Pune Bangalore Highway, Dhangawadi, Tal – Bhor, Dist- Pune (Maharashtra)

Ref. No. RDTC/2017-18/SCSCOE/COMP/15

Date-13/04/2018

**NOTICE**

All heads of department hereby informed (as per the notice dated 23/03/2018 submission of papers by staff) to submit no. of papers submitted (count) to Conference from your department staff and student on or before 05.00 pm by today (13/04/2018) to Convener.



Prof. M. B. Wagh  
Convener, ICASET-18



Prof. Dr. S. B. Patil  
Principal

**Principal**

Rajgad Dnyanpeeth's  
Shri Chhatrapati Shivajiraje College of Engg.,  
Dhangawadi, Pune-412206

CC to,

HOD Computer- 

HOD Civil- 

HOD E&TC- 

HOD Mechanical- 

HOD FE- 

Rajgad Dnyanpeeth's

**SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING**

Gat No. 237, Pune Bangalore Highway, Dhangawadi, Tal – Bhor, Dist- Pune (Maharashtra)

**International Conference on Applied Sciences, Engineering,  
Technology and Management  
20<sup>th</sup> – 21<sup>st</sup> April 2018**

**WORK DISTRIBUTION**

Committee	Name of Staff	Assigned Duties
Inauguration committee	1. Prof. M. M. More 2. Prof. R. P. Rajeshirke 3. Mr. Amol Maind 4. Mr. Sndip Ghorpade	1.Seminar hall arrangement 2. LCD Arrangement
Invitation Committee	1. Prof. G. B. Yadav 2. Prof. M. B. Bankar 3. Prof. S. M. Jadhav 4. Prof. D. U. Dalvi	1. Invitation to session chairs 2. Invitation to chief patrons, patrons, Principals & HOD's etc. 3.Confirmation & time scheduling of session chairs
Anchoring	1. Prof. T. Zende	1.Inauguration Function, 2. Each session starting & conclusion
Food, Lodging Boarding Arrangement	1. Prof. M. R. More 2. Prof. R. B. Nangare	1.Breakfast, tea and lunch arrangement 2 Judges & Participant stay arrangement 3. Travel facility to resource persons (If required)
Registration & Schedule preparation conduction	1.Prof. Shital Salunke 2. Prof. S. R. Shinde 3. Prof. L. P. Maskepatil 4. Prof. R. P. Rajeshirke	1.Confirmation of participant for presentation 2. Attendance of participants during session 3. Photography 4.Participant kit preparation & distribution, 5.Registration Desk 6.Certificate Distribution
Budgeting & finance	1. Prof. M. B. Wagh	1. Finance related work. 2. Any Incidental work
Seminar Hall & Session Room Arrangement	1. Prof. J. P. Borude 2. Prof. S. V. Bankar 3. Prof. S. M. Jadhav	1. Arrangement of audience 2. Scheduling of presentation 3. Marking//Evolution sheet

  
Prof. M. B. Wagh

Organizing Secrety-ICUC-17



  
Prof. Dr. S. B. Patil

**Principal**  
Principal  
Rajgad Dnyanpeeth's  
Shri Chhatrapati Shivajiraje College of Engg.,  
Dhangawadi, Pune-412206

## Advisory Committee:

- Dr. N. Ganeshi, Prof. Vel Tech Dr. RR & Dr. SR University, Chennai  
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 Dr. Parikshit N. Mahalle, Professor, SKNCOE, Pune  
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 Dr. Y. M. Patil, Professor, KIT, Kolhapur  
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 Dr. R. S. Jahagirdar, Principal, KGRCOE&T, Hyderabad  
 Dr. A. N. Kate, Principal, ZCOER, Pune  
 Dr. Santosh Bhosale, Principal, MIT, Aurangabad  
 Dr. J. A. Hole, Professor, JSCOE, Pune

## Our Sponsors and Promoters



## Organizing Committee

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**Hon'ble Anantraoji Thopte**  
 Ex- Education Minister (Maharashtra State),  
 Founder President, Rajgad Dnyanpeeth, Bhor, Pune
- Patron**  
**Hon'ble Sangram Thopte, MLA**  
 Executive Chairman, Rajgad Dnyanpeeth, Bhor, Pune
- Hon'ble Son. Dr. Bhagyashri Patil**  
 Secretary, Rajgad Dnyanpeeth, Bhor, Pune
- Conference Chair**  
**Dr. S. B. Patil**  
 Principal, SCSCOE, Pune
- Convener & Organizing Secretary**  
**Prof. M. B. Wagh**  
 HOD, Computer Engineering, SCSCOE, Pune
- Program Chair**  
**Prof. T. M. Dhundane, HOD, E & TC, SCSCOE, Pune**  
**Prof. G. S. Jadhav, HOD, Civil Engineering, SCSCOE, Pune**  
**Prof. S. K. Pawar, HOD, Mechanical Engineering, SCSCOE, Pune**  
**Prof. Mrs. J. G. Kale, HOD, First Year Engineering, SCSCOE, Pune**
- Registration Details**
- | Categories                | IFERP Members | Non-IFERP Members |
|---------------------------|---------------|-------------------|
| UG Student                | INR 1500      | INR 2000          |
| PG Student                | INR 2000      | INR 2500          |
| Research Scholars/Faculty | INR 2500      | INR 3000          |
| Industrial Professionals  | INR 3000      | INR 3500          |
| Extra Co-Author           | INR 500       | INR 500           |
| Listener                  | INR 300       | INR 300           |
- For a Paper Maximum Upto 2 Authors/Co-Authors are allowed
  - For Attending the conference Only 2 Authors/Co-Authors are allowed, for extra author 500 INR will be charged.
  - Collect your Lunch Coupons by paying 150 INR/Person from the Registration Desk.

## Co-ordinator

+91 - 8015008054  
 info@icasetm.com | www.icasetm.com



# 2<sup>nd</sup> International Conference on Applied Sciences, Engineering, Technology and Management

## ICASETm-2018

20<sup>th</sup> - 21<sup>st</sup> April, 2018

Organized by

Rajgad Dnyanpeeths Technical Campus,  
 Shri Chhatrapati Shivajiraje College of Engineering  
 and  
 Institute For Engineering Research and Publication  
 (IFERP)

<http://icasetm.com/>



## About the College

Rajgad Dnyanpeeth is established in 1972 by Founder President Shri. Anantaram Thopke Ex. Education Minister and run under intellectual guidance of Executive President Shri Saugramdada Thopake, MEd and Secretary Smt. Dr. Bhagyashri Patil with the aim of imparting quality education in rural area in the field of Engineering, Management, Education, Science, Commerce, Pharmacy and basic school education. Rajgad Dnyanpeeth has simple and well equipped campuses at Pune, Bhor and Pune-Bangalore Highway Dhangawadi. Nearly 10000 plus students are taking quality education under the guidance of well qualified staff. RDTC Shri Chhatrapati Shivajiraje College of Engineering, Dhangawadi, Pune established in year 2009 in order to achieve excellence in the field of Engineering. SSCOE offering degree and diploma courses in Computer, E-Comp, TC, Mechanical and Civil Engineering. All the above courses are approved by All India Council of Technical Education (AICTE), New Delhi and affiliated to Savitribai Phule Pune University.

## Conference Objective

Our main objective is to promote scientific and educational activities towards the advancement of common man's life by improving the theory and practice of various disciplines and sectors of Research. Challenges in Engineering Technology, IIFERP being one of the largest professional association of south asia organizes conferences, workshop, seminars and/or awareness programs by providing the technical and other supports to improve research and development activities, publishing high quality academic international journals as well as upto date and current transactions.

## Call for Papers

Computer Science and Engineering  
Big data analytics, Cloud Computing, Data Mining |  
Parallel, Distributed Computing and Ubiquitous Computing  
ICT and IOT | Advanced algorithms and complexity |  
Mobile, Wireless and Sensor Networks | Artificial  
Electronics and Communication  
Analog and digital signal processing | Image processing &  
Speech processing | Cognitive radio networks |  
Wireless-mobile communication and technologies |  
Embedded & wireless systems  
Electrical and Electronics Engineering  
Power electronics | Power system protection | Facts  
Electrical communication Systems | Electric Vehicles |  
Renewable Energy | Power quality

## Mechanical Engineering

Advanced battery and fuel cell development for electric vehicles  
Advanced cooling systems | Atomated guided vehicle system  
Electronics fuel injection | Biomass fuelled power plant  
Civil Engineering  
Use of industrial waste | Structural analysis and design | Social and environmental researh | Life-Cycle analysis | Micro climate  
Human factors in technology development and use | Green building materials | Geographic information techniques | nvironment and technology | Disaster prevention and mitigation  
MBA  
Smart marketing | Quality control and management  
Physics  
Photonics | Condensed matter physics | Nano technology  
Chemistry  
Green chemistry and engineering for sustainable future  
Water: From pollution to purification

## Conference Benefits

- ICASETM-2018 will be a perfect platform for students of post graduate and undergraduate levels to express their innovative thoughts and unique research work at global platform.
- ICASETM-2018 will provide scopes to students to meet and interact with International Speakers and Scientists of National importance. Students can interact with session chairs related and working on relevant fields of their research.

- To further redefine their innovations students can consider the advices and technical suggestions of our chairs.

- Students can publish their articles in reputed journals of International importance. Papers or Articles associated with ICASETM conference are published in UGC, Scopus and Academia.

- Articles presented in ICASETM-2018 will be available for citation at reputed scientific repositories like science Direct, Research Pedia and Academic library.

## Journals:

UGC	Open Access Journals	Scopus Journals: (*conditions applied)
IJERCSE IJRSST	IJERCE IJSEM	IJPAM IJJET (UAE) JARDGS IJASETY



## KeyNote Speaker

**Vijay Tharad**

Director Operations at Corporate Professional Academy for Technical Training & Career Development.

**Shri. Sreenivas Kunapuli**

Vice President,  
Sutherland Global Services

**Dr. Vaishali Shimpi**

Scientist,  
Advanced Data Processing Research Institute (ADRIN),  
Hyderabad.

**Dr. V.N. Mami**

Scientist-E,  
Centre for Materials for Electronics Technology(C-MET),  
Hyderabad.

**Zhang Dao Hua**

Professor, Nanyang Technological University, Singapore.

## Submission of Abstract / Full Paper

Last Date for Abstract Submission - 10<sup>th</sup> April, 2018

Registration Dead Line - 15<sup>th</sup> April, 2018

Last Date for Full Paper Submission - 18<sup>th</sup> April, 2018

Conference Date - 20<sup>th</sup> - 21<sup>st</sup> April, 2018

## Authors Guidelines

For students registering late an extra amount of INR 1000/- will be charged.

For a Paper Maximum Up to 2 Authors/Co-Authors are Allowed, More than 2 authors/co-authors extra charges will be applicable.

All accepted papers will be published in the conference proceedings.

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Any modification in the paper will be not accepted after the final submission Date.

# ICASETM -18

## 2<sup>nd</sup> INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, ENGINEERING, TECHNOLOGY AND MANAGEMENT

20<sup>th</sup> - 21<sup>st</sup> April 2018



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Sutherland Global Services



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Advanced Data Processing Research Institute - ADRI,  
Hyderabad



Dr. V.N. Mani  
Scientist-E,  
Centre for Materials for  
Electronics Technology (CMET),  
Hyderabad



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Abstract Submission 10<sup>th</sup> April 2018  
Registration 15<sup>th</sup> April 2018  
Full Paper Submission 18<sup>th</sup> April 2018  
Conference Date 20<sup>th</sup> - 21<sup>st</sup> April 2018

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**RDTC Shri Chhtrapati Shivajiraje College of Engineering**  
Dhangwadi, Pune, Maharashtra, INDIA

**Shri Chhatrapati Shivajiraje College of Engineering**

Approved by AICTE, Govt. of Maharashtra and Affiliated to the University of Pune (ID.NO.PU/PN/Engg/376/2009)\*

Dr. Bhagyashree S. Patil  
Hon. SecretaryAnantao Thopte  
Founder President  
Ex. Education Minister  
Maharashtra State

Ref: SC/Invitation Letter/12/2017-18

Date:- 03/04/2018

**Chief Patron**Hon'ble Anantaoji Thopte  
Ex- Education Minister (Maharashtra  
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Rajgad Dnyanpeeth, Bhor, Pune**Patron**Hon'ble Sangram Thopte, MLA  
Executive Chairman, Rajgad Dnyanpeeth,  
Bhor, PuneHon'ble Sou. Dr. Bhagyashree Patil  
Secretary, Rajgad Dnyanpeeth, Bhor,  
Pune**Conference Chair**Dr. S. B. Patil  
Principal, SCSCOE, Pune**Convener & Organizing Secretary**Prof. M. B. Wagh  
HOD, Computer Engineering, SCSCOE,  
Pune**Program Chair**Prof. T. M. Dhudane  
HOD, E & TC, SCSCOE, Pune.Prof. G. S. Jadhav  
HOD, Civil Engineering, SCSCOE, Pune.Prof. S. K. Pawar  
HOD, Mechanical Engineering, SCSCOE,  
Pune.Prof. Mrs. J. G. Kale  
HOD, First Year Engineering, SCSCOE,  
Pune.To,  
The Principal,AISSMS  
Institute of Information  
Technology, PuneSubject: Invitation for International Conference on Applied  
Sciences, Engineering, Technology and Management 2018

Dear Sir/Madam,

We, are proud to announce and invite you, your staff and students to participate in the "Applied Sciences, Engineering, Technology and Management (ICASET M - 2018)" organized by Rajgad Dnyanpeeths Technical Campus, Shri Chhatrapati Shivajiraje College of Engineering, Dhangawadi, Pune on 20<sup>th</sup> and 21<sup>st</sup> April 2018 in association with Institute For Engineering Research and Publication (IFERP).

You are cordially invited to contribute a paper and participate in the conference. We also request you to encourage UG, PG candidates and faculty members to participate in this conference and get maximum benefit out of it.

Hoping to get an overwhelming response from you.

Thanking You.

With Regards.

Prof. Dr. S. B. Patil  
Principal



# Shri Chhatrapati Shivajiraje College of Engineering

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**Dr. Bhagyashree S. Patil**  
Hon. Secretary

**Anantrao Thopte**  
Founder President  
Ex. Education Minister  
Maharashtra State



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Ex- Education Minister (Maharashtra State), Founder President,  
Rajgad Dnyanpeeth, Bhor, Pune
- Patron**  
Hon'ble Sangram Thopte, MLA  
Executive Chairman, Rajgad Dnyanpeeth,  
Bhor, Pune
- Hon'ble Sou. Dr. Bhagyashree Patil  
Secretary, Rajgad Dnyanpeeth, Bhor,  
Pune
- Conference Chair**  
Dr. S. B. Patil  
Principal, SCSCOE, Pune
- Convener & Organizing Secretary**  
Prof. M. B. Wagh  
HOD, Computer Engineering, SCSCOE,  
Pune
- Program Chair**
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- Prof. G. S. Jadhav  
HOD, Civil Engineering, SCSCOE, Pune.
- Prof. S. K. Pawar  
HOD, Mechanical Engineering, SCSCOE,  
Pune.
- Prof. Mrs. J. G. Kale  
HOD, First Year Engineering, SCSCOE,  
Pune.

To,  
The Principal,  
College of Engineering  
Pune

Subject: Invitation for International Conference on Applied Sciences, Engineering, Technology and Management 2018

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With Regards.

**Prof. Dr. S. B. Patil**  
Principal



*Recd  
Dr. S. B. Patil*

# Shri Chhatrapati Shivajiraje College of Engineering

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**Dr. Bhagyashree s. Patil**  
Hon. secretary

**Anantrao Thopte**  
Founder President  
Ex. Education Minister  
Maharashtra State



Date:-17/04/2018

To,  
Dr. Ramchandra Narhe,

Subject: Invitation as a **chief guest** for Inauguration Function of ICASETM -18.

Dear Sir,

We, RD's, Shri Chhatrapati Shivajiraje College of Engineering, Dhangwadi, Pune are organizing International Conference on Applied Sciences, Engineering, Technology and Management (ICASETM -2018). This program is specially organized for researchers, faculty and students it will help them to upgrade and share their knowledge.

We would like to invite you as a **chief guest** for Inauguration Function of International Conference on Applied Sciences, Engineering, Technology and Management (ICASETM - 2018).


The schedule of the inauguration function is as follows:

Date: 20<sup>th</sup> April 2018  
Time: 11.00 am  
Venue: RD's, SCSCOE, Dhangwadi, Pune.

We request you to accept the invitation and grace the occasion with your presence.

Thanking You.

Yours Sincerely,

  
Prof. M. B. Wagh

Convener (ICASETM-18)



  
Dr. S. B. Patil

Principal  
Principal

Rajgad Dnyanpeeth's  
Shri Chhatrapati Shivajiraje College of Engg.,  
Dhangwadi, Pune - 412206

# Shri Chhatrapati Shivajiraje College of Engineering

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**Dr. Bhagyashree s. Patil**  
Hon. secretary

**Anantrao Thopte**  
Founder President  
Ex. Education Minister  
Maharashtra State.



Date:-17/04/2018

To,  
Dr. P. H. Patil  
D. Y. Patil College of Engineering,  
Pune.

Subject: Invitation as a Keynote Speaker for Inauguration Function of ICASETM -18.

Dear Sir,

We, RD's, Shri Chhatrapati Shivajiraje College of Engineering, Dhangwadi, Pune are organizing International Conference on Applied Sciences, Engineering, Technology and Management (ICASETM -2018). This program is specially organized for researchers, faculty and students it will help them to upgrade and share their knowledge.

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We request you to accept the invitation and grace the occasion with your presence.

Thanking You.

Yours Sincerely,

  
Prof. M. B. Wagh  
Convener (ICASETM-18)



  
Dr. S. B. Patil

**Principal**  
**Principal**  
Rajgad Dnyanpeeth's  
Shri Chhatrapati Shivajiraje College of Engg.  
Dhangawadi, Pune-412206

Received  
P.H. Patil  
17/04/2018

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**Dr. Bhagyashree s. Patil**

Hon. secretary

**Anantrao Thopte**

Founder President,  
Ex. Education Minister  
Maharashtra State



Date:-17/04/2018

To,  
Dr. S. T. Patil  
Vishwakarma Institute of Technology,  
Pune.

Subject: Invitation as a Keynote Speaker for Inauguration Function of ICASET M -18.

Dear Sir,

We, RD's, Shri Chhatrapati Shivajiraje College of Engineering, Dhangwadi, Pune are organizing International Conference on Applied Sciences, Engineering, Technology and Management (ICASET M -2018). This program is specially organized for researchers, faculty and students it will help them to upgrade and share their knowledge.

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Thanking You.

Yours Sincerely,

Prof. M. B. Wagh

Convener (ICASET M-18)



Dr. S. B. Patil

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Rajgad Dnyanpeeth's  
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Dhangawadi, Pune-412206

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**Dr. Bhagyashree s. Patil**  
Hon. secretary.

**Anantrao Thopte**  
Founder President  
Ex. Education Minister  
Maharashtra State



To,  
Dr. P. R. Futane  
Pimpri Chinchwad College of Engineering,  
Pune.

Date:-14/04/2018

Subject: Invitation as a Keynote Speaker for Inauguration Function of ICASETM -18.  
Dear Sir,

We, RD's, Shri Chhatrapati Shivajiraje College of Engineering, Dhangwadi, Pune are organizing International Conference on Applied Sciences, Engineering, Technology and Management (ICASETM -2018). This program is specially organized for researchers, faculty and students it will help them to upgrade and share their knowledge.

We would like to invite you as a **Keynote Speaker** for Inauguration Function of International Conference on Applied Sciences, Engineering, Technology and Management (ICASETM -2018).

The schedule of the inauguration function is as follows:

Date: 21<sup>st</sup> April 2018  
Time: 11.00 am  
Venue: RD's, SCSCOE, Dhangwadi, Pune.

We request you to accept the invitation and grace the occasion with your presence.

Thanking You.

Yours Sincerely,

  
Prof. M. B. Wagh

Convener (ICASETM-18)



  
Dr. S. B. Patil

Principal  
Principal

Rajgad Dnyanpeeth's  
Shri Chhatrapati Shivajiraje College of Engg.  
Dhangawadi, Pune-412206

Received  
R. Futane  
14/4/18

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**Dr. Bhagyashree s. Patil**

Hon. secretary

**Anantrao Thopte**

Founder President  
Ex. Education Minister  
Maharashtra State



Date:-17/04/2018

To,

S. K. Pawar  
H.O.P. Dept. of Mech. Engg,  
RD's, SCSCOE, Dhangwadi,  
Bhor, Pune.

Subject: Invitation for being session chair for ICASET M -18 on 20<sup>th</sup> & 21<sup>st</sup> April 2018.

Dear Sir,

We, RD's, Shri Chhatrapati Shivajiraje College of Engineering, Dhangwadi, Pune are organizing International Conference on Applied Sciences, Engineering, Technology and Management (ICASET M -2018). This program is specially organized for researchers, faculty and students it will help them to upgrade and share their knowledge.

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Yours Sincerely,

Prof. M. B. Wagh

Convener (ICASET M-18)



Dr. S. B. Patil

Principal

Rajgad Dnyanpeeth's

Shri Chhatrapati Shivajiraje College of Engineering

Dhangwadi, Pune - 412206

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**Dr. Bhagyashree s. Patil**  
Hon. secretary

**Anantrao Thopte**  
Founder President  
Ex. Education Minister  
Maharashtra State



Date:-17/04/2018

To,  
T.M. Dudhane,  
MOD., E&TC Dept.,  
RD's, SCSCOE, Dhangwadi,  
Bhor, Pune.

Subject: Invitation for being session chair for ICASETM -18 on 20<sup>th</sup> & 21<sup>st</sup> April 2018.

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Convener (ICASETM-18)

Dr. S. B. Patil

Principal  
Principal  
Rajgad Dnyanpeeth's  
Shri Chhatrapati Shivajiraje College of Engg.  
Dhangwadi, Pune-412206



Received.  
T.M. Dudhane  
17/4/2018.

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**Dr. Bhagyashree s. Patil**

Hon. secretary

**Anantrao Thopte**

Founder President  
Ex. Education Minister  
Maharashtra State



Date:-17/04/2018

To,

*C. S. Jadhav*  
H.O.D. Dept. of Civil Engg.,  
RD's SCSCOE, Dhangwadi,  
Bhor, Pune

Subject: Invitation for being session chair for ICASET M -18 on 20<sup>th</sup> & 21<sup>st</sup> April 2018.

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Thanking You.

Yours Sincerely,

*M.B. Wagh*  
Prof. M. B. Wagh

Convener (ICASET M-18)



*S. B. Patil*

Dr. S. B. Patil

Principal

Shri Chhatrapati Shivajiraje College of Engineering,  
Dhangawadi, Pune-412206



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Dr. S. B. Patil

Principal

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Hon. secretary

**Anantrao Thopte**  
Founder President  
Ex. Education Minister  
Maharashtra State



Date:-17/04/2018

To,  
P. R. Minde.....  
Asst. Professor,  
Dept. of Civil Engg.,  
TSSM's P.V.P.I.T. Bavdhan, Pune.

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**Principal**  
Principal  
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Hon. secretary

Anantrao Thopte  
Founder President  
Ex. Education Minister  
Maharashtra State



Date:-17/04/2018

To,  
S.B. Dumbre-Patil,  
Professor,  
A.T. College, Bor,  
Pune.

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Convener (ICASET M-18)



Dr. S. B. Patil

Principal  
Principal  
Rajgad Dnyanpeeth's  
Shri Chhatrapati Shivajiraje College of Engg.,  
Dhangawadi, Pune-412206

॥ प्रज्वालितो ज्ञानमयः प्रदीपः ॥  
Rajgad Dnyanpeeth's

# Shri Chhatrapati Shivajiraje College of Engineering

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Hon. secretary

**Anantrao Thopte**  
Founder President  
Ex. Education Minister  
Maharashtra State



Date:-17/04/2018

To,  
..... Dr. Jitendra Hole,  
..... Professor, Dept. of Mech. Engg.,  
..... BSCOE, Tathawade,  
..... Pune.....

Subject: Invitation for being session chair for ICASETM -18 on 20<sup>th</sup> & 21<sup>st</sup> April 2018.

Dear Sir,

We, RD's, Shri Chhatrapati Shivajiraje College of Engineering, Dhangwadi, Pune are organizing International Conference on Applied Sciences, Engineering, Technology and Management (ICASETM -2018). This program is specially organized for researchers, faculty and students it will help them to upgrade and share their knowledge.

We request you to kindly accept our invitation as a **session chair** for International Conference on Applied Sciences, Engineering, Technology and Management (ICASETM -2018) on dated 20<sup>th</sup> & 21<sup>st</sup> April 2018.

The schedule of the inauguration function is as follows:

Date: 20<sup>th</sup> & 21<sup>st</sup> April 2018  
Time: 11.00 am  
Venue: RD's, SCSCOE, Dhangwadi, Pune.

We request you to accept the invitation and grace the occasion with your presence.

Thanking You.

Yours Sincerely,

*M. B. Wagh*  
17/4/18  
Prof. M. B. Wagh

Convener (ICASETM-18)



*S. B. Patil*  
Dr. S. B. Patil

Principal  
Principal  
Rajgad Dnyanpeeth's  
Shri Chhatrapati Shivajiraje College of Engg.,  
Dhangwadi, Pune-412206

# Shri Chhatrapati Shivajiraje College of Engineering

Approved by AICTE, Govt of Maharashtra and Affiliated to the University of Pune (ID NO PU/PN/Engg/376/2009)

Dr. Bhagyashree s. Patil  
Hon. secretary

Anantrao Thopte  
Founder President  
Ex. Education Minister  
Maharashtra State



Date:-17/04/2018

To,  
Dr. C. G. Patil,  
Professor,  
Dept. of E & TC Engg.,  
S.A.E., Kondhawa, Pune.

Subject: Invitation for being session chair for ICASET M -18 on 20<sup>th</sup> & 21<sup>st</sup> April 2018.

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Convener (ICASET M-18)

Received  
S. Patil



Dr. S. B. Patil

Principal  
Rajgad Dnyanpeeth's  
Shri Chhatrapati Shivajiraje College of Engg.  
Dhangwadi, Pune-412206

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Hon. secretary

**Anantrao Thopte**  
Founder President  
Ex. Education Minister  
Maharashtra State



Date:-17/04/2018

To,  
..... Santosh Parade,  
..... Professor,  
..... Dept. of comp. Engg.,  
..... TAE, Pune.....

Subject: Invitation for being session chair for ICASETM -18 on 20<sup>th</sup> & 21<sup>st</sup> April 2018.

Dear Sir,

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Dr. S. B. Patil

Principal  
**Principal**  
Rajgad Dnyanpeeth's  
Shri Chhatrapati Shivajiraje College of Engg.  
Dhangawadi, Pune-412206

*Rajgad Dnyanpeeths Technical Campus,  
Shri Chhtrapati Shivajiraje College of Engineering*  
**2nd International Conference on Applied Sciences, Engineering, Technology and  
Management**

20<sup>th</sup> & 21<sup>st</sup> April, 2018

**DAY 1: 20/04/2018**

Registration	-	(09.00 am to 10.00 am)
Inaugural Function	-	(10.00 am to 10.30 am)
Introduction to ICASET-2018	-	(10.30 am to 11.15 am)
Keynote Speech	-	(11.15 pm to 01.00 pm)
Lunch	-	(01.00 pm to 01.30 pm)

**TECHNICAL SESSION- I (01.30 pm to 03.30 pm)**

Hall 1

**Mech & Civil Engineering**

1.	Modular Machine Technology in Manufacturing Industries: A Review <i>Anil Kumar Mahawar</i>
2.	Review of Accident Forecast Modeling of Oil and Gas Industries : A Research Proposal <i>Yogesh Mogal</i>
3.	Comparative Study Of Seismic Performance Of Fixed And Base Isolation Of Multi-Storey Building <i>Avinash Ingole</i>
4.	Comparative Study Of R.C.C And Steel-Concret Composit Multi-Storey Building Based On Sismic Analysis <i>Piyush Lohade</i>



## TECHNICAL SESSION- I (01.30 pm to 03.30 pm)

Hall 2

### EEE & ETC

1.	Prototype Of Autonomous Car Using Raspberry Pi <i>Mrs. Tiple Anjali Hemant</i>
2.	Electromagnetic Projectile Launcher <i>Mr. Prakash V. Gaikwad</i>
✓3.	Smart Medication Box for Memory Disorder Patients <i>Nikhil Dhamal</i>

## TECHNICAL SESSION- I (01.30 pm to 03.30 pm)

Hall -3

### CSE & IT

1.	Weblog analysis and identifying bot traffic using big data <i>Arjun R</i>
✓2.	Opinion Classification by Rating Prediction using Sentiment based Textual Review <i>Gitanjali Yadav</i>
✓3.	Vehicle Location Tracking and Control using Secured Wireless Networks <i>Mukund Wagh</i>

Tea Break

- (03.00 pm to 03.15 pm)

## TECHNICAL SESSION- II (03.15 pm to 05.00 pm)

Hall 1

### Mech & Civil Engineering

✓1.	A Review on Advance Cooling Of Radiators by Using Nanofluids <i>Roheshkumar Lavate</i>
✓2.	One Dimensional Study of Calcium Distribution in a Hepatocyte cell In presence of Buffer by Finite Volume Model <i>Yogita Jagtap</i>
3.	Analysis And Design Of Four Legged 400kv Multi-Circuit Transmission Line Tower With Different Bracing Systems <i>Yashodeep Borse</i>





## TECHNICAL SESSION- II (03.15 pm to 05.00 pm)

Hall - 2

### EEE & ETC

1.	GNU Radio-USRP- MATLAB based Laboratory set-up for Digital Modulation Schemes <i>Shivani Sharma</i>
2.	Simulation and Implementation of MIMO-OFDM System with STBC using GNU Radio and USRP <i>Mudassar Naikwadi</i>
3.	Analysis Of Parking Guidance System Using Raspberry Pi <i>Mrs. Tiple Anjali Hemant</i>
4.	Design of Low Cost Human Body Parameters Measuring Device <i>Ankita Patane</i>

## TECHNICAL SESSION- II (03.15 pm to 05.00 pm)

Hall - 3

### Management

1.	Lets Join The Hands And Go Green For Mother Nature <i>Pranjal Rohilla</i>
2.	Synthesis of Stable ZnO Quantum Dots by a Simple Hydrolysis and Condensation Method <i>Muttanagoud Kalasad</i>
3.	One Dimensional Study of Calcium Distribution in a Hepatocyte cell In presence of Buffer by Finite Volume Model <i>Yogita Jagtap</i>



DAY 2: 21/04/2018

Registration - (09.30 am to 10.00 am)

## TECHNICAL SESSION- III (10.00 am to 11.30 am)

Hall - 1

### Mech & Civil

1.	Experimental Investigation of Performance and Emission Testing of Sea Mango Seeds Oil Biodiesel in CI Engine <i>SUMOD PAWAR</i>
2.	Design Modeling and Experimentation of Linear Motion Transducer by Using Flexural Bearing. <i>Chetan Gaikwad</i>
3.	Stress Analysis of V-Stirrer Blade Made For Conical Agitation for MDF. <i>Dattatraya Misal</i>
4.	The Reinforcement of Carbon Nanotubes in Epoxy-based CFRP Composites <i>Nilesh Bagul</i>
5.	Carbon Nanotubes: A Review on Synthesis, Properties and Applications <i>Deepak More</i>
6.	Partial Replacement Of Coarse Aggregate With Electronic Waste In Rigid Pavement <i>GANESH KAPARE</i>

## TECHNICAL SESSION- III (10.00 am to 11.30 am)

Hall - 2

### EEE & ETC

1.	Detection and Classification of soybean leaf diseases using K-means Clustering <i>sachin Jadhav</i>
2.	Spectrum Occupancy Measurement and Analysis of Cellular Networks in India <i>Sachin Garkal</i>



3.	Smart Industry Based Environment Monitoring And Conrolling System <i>Kranti Kadam</i>
4.	Testing Machine Of Metal Can Coating By Using Arm7 Processor <i>Sonali Nigade</i>

## TECHNICAL SESSION- III (10.00 am to 11.30 am)

Hall-3

### CSE & IT

✓ 1.	Combined Approach For Masquerade Detection Using Behavior Profiling And Decoys <i>Mayuri More</i>
✓ 2.	A Contrasting Survey on Resource Scheduling Algorithm in Cloud Computing <i>Sneha Bhat</i>
✓ 3.	IOT Based Smart Garbage Bin Alert System <i>Ravi B. Nangre</i>

Tea Break

- (11.30 am to 11.45 am)

## TECHNICAL SESSION- IV (11.45 am to 01.00 pm)

Hall-1

### Mech & Civil

✓ 1.	Automatic Food Feeding Machine <i>Dattatraya Misal</i>
2.	Review on Advance towed Artillery Gun System <i>OMKAR GIRAME</i>
3.	Aerodynamic Analysis of Cascade Fin at Supersonic Speed <i>Sudharsan B</i>
✓ 4.	Performance of Microbial Fuel Cell with Clayware Wall Separation Subjected to Variation in Area of Separation, Permeability, Temperature <i>Gorakhanath Jadhav</i>
✓ 5.	Advancement in an Engineered Cementious Concrete <i>Aparna Shelke</i>
✓ 6.	Retrofitting of Existing Structure with CFRP by using Pushover Analysis <i>Shital Salunkhe</i>



## TECHNICAL SESSION- IV (11.45 am to 01.00 pm)

Hall-2

### EEE & ETC

1.	Design Of Petrol Supply System By Using Licence And Biometric Module <i>Jyotsana Vare</i>
2.	Review on Software-Defined Wireless Sensor Networks (SDWSN) and its Challenges. <i>Tanuja zende</i>
3.	Online chatting System for College Enquiry using Knowledgeable Database <i>Pooja Bathe</i>
4.	Semiautonomous Underwater Monitoring System <i>Avinash Jadhav</i>

## TECHNICAL SESSION- IV (11.45 am to 01.00 pm)

Hall-3

### CSE & IT

1.	Product Recommendation From Textual Reviews Using Hybrid Filtering Approach <i>Sunil M. Jadhav</i>
2.	Survey on security and privacy of cloud <i>Nandkishor Karlekar</i>
3.	Cyberbullying Detection & Prevention For Social Media Using Data Mining <i>Ravi Nangre</i>

Lunch Break

- (01.00 pm to 01.30 pm)



## TECHNICAL SESSION- V (01.30 pm to 04.00 pm)

Hall-1

### Mech & Civil

1.	Comparative Analysis of R.C.C And Steel-Concrete Composite Residential Building Frame <i>Ananta Boke</i>
2.	Behaviour of Transfer Girder For Different Shear Wall Locations <i>Vikas Mehetre</i>
3.	Review on Underwater Missile Technology <i>Omkar Girame</i>
4.	Numerical Analysis of Impact of Altering Leading Edge of Cascade Fins in Supersonic Flight <i>C Dinesh Prabhu</i>
5.	A comprehensive review on natural fiber reinforced polymer composites <i>Dharmender Sharma</i>
6.	Review on Free Piston Engine <i>Omkar Girame</i>

## TECHNICAL SESSION- V (01.30 pm to 04.00 pm)

Hall-2

### EEE & ETC

1.	Design and Implementation Of User Configurable Industrial Human Machine Interface (HMI) <i>Sachin Boke</i>
2.	Skeleton Tracking Using Microsoft Kinect For Windows on MATLAB <i>Ayushi Prajapati</i>
3.	Performance of a Three-phase Induction Motor against Unbalanced Voltage Operation <i>Vishal Pansare</i>



# TECHNICAL SESSION- V (01.30 pm to 04.00 pm)

Hall-3

## CSE & IT

1.	Improved Zone Based Routing Protocol For MANET. <i>Supriya Theurkar</i>
2.	Smart Phone Based Hazard Reporting System <i>Harshal Pawar</i>

04.00 pm to 05.30 pm

Certificate Distribution & Award Ceremony



# REGISTRATION

20/4/18

+3

S.No	Author Name	Title	Sign
1.	Ayushi Prajapati	Skeleton Tracking Using Microsoft Kinect For Windows on MATLAB	<i>[Signature]</i>
2.	Vishal Pansare	Performance of a Three-phase Induction Motor against Unbalanced Voltage Operation	
3.	DHARMENDER SHARMA	A comprehensive review on natural fiber reinforced polymer composites/mech	
4.	C Dinesh Prabhu	Numerical Analysis of Impact of Altering Leading Edge of Cascade Fins in Supersonic Flight	
5.	Sudharsan B	Aerodynamic Analysis of Cascade Fin at Supersonic Speed	
6.	Anil Kumar Mahawar	Modular Machine Technology in Manufacturing Industries: A Review	
7.	Pranjal Rohilla	LETS JOIN THE HANDS AND GO GREEN FOR MOTHER NATURE	
8.	Yogesh Mogal	Review of Accident Forecast Modeling of Oil and Gas Industries : A Research Proposal '	<i>[Signature]</i>
9.	Dattatraya Jagtap	A Secure Text or Image Transmission Using Digital Watermarking	
✓10.	ROHESHKUMAR LAVATE	A Review on Advance Cooling Of Radiators by Using Nanofluids	<i>[Signature]</i>
11.	AVINASH INGOLE	COMPARATIVE STUDY OF SEISMIC PERFORMANCE OF FIXED AND BASE ISOLATION OF MULTI-STOREY BUILDING	
12.	PIYUSH LOHADE	COMPARATIVE STUDY OF R.C.C AND STEEL-CONCRET COMPOSIT MULTI-STOREY BUILDING BASED ON SSMIC ANALYSIS	
13.	Arjun R	Weblog analysis and identifying bot traffic using big data	
14.	Mrs. Tiple Anjali Hemant	PROTOTYPE OF AUTONOMOUS CAR USING RASPBERRY PI	
15.	Mr. Prakash V. Gaikwad	Electromagnetic Projectile Launcher/etc	
16.	Yashodeep Borse	ANALYSIS AND DESIGN OF FOUR LEGGED 400kV MULTI-CIRCUIT TRANSMISSION LINE TOWER WITH DIFFERENT BRACING SYSTEMS	
17.	Shivani Sharma	GNU Radio-USRP- MATLAB based Laboratory set-up for Digital Modulation Schemes	<i>[Signature]</i>
18.	Mudassar Naikwadi	Simulation and Implementation of MIMO-OFDM System with STBC using GNU Radio and USRP	<i>[Signature]</i>
19.	Gitanjali Yadav	Opinion Classification by Rating Prediction using Sentiment based Textual Review	<i>[Signature]</i>
20.	Muttanagoud Kalasad	Synthesis of Stable ZnO Quantum Dots by a Simple Hydrolysis and Condensation Method	
21.	Mukund Wagh	Vehicle Location Tracking and Control using Secured Wireless Networks	
22.	Mayuri More	Combined Approach For Masquerade Detection Using Behavior Profiling And Decoys	<i>[Signature]</i>
23.	Mrs. Tiple Anjali Hemant	ANALYSIS OF PARKING GUIDANCE SYSTEM USING RASPBERRY PI	
24.	Sneha Bhat	A Contrasting Survey on Resource Scheduling Algorithm in Cloud Computing	<i>[Signature]</i>
25.	Ravi B. Nangre	IOT Based Smart Garbage Bin Alert System	<i>[Signature]</i>
26.	Sunil M. Jadhav	PRODUCT RECOMMENDATION FROM TEXTUAL REVIEWS USING	<i>[Signature]</i>

+1

+1

+1



		HYBRID FILTERING APPROACH	
1+	27.	Yogita Jagtap One Dimensional Study of Calcium Distribution in a Hepatocyte cell In presence of Buffer by Finite Volume Model	<i>[Signature]</i>
3+	28.	Ankita Patane Design of Low Cost Human Body Parameters Measuring Device	<i>[Signature]</i>
✓	29.	SUMOD PAWAR Experimental Investigation of Performance and Emission Testing of Sea Mango Seeds Oil Biodiesel in CI Engine	<i>[Signature]</i> Maskelekar
3+	30.	Nikhil Dhamal Smart Medication Box for Memory Disorder Patients	<i>[Signature]</i>
2+	31.	APARNA SHELKE Advancement in an Engineered Cementious Concrete	<i>[Signature]</i>
	32.	Chetan Gaikwad Design Modeling and Experimentation of Linear Motion Transducer by Using Flexural Bearing. ✓	<i>[Signature]</i>
	33.	Nandkishor Karlekar Survey on security and privacy of cloud	
	34.	sachin Jadhav Detection and Classification of soybean leaf diseases using K-means Clustering	
	35.	Dattatraya Misal Stress Analysis of V-Stirrer Blade Made For Conical Agitation for MDF.	
	36.	Nilesh Bagul The Reinforcement of Carbon Nanotubes in Epoxy-based CFRP Composites	<i>[Signature]</i>
2+	37.	SHITAL SALUNKHE Retrofitting of Existing Structure with CFRP by using Pushover Analysis	<i>[Signature]</i>
	38.	Deepak More Carbon Nanotubes: A Review on Synthesis, Properties and Applications	<i>[Signature]</i>
	39.	Ananta Boke/civil Comparative Analysis of R.C.C And Steel-Concrete Composite Residential Building Frame	<i>[Signature]</i>
	40.	Sachin Garkal Spectrum Occupancy Measurement and Analysis of Cellular Networks in India	<i>[Signature]</i>
	41.	GANESH KAPARE PARTIAL REPLACEMENT OF COARSE AGGREGATE WITH ELECTRONIC WASTE IN RIGID PAVEMENT	<i>[Signature]</i>
	42.	Sachin Boke DESIGN AND IMPLEMENTATION OF USER CONFIGURABLE INDUSTRIAL HUMAN MACHINE INTERFACE (HMI)	<i>[Signature]</i>
	43.	Vikas Mehetre Behaviour of Transfer Girder For Different Shear Wall Locations	<i>[Signature]</i>
	44.	Kranti Kadam SMART INDUSTRY BASED ENVIRONMENT MONITORING and CONROLLING SYSTEM	<i>[Signature]</i>
	45.	Sonali Nigade TESTING MACHINE OF METAL CAN COATING BY USING ARM7 PROCESSOR	<i>[Signature]</i>
	46.	Jyotsana Vare DESIGN OF PETROL SUPPLY SYSTEM BY USING LICENCE AND BIOMETRIC MODULE	<i>[Signature]</i>
2+	47.	Ravi Nangre 2 Cyberbullying Detection & Prevention For Social Media Using Data Mining	<i>[Signature]</i>
	48.	Tanuja zende Review on Software-Defined Wireless Sensor Networks (SDWSN) and its Challenges.	<i>[Signature]</i>
3+	49.	Supriya Theurkar Improved Zone Based Routing Protocol For MANET.	<i>[Signature]</i>
3+	50.	Pooja Bathe Online chatting System for College Enquiry using Knowledgeable Database	<i>[Signature]</i>
	51.	Avinash Jadhav Semiautonomous Underwater Monitoring System	<i>[Signature]</i>
	52.	DATTATRAYA MISAL 2 Automatic Food Feeding Machine	<i>[Signature]</i>
3+	53.	OMKAR GIRAME Review on Advance towed Artillery Gun System	<i>[Signature]</i>





+3	54.	OMKAR GIRAME	Review on Underwater Missile Technology	Khalid S.D
+3	55.	OMKAR GIRAME	Review on Free Piston Engine	Abid.
+2	56.	Harshal Pawar	Smart Phone Based Hazard Reporting System	Waseem
	57.	Gorakhanath Jadhav	Performance of Microbial Fuel Cell with Clayware Wall Separation Subjected to Variation in Area of Separation, Permeability, Temperature	
3+	58.	M.P. Shalimath Nashi	Intelligent Vehicle Parking Allocation System.	Shalimath
3+	59.	Poochi Aswathkar	Design & implementation of smart helmet for coal mining using wireless sensor network.	Aswathkar





Electrical, ETC Camp



2nd International Conference on Applied Sciences, Engineering, Technology and Management (ICASET M -2018)

20 th - 21 st April, 2018

Organized by:

Rajgad Dnyanpeeths Technical Campus,  
Shri Chhtrapati Shivajiraje College of Engineering  
and

Institute For Engineering Research and Publication(IFERP)

Sr. No.	Department of the Presenter(s)	Name of the Presenter(s)	Title of the Paper	Signature
1.2	Computer	Mayuri More Mangesh More	Combined Approach for Maszrade detection	
2	computer	Pramita Roman	Improved zone based routing protocol for MANET	
3	Computer	Batthe pooja prashant	online chatting system for college enquiry using knowledge base	
4	Computer	Kamthe chaitali Rajendra	cyberbullying detection & prevention using determining algo. for social media	
5	EhTC	Abstrurf T.S.Zende	A Review on SDWSN	



35

Sr. No.	Department of the Presenter(s)	Name of the Presenter(s)	Title of the Paper	Signature
27. 63	Computers.	Manoj Jagtap- Meyuri Satekar	Smart Phone App for Based hazard problem	MBSule
14	computer	Sunil M. Jadhav Rajeshkr R.	Product Recommendation Hybrid Filtering	dash
8)	ENTC	Geetika Pisal	GPU based - ERP-matrix based laboratory set up for digital modulation	G.M.S.
34	Computer	Ravi B. Mangre	IoT Based Smart Garbage Bin Alert System	Ravi
3 + 10)	Mechanics	Hemant V. Kadam	Review on Advance Towed Artillery Gun system	Hemant
34	Mechanical	Suvarna D. Khatal	Review on underwater Missile Technology	khatal.S.D.
3 + 12)	Mechanical	Ashvini B. Sayambar	Review on Free Piston engine.	Ashvini.
2 + 13.	Electrical and Electronics	Ayushi P. Prajapati	Skeleton linking using Microsoft Kinect for Windows on MATLAB	Ayushi
24	Civil	Aparna A. Shelke	Advancement in ECC	Aparna
24 15	Civil	Saumik Shital	Rehabilitation of existing beams structure with CFRP by using Pushover analysis	Shital





2nd International Conference on Applied Sciences, Engineering, Technology and Management (ICASETM -2018)

20 th - 21 st April, 2018

Organized by:

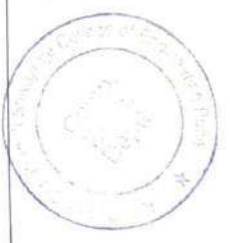
Rajgad Dnyanpeeths Technical Campus,  
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and

Institute For Engineering Research and Publication(IFERP)

Sr. No.	Department of the Presenter(s)	Name of the Presenter(s)	Title of the Paper	Signature
16	Mathematics.	Yogita Jagtap.	One dimensional study of calcium distribution in hepatocyte cell in presence of buffer.	
17.	Computer.	M.P. Shalimath Nasli	Intelligent Vehicle Parking Allocation System.	
18	Computer	Vyankatesh Kulkarni	A Contrasting Survey on Resource Scheduling Algorithm on cloud Computing	
19	Etc.	Yadav Yogesh S.	Design of low cost Human body para. para. device.	
20	Etc	Dhamej Nikhij G.	Smart Medication box for Memory Dioxidee Patients	



Sr. No.	Department of the Presenter(s)	Name of the Presenter(s)	Title of the Paper	Signature
21	ENTC	Asolekar Prachi Dilip	Design & implementation of smart helmet using wireless sensor network	
22	Mech	C. S. Gaikwad	Design modeling of Exp. of L.M. Formedant by using F. beaming	
23	Mech.	D. A. More	Carbon Nanotubes: A review on synthesis, properties & App.	
24	EFTC	A. D. Landage	Smart industry based environment monitoring	
25	E&TC	S. P. Nigade	Machine device for testing coating of metal can	
26	Civil	A. S. Boke	Comparative Analysis of steel concrete composite beam	
27	Civil	S. D. Karpore	Transpiration Enzym.	
28	E. & T. C.	S. A. Boke	Design & Implementation of fiber optic cable	
29	Civil	G. S. Jadhav	Performance of Microbial fuel cell with.	
30	Mech	V. S. Ahire	Experiment & investigation of performance of emission of Sc. Mega Biochemical C-I Engine.	





Civil & Mech



2nd International Conference on Applied Sciences, Engineering, Technology and Management (ICASET M -2018)

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and

Institute For Engineering Research and Publication(IFERP)

Sr. No.	Department of the Presenter(s)	Name of the Presenter(s)	Title of the Paper	Signature
31	E&TC	Nare Jyotsana	Design of petrol supply system using Licence & Biometric module	
32	BE mech	Shinde Akash	Automechic Animar food feed mic	
33	Mechanical	Amruta Sonawane	The Reinforcement of CNTs in EFRP composites	
34	E&TC	Gauri Pandit	Simulation & implementation of MIMO of DM	
35	Mechanical	Prof R.S. Lavate	A Review of advance cooling system of radiator by using Nanofluids	



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**Dr. Bhagyashree s. Patil**  
Hon. secretary

**Anantrao Thopte**  
Founder President  
Ex. Education Minister  
Maharashtra State



Date: - 21<sup>st</sup> April 2018

To,  
Dr. P. R. Futane  
Pimpri Chinchwad College of Engineering,  
Pune.

Subject: - Letter of Appreciation.

Dear Sir,

This is an appreciation for your valuable time and providing as a Guest Speaker for International Conference on Applied Sciences, Engineering, Technology and Management (ICASETM -2018) held on 20<sup>th</sup> & 21<sup>st</sup> April 2018 at our Institute.

We look forward for your cooperation for promotion of professional education and similar activities in the future as well.

Warm Regards.

Prof. M. B. Wagh

Convener (ICASETM-18)



Dr. S. B. Patil

**Principal**  
**Principal**

Rajgad Dnyanpeeth's  
Shri Chhatrapati Shivajiraje College of Engg.,  
Dhangawadi, Pune-412206

Received  
Futane  
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Hon. secretary

**Anantrao Thopte**  
Founder President  
Ex. Education Minister  
Maharashtra State



Date:- 21<sup>st</sup> April 2018

To,  
Dr. S. T. Patil  
D. Y. Patil College of Engineering,  
Pune.

Subject: - Letter of Appreciation.

Dear Sir,

This is an appreciation for your valuable time and providing as a Guest Speaker for International Conference on Applied Sciences, Engineering, Technology and Management (ICASETM -2018) held on 20<sup>th</sup> & 21<sup>st</sup> April 2018 at our Institute.

We look forward for your cooperation for promotion of professional education and similar activities in the future as well.

Warm Regards.

  
Prof. M. B. Wagh

Convener (ICASETM-18)

  
Dr. S. B. Patil

Principal  
Principal

Rajgad Dnyanpeeth's  
Shri Chhatrapati Shivajiraje College of Engg.  
Dhanganwadi, Pune - 412206

  
21/4/18  
Recd





# Shri Chhatrapati Shivajiraje College of Engineering

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To,  
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Dhangawadi, Pune-412206



Received  
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Management (ICASETEM - 2018)



20<sup>th</sup> & 21<sup>st</sup> April - 2018, Pune, Maharashtra

**Yogita Jagtap**

S. V. National Institute Of Technology, Surat, Gujarat

*One Dimensional Study of Calcium Distribution in a Hepatocyte cell In presence of Buffer by Finite*

*Volume Model*

Applied Sciences, Engineering, Technology and Management (ICASETEM -2018) "holder Rajgad Dnyanpeeths Technical Campus, Pune, Maharashtra  
on 20<sup>th</sup> & 21<sup>st</sup> April, 2018.

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Director, IFERP

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Computer Engineering,  
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**Dr. S. B. Patil**  
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20<sup>th</sup> & 21<sup>st</sup> April - 2018, Pune, Maharashtra

M. Wagh

This is to certify that

Performance of Microbial Fuel Cell with Clayware Wall Separation Subjected to Variation in Area of Separation, Permeability, Temperature

research paper titled

*Rajgad Dnyanpeeth Technical Campus, Shri Chhatrapati Shivaji-raje College of Engineering,*

*Dnyanpeeth*

*during the 2<sup>nd</sup> International Conference on*

Applied Sciences, Engineering, Technology and Management (ICASETM -2018)" held at Rajgad Dnyanpeeths Technical Campus, Pune, Maharashtra  
on 20<sup>th</sup> & 21<sup>st</sup> April, 2018.

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*M. Wagh*

*Dr. S. B. Patil*

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**R. R. Fulari**

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Performance of Microbial Fuel Cell with Clayware Wall Separation Subjected to Variation in Area of Separation, Permeability, Temperature, presented his/her  
research paper titled .....  
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This is to certify that .....

**R. J. Raut**

Performance of Microbial Fuel Cell with Clayware Wall Separation Subjected to Variation in Area of Separation, Permeability, Temperature sent his/her

research paper titled .....

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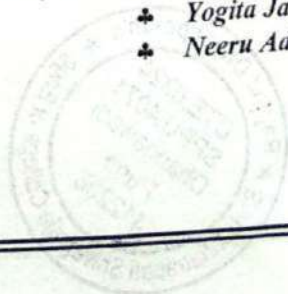
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# 2<sup>nd</sup> International Conference on Applied Sciences, Engineering, Technology and Management

Pune, Maharashtra, 20<sup>th</sup> - 21<sup>st</sup> April 2018

## Modular Machine Technology in Manufacturing Industries: A Review

**Anil Kumar Mahawar.**, Research Scholar, Department of Mechanical Engineering, YMCA University of Science & Technology,  
Faridabad, Haryana

**Dr. Vasdev Malhotra.**, Associate Professor, Department of Mechanical Engineering, YMCA University of Science & Technology,  
Faridabad, Haryana

### **Abstract:--**

The idea of modularity has gained acceptance due to mass customization and the need for shorter development time in manufacturing. Modularity is a general concept, and many engineering problems can be generalized under the umbrella of modularity. Numerous studies have been carried out on modularity-relevant issues; however, systematic classification has not been discussed for modularity in terms of its applications and methodologies for developing modularity in systems. This review paper is based on modularity applications, issues in modular design, and design methodologies. It provides a general framework for further systematic development of modularity in systems.

### **Keywords:--**

Design methodology; Modular design; Modularity; Modularity application;



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# 2<sup>nd</sup> International Conference on Applied Sciences, Engineering, Technology and Management

Pune, Maharashtra, 20<sup>th</sup> - 21<sup>st</sup> April 2018

## Weblog Analysis and Identifying Bot Traffic Using Big Data

**Jinu Shibu.,** Department of Information Technology, SRM Institute of Science and Technology

**N Arivazhagan.,** Department of Information Technology, SRM Institute of Science and Technology

**Vineeth Thomas.,** Department of Information Technology, SRM Institute of Science and Technology

**Arjun R.,** Department of Information Technology, SRM Institute of Science and Technology

### *Abstract:--*

Spiders are small web programs that harvest information for search engines. These spiders track the websites. In some ways, these are good by quickly showing up the websites. These programs follow certain links on the web and gather information. Like the good spiders, bad spiders also exist and are known as spam spiders. Bad spiders attempt to harvest one's email address. Some spiders may not work efficiently and run in endless loops which are built by dynamically created web pages. So in this project, we try to identify the bad spam spiders present in the webpages and try to eradicate them. And also we minimize the bot traffic. This idea was firstly proposed by Google namely Google Analytics. Proposed methodology used in preprocessing of the huge volume of web log files and finding the statics of website and learning the user behavior.



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RAJGAD DNYANPEETH'S TECHNICAL CAMPUS, SCSCOE, DHANGAWADI, TAL: BHOR,  
DIST: PUNE (MAHARASHTRA)

## PATRONS:

**Hon'ble Anantrao Thopte**  
President (RDTC), Former Education  
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**Hon'ble Sangramdada Thopte**  
Trustee (RDTC), MLA (M.S.)

**Hon'ble Bhagyshree S. Patil**  
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Chief Editor, AES Journal

## CONVENOR:

Prof. (Dr.) S.B.Patil  
Principal, RDTC, SCSCOE

## CO- CONVENOR

Prof. S. K. Pawar  
HOD, Mech. Engg, SCSCOE

## ORGANISING COMMITTEE

Prof. T.M. Dudhane, Prof. G.S.Jadhav  
Prof. J.G.Kale, Prof. B.D. Thorat,  
Prof.M.S.Sapte, Prof. J.P. Borude



## 1. INTRODUCTION

Rajgad Dnyanpeeth established in 1972 by Hon'ble Anantrao Thopte with wider object of bringing about intellectual awakening and transformation in education, economics, cultural and social field in Maharashtra. Rajgad Dnyanpeeth basically provide education to the student's right from primary level to the post graduate & Ph.D. level in general discipline also professional courses in Pharmacy (D. Pharm, B. Pharm & M. Pharm), Computer Science (B.C.S. & M.C.S.) Agricultural, Education (D. Ed, B. Ed, M. Ed. & M. Phil.) and Management. in 2009, Rajgad Dnyanpeeth' established Shri Chhatrapati Shivajiraje College of Engineering. Shri Chhatrapati Shivajiraje College of Engineering caters to four disciplines Computer, Electronics and telecommunication, Civil and Mechanical Engineering. The Institute is affiliated to Savitribai Phule Pune University (SPPU). Rajgad Dnyanpeeth's also caters Shri Chhatrapati Sambhajiraje Polytechnic which is affiliated to Maharashtra state board of technical education (MSBTE).

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The institute has been always supporting research and innovative activity. Institute headed by our Respective Principal sir Dr. S.B.Patil has taken initiative and planned for the Project competition and conference each year. Basic objective behind this is to motivate Undergraduate students, Academicians, Research scholars towards research. National Conference aims to bring together leading academic scientists, researchers and research scholars to exchange and share their experiences and research results about all aspects of Emerging Trends in Engineering and Technology. It also provides the premier interdisciplinary and multidisciplinary forum for researchers, practitioners and educators to present and discuss the most recent innovations, trends, and concerns, practical challenges encountered and the solutions adopted in the field of Emerging Trends in Engineering and Technology. trends, and concerns, practical challenges encountered and the solutions adopted in the field of Emerging Trends in Engineering and Technology.



## 2. CALL FOR SUBMISSION

Papers from UG -PG - Ph.D. Students, faculty members, scientists, researchers and research scholars in following disciplines and interdisciplinary are invited. Disciplines (not limited to):

### Track 1: E&TC/COMP/IT/ELEX/INSTRU

1. VLSI Design/ Signal & Image Processing
2. Optical Communication & Networks
3. Microwave Engineering/ Antennas
4. Wireless/ Mobile Communication /RF Comm.
5. Embedded & Real Time Systems
6. Robotics & Automation Systems
7. Power Electronics and Devices
8. MEMS/ Nanotechnology
9. Computer Network & Securities
10. Artificial Intelligence/ Soft Computing
11. Computer Graphics & Multimedia
12. Biomedical Instrumentation
13. Cloud Computing/Wireless Sensor Network
14. Cognitive Radio
15. Data Mining & Data Warehousing

### Track 2: MECH/PROD/CIVIL/CHEM

1. Thermal Engineering/ Refrigeration System
2. Computational Fluid Dynamics
3. CAD/CAM/CIM
4. Green Engineering/Green Manufacturing
5. Design for excellence
6. GIS/GPS and Remote Sensing
7. Environmental Pollution- Prevention
8. Soil Structure Interaction
9. Concrete technology
10. Structural Health Monitoring



### 3. INAGURATION OF THE FUNCTION

National conference 2017 started with inaugural function which was honored by Patron Shri. Sangramdada Anantrao Thopte, Trustee , Rajgad Dnyanppeth , Mrs. Bhagyshritai Patil , Secretary, Rajgad Dnyanppeth , Keynote speaker Dr. Abhay A. Pawar, Principal, D.Y.Patil College of Engineering , Ambi ,Pune , Dr.S.B. Patil, Principal Rajgad Dnyanpeeth's Shri Chhatrapati Shivajiraje College of Engineering, Prof. Lalit Pawar, O.S.D. , Pune University. The conference was launched with the warm welcome of Head of E&TC Engineering Prof. T.M.Dudhane and Principal, Dr. S.B.Patil, Shri Chhatrapati Shivajiraje College of Engineering. Principal of institute Prof. Dr. S.B.Patil gave an overview of the institute and emphasised objective of the conference.



Lightening the lamp during saraswati puja

### 4. FELICITATION & SPEECHES:

Prof.Dr. Abhay A. Pawar, Principal, D.Y.Patil College of Engineering, Ambi, Pune has been called as a Keynote speaker. Prof. Abhay A. Pawar and Prof. Lalit Pawar, Officer on Special Duty (O.S.D) was felicitated by Principal sir Dr. S. B. Patil





Felicitation of Guest Prof.Lalit Pawar



Felicitation of keynote speaker Prof. Abhay A. Pawar

Mr. Sangramdada Anantrao Thopte, Trustee, Rajgad Dnyanpeth motivated participants for more and more research work in their respective field. Patron gave motivating speech to the participants and ensured that institute will hold conference each year.







*Patron speaking in conference 2017*

Keynote Speaker Prof. Abhay A. Pawar delivered an amazing speech on the occasion. He shared his research tactics with examples in his PhD work. He emphasised an importance of research by the academicians and research scholar in order to achieve contribution to the national growth. He added advances in design and manufacturing in recent time. He also advised some areas of research to participants. All participants were pleased by the speech.

Votes of thanks were given by Prof. S.K.Pawar mentioning the valuable information from patron, guest and keynote speaker.

##### 5. ACHIEVMENT OF THE CONFERENCE

National Conference on Research, Design and Development in Engineering, Management and Science 2017 was a grand successful. Total 96 papers were published in the conference. We believe that it was proved big event which motivated and guided our Undergraduate students, Academicians, Research Scholars and all Participants toward research activity.

**Prof. Dr. S.B.Patil**

**Convener, NC-RDD-EMS-2017**



## CONFERENCE ATTENDANCE SHEET

2<sup>nd</sup> NATIONAL CONFERENCE ON RESEARCH, DESIGN AND DEVELOPMENT IN ENGINEERING, MANAGEMENT AND SCIENCES

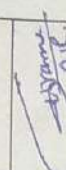
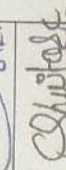
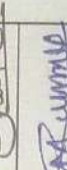
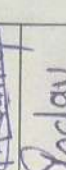
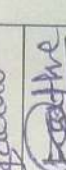

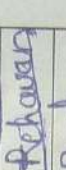
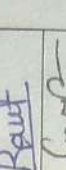


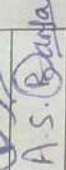


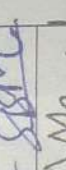
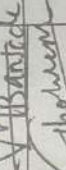
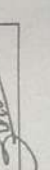
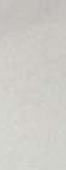
(NC-RDD-EMS-2017). Saturday, 18/03/2017.

ORGANISED BY: Rajgad Dnyanpeeth's Shri Chhatrapati Shivajiraje College of Engineering, Dhangawadi, Tal: Bor, Dist: Pune (Maharashtra)

IN ASSOCIATION WITH: AES journal in Engineering Technology & Management, Sangali.

Sr. No.	Author/Participant Name	Title of the Paper	Sign
01	A.S. BAKE, K.R. Suryavanshi	Comparative Study of RCC & Steel Concrete Composite	<i>A.S. BAKE</i>
02	Shital P. Salunkhe	Comparative Exp. Study on Cylindrical Comp. Strength.	<i>Shital P. Salunkhe</i>
03	Abhinavesh Parajpe	Eco-social Pavement	<i>Abhinavesh</i>
04	Akshay Memane	Intelligent building	<i>Memane</i>
05	Sayali V. Paygude	Review of Geotextile in Road Construction	<i>Paygude</i>
06	Vikas S. Pangare	medifide bernoullis Apparatus	<i>V. Pangare</i>
07	Heettra Maskerapur	Heat transfer and materials in cooking	<i>Heettra Maskerapur</i>
08	Abhijeet S. Babar.	Performance of Septic Tank For the Treatment.	<i>Abhijeet S. Babar</i>
09	Nikhil S. Kamble	Project Management: recent Developments and Research opportunities	<i>Nikhil S. Kamble</i>



Sr. No.	Author/Participant Name	Title of the Paper	Sign
10.	Omkar G. Girme	Production of pure methane Gas in Biogas	
11.	Chetan Shivtane	Pure Traffic Problems & Control Measures	
12.	Mijumle Sunny B.	Review of Constructed wetland for waste water treatment	
13.	S. V. Yadav	Seismic Design of reinforced Concrete Structure	
14.	Sol. Buthe Ketan	Solid Waste Management	
15.	S. V. Bankar	Comparative analysis of RCC & Steel Concrete	
16.	Rohit Chavan	Study of reactor configuration on Biogas Production	
17.	Vaibhav Reut	Study: The sustainable water management - Greywater	
18.	Suraj N. Patil	The utilization of crushed stone dust replac. sand in	
19.	Sangeetha K. L	Generation of Electricity by using foot steps	
20.	Devkate Pavaji S.	Biogas production using kitchen waste.	
21.	Atul S. Bansal	Project management: Recent development & oppor	
22.	Mohd. Arif Khan	Enhancing system security for unauthorized USB	
23.	Suyant S. Dentkar	Design of Circular welding postformer	
24.	S. B. Masuti	Analysis & validation of stress concentration on Flange	
25.	Vinod M. Bansode	Fatigue Analysis of welded joint	
26.	M. H. Gholke	PLC & SCADA Based colour mixing process	



Sr. No.	Author/Participant Name	Title of the Paper	Sign
27.	M.B. Bankar, S.K. Pawar	Design & development of Automatic pneumatic Bumper	
28.	P.P. Bhatne	Implementation of Agile methodologies in software	
29.	Tejaswini S. Galande	Virtual Mouse.	
30.	S.K. Pawar, Mishra Akhoy	Rice planting machine	
31.	Ashwini D. Awale	Automated Waste Separator	
32.	G. G. Machhale	Human facial gesture & voice command based desktop control	
33.	Vaishali Kanavade.	J.O.T. Cloud based year Quality monitoring wing	
34.	J.P. Borude, P.S. Lavate	mobile Application.	
35.	Amar S. Pawar.	Review of heat transfer Enhancement Techns	
36.	Karan Khar	Parameter base system for better field of Automatic Systems	
37.	R. Lokare	ARDUINO Based Door Control for Access.	
38.	Alisha M. Gawade	A Study of fingerprint Liveness Detection Technq	
39.	A.P. Sonawane, S.G. Banve	S-ZONE: A system for women safety & security sys	
40.	Suraj v. Dixit	Hyperloop Technology - The passenger transport system	
41.	C.R. Kamathe.	RASPBERRY-PI Based Anti-theft Security System with Image ID	
		Communication through li-fi Wireless technology	



Sr. No.	Author/Participant Name	Title of the Paper	Sign
42.	Roman Praveka D.	Software piracy through digitized rights management	
43.	A. Khatape	Securing ATM transactions	
44.	D. V. Dalvi	Wheel chair Control using Puff's tracking for handicapped.	
45.	Prachi Salunche	New techniques for load balancing & Deduplications.	
46.	Neha Vilas Oswal	Moisture monitoring system for dam construction	
47.	M. R. Bhise	App-Design and development of Pneumatic Power hacksaw Machine	
48.			
49.	Sunil M. Jadhav	Natural lang. database interface for select SQL query with probabilistic Context free grammar	
50.	Pallavi B. Lamkhane	Using thinary trees unsupervised web data extra	
51.	Tanpure Ganesh D.	Landmine detection Robotic vehicle with GPS pos	
52.	Kajal S. Ambhore	CISM based Girls Safety system	
53.	Trupti Alkhade	vehicle to vehicle communication protocol for Co-operative collision warning.	



Sr. No.	Author/Participant Name	Title of the Paper	Sign
54.	T. R. R. R. R.	An Intelligent Robot system for Spraying Pesticides	<del>Rafique</del>
55.	T. M. Dudhane	Handheld device based smart information system	<del>Tr. M. D.</del>
56.	L. M. Sagale	A Real Time Drowsiness detection system for Safedriving	<del>Sagale</del>
57.	S. M. Sonawane	Techniques on Image quality Assessment	<del>S.M.S.</del>
58.	Pavesh Chaudhari	Quality Assessment of flower on digital image process	<del>P. Chaudhari</del>
59.	Mrs. S. R. Sawade	A methodology for extracting standing human bodies from single images.	<del>SRS</del>
60.	Abhijeet Bhosale.	Intimation notice board & Energy Conservation system	<del>Bhosale</del>
61.	Raju Patil.	A review paper on optimization of metal inert gas welding on median carbon steel.	<del>Patil</del>
62.	P. K. Ingawade.	A review on solar Roadways	<del>Ingawade</del>
63.	Akshay Vetal.	Seat belt alert system with ignition control.	<del>A. Vetal</del>
64.	Akshay Rajje	Fuel Energizer - An Authentic way of Reducing fuel consumption	<del>A. Rajje</del>
65.	Prof. P. A. More	Automatic Air Suspension in car	<del>P. A. More</del>



**NATIONAL CONFERENCE ON RESEARCH, DESIGN AND DEVELOPMENT IN  
ENGINEERING, MANAGEMENT & SCIENCES  
ON 18 / 03 / 2017**

**ORGANISED BY**

**RAJGAD DNYANPEETH TECHNICAL CAMPUS**

(Shri Chhatrapati Shivajiraje College of Engineering)

Dhangawadi, Tal: Bhor, Dist: Pune (Maharashtra)

Website: [www.rajgad.edu.in](http://www.rajgad.edu.in) Email: [scscoe@gmail.com](mailto:scscoe@gmail.com)

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[www.aessangli.in](http://www.aessangli.in) , [www.ejournal.aessangli.in](http://www.ejournal.aessangli.in)



**CERTIFICATE OF PRESENTATION AND PUBLICATION**

This is to certify that the paper entitled Comparative Analysis of RCC & steel-concrete composite multistorey building was presented in the NATIONAL CONFERENCE ON RESEARCH, DESIGN AND DEVELOPMENT IN ENGINEERING, MANAGEMENT & SCIENCES (NC-RDD-EMS-2017) held on 18 /03/2017 at RAJGAD DNYANPEETH TECHNICAL CAMPUS (Shri Chhatrapati Shivajiraje College of Engineering) Dhangawadi, Tal: Bhor, Dist: Pune (Maharashtra).

The said paper will be published in "International Journals of AES Journals in Engg., Tech & Management " with ISSN No.& Impact Factor as per specialization.

The author of the paper is Mr. Jadhav Gokaknath S.

Co-Convener  
Prof. S. K. Pawar

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Prof. Dr. S. B. Patil

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This is to certify that the paper entitled Comparative Pushover Analysis of RCC, Steel & composite High Rise Building frame (G+11) By using Etabs.

was presented in the NATIONAL CONFERENCE ON RESEARCH, DESIGN AND DEVELOPMENT IN ENGINEERING, MANAGEMENT & SCIENCES (NC-RDD-EMS-2017) held on 18 /03/2017 at RAJGAD DNYANPEETH TECHNICAL CAMPUS (Shri Chhatrapati Shivajiraje College of Engineering) Dhangawadi, Tal: Bor, Dist: Pune (Maharashtra).

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The author of the paper is Mr. Sunil D. Rathod

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Patron  
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RAJGAD DNYANPEETH'S  
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Gat.No-237, Pune Banglore Highway, Dhangawadi, Tal-Bhor, Dist-Pune (Maharashtra)

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**National Conference on  
Research, Design and  
Development in  
Engineering,  
Management & Sciences-  
2016**

# CONFERENCE SUMMARY REPORT

NATIONAL CONFERENCE  
ON  
RESEARCH, DESIGN AND DEVELOPMENT IN ENGINEERING,  
MANAGEMENT AND SCIENCES  
(NC-RDD-EMS-2016)  
20/03/2016.



**Organized by**  
Rajgad Dnyanpeeth's Shri Chh.  
Shivajiraje College of Engg.



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**RDTC, SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING, DHANGAWADI,  
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**CO- CONVENOR**

Prof. V.L.Datir  
HOD, Mech. Engg, SCSCOE

**ORGANISING COMMITTEE**

Prof. T.M. Dudhane, Prof. G.S.Jadhav  
Prof. B.D. Thorat, Prof.M.S.Sapte.



## 1. INTRODUCTION :

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Our institute has been always supporting research and innovative activity. Institute headed by our Respective Principal sir Dr. S.B.Patil has taken initiative and planned for the Project competition and conference each year. Basic objective behind this is to motivate Undergraduate students, Academicians, Research scholars towards research. National Conference aims to bring together leading academic scientists, researchers and research scholars to exchange and share their experiences and research results about all aspects of Emerging Trends in Engineering and Technology. It also provides the premier interdisciplinary and multidisciplinary forum for researchers, practitioners and educators to present and discuss the most recent innovations, trends, and concerns, practical challenges encountered and the solutions adopted in the field of Emerging Trends in Engineering and Technology.

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## **2. CALL FOR SUBMISSION:**

Papers from Diploma, UG, PG, PHD Students, Faculty Members, Scientists, Researchers and Research Scholars in the following disciplines and interdisciplinary were invited.

- Mechanical Engineering
- Electrical Engineering
- Electronics and Tele communication Engineering
- Computer science Engineering
- Information Technology
- Civil Engineering
- Business management
- Computer Application
- Applied Sciences

We invited high quality submissions of papers describing original and unpublished results of conceptual, constructive, empirical, experimental or theoretical work in all area of Emerging trends in engineering, Technology, Management and sciences. The conference Solicits contribution of full length papers that addresses themes and topics for the conference. Submission that didn't comply with the instruction and size limits was rejected.

## **3. INAGURATION OF THE FUNCTION:**

National conference 2016 started with inaugural function which was honored by Patron Shri. Sangramdada Anantrao Thopte , Mrs. Bhagyshritai Patil , Keynote speaker Mr. Abhay M.Pendse, Dr.S.B. Patil ,Principal Shri Chhatrapati Shivajiraje College of Engineering, Mr. Popatrao Suke Patil, Founder , Navsahyadri Group of institute , Dr. Rajkumar Shete , Principal , Pharmacy College of Bor. The conference was launched with the warm welcome of Head of E&TC Engineering Prof. T.M.Dudhane and Principal, Dr. S.B.Patil, Shri Chhatrapati Shivajiraje College of Engineering. Principal of institute Prof. Dr. S.B.Patil presented an overview of the institute and emphasised objective of the conference.





**Lightening the candle during Saraswati Puja by patrons and Guests**

#### **4. SPEECHES IN CONFERENCE**

Mrs. Bhagyashritai Patil motivated participants for more and more research work in their respective field. Patron Mr. Sangramdada Anantrao Thopte gave motivating speech to the participants and ensured that institute will hold conference each year. Mr. Popatrao Suke Patil had Speech on this Occasion. He appreciated and praises the event.



**Prof. T.M.Dudhane welcome patron and Guests**





**Mrs. Bhagyashritai Patil, Hon. Secretary, RD's SCSCOE delivering Speech**

Keynote Speaker Mr. Abhay M. Pendse, Associate VP and Head, Lawkin Group had great speech on the occasion. Mr. Abhay M. Pendse Emphasised on advances in Design and Manufacturing. He delivered his thoughts on innovation, research and creativity with various examples that pleased all the participants.

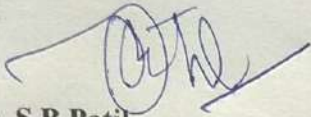


**Keynote Speaker delivering Speech on the occasion.**



## 5. ACHIEVMENT OF THE CONFERENCE 2016

National Conference on Research, Design and Development in Engineering, Management and Science 2016 was a grand successful. Total 379 papers were published in NC-RDD-EMS-2016. We believe that it was proved big event which motivated and guided our Undergraduate students, Academicians, Research Scholars and all Participants towards research activity.



**Prof. Dr. S.B.Patil**

**Convener, NC-RDD-EMS-2016**

**Principal**

Rajgad Dnyanpeeth's

**Shri Chhatrapati Shivajiraje College of Engg.,  
Dhangawadi, Pune-412206**





Rajgad Dnyanpeeth's

**SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING**

Gat No. 237, Pune Bangalore Highway, Dhangawadi, Tal – Bhor, Dist- Pune (Maharashtra)

Date: 02/02/2016

**Notice**

All staff of Rajgad Dnyanpeeth's Shri Chhatrapati Shivajiraje College of Engineering is hereby informed that our institute is organising “**National conference on Research, Design and Development in Engineering, Management and Sciences (NC-RDD-EMS-2016)**” on date 20<sup>th</sup> March. 2016. All accepted papers will be submitted in Amodhsiddhi Education Society (AES) Journal.

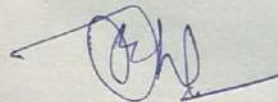
All head of departments are directed to guide and motivate your staff and final year students to submit papers for conference.

Kindly note last date of paper submission of full length paper along with registration form, Copyright Form and D.D. is 12<sup>th</sup> March.2016.

It is also informed to submit the Xerox copy of this notice to the concerned departments.



CC to,  
HOD Computer  
HOD Civil  
HOD E&TC  
HOD Mechanical  
HOD FE

  
Prof. (Dr.) S.B. Patil

**Principal**  
**Principal**  
Rajgad Dnyanpeeth's  
Shri Chhatrapati Shivajiraje College of Engg.  
Dhangawadi, Pune-412206

# Shri Chhatrapati Shivajiraje College of Engineering

Approved by AICTE, Govt of Maharashtra and Affiliated to the University of Pune (ID NO PU/PN/Engg/376/2009)

**Dr. Bhagyashree s. Patil**  
Hon. secretary

**Anantrao Thopte**  
Founder President  
Ex. Education Minister  
Maharashtra State



Date: 01/03/2016

## INVITATION LETTER

To,  
Prof. Dr. Y. P. Nerkar  
Dean Engineering,  
Savitribai Phule Pune University,  
Pune, Maharashtra.  
411007

**Subject:** Invitation as Chief Guest for NC-RDD-EMS-2016 on date 20<sup>th</sup> Mar. 2016.

Dear Sir,

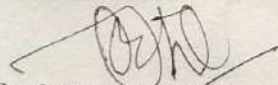
It gives us immense pleasure to announce that Rajgad Dnyanpeeth's Shri Chhatrapati Shivajiraje College of Engineering has organised National conference on research, design and development in engineering, management & sciences on date 20<sup>th</sup> March, 2016.

It gives us great pleasure to invite you as Chief Guest for National conference-2016.

Kindly accept this invitation and acknowledge the same.

Thanking You,

Yours Faithfully,

  
Prof. (Dr.) S. B. Patil

Principal, RD's, SCSCOE

Convener, NC-RDD-EMS-2016



*Received & Accepted*  
*Dontkar*

Rajgad Dnyanpeeth's  
**Shri Chhatrapati Shivajiraje College of Engineering**

Approved by AICTE, Govt of Maharashtra and Affiliated to the University of Pune (ID NO PU/PN/Engg/376/2009)

**Dr. Bhagyashree s. Patil**  
Hon. secretary

**Anantrao Thopte**  
Founder President  
Ex. Education Minister  
Maharashtra State



Date: 01/03/2016

**INVITATION LETTER**

To,  
Prof. Dr. D. S. Bormane,  
Director, Jaywant Sikshan Prasarak Mandal (JSPM),  
Pune, Maharashtra.

**Subject:** Invitation as a **Key note speaker** for **NC-RDD-EMS-2016** on date 20<sup>th</sup> Mar. 2016.

Dear Sir,

It gives us immense pleasure to announce that Rajgad Dnyanpeeth's Shri Chhatrapati Shivajiraje College of Engineering has organized National conference on research, design and development in engineering, management & sciences on date 20<sup>th</sup> March, 2016.

It gives us great pleasure to invite you as **Key note speaker** for National conference-2016.

Kindly accept this invitation and acknowledge the same.

Thanking You,

Yours Faithfully,

Prof. (Dr.) S. B. Patil

Principal, RD's, SCSCOE

Convener, NC-RDD-EMS-2016



*Accepted*  
*D. Bormane*

Rajgad Dnyanpeeth's

# Shri Chhatrapati Shivajiraje College of Engineering

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**Dr. Bhagyashree s. Patil**  
Hon. secretary

**Anantrao Thopte**  
Founder President  
Ex. Education Minister  
Maharashtra State



Date: 01/03/2016

## INVITATION LETTER

To,  
Prof. Dr. A. S. Padalkar,  
Principal, Flora Institute of Technology,  
Khopi, Tal: Haveli  
Dist: Pune, Maharashtra.

**Subject:** Invitation as a **Key note speaker** for NC-RDD-EMS-2016 on date 20<sup>th</sup> Mar. 2016

Dear Sir,

It gives us immense pleasure to announce that Rajgad Dnyanpeeth's Shri Chhatrapati Shivajiraje College of Engineering has organized National conference on research, design and development in engineering, management & sciences on date 20<sup>th</sup> March, 2016.

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Yours Faithfully,

Prof. (Dr.) S. B. Patil

Principal, RD's, SCSCOE

Convener, NC-RDD-EMS-2016



*Accepted*

Rajgad Dnyanpeeth's

# Shri Chhatrapati Shivajiraje College of Engineering

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Dr. Bhagyashree s. Patil  
Hon. secretary

Anantrao Thopte  
Founder President  
Ex. Education Minister  
Maharashtra State



Date: 01/03/2016

## INVITATION LETTER

To,  
Prof. Dr. S. N. Mali  
Sinhgad Institute of Technology (SIT),  
Narhe, Pune, Maharashtra.

**Subject:** Invitation as a **Key note speaker** for NC-RDD-EMS-2016 on date 20<sup>th</sup> Mar. 2016.

Dear Sir,

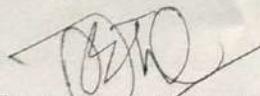
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Thanking You.

Yours Faithful

  
Prof. (Dr.) S. B. Patil

Principal, RDTTC, SCSCOE

Convener, NC-RDD-EMS-2016



*Sonali Accepted*

Rajgad Dnyanpeeth's

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Dr. Bhagyashree s. Patil  
Hon. secretary

Anantrao Thopte  
Founder President  
Ex. Education Minister  
Maharashtra State



Date: 01/03/2016

## INVITATION LETTER

To,  
Prof. Dr. S. N. Londhe  
VIT,  
Pune, Maharashtra.

Subject: Invitation as a **Key note speaker** for NC-RDD-EMS-2016 on date 20<sup>th</sup> Mar. 2016.

Dear Sir,

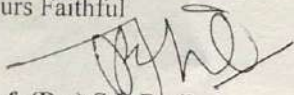
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Thanking You,

Yours Faithful

  
Prof. (Dr.) S.B. Patil

Principal, RDTC, SCSCOE

Convener, NC-RDD-EMS-2016



*Accepted*  
*SML*

Rajgad Dnyanpeeth's  
**Shri Chhatrapati Shivajiraje College of Engineering**

Approved by AICTE, Govt of Maharashtra and Affiliated to the University of Pune (ID NO PU/PN/Engg/376/2009)

**Dr. Bhagyashree s. Patil**  
Hon. secretary

**Anantrao Thopte**  
Founder President  
Ex. Education Minister  
Maharashtra State



Date: 01/03/2016

**INVITATION LETTER**

To,  
Prof. Dr. S.S. Patil  
Bharti Vidyapeeth College of Engineering,  
Kolhapur, Maharashtra

**Subject:** Invitation as a **Key note speaker** for NC-RDD-EMS-2016 on date 20<sup>th</sup> Mar. 2016.

Dear Sir,

It gives us immense pleasure to announce that RDTCS Shri Chhatrapati Shivajiraje College of Engineering has organised National conference on research, design and development in engineering, management & sciences on date 20<sup>th</sup> March, 2016.

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Kindly accept this invitation and acknowledge the same.

Thanking You,

Yours Faithful

Prof. (Dr.) S. B. Patil

Principal, RDTCS, SCSCOE

Convener, NC-RDD-EMS-2016



*Accepted*  
*Patil*

# Shri Chhatrapati Shivajiraje College of Engineering

Approved by AICTE, Govt of Maharashtra and Affiliated to the University of Pune (ID NO PU/PNI/Engg/376/2009)

Dr. Bhagyashree s. Patil  
Hon. secretary

Anantrao Thopte  
Founder President  
Ex. Education Minister  
Maharashtra State



Date: 01/03/2016

## INVITATION LETTER

To,  
Prof. J. A. Hole  
Jaywant Shikshan Prasarak Mandal (JSPM),  
Pune, Maharashtra.

Subject: Invitation as a session chair for NC-RDD-EMS-2016 on date 20<sup>th</sup> Mar. 2016.

Dear Sir,

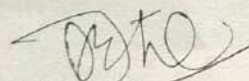
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Kindly accept this invitation and acknowledge the same.

Thanking You.

Yours Faithful

  
Prof. (Dr.) S. B. Patil

Principal, RDTC, SCSCOE

Convener, NC-RDD-EMS-2016



*accepted*  
*J.A.Hole*



# Shri Chhatrapati Shivajiraje College of Engineering

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Dr. Bhagyashree s. Patil  
Hon. secretary

Anantrao Thopte  
Founder President  
Ex. Education Minister  
Maharashtra State



Date: 01/03/2016

## INVITATION LETTER

To,  
Prof. Dr. P. N. Mahalle  
Sau. Kashibai Navale College of Engineering (SKN),  
Vadgaon, Pune, Maharashtra.  
411041

**Subject:** Invitation as a session chair for NC-RDD-EMS-2016 on date 20<sup>th</sup> Mar. 2016.

Dear Sir,

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Thanking You,

Yours Faithful

Prof. (Dr.) S. B. Patil

Principal, RDTC, SCSCOE

Convener, NC-RDD-EMS-2016



*Mahalle Accepted*

|| प्रज्ञानं ज्ञानमेव प्रादुर्भूत् ||  
Rajgad Dnyanpeeth's

# Shri Chhatrapati Shivajiraje College of Engineering

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Dr. Bhagyashree s. Patil  
Hon. secretary

Anantrao Thopte  
Founder President  
Ex. Education Minister  
Maharashtra State



Date: 01/03/2016

## INVITATION LETTER

To,  
Prof. S. P. Patil  
Karmyogi Engineering College (KEC),  
Solapur, Maharashtra.

**Subject:** Invitation as a session chair for NC-RDD-EMS-2016 on date 20<sup>th</sup> Mar. 2016.

Dear Sir,

It gives us immense pleasure to announce that RDTCs Shri Chhatrapati Shivajiraje College of Engineering has organised National conference 'on research, design and development in engineering, management & sciences on date 20<sup>th</sup> March, 2016.

It gives us great pleasure to invite you as **session chair** for National conference-2016.

Kindly accept this invitation and acknowledge the same.

Thanking You,

Yours Faithful

Prof. (Dr.) S. B. Patil

Principal, RDTC, SCSCOE

Convener, NC-RDD-EMS-2016

*Accepted & Reviewed  
S. Patil*



# Shri Chhatrapati Shivajiraje College of Engineering

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**Dr. Bhagyashree s. Patil**  
Hon. secretary

**Anantrao Thopte**  
Founder President  
Ex. Education Minister  
Maharashtra State



Date: 01/03/2016

## INVITATION LETTER

To,  
Prof. Dr. A. J. Gujar  
D. Y. Patil College of Engineering and Technology  
Kolhapur, Maharashtra

**Subject:** Invitation as a session chair for NC-RDD-EMS-2016 on date 20<sup>th</sup> Mar. 2016.

Dear Sir,

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Thanking You,

Yours Faithful

Prof. (Dr.) S. B. Patil

Principal, RDTC, SCSCOE

Convener, NC-RDD-EMS-2016



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**Dr. Bhagyashree s. Patil**  
Hon. secretary

**Anantrao Thopte**  
Founder President  
Ex. Education Minister  
Maharashtra State



Date: 01/03/2016

## INVITATION LETTER

To,  
Prof. Dr.M.S.Kumbhar  
Rajarambapu Institute of Technology,  
Sangli, Maharashtra

**Subject:** Invitation as a session chair for NC-RDD-EMS-2016 on date 20<sup>th</sup> Mar. 2016.

Dear Sir,

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Thanking You,

Yours Faithful

Prof. (Dr.) S. B. Patil

Principal, RDTC, SCSCOE

Convener, NC-RDD-EMS-2016



*Received*

# NATIONAL CONFERENCE ON RESEARCH, DESIGN AND DEVELOPMENT IN ENGINEERING, MANAGEMENT & SCIENCES

(NC-RDD-EMS-2016)  
March 20, 2016

Organized by



**RAJGAD DNYANPEETH TECHNICAL CAMPUS**

(Degree Engineering and Polytechnic)  
Dhangawadi, Tal: Bhor, Dist: Pune (Maharashtra)

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Venue

**RAJGAD DNYANPEETH TECHNICAL CAMPUS**  
(Degree Engineering and Polytechnic)

S. No. 237, Dhangawadi, Satara-Pune, NH-4, Tal: Bhor, Dist: Pune  
(Maharashtra),

## CONFERENCE OBJECTIVES

The **NC-RDD-EMS-2016**: National Conference aims to bring together leading academic scientists, researchers and research scholars to exchange and share their experiences and research results about all aspects of Emerging Trends in Engineering and Technology. It also provides the premier interdisciplinary and multidisciplinary forum for researchers, practitioners and educators to present and discuss the most recent innovations, trends, and concerns, practical challenges encountered and the solutions adopted in the field of Emerging Trends in Engineering and Technology.

## CALL FOR SUBMISSIONS

Papers from Diploma, UG -PG - Ph.D. STUDENTS, FACULTY MEMBERS, scientists, researchers and research scholars in following disciplines and interdisciplinary are invited

- Mechanical Engineering:
- Electrical Engineering:
- Electronics and Tele communication Engineering
- Computer Science Engineering
- Information Technology
- Civil Engineering
- Business management
- Computer application
- Applied Sciences

We encourage you to contribute to and help shape the conference through paper submissions. For the technical research track, we invite high quality submissions of papers describing original and unpublished results of conceptual, constructive, empirical, experimental, or theoretical work in all areas of Emerging Trends in Engineering, Technology, management and sciences. The conference solicits contributions of full-length papers, and posters and that address the themes and topics for the conference. Submissions that do not comply with the instructions and size limits will be rejected.



## ABOUT RAJGAD DNYANPEETH TECHNICAL CAMPUS

Rajgad Dnyanpeeth established in 1972 by Hon'ble Ananttrao Thopie with wider object of bringing about intellectual awakening and transformation in education, economics, cultural and social field in Maharashtra. Rajgad Dnyanpeeth basically provide education to the student's right from primary level to the post graduate & Ph.D. level in general discipline also professional courses in Pharmacy (D. Pharm, B. Pharm & M. Pharm), Computer Science (B.C.S. & M.C.S.) Agricultural, Education (D. Ed, B. Ed, M. Ed. & M. Phil.) and Management. Rajgad Dnyanpeeth Technical Campus is established in 2009. The Institute caters to four disciplines at UG and Diploma viz. Computer, Electronics and telecommunication, Civil and Mechanical Engineering. The Institute is affiliated to Savitribai Phule Pune University, Pune.

## ABOUT AES JOURNALS IN ENGINEERING, TECHNOLOGY & MANAGEMENT

AES Journals are open-access journals (Journals with ISSN & Impact Factors) publishing full-length research papers and review articles covering subjects that fall under the wide spectrum of Engineering, Technology and Management. The journals are dedicated towards dissemination of knowledge related to the advancement in scientific research. The prestigious interdisciplinary editorial board reflects the diversity of subjects covered. More details at [www.aessangli.in](http://www.aessangli.in), [www.ejournal.aessangli.in](http://www.ejournal.aessangli.in)



### CONFERENCE PROCEEDINGS

- All submitted conference papers will be blind peer reviewed by competent reviewers. Selected papers will be published in the AES e-Journals
- CD of proceedings and certificate of presentation will be distributed to the conference participants at the conference registration desk.

### GUIDELINES FOR PAPER SUBMISSION

- All papers should contain original unpublished work. Paper length not more than 10 pages.
- Follow A4, IEEE paper in MS-Word format.
- Send the papers to:  
[ncrddems2016@rajgad.edu.in](mailto:ncrddems2016@rajgad.edu.in),  
[ncrddems2016@rajgad.edu.in](mailto:ncrddems2016@rajgad.edu.in)

- For accepted papers it is mandatory that at least one author registers and presents the paper in the conference.

### REGISTRATION

- The registration fee is Rs. 750/- per participant. Registration fee is accepted online.
- Authors are informed to submit their papers along with registration form, COPYRIGHT form and D.D. towards registration, at Mailing Address
- Author is requested to write his/her Name, Paper Title and Contact Number on the back side of Demand Draft
- DD should be in favor of "Amoghshidhi Education Society" Sangli payable at Sangli 416415 (Maharashtra).

### IMPORTANT DATES

- Last Date For Submission Of Full Length Paper Along With Registration Form, COPYRIGHT Form And D.D. Towards Registration : 20 / 02 / 2016

### NOTIFICATION OF ACCEPTANCE:

WITHIN 04 DAYS FROM DATE OF COMPLETING PAPER SUBMISSION PROCESS BY AUTHOR

### PATRONS

- Hon'ble Anantrao Thopte  
President, Ex - Education Minister (M. S.)
- Hon'ble Sangramdada Thopte  
Trustee, MLA - Bhor-Velha-Mulshi
- Hon'ble Dr. Bhagyashree Patil  
Secretary, Rajgad Dnyanpeeth, Bhor (Pune).
- Dr. N. N. JANI, KSV UNIVERSITY, Gandhinagar, Gujarat
- Dr. G. R. KULKARNI, Principal, KITRC KALOL - GUJARAT

### CONVENER:

- Prof. Dr. S. B. Patil, Principal, RDTG, Degree Engineering.
- Prof. Chetan P. Vora, KITRC KALOL - GUJARAT

### CO- CONVENER:

- Prof. V. L. Dalir, Principal, RDTG, Diploma Engineering

### ORGANIZING COMMITTEE COORDINATORS:

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- Prof. G. S. Jadhav • Prof. B. D. Thorat

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- Dr. B. S. Agarwal...KIM...KALOL
- Prof. Dr. G. K. Kharate, Matoshri Engg., Nashik
- Prof. Dr. D. S. Bormane, JSPM, Pune
- Prof. Dr. J. B. Sankpal, AIT, Pune
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- Prof. Dr. R. R. Dod, MIT, Pune
- Prof. Dr. V. S. Patil, KBP, Satara
- Mrs. Dr. S. R. Chougule, BVCOE, Kolhapur
- Prof. Dr. A. J. Gujar, AMGOL, Kolhapur
- Mrs. Dr. S.B. Patil, JIMCOE, Kolhapur
- Prof. Dr. S.P. Patil, KEC, Shelve, Solapur
- Prof. Dr. B.G. Hogade, TEC, Navi Mumbai
- Prof. Dr. R. N. Duche, LTCOE, Navi Mumbai

### FORMAT OF REGISTRATION FORM

FOR REGISTRATION FORM AND COPYRIGHT FORM CONTACT  
[conference2016@rajgad.edu.in](mailto:conference2016@rajgad.edu.in), [ncrddems2016@rajgad.edu.in](mailto:ncrddems2016@rajgad.edu.in)

- D.D. towards registration should be in favour of - Amoghshidhi Education Society" Sangli payable at Sangli 416415 (Maharashtra)

### PAPER PRESENTED IN ABSENTIA

Those who are unable to come to present their paper on the day of conference but wish to present a paper in absentia are also encouraged to send a paper as per the schedule. Paper on the conference theme presented in absentia is eligible to be included in Conference Materials. Author need to send the CD containing presentation of their paper.

MAILING ADDRESS TO SEND PAPERS ALONG WITH  
REGISTRATION FORM, COPYRIGHT FORM AND D.D.  
TOWARDS REGISTRATION FEE

- Prof. Dr. S. B. PATIL, PRINCIPAL  
CONVENER, (NC-RDD-EMS-2016)

Rajgad Dnyanpeeth Technical Campus, (Degree Engineering),  
S. No. 237, Dhangawadi, Satara-Pune, NH-4, Tal: Bhor, Dist  
Pune (Maharashtra).  
Cell- 09970397696, 09527004645

- Prof. CHETAN P. VORA  
CONVENER, (NC-RDD-EMS-2016)

Kalol Institute of Technology & Research Center,  
Ahmedabad-Mehsana National Highway, Opp. Hotel  
Sindabad, KaloI-382721, Dist.: Gandhinagar, Gujarat (India)

[conference2016@rajgad.edu.in](mailto:conference2016@rajgad.edu.in), [ncrddems2016@rajgad.edu.in](mailto:ncrddems2016@rajgad.edu.in)



**CALL FOR PAPERS**  
**NATIONAL CONFERENCE**  
**ON**  
**RESEARCH, DESIGN AND DEVELOPMENT IN**  
**ENGINEERING, MANAGEMENT & SCIENCES**  
(NC-RDD-EMS-2016)  
**March 20, 2016**

**Organized by**

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**Venue**

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(Degree Engineering and Polytechnic)  
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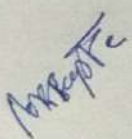
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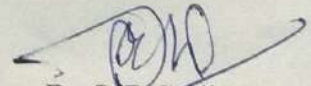
### Conference Schedule

Saturday, Date-20/03/2016		
Time	Program	Venue
10:00 am-11:00 am.	Inauguration	Seminar Hall, 2 <sup>nd</sup> floor
11:00 am-12:00 noon.	Keynote Speaker's Session	Seminar Hall, 2 <sup>nd</sup> floor
12.00 pm- 12.45 pm.	Lunch	Canteen
12.45 pm-2.45pm.- Session 1 2.45 pm-3.00 pm.- (Tea) 3.00 pm-5.00 pm - Session 2	Track 1 (Mechanical)	Room No:119(ICT-Classroom)
	Track 2 (Computer)	Room No:216(ICT-Classroom)
	Track 3 (E&Tc)	Room No: 317(ICT-Classroom)
	Track 4 (Civil, G.Sci)	Room No:105(ICT-Classroom)

  
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Sr. No.	Author/Participant Name	Title of the Paper	Sign
1)	Robesh Kumar S. Lavate	A Review of Heat transfer enhancement by Nano fluid	R. Lavate
2)	Yadav G. B.	Survey on data leakage detection using fuzzy inference point.	G. B. Yadav
3)	Nilesh Lohar	Review on triaxis pneumatic heat exchangers	N. Lohar
4)	Meena Sarvas.	fly ash use in domestic waste water treatment as a filter Bed.	M. Sarvas
5)	Nilesh D. Bagul	Conversion of diesel engine to Dual fuel mode using Biogas	N. D. Bagul
6)	Shrikant Sutar	fastback methodology used in construction sector	S. Sutar
7)	A. S. Adat	Potential of Composite material in defense equip <sup>ts</sup> .	A. S. Adat
8)	Vinesh Gholep.	Crossed Rubber modified bitumen	V. Gholep
9)	Surya N. Jadhav	Review of use of hydraulics & pneumatics for bar casting	S. N. Jadhav
10)	Kharade Saimath	Productivity improvement in Casting Industry using Industrial Engineering tech.	S. Kharade



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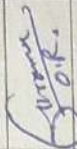


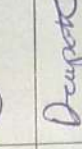


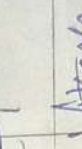

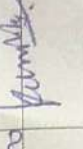
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10	Prof. S.K. Pawar	Performance testing of Rice bran oil as fuel in diesel eng.	<i>S.K. Pawar</i>
11	R.S. Mungamkar	Implementation of Tpm in manufacturing industries.	<i>R.S. Mungamkar</i>
12	Rudhmesh Shandage	Design fabrication & testing of composite leaf spring for Tata sumo Grande.	<i>Rudhmesh Shandage</i>
13	Paresh R. Chaudhri	Digital display system	<i>Paresh R. Chaudhri</i>
14	Harshal Tamwar	Sensor based automatic irrigation management system	<i>Harshal Tamwar</i>
15	Gavali A.P.	Pneumatically material handling system.	<i>Gavali A.P.</i>
16	M.B. Karade	Smart house monitoring system	<i>M.B. Karade</i>
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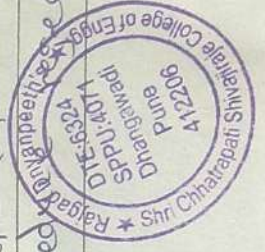


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21.	Omkar Ciume	Trends in Deburring process : Dry ice blasting	
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31	Sagar Jadhav	Review on button operated electromagnetic gear shifting system for two wheeler.	
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28	<del>Prof.</del> Prachinphade	Improvement of labour productivity in construction sector around Mumbai Region	<i>Prachinphade</i>
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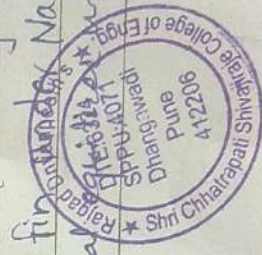


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56	Shirode Uttam	Experimental analysis of effect of pitch Enhancing density based size variation on thermal performance of coil tube heat exchanger for heat recovery.	<i>Uttam</i>
57	Sandeep kumar K.C.	An ergonomic guideline for improving the posture condition	<i>Sandeep K.C.</i>
58	Meena V. Sanas.	Fly ash used in domestic waste water treatment as a filter bed.	<i>Meena</i>
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60	S.D. Barawade	An investigation of optimal pitch selection to reduce self loosening of threaded fastener under transverse loading.	<i>S.D.</i>
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64	Nitin P. Khatmode	Removal of PH, TDS, TSS and color from textile effluent by using coagulation & Acoustic/son aquatic	
65	Umesh R. Gholap	Crumb Rubber modified bitumen	
66	Pralaxar Apshay	Design and analysis of tech. of cold bending of glass plate	
67	Mahikarjun N. Mathapati	Abrasive wear behaviour of banana glass fibre hybrid polymer	
68	Akhay Dhareapanna	A wearable airbag to prevent fall injuries	
69	Sambhaji B. Tagad	Enhancement in video quality using tone Adjustment	
70	Prof. K.R. Jadhav	Automatic machine PCB screen printing	
71	Dattatray Bhillare	mobile to desktop data transmission Thru human body	
72	Shreya S. Mahajan	solar grid-tied system using MPPT Charge Controller	
73	Vinayak Nilkam	An overview - controlling & monitoring of solar using Android phone	



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78.	Suhas S. Dhongade	Security enhancement in color image watermarking using DWT-SVD	<u>Suhas</u>
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83.	pritti Bhoj	Public Auditing using TPA on cloud	PB
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97	omkar deshmukh	A case study of post river & flood risk management	Deshmukh



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To,

Prof. Dr. Y. P. Nerkar  
Dean Engineering,  
Savitribai Phule Pune University,  
Pune, Maharashtra.  
411007

Dear Sir,

We had immense pleasure for your attendance in National conference on research, design and development in engineering, management & sciences on date 20<sup>th</sup> Mar. 2016 held at Rajgad Dnyanpeeth's Shri Chhatrapati Shivajiraje College of Engineering.

We are very much thankful for your work as an Executive Committee member for the event. We appreciate your work thoroughly.

We will always look forward to invite you again and again and avail your valuable services.

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To,  
Prof. Dr. D. S. Bormane  
Director, Jaywant Sikshan Prasarak Mandal (JSPM),  
Pune, Maharashtra.

Dear Sir,

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**LETTER OF APPRECIATION**

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Principal, Flora Institute of Technology,  
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Dist: Pune, Maharashtra.

Dear Sir,

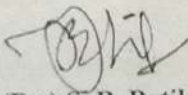
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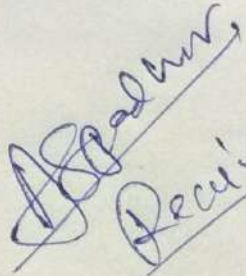
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To,  
Prof. J. A. Hole  
Jaywant Shikshan Prasarak Mandal (JSPM),  
Pune, Maharashtra.

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To,  
Prof. Dr. S. N. Mali  
Sinhagad Institute of Technology (SIT),  
Narhe, Pune, Maharashtra.

Dear Sir,

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To,

Prof. Dr. P. N. Mahalle

Sau. Kashibai Navale College of Engineering (SKN),

Vadgaon, Pune, Maharashtra.

411041

Dear Sir,

We had immense pleasure for your attendance in National conference on research, design and development in engineering, management & sciences on date 20<sup>th</sup> Mar. 2016 held at Rajgad Dnyanpeeth's Shri Chhatrapati Shivajiraje College of Engineering.

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VIIT,  
Pune, Maharashtra.

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To,  
Prof. S. P. Patil  
Karmyogi Engineering College (KEC),  
Solapur, Maharashtra.

Dear Sir,

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To,  
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D.Y.Patil College of Engineering and Technology  
Kolhapur, Maharashtra

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Prof. Dr. S. S. Patil  
Bharti Vidyapeeth College of Engineering,  
Kolhapur, Maharashtra

Dear Sir,

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To,  
Prof. Dr. M. S. Kumbhar  
Rajarambapu Institute of Technology,  
Sangli, Maharashtra

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The said paper will be published in International Journal of Emerging Technologies And Applications In Engineering, Technology & Sciences  
having ISSN : 0974-3588.

The author of the paper is *Mr. Rathod Sunil D.*

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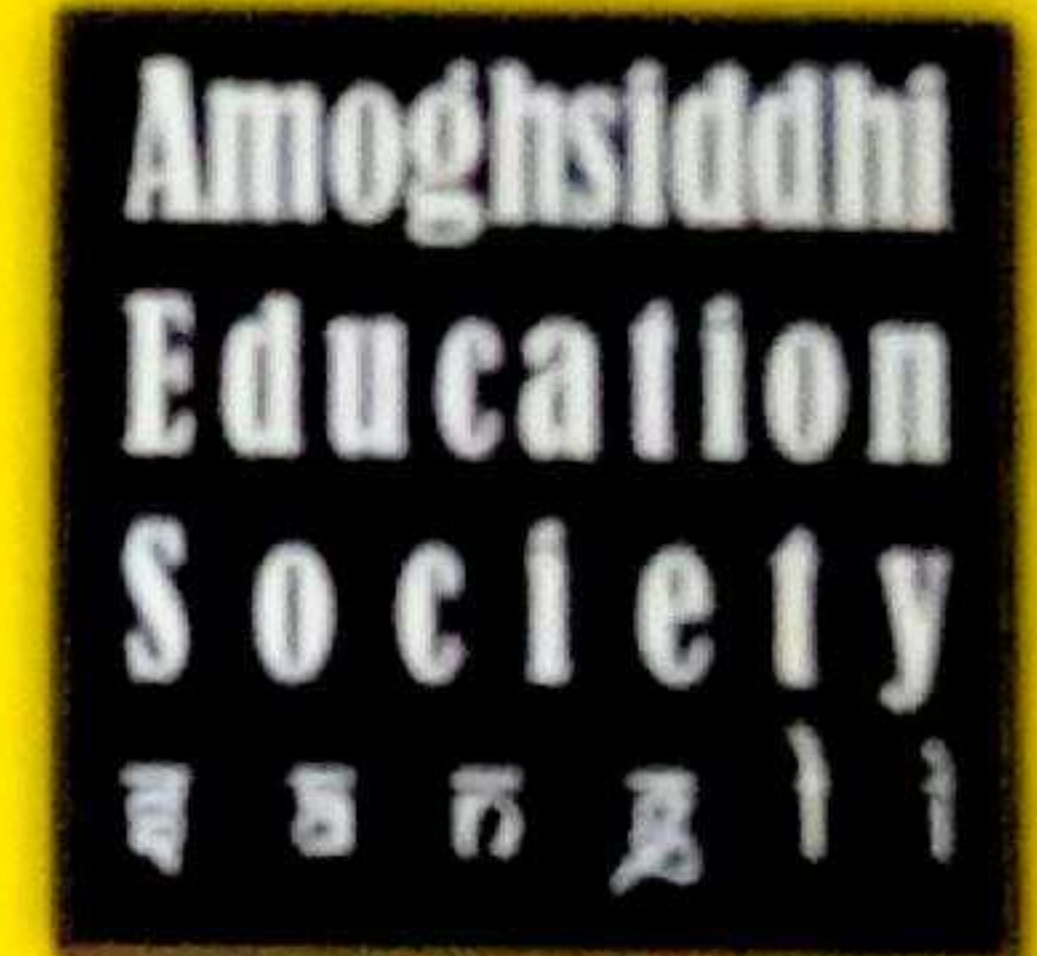
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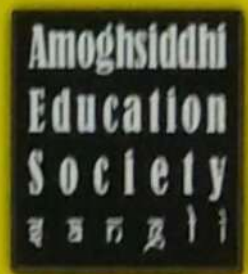
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This is to certify that the paper entitled Soil Improvement using Molasses  
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