SRI VENKATESWARA COLLEGE OF ENGINEERING
Department of Electronics and Communication Engineering

Date: 17-Mar-2021

Submitted to: The Principal

Through HOD - EC

Subject - Request to approve the proposal for conducting National Conference - regarding

The Department of ECE proposes to conduct a 'National Conference on Signal Processing, Communication and Networking, NCSPCN-2021' through <u>online mode</u> on 07-05-2021 (Friday), as part of the research activities. It is planned to have 2 experts for Keynote Address from the Indian Institute of Technology, Madras or from the College of Engineering, Guindy, Anna University. The Technical Programme includes **Paper Presentation Session and Poster Presentation Session**. The targeted audience are Research Scholars, Faculty Members from various Engineering colleges, UG and PG Students. The estimated budget is Rs.7000/-. The detailed breakup of estimated expenses is given below.

BUDGET for National Conference - NCSPCN 2021

PROJECTED EXPENSES	Rs.
Honorarium for 2 Experts	5000/-
Award for Best - Paper Presentation + Poster	1500/-
Miscellaneous Expenses	500/-
TOTAL PROJECTED EXPENDITURE	7000/-
EXPECTED REVENUE	Rs.
Registration Charges for expected 30 participants (Rs.300/participant)	9000/-
External Sponsorship	2000/-
TOTAL EXPECTED REVENUE	11000/-

Any additional revenue generated through the conference will be returned to the college. We request you to kindly approve the proposal for conducting the 'National Conference on Signal Processing, Communication and Networking, NCSPCN-2021' through <u>online mode</u>.

Kindly do the needful.

Thank you

Dr. S. R. Malathi
Co-ordinator

Dr. G. Padmavathi
Co-ordinator

Dr. S. Muthukumar
HOD-EC

(P. T. O.)

To: Dean-R
pl check if there is a need to Conduct a NC based on our objectives or whether we can plan for an alternate event

Sir,

In my opinion, we are fulfilled ISO requirements for college level activity.

But, National level conference funded by SVCE is added advantage for ECE dept.

(i) R X D utilization point of view

(ii) NBA X NAAC

(iii) Research Centre

We can also involve our EC/CS/EE/IT Research Scholars for the same.

I think the dept. requesting Rs. 7000/- from the Management.

You can recommend Sir without any hesitation

19/3/2021

To: HOD-ECE
Approved
19/3

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

NATIONAL CONFERENCE ON
SIGNAL PROCESSING, COMMUNICATION & NETWORKING
(NCSPCN-2021)
MAY 7th, 2021

ABOUT THE COLLEGE

Sri Venkateswara College of Engineering (SVCE), a premier self-financing engineering college was started in the year 1985 and is managed by Sri Venkateswara Educational and Health Trust. The college attained autonomous status in 2016. SVCE has 10 under graduate and 10 post graduate programmes in Engineering and Technology. The college has 11 research centers recognized by the Anna University, Chennai, which cater to MS (by Research) and Ph.D programmes. The courses are approved by AICTE and affiliated to Anna University, Chennai.

The college is accredited by National Assessment and Accreditation Council (NAAC). The college is also certified by IRQS for ISO 9001:2015. The college is situated in serene environment about 37 kms from Chennai and is situated on the way of Chennai – Bangalore National Highway (NH4) at Pennalur, Sriperumbudur, in Kanchipuram district. The campus is Wi-Fi enabled.

ABOUT IETE

IETE Chennai Centre being the head of all ISFs surrounding the demography of Chennai, has been a keen supporter towards the welfare of student community, through its Student Forums.
IETE Student Forum of SVCE, supported by IETE Chennai Centre has been a body devoted to enlightenment of students through various technical events, thereby providing a wholesome learning experience.

ABOUT THE DEPARTMENT

The Department of ECE was started in the year 1985 and is presently accredited by the NBA. The post graduate program (M.E) in Communication Systems was started in 2002 and Applied Electronics in 2012. There are about 35 faculty members in the department and 10 of them are doctorates. The department is well equipped with lab facilities and software tools like IE3D, ADS, CST Studio, Lab View, Tanner Tools, Cadence, MATLAB, PCB Prototype Machine.

ABOUT THE CONFERENCE

NCSPCN - 2021 aims to serve as a forum for experts from industries and institutions to share their knowledge and experience, thereby leading to synergy of technologies in Electronics, Communication Systems, Networks and Signal Processing.

The technical programme of the proposed conference NCSPCN-2021 includes two keynote addresses by eminent personalities and paper presentation sessions. The broader scope of the conference includes, but not limited to the topics listed below.

- Ad hoc & Sensor Networks
- Bio-Medical Signal Processing
- Cognitive Radio & Dynamic Spectrum Management
- DSP Algorithms & Applications
- Electronic Systems
- Microwave (Antenna/Measurements/EMI/EMC)

- MIMO Systems
- Networking & Communication Engineering
- Optical Network Protocols
- Security in Communication & Networking
- Signal, Image Processing & Machine Learning
- Soft Computing

CALL FOR PAPERS

Researchers, Academicians, PG / UG students and personnel from industries are invited to submit their research work for oral presentation through online mode to ncspcn2021@svce.ac.in. Submitted research work must be original and should not have been presented or published anywhere else.

INSTRUCTIONS TO AUTHORS

- Prospective authors are requested to submit the full paper through mail to ncspcn2021@svce.ac.in
- Research papers must be submitted in the IEEE paper format with .docx extension, not exceeding six pages.
- Submitted papers will be evaluated based on the originality and technical novelty.
- Accepted Papers will be presented orally through online mode.
- All the registered and presented papers will be published in the conference proceedings.
- The extended versions of the selected papers will be recommended in the below listed journals as well as SCOPUS Indexed journal / UGC approved journal (Will be intimated later), with author's consent, with nominal additional charges.
  - ➤ International Journal of Engineering Research, ISSN (Print): 2347-5013; ISSN (Online) 2319-6890
  - ➤ International Journal of Electronic Devices and Networking, P-ISSN: 2708-4477, E-ISSN: 2708-4485

REGISTRATION FEE AND LINK

- The registration fee is Rs.300/-. The Gpay number to pay the registration fee is 9840107344
- Interested participants can register in the following link and also upload the registration fee payment proof (Transaction ID Screen Shot) - https://forms.gle/tMQ644s9t4mN6Rje8
- Registration fee includes conference proceedings in softcopy and e-Certificate.
- Registration is compulsory for presentation and participation.

DATES TO REMEMBER

Last Date for Submission of full-length paper	23.04.2021
Notification of Acceptance	28.04.2021
Last date for submission of camera-ready paper	01.05.2021

CHIEF PATRON
Dr. M. Sivanandham, Secretary, SVEHT

PATRON
Dr. S. Ganesh Vaidyanathan, Principal
Dr. KR. Santha, Vice-Principal

CONVENOR
Dr. S. Muthukumar, Professor & HOD, ECE

COORDINATORS
Dr. G. Padmavathi, Professor ,ECE (9600138593)
Dr. S. R. Malathi, Assoc. Prof. , ECE (9962534922)
Ms. S. M. Mehzabeen, AP ,ECE (7502357937)

CONTACT
The Coordinators, NCSPCN - 2021,
Department of ECE, Sri Venkateswara College of
Engineering, Pennalur, Sriperumbudur - 602117
Phone No: 044-27152000, Extn-201, 225
Website: https://www.svce.ac.in
E-mail: ncspcn2021@svce.ac.in

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Dr.Tata Sudhakar,Ex - Chairman, IETE Chennai Centre

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Dr. S. Sutha, Assistant Professor,ECE

SRI VENKATESWARA COLLEGE OF ENGINEERING
Department of Electronics and Communication Engineering

Online National Conference on Signal Processing, Communication and Networking - NCSPCN-2021

PROGRAMME AGENDA : 7th May 2021	
Inauguration (meeting link: https://meet.google.com/hyf-vdxy-oxq?hs=122&authuser=0)	
09.00 - 09.05 a.m	*Prayer Song by Mr.B. Sankara Narayanan, student, II year ECE*
09.05 - 09.15 a.m	*Welcome Address - Dr. S. Muthukumar, HoD-ECE, SVCE*
09.15 - 09.25 a.m	*Special Address – Dr. S. Ganesh Vaidyanathan, Principal, SVCE*
09.25 - 09.30 a.m	*Chief Guest Introduction - Dr. G. Padmavathi, Professor, ECE, SVCE*
09.30 - 09.35 a.m	*Conference Proceedings (NCSPCN-2021) release by our Chief Guest, Dr. Tata Sudhakar*
09:35 - 10:30 a.m	*Inauguration and Key Note Address by Dr. Tata Sudhakar, Group Head, Ocean Electronics Group, NIOT, former chairman IETE Chennai centre (TOPIC:" Oceanography Ship - Navigation and Survey ")*
10.30 - 10.45 a.m	*Break*
10.45 – 12.45 p.m	***Paper Presentation - 3 Parallel Sessions***
Paper presentation - Session – I	
10.45 - 12.45 p.m	*Meeting link – https://meet.google.com/mbv-vhdb-hrk?hs=122&authuser=0* ***Session chair:*** *Dr.K.Senthilkumar, Associate Professor,ECE, Rajalakshmi Engineering College* *Dr.S.Kumaravel, Assistant Professor, EEE, SVCE* *Dr.P.Ashok, Assistant Professor, ECE,SVCE*
Paper presentation - Session – II	
10.45 - 12.45 p.m	*Meeting link – https://meet.google.com/qfj-juxi-jib?hs=122&authuser=0* ***Session chair:*** *Dr. Sheeja V Francis, Professor and Head, BME, Jerusalem College of Engineering* *Dr.R.Gayathri, Professor, ECE, SVCE* *Dr. N. Rajeswari, Associate Professor, CSE, SVCE*
Paper presentation - Session – III	
10.45 - 12.45 p.m	*Meeting link –https://meet.google.com/kas-vomk-gey?hs=122&authuser=0* ***Session chair:*** *Dr. N.Kumaratharan, Professor, ECE, SVCE* *Dr. P.Janarthanan, Associate Professor, CSE, SVCE* *Dr.V.M.Sivagami, Associate Professor,IT, SVCE*
12:45 - 01:45 p.m	***LUNCH BREAK***

Valedictory (meeting link : **https://meet.google.com/djn-xcot-cnw?hs=122&authuser=0**)	
1.45 - 1.50 p.m	*Chief Guest Introduction - Mrs. B. Sarala, Assistant Professor, ECE, SVCE*
1.50 – 2.45 p.m	*Keynote Address by Dr.N.Venkateswaran, Professor, Department of ECE, SSN College of Engineering, Chairman IETE Chennai centre.* *(Topic: Intelligent Reflecting Surface for Future Wireless Communications)*
2:45 - 3.00 p.m	*Feedback from Participants*
3:00 - 3:15 p.m	*Vote of Thanks - Dr. S.R. Malathi, Associate Professor, ECE, SVCE*

Coordinators:
Dr. G. Padmavathi, (Contact - 9600138593)
Dr. S. R. Malathi, (Contact - 9962534922)
Ms. S.M.Mehzabeen (Contact - 7502357937)

(An Autonomous Institution affiliated to Anna University, Chennai)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

In association with IETE, Chennai

Cordially invites you for the

Online National Conference on Signal Processing, Communication & Networking

NCSPCN-2021

Inauguration and Key Note Address by

Dr. Tata Sudhakar

**Group Head, Ocean Electronics Group, NIOT,
Former Chairman, IETE Chennai**

TOPIC: "OCEANOGRAPHY SHIP-NAVIGATION AND SURVEY"

Venue : Online mode
(meeting link: https://meet.google.com/hyf-vdxy-oxq?hs=122&authuser=0)

Date : 7th May, 2021

Time : 9.00 a.m to 10.30 a.m

…… ALL ARE HEARTILY INVITED …...

S∨CE | Sri Venkateswara College of Engineering

(An Autonomous Institution affiliated to Anna University, Chennai)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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Cordially invites you for the

Online National Conference on Signal Processing, Communication & Networking

NCSPCN-2021

Valedictory and Key Note Address by

Dr. N.Venkateswaran

**Professor, Dept of ECE, SSN College of Engineering
Chairman, IETE Chennai**

TOPIC: "INTELLIGENT REFLECTING SURFACE FOR FUTURE WIRELESS COMMUNICATIONS"
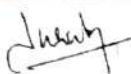
Venue : Online mode

(meeting link : **https://meet.google.com/djn-xcot-cnw?hs=122&authuser=0**)

Date   : 7th May, 2021

Time   : 1.45 p.m to 3.15 p.m

……ALL ARE HEARTILY WELCOME …..

svce.ac.in

SRI VENKATESWARA COLLEGE OF ENGINEERING

FEEDBACK FROM THE SPEAKER - GUEST LECTURE

DEPARTMENT	:	ECE
Name of the Speaker	:	Dr.N. Venkateswaran
Designation	:	Professor
Institution/University/Organization:		Department of ECE, SSN College of Engineering, Chairman IETE Chennai Centre
Mobile / E-mail	:	94434 68070 / venkateswarann@ssn.edu.in
Title of the Lecture	:	"Intelligent Reflecting Surface for Future Wireless Communications"
Date	:	07/05/2021
Time	:	01:45 PM
Venue	:	Online Mode
Comments by the Speaker	:	Many Congratulations for the organizers for conducting the NCSPCN-2021. It was well organized and planned in advance. Proceeding was released during the inaguaration. Large number delegates participated even during Covid-19 pandemic is worth mentioning.
Suggestions for improvement	:	The conference can get to the next level. Number days should be increased to two or three. Some tutorials may be planned on the theme of the conference. Good number of papers may selected and recommended for publication in suitable Journals. Few papers may be awarded "Best papers" of the conference.
Signature of the Speaker	:	

Dr.S.Muthukumar

SRI VENKATESWARA COLLEGE OF ENGINEERING

FEEDBACK FROM THE SPEAKER - GUEST LECTURE

DEPARTMENT	:	ECE

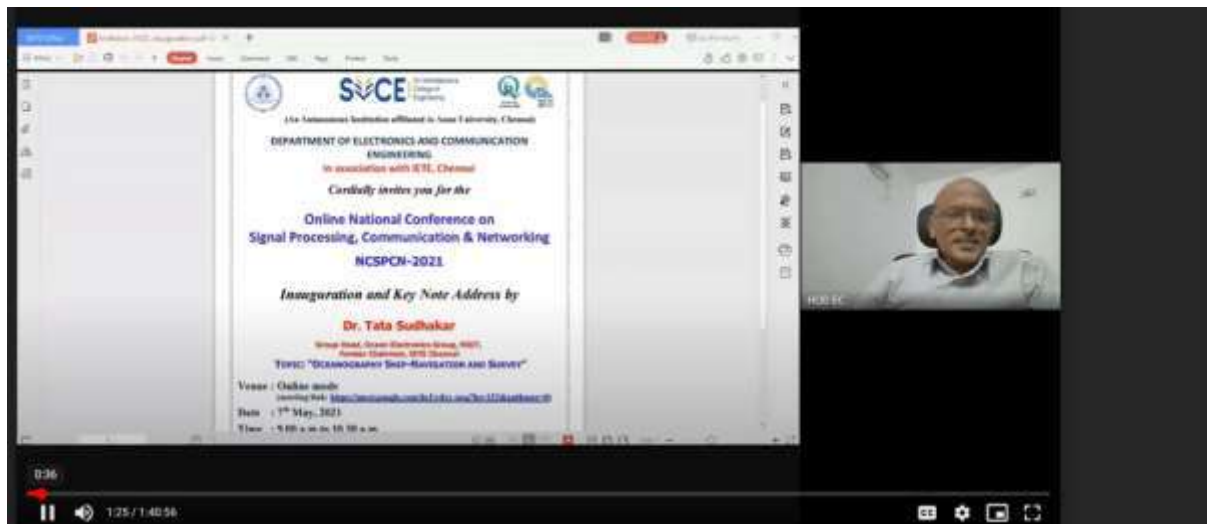|		
Name of the Speaker	:	Dr.Tata Sudhakar
Designation	:	Group Head
Institution/University/Organisation	:	Ocean Electronics Group, NIOT, former chairman IETE Chennai centre
Mobile / E-mail	:	94443 99844 / tatasudhakar@gmail.com
Title of the Lecture	:	"Oceanography Ship - Navigation and Survey"
Date	:	07/05/2021
Time	:	09:35 AM
Venue	:	Online Mode
Comments by the Speaker	:	The program is well organized and it is always very nice interacting with your collage. As I speaker I had good experience with responsive audience who have asked quality questions.
Suggestions for improvement		If any authors are interested, we can publish the papers in Horizon, the IETE digital library
Signature of the Speaker	:	

-sd Tata Sudhakar

Dr.S.Muthukumar

A Report on NCSPCN'21 organized on May 7th, 2021 by the Department of ECE.
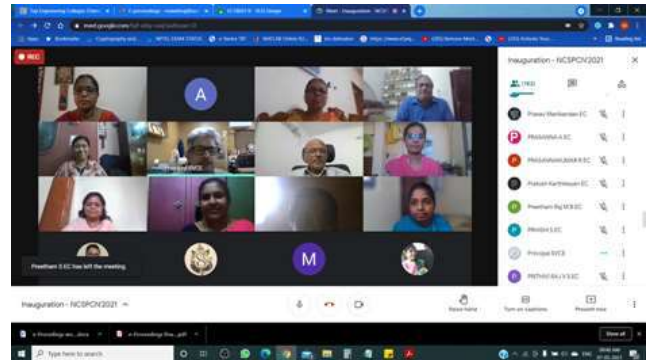
The Department of Electronics and Communication Engineering, Sri Venkateswara College of Engineering organized a One-day Online National Conference on "Signal Processing, Communication and Networking" NCSPCN'21 on May 7th, 2021.

The conference was coordinated by Dr.G.Padmavathi, Professor, Dr.S.R.Malathi, Associate Professor, and Ms.S.M.Mehzabeen Assistant Professor of the Department of ECE. The organizing team members were Ms. T. J. Jeyaprabha, Assistant Professor, Ms. R. Kousalya, Assistant Professor, Ms. B. Sarala, Assistant Professor, Ms. S. Radhika, Assistant Professor, Ms. M. Vidya, Assistant Professor, Ms. S. M. Mehzabeen, Assistant Professor, Dr. K.Ashwini, Assistant Professor and Dr. S. Sutha, Assistant Professor of the Department of ECE.

The conference was started with the prayer song, sung by Mr. B. Sankara Narayanan, II year ECE, SVCE. Dr.S.Muthukumar, Head of the Department of Electronics and Communication Engineering addressed the gathering and gave the welcome address.
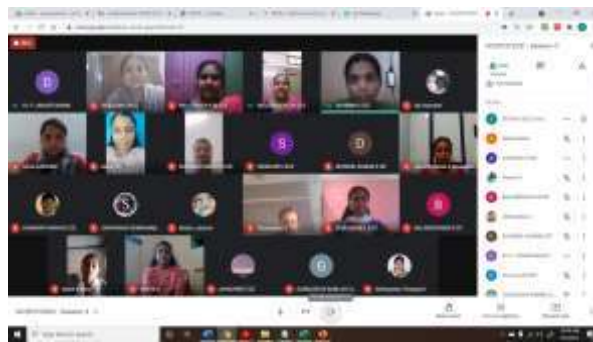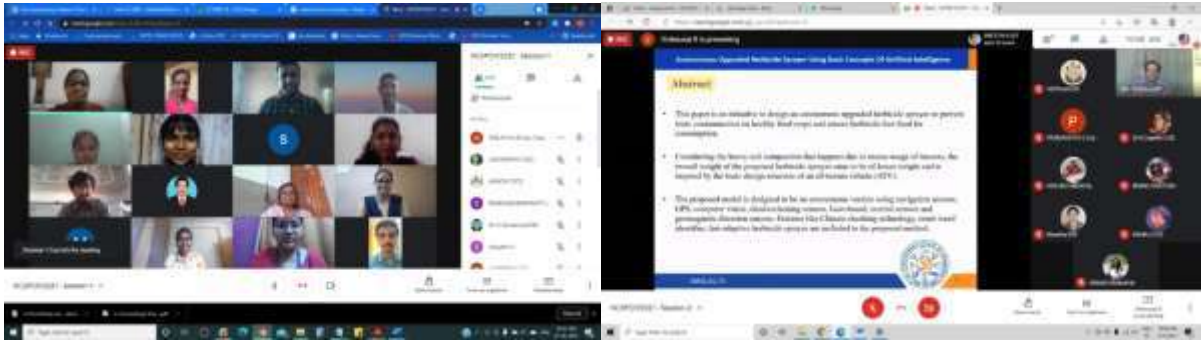
The special address was given by Dr. S. Ganesh Vaidyanathan, Principal, SVCE. Dr. G. Padmavathi, Professor, ECE, SVCE introduced the chief guest Dr. Tata Sudhakar, Group Head, Ocean Electronics Group, NIOT, Former Chairman, IETE, Chennai. The Conference was formally inaugurated by the chief guest by releasing the e-proceedings of NCSPCN' 21.
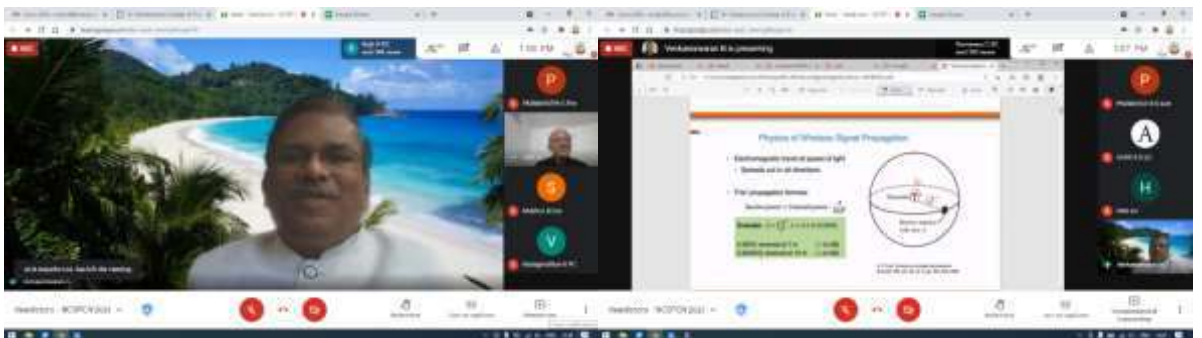

The chief guest Dr. Tata Sudhakar gave the Keynote address on the topic, "Oceanography ship – navigation and survey" in which he elaborated about the navigation systems and sensors, their advancements, and the various research issues to be addressed.

The inaugural address was followed by paper presentation sessions, which was conducted in three sessions. Session-I was in the field of VLSI and was chaired by Dr. K. Senthil Kumar, Associate Professor, ECE, Rajalakshmi Engineering College, Dr. S. Kumaravel, Assistant Professor, EEE, SVCE and Dr.P.Ashok, Assistant Professor, ECE,SVCE. Session-II was chaired by Dr. Sheeja V Francis, Professor and Head, BME, Jerusalem College of Engineering, Dr. R. Gayathri, Associate Professor, ECE, SVCE and Dr. N. Rajeswari, Associate Professor, CSE, SVCE. Session-III was chaired by Dr. N.Kumaratharan, Professor, ECE, SVCE, Dr. P.Janarthanan, Associate Professor, CSE, SVCE and Dr.V.M.Sivagami, Associate Professor, IT, SVCE.

After the technical sessions got over, a Keynote Address was given by the chief guest Dr. N.Venkateswaran, Professor, Dept of ECE, SSN College of Engineering, Chairman, IETE Chennai on the topic "Intelligent Reflecting Surface for Future Wireless Communications", who was introduced by Ms. B.Sarala, Assistant Professor, ECE.

Following the keynote address, Dr.S.Muthukumar, HOD, ECE, gave the Valedictory Address and announced three best paper awards and cash reward of 1000/- from each of the technical sessions. The titles of the best papers are as follows: 1) Early detection of respiratory illness, Sri Sairam Engineering College, 2) Activity recognition in wearables, SVCE, 3) Design of an implantable antennas for biomedical applications, Dr.Mahalingam College of Engineering and Technology, Pollachi. & Sri Eshwar College of Engineering and Technology, Coimbatore.

A total of 33 papers of good quality were selected by the review committee based on the novelty of the work relevant to the latest research topics and the real-world applications. 28 papers were presented in the conference. The extended version of all the presented papers will be published in the following journals a) International Journal of Engineering Research, b) International Journal of Electronic Devices and Networking, c) Turkish Journal of Computer and Mathematics Education, as per the choice of the prospective authors.

The conference was concluded with the Vote of Thanks by Dr.S.R.Malathi, Associate Professor, ECE, SVCE. On behalf of the Department of ECE, the coordinators and organizers expressed their gratefulness to the sponsor IETE – Chennai and to the participants across various colleges. We express our deep sense of gratitude to our Management and Dr.M.Sivanandham, Secretary, SVEHT for the constant support and guidance for all the activities of the ECE Department.

Dr.S.R.Malathi
Coordinators

Dr.S.Muthukumar
HOD-ECE