

**M.E.S.College of Engineering**

**Department of Computer Engineering**

**National conference on**

**“Recent Advances in Computer Engineering”**

**Brochure for the Year 2021**

## Chief Patrons

**Dr. A. J. Hake**

(Management Trustee, ME Society, Pune.)

**Dr. A. S. Chandak**

(Management Trustee, ME Society, Pune.)

**Dr. M. K. Sanap**

(Management Trustee, ME Society, Pune.)

## Patron

**Dr. S. S. Sarawade**

(Principal, MES College of Engg., Pune.)

**Dr. (Ms). M. P. Dale**

(Vice-Principal, MES College of Engg., Pune.)

## Convener

**Dr. (Mrs.) Nuzhat F. Shaikh**

(Head, Department. of Computer Engg.)

## Organizing Secretary

**Prof. Balaji Bodkhe**

(9923353534)

## Coordinator

**Ms. Shubhangi Khade**

(8329833296)

## Advisory Board

Dr. V. H. Patil (Chairperson, BOS Comp. Engg., SPPU)

Dr. P. N. Mahalle (Member, BOS Comp. Engg., SPPU)

Dr. P. D. Patil (Member BOS Computer Engg, SPPU)

Dr. S. P. Sood (Joint Director, CDAC, Mohali)

Dr. J. S. Chitole (Professor, VIT, Pune)

Dr. V. Vlagamutalvi (Professor, Satyabhama University)

Dr. A. Pravin (Professor, Satyabhama University)

Dr. A. Canessane (Professor, Sathyabama University)

## Steering Committee

Dr.(Mrs.) R. A. Khan

Dr.(Mrs.) S. K. Wagh

Dr.(Mrs.) J. R. Pansare

Dr.(Miss.) R. M. Wahul

## Organizing Committee

Mrs. S. R. Khonde

Mrs. S. P. Khedkar

Mrs. S. P. Deore

Dr. (Mrs.) A. P. Kale

Mrs. S. S. Raskar

Mr. G. S. Pole

Mr. S. B. Shinde

Ms. D. D. Ahir

Mr. A. S. Kamble

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Ms. B. F. More

Ms. S. E. Ingale

Mr. Y. S. Ingle

Ms. N. R. Mhaske

Ms. S. A. Sapkal

Mrs. A. Nagare

**Technical Support Staff**

Mr. P. V. Raut

Mrs. V. H. Kamble

Mr. L. J. Parande

Mr. H. G. Muknak

Mr. N. L. Raut

# 8<sup>th</sup> National Conference on “RECENT ADVANCES IN COMPUTER ENGINEERING”

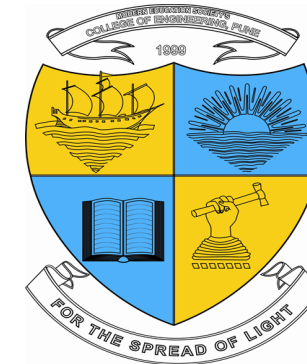
[RACE 2021]

*In Association with*

“CSI Pune Chapter”

*on*

**June 25-26, 2021**



**Organized by**

**Department of Computer Engineering**

**M.E.S. College of Engineering**

**[Accredited by NBA Year 2019-22]**

**[Accredited by NAAC with 'A' Grade]**

Wadia College Campus,  
19, Late Prin. V. K. Joag Path,

Pune-411001

Ph. No. 020-26163831

www.mescoepune.org

Email ID: race@mescoepune.org

## About the College

Modern Education Society is established in 1932 with the motto ***“For the Spread of Light”***. M.E.S. College of Engineering established in 1999 and situated in the heart of Pune city, offers engineering degree courses in Mechanical, E&TC and Computer Engineering and is affiliated to Savitribai Phule Pune University, accredited by NBA and NAAC with ‘A’ Grade. The college is developing fast with the vision “To Develop Motivated, Environment friendly, Self esteemed, Creative and Oriented Engineers” and the mission “To develop industry oriented manpower to accept the challenges of globalization by promoting value Education through motivated trained faculty by maintaining conducive environment for affordable cost by promoting industry institute interaction by involving Alumni”.

## About the Department

The Department of Computer Engineering has been taking consistent efforts since its inception in 1999 with highly qualified and energetic faculty for all round development of budding engineers for tomorrow's nation building. Department is accredited by N.B.A. for three years (2019-2022). The department has intake of 180 UG and 24 PG students. This is an exciting place to study and grow where thinkers become leaders and where there is thirst of knowledge. The interaction between the students and professors profusely enriches the educational experience. The department is well equipped with state-of-the-art infrastructure & advance laboratories. Many staff members have completed Ph. D. and a few are pursuing Ph.D. in various streams of Computer Engineering to strengthen Research & Development & to leverage research aptitude of students.

## Call for Paper

The 8<sup>th</sup> National Conference on “Recent Advances in Computer Engineering” [RACE-2021] is the premier forum for presentation of new advances and research results in the field of Computer Engineering. The conference will bring together researchers, engineers and scientists in the domain of interest from variety of disciplines such as Computer, Information Technology and Electronics & Telecommunication.

### Topics of interest include but not limited to

- Data Science & Big Data
- Internet of Things
- Software Engineering
- Networking & Cloud Computing
- Artificial Intelligence & Machine Learning
- Data Mining and Information Retrieval
- GPS & Applications
- Computer Networks
- Cyber Security & Network Security
- Information and Coding Techniques
- Biomedical Signal/Image Processing
- Image and Pattern Recognition
- Computer Vision, Biometrics
- Cryptography and Network Security
- Graphics, Animation & Virtual Reality
- Cloud Computing
- Fuzzy Systems/Neural Network

### Registration Fees

**No registration charges for participants**

### Mode of Conference

Online Platform (Microsoft Teams )

## 8<sup>th</sup> National Conference on “RECENT ADVANCES IN COMPUTER ENGINEERING” [RACE 2021]

*In Association with*

**“CSI Pune Chapter”**

**June 25-26, 2021**

### Important Dates

Deadline of Paper Submission:	June 15, 2021
Intimation of Acceptance:	June 18, 2021
Submission of CRC Paper:	June 20, 2021
Last Date of Registration:	June 20, 2021

### Registration Link

Participants should register on the link::

***<https://forms.gle/paTts7ZL5zokmi3s7>***

### Best Paper Award

For each track best paper will be selected from the presented papers.

### Paper Submission

Full Length Papers should be sent on:

***[race@mescoepune.org](mailto:race@mescoepune.org)***

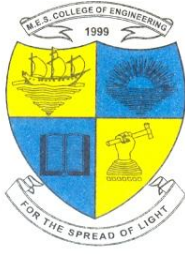
### Paper Format

All manuscripts should be strictly in MS-word/latex and limited to 6 pages.

***For template, visit [www.racemescoe.com](http://www.racemescoe.com)***

### Paper Publication

All papers will be published in RACE 2021 Conference proceedings bearing ISSN:2347-3649.



Modern Education Society's  
**College of Engineering, Pune**

19, Late Prin. V. K. Joag Path, Wadia College Campus, Pune - 411 001  
Tel. / Fax : (020) 26163831 / 26160935 ● Website : www.mescoepune.org  
E-mail : principal@mescoepune.org ● Id. No. PU / PN / Engg./ 136 / 1999  
AICTE Approval No. 740-89-337(E)/ET/99  
Govt. of Maharashtra Approval No. PEC 2099/53458(269/99)/TS-1

Ref: MESCOE/COMP/RACE-2021/

Date: 25/06/2021

To,  
Dr. Sanjay Sood  
Project Director  
eSanjeevani,  
Mohali, Punjab.

**Subject:- Letter of Appreciation as chief guest for 8<sup>th</sup> National Conference on "Recent Advances in Computer Engineering [RACE-2021]"**

Respected Sir,

We are very grateful to you, for sparing your precious time as chief guest at "8<sup>th</sup> National Conference on "Recent Advances in Computer Engineering [RACE-2021]", arranged on 25<sup>th</sup> June 2021. Your guidelines will surely help participants to enhance their knowledge.

We are very thankful to you for your cooperation and support. We expect similar interaction in future also.

Thanking you,

Warm Regards,

RACE 2021 Team

Yours faithfully,

Principal

(Dr. S. S. Sarawade)

MES's College of Engineering, Pune



Modern Education Society's  
College of Engineering, Pune.



*Best Paper Award*  
*RACE 2021*

is hereby granted to:

**Stephen Dias, Shubham Gawade, Pranav, Goel, Piyush Bhujbal, Balaji  
Bodkhe, Mahesh Shinde**

in recognition of their exceptional research paper titled:

**“Distributed Data Vending through Crowdsourcing based on the  
Blockchain Framework”**

in 8th National Conference Recent Advances in Computer Engineering  
(RACE 2021) organized by Department of Computer Engineering,  
MESCOE on 25<sup>th</sup> - 26<sup>th</sup> June, 2021.

Mr. B.K. Bodkhe  
RACE 2021  
Organizing  
Secretary

Dr. N.F. Shaikh  
HOD  
Dept. of Computer Engineering

Dr. S. S. Sarawade  
Principal  
MESCOE

**Modern Education Society's**

**College of Engineering**

Accredited by NAAC with 'A' Grade

19, Late Prin. V. K. Joag Path, Wadia College Campus, Pune-411001

**Report**

**National Conference on  
"Recent Advances in Computer Engineering"**

**In association with CSI  
(RACE -2021)**

**On**

**Tuesday, 25<sup>th</sup> - 26<sup>th</sup> June 2021**

**Organized by**

***Department of Computer Engineering***

**Venue: Modern Education Society's**

**College of Engineering, Wadia College Campus,**

**19, Late Prin. V. K. Joag Path, Pune-411001**

## About the Event

The 8<sup>th</sup> National Conference on “Recent Advances in Computer Engineering” [RACE-2021] is the premier forum for presentation of new advances and research results in the field of Computer Engineering. The conference will bring together researchers, engineers and scientists in the domain of interest from variety of disciplines such as Computer, IT and Electronics & Telecommunication Engineering.

Topics of interest include but not limited to:

- Mobile Communication
- Intelligent Communication Systems
- Wireless Sensor Networking
- GPS & Applications
- Information and Coding Techniques
- Signal Processing
- Biomedical Signal/Image Processing
- Image and Pattern Recognition
- Computer Vision, Biometrics
- Audio and Video Processing
- Cryptography and Network Security
- Image and Video Security
- Graphics, Animation and Virtual reality
- Cloud Computing
- VLSI and Embedded Systems
- Embedded Network
- Fuzzy Systems/Neural Network
- Robotics

### **Outcomes of RACE 2021**

#### **Student will be able**

1. To write technical article.
2. To provide an excellent opportunity to the students to showcase their talent, research orientation and untapped potential.
3. To develop presentation and communication skills and to work in teams.

### **RACE Organizing Team**

**Convenors:** Dr. N. F. Shaikh ( HoD, Comp)

**Organizing Secretary:**

Mr.B. K. Bodkhe

**Coordinators:** Ms. Shubhangi Khade

**RACE 2021 Details**

No. of Registered groups -93

No. of participated groups -93

**Chief Guest Information:**

Dr. Sanjay Sood  
Project Director - eSanjeevani  
CDAC, Mohali,  
Punjab

**Session Chairs and track Information:**

<b>Tracks</b>	<b>Name of Session Chair</b>
Track 1- Big Data & Data Analytics, Block Chain	Dr. Kishor Wagh Associate professor in Computer Engineering, AISSMS, Pune
Track 2 - Image and Signal Processing	Dr. Ketaki Kshirsagar Associate professor, VIIT, Pune
Track 3 - Computer Network & ANN	Dr. Nita Thakare Assoc Professor and Head, Deptt of Computer Technology, Priyadarshini College of Engineering, Nagpur
Track 4 - Artificial Intelligence & NLP	Dr. Amol Potgantwar, Head, Department of Computer Engineering, SITRC,Nasik
Track 5 - Data Mining	Dr. Shabina Sayyad Dean Student Development, KBPCOE, Satara
Track 6 - Cloud Computing & Machine Learning	Dr. A. Pravin Associate Professor, Sathyabhama University,Chennai(TN)
Track 7 - Deep Learning and Machine Learning	Dr. Geetanjali kale Assistant Professor, PICT, Pune Member BoS, Computer Engineering, SPPU, Pune
Track 8 - Cryptography and Security	Dr. Pallavi Chaudhary, Associate Professor and Head, Departnet of IT, Priyadarshini Institute of Engg and Technology, Nagpur
Track 9 - Internet of Things	Dr. Shafi Pathan Associate Professor,Dept. of Computer Engineering, SKNCOE, Vadgaon(Bk), Pune



**Best Paper Information:**

Session No.	Title of Paper	Name of Judge
1	Integration of data access from Raspberry Pi to IoT framework	Dr. Shafi Pathan
2	Distributed Data Vending through Crowdsourcing based on the Blockchain Framework	Dr. Kishor Wagh
3	IntelliHolo : 3D Modelled Artificial Intelligence with Mixed Reality	Dr. Ketaki Kshirsagar
4	IoT based Security System using Microwave Sensor	Dr. Pallavi Chaudhary
5	Human Behaviour Identification based on Graphology using Artificial Neural Network	Dr. A. Pravin
6	Slyvia: Virtual Voice Assistance	Dr. Kirti Wanjale
7	Implementation and Analysis of Deep Learning Models for the Purpose of Object Detection in Satellite Imagery Using the HPC Platform	Dr. Nita Thakare
8	Flood Forecasting and Effective Risk Mitigation Using Machine Learning	Dr. Geetanjali kale
9	Mesh Creation Tool for ANUGA	Dr. Shabina Sayyad

**RACE 2021 Brochure:**

**Photos:**





**M.E.S.College of Engineering**

**Department of E&TC Engineering**

**National conference on**

**“Advancements in Communication, computing and  
ElectronicsTechnology”**

**Brochure for the Year 2021**

Modern Education Society's Wadia College of Engineering, Pune -01

Dept. of Electronics and Telecommunication Engineering IEEE Signal Processing  
Society  
Sponsored  
IETE Pune Centre Approved  
7<sup>th</sup> National Conference on  
Advancements in Communication, Computing  
and Electronics Technology [ACCET]  
[19th June 2021]

# BROCHURE

**7<sup>th</sup> National Conference On**  
Advancements in Communication, Computing and Electronics Technology [ACCET 2021] [19th June 2021]  
Organized by

**M. E. S. College of Engineering, Pune**  
(Accredited by NAAC with 'A' Grade) (Accredited by NBA)

Wadia College Campus, 19, Late Prin. V. K. Joag Path, Pune-411001. Ph. No. 020-26163831 Website: [www.mescorpune.org](http://www.mescorpune.org) Email ID: [accet@mescorpune.org](mailto:accet@mescorpune.org)

**IETE Pune Center  
Approved**



**CHIEF PATRONS**

**Dr. A. J. Hake**, Management Trustee, ME Society, Pune.  
**Dr. A. S. Chandak**, Management Trustee, ME Society, Pune.  
**Dr. M. K. Sanap**, Management Trustee, ME Society, Pune.

**PATRONS**

**Dr. S. S. Sarawade**, Principal, MES College of Engg., Pune.  
**Dr. M. P. Dale**, Vice-Principal, MES College of Engg., Pune.

**CONVENER**

**Dr. P. P. Mane** (Head, Department of E&Tc Engg.)

**COORDINATOR**

**Prof. M. M. Dhanvijay** (9881694722)

**M. E. S. College of Engineering,  
Pune - 01**



**NATIONAL ADVISORY BOARD**

**Dr. D. S. Bormane** (Principal, AISSMS COE, Pune)  
**Dr. J. W. Bakal** (President, IETE New Delhi)  
**Prof. P. Prabhakar** (Retd, Vice President, IETE New Delhi)  
**Dr. A. K. Saini, Dr. M. H. Kori** (Vice President, IETE New Delhi)  
**Dr. Nilesh N. Kasat** (Zonal Mentor, West zone, IETE Pune)  
**Dr. R. D. Kharadkar** (Chairman, IETE Pune)  
**Dr. V. V. Shete** (Hon. Secretary, IETE Pune)  
**Dr. P. B. Mane** (Chairman, IEEE Pune Section Communication Society, Principal, AISSMS IOIT, Pune)  
**Dr. V. K. Bairagi** (Chair IEEE SPS Society, Pune)  
**Dr. A. N. Gaikwad** (Member BOS E&TC SPPU, Pune)  
**Dr. Y. H. Dandawate** (Member BOS E&TC SPPU, Pune)  
**Dr. S. N. Talbar** (Professor, SGGSIET, Nanded)  
**Dr. Shailaja Patil** (Professor RSCOE, Pune)  
**Dr. R. M. Bodade** (Professor, MCTE, Mhow, Indore)  
**Dr. N. G. Bawane** (Principal, JIT, Nagpur)  
**Dr. Sanjay Dudal** (Professor & Head, Amravati Univ.)

**IEEE Signal Processing Society  
Sponsored**



**TECHNICAL COMMITTEE**

**Dr. A. J. Hake**, Trustee, ME Society, Pune.  
**Dr. M. P. Dale**, Vice-Principal, MES College of Engg., Pune. (Vice Chair IEEE SPS Society, Pune).  
**Dr. P. P. Mane**, HoD, E&TC Dept., MES College of Engg., Pune  
**Dr. Varsha Harpale** (Secretary IEEE SPS Society, Pune)  
**Dr. P. B. Chopade**, MES College of Engg., Pune.  
**Dr. P. N. Kota**, MES College of Engg., Pune.  
**Dr. K. S. Tiwari**, MES College of Engg., Pune  
**Dr. R. S. Kadam**, MES College of Engg., Pune.

**ORGANIZING COMMITTEE**

Ms. B. M. Narute	Mrs. Y. M. Ajjur	Mr. S. M. Kate
Mr. S. N. Dharwadkar	Mrs. U. D. Dattasamje	Mr. S. B. Shinde
Mrs. A. A. Dhavlikar	Mrs. P. M. Bagul	Mr. S. A. Dhebe
Mr. S. S. Pansare	Ms. P. S. Tondewad	Mr. R. H. Hawalkar
Mrs. U. V. Bumble	Mr. P. H. Mohite	Mr. G. A. Patange
Mrs. N. Masood	Ms. P. Nandanwar	Mr. S. S. Adul

FOR QUERIES PLEASE CONTACT  
**Mrs. Mrinai M. Dhanvijay (9881694722)**

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#### ABOUT THE COLLEGE

Modern Education Society is established in 1932 with the motto "For the Spread of Light".

M.E.S. College of Engineering established in 1999 and situated in the heart of Pune city, offers engineering degree courses in Mechanical, E&TC and Computer Engineering and is affiliated to Savitribai Phule Pune University, accredited by NBA and NAAC with 'A' Grade. The college is developing fast with the vision "To Develop Motivated, Environment friendly, Self esteemed, Creative and Oriented Engineers" and the mission "To develop industry oriented manpower to accept the challenges of globalization by promoting value Education through motivated trained faculty by maintaining conducive environment for affordable cost by promoting industry institute interaction by involving Alumni".

#### ABOUT THE DEPARTMENT

The Department of Electronics and Telecommunication Engineering is established in 1999 and emerged as a leading source for providing up-to-date knowledge and technological developments in Electronics and Telecommunication Engineering. The department has technically rich and industry experienced faculty providing sound foundation of knowledge in Electronics and related areas. The Department has 19 dedicated faculty members including seven doctorate professors and ten perusing their PhD degree. State of the art computational and experimental facilities enable the department to undertake basic and applied research and provide support to R&D organizations. Department offers sponsorship for BE in-house projects. Various programs and activities like Roboclub, ETSA etc. are conducted for uplifting students continuously throughout the year. The department organizes several FDPs and workshops for technical up gradation of faculties. The graduating students are well placed in leading academic institutes, research organizations and industries.

The department has started M.E.( Signal Processing ) course from 2013. To make students ready for industry requirements the department has started offering **3 Honors Program** from AY 2020-21 as follows **Artificial Intelligence and Machine Learning, Data Science and Internet of Things.**

#### CALL FOR PAPER

The National Conference on Advancements in Communication, Computing and Electronics Technology provides a platform that can facilitate researchers, academicians and students to discuss recent advances and trends in the fields of theoretical, experimental, applied Communication, Computing and Electronics Technology. The conference will also spark innovative ideas, foster research relations or partnerships between the various institutions and build strong research and development community.

**Paper Submission:** Papers should be sent on [acct@mescoepune.org](mailto:acct@mescoepune.org)

**Paper Format:** All manuscripts should be strictly in MS-word and limited to 6 pages IEEE double column format.

**Paper Publication:** Selected Papers will be published in *Scopus / UGC listed Journal and author will bear the cost of publication.*

**Best Paper Award:** For each track best paper will be selected out of presented papers.

**Mode of conference execution:** Online (MS Teams Platform)

**Conference webpage:** [www.mescoepune.org/acct](http://www.mescoepune.org/acct)

#### REGISTRATION FEES

- **No registration charges for participants.**
- At the end of the workshop all participants have to fill the feedback form.

#### REGISTRATION FORM LINK

<https://forms.office.com/r/LJcmwF0fip>

**Topics of interest for paper submission includes but not limited to:**

- ✓ Embedded systems and VLSI
- ✓ Software Defined Network (SDN) and Internet of Things
- ✓ Wireless Communication and Antennas
- ✓ Wireless Sensor Network
- ✓ Biomedical signal processing and signal processing
- ✓ Human Bond Communication
- ✓ Image Processing and Pattern Recognition
- ✓ Robotics, Mechatronics, PLC's & Automation
- ✓ AI, Machine Learning and Deep Learning
- ✓ 5G networks and Mobile Communication
- ✓ Soft Computing and Cloud Computing
- ✓ Computer Vision
- ✓ Nano Technology and Nano Materials
- ✓ Renewable Energy Sources
- ✓ Mathematical Modeling and Optimization Techniques
- ✓ Augmented Reality
- ✓ Power Electronics
- ✓ Semiconductor Material
- ✓ Covid 19 effects

#### IMPORTANT DATES

- ✓ Paper Submission deadline (Soft copy): **13/06/2021**
- ✓ Intimation of Review and Acceptance: **15/06/2021**
- ✓ Final submission of full length paper (Soft copy): **15/06/2020**
- ✓ Dates of Conference: **19/06/2021**
- ✓ Participants should fill the online registration form before **13/06/2021**
- ✓ Candidates will be confirmed only after the receipt of registration form. Confirmation will be communicated on **15/06/2021** via email and phone

Activate Win  
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# PERMISSION AND BUDGET DOC

M.E.S. College of Engineering Pune  
Department of Electronics and Telecommunications Engineering  
Budget:ACET-2021

Registration Fees(in Rs)						
Sr.No.	Category	2016	2017	2018	2019	2021
1	Research Scholars & PG Students	1500/-	1000/-	1000/-	1000/-	0.00
2	Academic Person	2000/-	1000/-	1000/-	1000/-	0.00
3	Industry Delegate	2500/-	1500/-	1200/-	1500/-	0.00
4	Attendee	500/-	500/-	500/-	500/-	0.00
Budget(in Rs)						
Sr.No.	Category	Actual Expenditure in Yr. 2016 in rupees	Actual Expenditure in Yr. 2017 in rupees	Actual Expenditure in Yr. 2018 in rupees	Actual Budget for Yr. 2019 in rupees	Proposed Budget for Yr. 2021 in rupees
		Actual	Actual	Actual	Actual	Expected
1	No. of Delegates	30	58	48	50	65
2	Conference kit	9,000.00	19,592.00	3,978.00	5,000.00	0.00
3	Printing of		35,000.00	21,240.00	33,075.00	0.00
4	Certificates, Souvenir and Banners	27,447.00	8,062.00	7,722.00	(5224+ )=10000	0.00
5	Honorarium for	14,000.00	20,000.00	15,000.00	18,000.00	27,000.00
6	Lunch &	34,000.00	50,940.00	50,960.00	23,504.00	0.00
7	Books + facilitation of Guest and stage arrangement+Meme	7,491.00	8,234.00	7,905.00	13,000.00	0.00
8	Transportation/Coaching/Boarding/Travelling	9,804.00	3,894.00	561.00	5,000.00	0.00
9	Miscellaneous	1,225.00	3,691.00	1,802.00	5,000.00	0.00
10	Total Expenditure	102,967.00	149,413.00	109,168.00	102,579.00	27,000.00
11	Registration fees collection	44,500.00	58,000+5,000(sponsorship)	48,000.00	50,000.00	0.00
12	Funds from	58,467.00	86,413.00	61,168.00	52,579.00	27,000.00

Coordinator

HOD

Registrar

Vice Principal

Principal

Rs 3000+12\*Rs 2000

# Portfolios of Organizing Committee

M.E.S. College of Engineering Pune-411001

7<sup>th</sup> National Conference on

Advancements in Communication, Computing and Electronics Technology

ACCET 15 Jun 2021 (Tentative)

Portfolios of Organizing Committee

Dated: 26/04/2020

Sr. No	Portfolio/ Activity	Details		Committee 2021
1.	Delegate Relation	1. Finalizing advisory Committee. 2. Suggesting Reviewers & session chairs. 3. Communication with delegates, online felicitation of session chair on the day of Conference. 4. Report generation	--	1. Dr. P. B. Chopade 2. Dr. M. P. Dale 3. Dr. P. P. Mane
2.	Reprography	1.Proceedings 2.Leaflets and Brochures 3. Report generation	-	1. Dr. P. N. Kota 2. Ms. B. M. Narute 3. Ms. P. S. Tondewad 4. Mrs. P. M. Bagul 5. Mr. P.H. Mohite 6. Students
3.	Webpage Monitoring & Conference alert	1.ACCET portal monitoring 2.Easy chair & Conference alert 3.Email Account management 4. Report generation	--	1. Mr. P. H. Mohite 2. Mrs. M. M. Dhanvijay
4.	Conference Paper management	1.Downloading received papers & coding. 2. Plagiarism check. 3. Sending Plagiarism report to author. 4.Sending papers for review 5. Collecting reviewers reports. 6. Creating finalized paper folders. 7. Preparing ACCET Paper presentation schedule. 8. Report generation	--	1. Dr. P. P. Mane 2. Dr. P. B. Chopade 3. Dr. R. S. Kadam 4. Mrs. M. M. Dhanvijay 5.. Sanjay Dhebe sir
5.	Publications	1.Searching good Journals.		1.Dr. M. P. Dale 2. Dr. P. P. Mane

		2.Communication with Journal editors. 3.Publication of selected papers 4. Report generation		3. Dr. K. S. Tiwari 4. Mrs. A. A. Dhavlikar 5. Mrs. M. M. Dhanvijay
6.	Keynote Speakers, Invited Speakers, Tutorial Speakers	1. Communication with speakers 2. Selecting cutting edge technology / E&TC topics 3. Facilitating speakers 4. Report generation	--	1. Dr. M. P. Dale 2. Dr. P. N. Kota 3. Mr. S. N. Dharwadkar
7.	Inaugural / Valedictory, Vote of Thanks	1.Inauguration, Vote of thanks 2. Report generation	--	1. Dr. K. S. Tiwari 2. Ms. P. S. Tondewad
8.	Sponsorship	IETE etc, communication with sponsorers And Report generation	--	1. Mrs. N. Masood 2. Dr. P. N. Kota
9 a.	Certificates / Invitation Cards	Certificates finalization, generation, and distribution of certificates	--	1. Mrs. Y. M. Ajgar 2. Mrs. A. A. Dhavlikar 3. Mrs. U. V. Bomble 4. Mr. P. H. Mohite
9 b.	Feedback Forms	To prepare the feedback forms, distribution of feedback forms after every session and collection of same. Report generation		
10.	Invitation And publicity	Collection of addresses of colleges across the country, prepare the list, Send mails regarding call for papers, post the leaflets along with covering letter. Keep the record. Report generation	--	1. Mrs. U. D. Dattasamjhe 2. Ms. Pratiksha Nandanwar 3. Shine sir
11.	Accounts	To take the advance from the office. To distribute the funds as required by the individual committees, documentation and settle the account etc. Report generation		1.Mrs. B. M. Narute 2.Mr. S. N. Dharwadkar
12.	Registration	1.Registration of participants, and	--	1. Mr. S. S. Pansare 2. Mrs. R. S. Kadam



		2. Registration Link Formation 3. WhatsApp group formation 4. Report generation		Students
13.	Session Co-ordination	1. Allotment of papers as per areas 2. Smooth coordination of sessions, 3. Teams creation and channel creation as per areas for presentation 4. panel allocation and follow up. 5. Photographs of session collection 6. Report generation	--	1. Mr. S. N. Dharwadkar 2. Mrs. U. V. Bomble 3. Mrs. P. M. Bagul 4. Kate sir
14.	Student Research Forum (SRF)	To organize research paper writing guidance session for students. Report generation	--	1. Dr. M. P. Dale 2. Dr. K. S. Tiwari 3. Dr. P. P. Mane 4. Dr. P. N. Kota 5. 6. 7. 8. All guides
15.	Contact Person	To attend the queries of participants and provide information regarding the conference.	--	1. Mrs. M. M. Dhanvijay 2. Pratiksha Nandanwar
16.	Report generation	Collection of all the reports and final report		1. M. M. Dhanvijay 2. S. S. Pansare 3. P. S. Tondewad

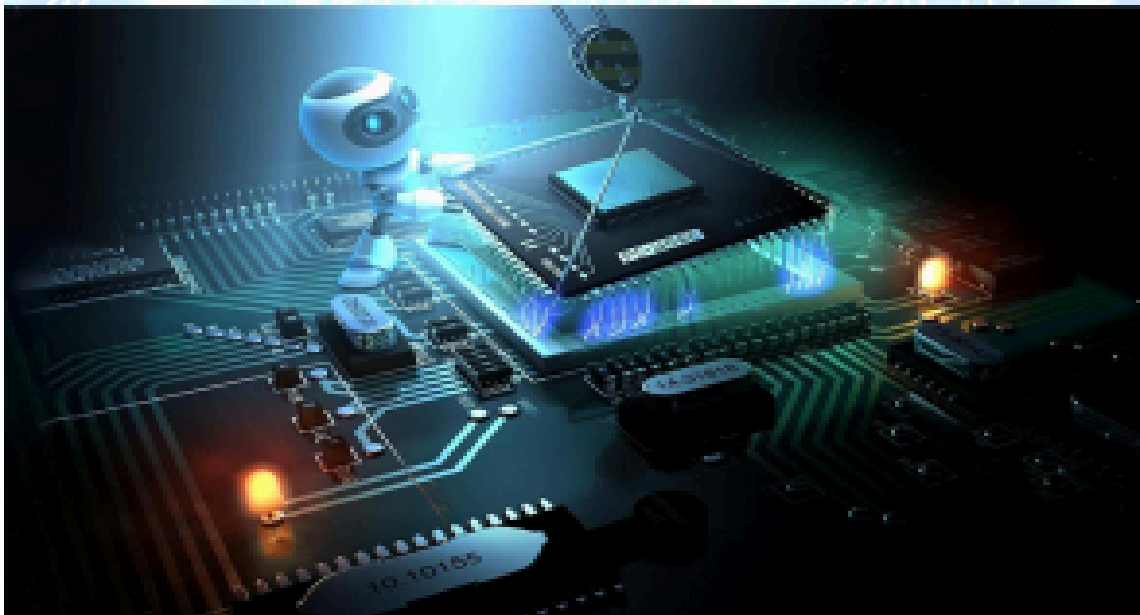
Co-ordinator  
Mrs. Mrinai M. Dhanvijay

HOD  
Dr. Mrs. P. P. Mane

# Souvenir



Souvenir of  
**7<sup>th</sup> National Conference on  
Advancements in Communication, Computing and Electronics Technology  
[ACCET 2021]**  
accet@mescoepune.org  
19<sup>th</sup> June 2021



## Chief Editors

Dr. S. S. Sarawade  
Dr. M. P. Dale

## Editors

Dr. P. P. Mane  
Prof. M. M. Dhanvijay

Department of  
**Electronics and Telecommunication Engineering**  
Modern Education Society's College of Engineering, Pune  
Accredited by NBA and NAAC with "A" Grade

Pune-411 001  
[www.mescoepune.org](http://www.mescoepune.org)

# *Souvenir*



IEEE Signal Processing Society  
sponsored  
IETE Pune Centre Approved  
7<sup>th</sup> National Conference on  
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ACCET – 2021

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Prof. B. M. Narute  
Prof. P. M. Bagul  
Prof. P. S. Tondewad  
Prof. P. H. Mohite

**Organized By**



**Department of Electronics and Telecommunication**

Modern Education Society's  
**COLLEGE OF ENGINEERING**

Accredited by NBA and NAAC with 'A' Grade  
19, Late Prin, V.K. Joag Path, Wadia College Campus, Pune-411001, India.  
Ph. /Fax- 020-26163831, [www.mescoepune.org](http://www.mescoepune.org)

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# Report

Modern Education Society's College of Engineering, Pune -01  
Dept. of Electronics and Telecommunication Engineering  
IEEE Signal Processing Society  
Sponsored  
IETE Pune Centre Approved  
7<sup>th</sup> National Conference on  
Advancements in Communication, Computing and  
Electronics Technology [ACCET]  
[19th June 2021]

Date: 22 / 06 / 2021

## Conference Report

Name of the Activity: ACCET 2021- National Conference

Date of Activity: 19 / 06 / 2021

Venue: Online on Microsoft Teams Platform.

IETE Pune Center approved and IEEE Signal Processing Society Sponsored, 7<sup>th</sup> National Conference on "Advancements in Communication, Computing and Electronics Technology [ACCET-2021]" was organized by the Department of E&TC Engineering on 19<sup>th</sup> June 2021. There has been a huge response to the call-for-papers for the Conference ACCET-2021.

Around 74 numbers of full length papers have been received from the researchers, academicians and industry persons of the leading organizations, institutes and industries, not only from Maharashtra like Nashik, Baramati, Ahmednagar, Shirpur, Karad, Jintur, Solapur, Nagpur, Akola and Pune region, but also from out-states places such as Tamilnadu, Karnataka, Bihar, Chhattisgarh, West Bengal, Andhra Pradesh, Jharkhand, Rajasthan, Haryana.

A committee of 21 reviewers put in their efforts to filter 69 good quality technical papers out of approximately 74 received ones. Total 57 Paper were presented on the day of conference. The observations and suggestions by the reviewers were helpful to the authors for further improvements in their papers. A total of 31 papers are sent for publication in IOSR-JEN.



ACCET 2021 National Conference Group Photograph

**Reviewers list for ACCET 2021**

Sr. No.	Reviewer Name	Institute
1.	Dr. M. P. Dale	MESCOE, Pune
2.	Dr. P. P. Mane	MESCOE, Pune
3.	Dr. K. S. Tiwari	MESCOE, Pune
4.	Dr. P. N. Kota	MESCOE, Pune
5.	Prof. S. N. Dharwadkar	MESCOE, Pune
6.	Prof. N. Masood	MESCOE, Pune
7.	Prof. Shailendra Badwaik	SCOE, Pune
8.	Dr. Rubena Khan	MESCOE, Pune
9.	Dr. Y. H. Dandwate	VIIT, Pune
10.	Dr. R. M. Bodade	MCET, Mhow, Indore
11.	Dr. Vinayak Bairagi	AISSMS, IOIT, Pune
12.	Dr. S. K. Wagh	MESCOE, Pune
13.	Dr. Mithra	DY Patil, Pimpri
14.	Dr. Tushar Jadhav,	VIIT, Pune
15.	Dr. Vrushali G Raut,	SCOE
16.	Dr. Prachi R.,	MAE, Alandi
17.	Dr. Jayshree Pansare	MESCOE Pune
18.	Dr. Varsha Harpale	PCCOE, Pune
19.	Prof. Anagha Kunte	MMCOE, Pune
20.	Dr. D. K. Shedge	AISSMS IOIT
21.	Dr. B. D. Jadhav	JSPM, Tathawade

The conference was approved by IETE Pune centre and Sponsored by IEEE Signal Processing Society Pune division. Selected Papers will be published in Scopus / UGC listed Journal and author will bear the cost of publication.

In order to motivate the participants, we have announced the 'Best Paper Award' for the papers from each category. By and large these technical papers added a true value in current research and development trends in the field of Communication, Computing and Electronics Engineering.

**ACCET-2021 Schedule**

June 19<sup>th</sup>, 2021 Saturday,

09:30 – 10:50 Opening Ceremony

11:00 – 12:30 Keynote Sessions

12:30 – 13:00 Lunch Break

Online Oral Presentations

13:00 – 16:00

Sessions: S1,S2,S3,S4,S5,S6,S7,S8,S9,S10,S11,S12

16:10 – 17:00 Valedictory

On the day of the conference, i.e. on Saturday 19<sup>th</sup> June 2021, the Inaugural Function was arranged in online mode on Microsoft Teams at 10 am. Prof. M. M. Dhanvijay, the conference Co-coordinator, gave the introductory speech and greeted the dignitaries and the participants. The inaugural function was hosted by Dr. K. S. Tiwari. The function was started with 'Saraswati Poojan' by playing audio tune in the presence of the dignitaries.

Dr. P. P. Mane, the conference convener, presented the key points about the conference in her welcome address.

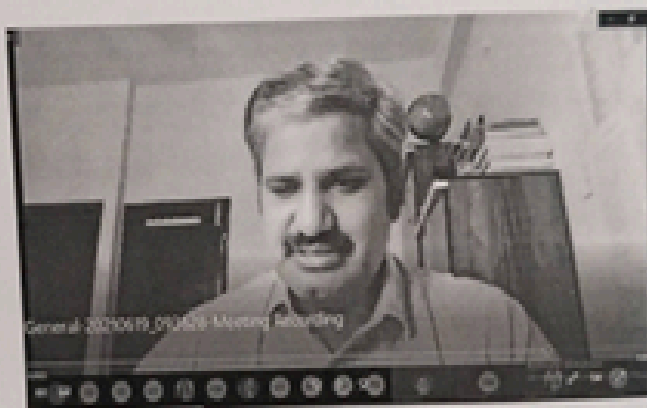
Dr. M. P. Dale, Vice Principal highlighted the important activities of the college and gave best wishes to ACCET-2021.

Later the unveiling of the conference Souvenir was taken place facilitated by Dr. P. N. Kota. Dr. P. P. Mane, H.O.D., E & Te. encouraged the participants with her motivating speech. Dr. A. J. Hake, Life Member, M. E. Society elaborated the significance of paper presentation and publication. Principal Dr. S. S. Sarwade mentioned the importance of the conference in his speech.

The function was also graced by the Guest of honour and the key-note speaker Dr. Ram Bilas Pachori

Professor, Department of Electrical Engineering, Indian Institute of Technology Indore. The audience were addressed by Chief Guest, Prof. Dr. D. S. Bormane, Principal, AISSMS COE, Pune and Co-coordinator, BOS, Electronics, SPPU, Pune.

The function was concluded with the vote of thanks by Dr. P. P. Mane.

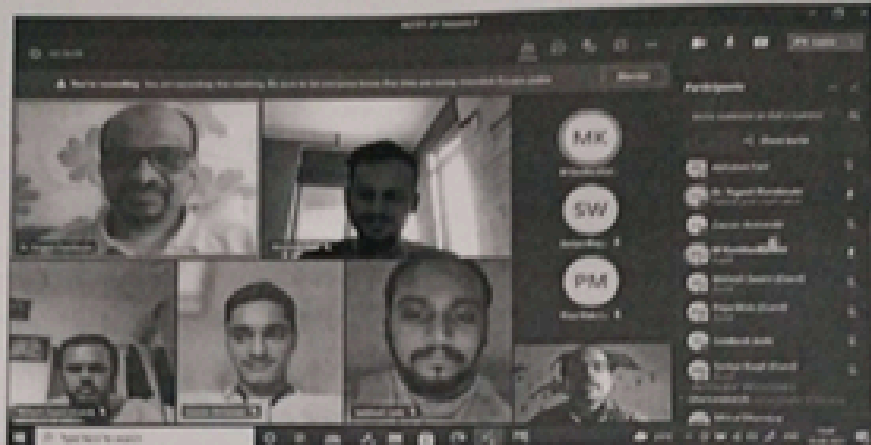


Dr. Ram Bilas Pachori while presenting keynote speech.

The key note address was given by Dr. Ram Bilas Pachori after the inaugural function on the topic Fourier-Bessel series expansion based empirical wavelet transform for non-stationary signals.

After lunch, the paper presentation sessions were started in online mode on Microsoft Teams. Twelve parallel sessions of paper presentation were conducted.

Session	Internal session chair	External session chair
S1	Dr. P. P. Mane and Prof. P.H. Mohite	Dr. D. K. Shedge
S2	Dr. K. S. Tiwari and Prof. P. S. Tendewad	Dr. B. D. Jadhav
S3	Dr. P. N. Kota	Dr. Y. H. Dandwate
S4	Prof. B. M. Narate and Prof. Pratiksha Nandanwar	Dr. Mihra
S5	Dr. M. P. Dale and Prof. N. Masood	Dr. Rajesh Bodade
S6	Prof. Y. M. Ajar	Dr. Shailendra Badwaik
S7	Dr. P. B. Chopade	Dr. Prachi R.
S8	Prof. U. V. Bomble	Dr. Vrushali G Raut
S9	Prof. A. A. Dhavlikar	Dr. Vinayak Bairagi
S10	Prof. S. N. Dharwadkar	Dr. Somnath Dhonde
S11	Prof. Priyanka Bagul	Prof. Anagha Kurte
S12	Prof. S. S. Pansare and Prof. U. D. Datasarnjhe	Dr. Varsha Harpale



Session 3 photo

Best paper Awards based on technical contents and presentation skills, are given to the presenters from each session.



*M. M. Dhanvijay*  
 Prof. M. M. Dhanvijay  
 Coordinator  
 National Conference (ACCET-2021)

*P. P. Mane*  
 Dr. P. P. Mane (Head, Department of E&Tc Engg.)  
 Convener  
 National Conference (ACCET-2021)

Prepared by  
 Prof. S. S. Pansare  
 Prof. M. M. Dhanvijay