



DHANALAKSHMI SRINIVASAN ENGINEERING COLLEGE

(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

Accredited with 'A' Grade by NAAC & Accredited by NBA for BME, ECE, EEE

Perambalur – 621 212, Tamilnadu

REPORT
ON
NATIONAL CONFERENCE
NCON '20

MARCH 13, 2020

STD - 04328
 220555, 291255

**DHANALAKSHMI SRINIVASAN
 CHARITABLE & EDUCATIONAL TRUST
 PERAMBALUR - 621 212. Tamil Nadu.**

நிறுவனர் ஐயா-செய்தி



தேதி: 10.03.2020

இடம்: பெரம்பலூர்

தனலட்சுமி சீனிவாசன் பொறியியல் கல்லூரியில் உள்ள பல்வேறு துறைகளின் சார்பில் மார்ச் 13, 2020 தேசிய அளவிலான கருத்தரங்குகள் நடைபெறுகிறது என்பதை கூறுவதில் மகிழ்ச்சி அடைகிறேன். இன்றைய உலக சந்தையில் நிகழும் நிகழ்ச்சிகள், தொழில் நுட்பங்கள் மற்றும் தொழில்நுட்பம் சம்மந்தப்பட்ட போட்டிகளை எதிர்கொள்வதற்கு நிறைய நேரம் செலவிடவேண்டியிருக்கிறது. இதற்கான திறன்களை உருவாக்குதல் மற்றும் வெளிப்படுத்தல் சம்மந்தப்பட்ட அறிவும் இன்றியமையாததாக மாறிவிட்டது. DSEC-ல் நடைபெறவிருக்கும் தேசிய அளவிலான ஒருநாள் கருத்தரங்குகள் (NCON 2020) மாணவர்களின் திறமை மற்றும் படைப்பு போன்ற அம்சங்களை வெளியே கொண்டுவரும் ஒரு தளமாக அமையும் என உறுதி அளிக்கிறேன். இந்த கருத்தரங்குகள் பல்வேறு துறைகளின் புதிய தொழில்நுட்பங்களை அறிந்துகொள்ளவும், மேம்படுத்தவும் உதவும் என்பதில் மகிழ்ச்சி அடைகிறேன். தனலட்சுமி சீனிவாசன் கல்விக்குழுமம் முழுமனதோடு புதுமையான தகவல் தொழில்நுட்பங்களை அறிந்துகொள்ள முழுமுயற்சி அளிப்பதோடு, ஆதரவும் அளிக்கும் என்பதை உறுதியாக கூறுகிறேன். மாணவர்கள் மற்றும் ஆசிரியர்கள் மேம்பாட்டிற்காக அனைத்து துறையிலும் நடத்தப்படும். இந்த தொடர் கருத்தரங்கு முழுமையாக வெற்றியடைய வாழ்த்துகிறேன்.

அன்புடன்
 திரு.அ.சீனிவாசன்
 நிறுவனர்-தலைவர்,
 தனலட்சுமி சீனிவாசன் கல்விக்குழுமம்



STD - 04328
☎ 220444, 220333

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bsi.

PERAMBALUR - 621 212. Tamil Nadu.

Message from Principal



“Success is peace of mind which is a direct result of self-satisfaction in knowing you did your best to become the best you are capable of becoming.”

-John Wooden

I am extremely happy to convey that our college is conducting a Second Series of National Conference-2020 (NCON-20) for all the departments in order to provide a forum for layering the foundations of new principled approach to engineering and technology.

Explosion in technology coupled with diversified application has to overcome stiff competition on the face of ‘globalization’. To stay in the race and sustain the growth, brevity, spatial and temporal optimization is the key. New methodologies do join hands with fascinating new techniques in the field of multivariate applications.

I perceive that sky is the limit for the youth in their quest for advancement and coverage of new horizons of knowledge. I have no doubt what so ever that the participation will bring new ideas with a single objective to pool up their knowledge and enhance the unraveling of scientific innovations.

I wish all the best to the organizers and participants, for the success of the conference.

With Regards

7/11/03/2020
Dr. S. Durairaj, Ph.D, PDF,
Principal,
DSEC, Perambalur.

Second Series of National Conference - 2020

(NCON-2020)

Organized By

**Dhanalakshmi Srinivasan Engineering College
(DSEC)
Perambalur, TamilNadu**



Date: 13th & 14th March 2020

CALL FOR PAPERS: The Organizer cordially invites full paper in doc format indicating Title of paper, Name(s) of author(s), organization affiliation to participate in the 2nd *Series of National Conference -2020*. Topics of interest for submission includes various sub themes, but are not limited. The aim of the *NCON-2020* conference is to provide a forum for laying the foundations of a new principled approach to Engineering & Technology. To this end, the meeting aims to attract participants with different backgrounds to expose and discuss innovative theories, frameworks, methodologies, tools, and applications for sustainable development. All contribution should be of high quality, Original and not published elsewhere or submitted for publication. All selected papers will be published in NCON-2020 proceedings.

BME: Conference on Biomedical and Health Informatics (BHI)

Themes:

- Medical Devices, Medical Imaging, and Bio signal Processing
- Biomedical Informatics and e-health
- Cyber security and Healthcare Information
- Biodata management and analytics
- Advanced mHealth inspired applications
- User interaction systems and data/information exchange
- Personalized health systems
- Preventive and multimorbid disease management tools
- Patient safety and efficient public health systems
- Biomedical Informatics and Technology Education etc...

CIVIL: Conference on Civil and Building Engineering Informatics

Themes:

- Building Information Modeling(BIM)
- Civil/Construction Information Modeling(CIM)
- IoT, Sensors, and Monitoring
- AI and Data Analysis
- Information and Process Management
- Computer Simulation and Analysis
- Visualization and XR (VR/AR/MR)
- GIS and Urban Planning
- Computer-aided Construction (incl. Machine Control and Robotics)
- Facility and Infrastructure Management
- ICT in Geotechnical and Environmental Engineering
- Alternative Building Materials etc...

CSE/IT: Conference on Smart Intelligent Computing and Applications

Themes:

- Artificial intelligence
- Blockchain Technology
- Internet of Things (IoT)
- Quantum & Membrane computing
- Probabilistic methods
- Image processing Computer vision
- Speech recognition
- Big Data Analytics
- Evolutionary Computation & Algorithm
- Randomness Monte Carlo methods
- Algorithmic probability
- Chaos & Game theory
- Cryptography
- Pattern recognition
- Practical Problems.etc...

ECE: Conference on Innovations in Electronics and Communication Engineering

Themes:

- Image & Video Processing
- Digital & Radar signal processing
- Speech Synthesis & Signal Processing
- Computer Vision & Artificial Intelligence
- Wireless Sensor Networks (WSNs)
- Communication for intelligent transportation
- Optical & Satellite Communication
- Microwave Field & Techniques
- Microwave Passive Components
- Biomedical Equipment & Instrumentation
- Embedded Networking
- VLSI Technology
- Nano Technology
- Cognitive Electronics
- Microwave Components and Antenna Design etc...

EEE: Conference on Automation and Electrical Engineering

Themes:

- Control and Automation
- Thin film Technology
- Electronics Engineering and Electrical Engineering
- Modeling and Simulation
- Robotics
- Home Automation / Industrial Automation using IoT
- Smart Energy Meter using GSM
- Solar & Smart Energy Systems
- Automatic Solar Tracker
- Arduino Projects
- Smart Energy Projects
- PCB Application
- Smart Traffic Lighting System
- Electric Vehicle Applications
- Multiphase Transmission System
- Power Quality etc....

MECH: Conference on Recent Trends in Metallurgy, Materials, Manufacturing and Aeronautical Engineering

Themes:

- Extractive / process metallurgy
- Mechanical behavior of materials
- Phase transformations and heat treatment
- High entropy alloys
- Surface engineering - Coatings, Corrosion, Wear & Tribology

- Functional materials, biomaterials, smart materials
- Materials testing and characterization
- High temperature materials
- Process modeling and simulation
- Unconventional manufacturing
- Additive manufacturing
- Functionally Gradient materials
- Non Destructive Testing
- New Materials for Energy
- Superconducting Materials
- Smart Materials
- Sustainability and Effectiveness of New Materials
- Aerospace Mechatronics and Avionics Systems
- Aerospace Communications
- Aerospace Engineering and Management
- Aircraft Navigation
- Advanced theoretic models
- Space Technology
- Navigation System
- MEMS(Micro-Electro-Mechanical Systems)etc...

MBA: Conference on Work, Culture & Organizations

Themes:

- Organizational Development & Organizational Effectiveness(OD and OE)
- Learning & Leadership Development
- Talent Acquisition & Management
- Indian Value & Culture, Entrepreneurship
- Global Financial Trends, Marketing Communication
- Diversity and inclusion (D&I)
- Employee Engagement
- Workplace Wellness
- Work life Balance
- Ethics & Corporate Social Responsibility
- Stress Management
- Human Resource Planning etc...

Who Can Attend?

- Faculty of Engineering / S&H / Polytechnic
- Research Scholar
- PG Students
- UG-Final Year Students
- Industrial delegates

Mandatory steps to be followed:

1. In case of multi authored research paper, at least one Registration is mandatory. If other co-authors come to conference site they need to pay full registration fee as per their designation.
2. In case other author/co-author wish to physically attend the conference they need to pay full Registration fees individually, separate Certificate along with the conference kit will be issued to them. Co- Authors are requested to fill & submit separate Registration forms in case they are physically attending the conference.
3. Charges for extra copy of Proceeding/ Certificate for other Co-author (if required) should be paid along with preliminary Registration by the corresponding author.
4. One night paid accommodation facility will be made available on request.

Silver Jubilee Celebrated at DS Group



Registration Fees:

The participants are requested to register by sending the duly filled Registration form through e-mail along with their Research paper and registration fees (**through NEFT/Cash Deposition and Online Transfer or through DD in favour of “The Principal, Dhanalakshmi Srinivasan Engineering College” payable at “Perambalur”**) along with registration form. The fee includes conference material, Lunch and Refreshment.

Bank Details mention below for NEFT / Online Transfer:

Beneficiary Name : The Principal
Bank Name : Canara Bank
Bank Address : Perambalur
Account No. : 1214101057312
Account Type : SAVING A/C
IFSC Code : CNRB0001214

Registration Charges:

Categories	Indian Delegates
Academic faculty	Rs.1000
Industrial Delegates	Rs.1200
Research Scholars / NGO	Rs.600
Students (B.E./M.E/Polytechnic etc)	Rs.500
Proceeding & Certificate (additional copy) for Co-Authors (if required)	Rs.500
Only Certificates (Co-Authors)	Rs.250

Important Dates:

Intimation of Acceptance : 05 March, 2020
 Submission of full length Paper : 29 February, 2020
 Registration : On or before 10 March, 2020

For further information and Latest Updates, write us or Contact:

Name : Dr. K.Anbarasan
(Vice Principal)
Contact Telephone No. : 04328-220333
Mobile No : 9962444876
Email : vp@dsengg.ac.in
Visit our Website : <http://www.dsengg.ac.in/>



DHANALAKSHMI SRINIVASAN ENGINEERING COLLEGE

Perambalur - 621212

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Perambalur, Tamilnadu – 621 212.

NATIONAL CONFERENCE 2020 (NCON-2020)

Date: 13.03.2020 | Time: 10.00 am

Venue: Central Auditorium

To:

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In Association With



*Advancing Technology
for Humanity*

INSTITUTE OF ELECTRICAL AND
ELECTRONICS ENGINEERS



INDIAN SOCIETY FOR TECHNICAL EDUCATION



THE INSTITUTION OF ENGINEERS (INDIA)



COMPUTER SOCIETY OF INDIA



BIOMEDICAL ENGINEERING SOCIETY OF INDIA



YUVA PROFESSION SOCIETY



INDIAN SOCIETY OF STRUCTURAL ENGINEERS



THE INSUTITION OF ELECTRONICS AND
TELECOMMUNICATION ENGINEERS



**DHANALAKSHMI SRINIVASAN
ENGINEERING COLLEGE**



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Perambalur, Tamilnadu – 621 212.

NATIONAL CONFERENCE 2020 (NCON-2020)

The Management, Principal, Vice Principal, Dean, HODs, Staff & Students of DSEC
solicits your presence for the National Conference 2020 (NCON-2020) on
13th March 2020 at 10.00 am

Shri. A. Srinivasan

Founder & Chairman

Dhanalakshmi Srinivasan Group of Institutions

Tamilnadu | Puducherry | Andhra | Telangana | Karnataka

Presides

Chief Guest

Inaugural Function

Col.Prof.N.Ramachandran

Educantionist, Former Vice-Chancellor,
Tamilnadu & Maharashtra.

Valediction Function

Dr.P.A.Manoharan

Chairman, IEEE Madras Section.

Dr.A.Sankara Subramanian

Chairman, ISTE Tamilnadu Section.

Dr. S. Durairaj M.E., Ph.D.,

Principal

Dhanalakshmi Srinivasan Engineering College

Felicitates

All are Welcome

NCON-2020 CONFERENCE DETAILS

TITLE	NAME OF THE CONFERENCE	ORGANIZED BY	SESSION CHAIR
NCBMHI	National Conference on Biomedical and Health Informatics	BME	Dr. M.C. Jobin Christ Professor, Department of Bio-Medical Eng, Rajalakshmi Engineering College, Chennai.
NCCBEI	National Conference on Civil and Building Engineering Informatics	CIVIL	Dr.G.Vengatesan Professor, Department of Civil Engineering, AUT, BIT Campus, Tiruchirappalli. Dr.P.Sureshkumar Professor, Department of Civil Engineering, UCE, Ariyalur.
NCSICA	National Conference on Smart Intelligent Computing and Applications	CSE/IT	Dr. A. Ramachandran Associate Professor, Department of CSE, B.S. Abdul Rahaman Crescent Institute of Science & Technology Chennai. Dr. S. Sathiyadevi Sri Associate Professor, Department of IT, UCE – BIT Campus.
NCIECE	National Conference on Innovations in Electronics and Communication Engineering	ECE	Dr. G. Mahendran Professor & Head, Department of ECE, Syed Ammal Engineering College, Ramanathapuram.
NCAEE	National Conference on Automation and Electrical Engineering	EEE	Prof. N. Shobana Devi Professor & Head, Department of EEE, University College of Engineering, Ariyalur.
NCRTM	National Conference on Recent Trends in Metallurgy, Materials, Manufacturing and Aeronautical Engineering	MECH	Dr. S. Karhikeyan Professor & Head, Department of Mechanical Eng, Syed Ammal Engineering College, Ramanathapuram.
NCWCO	National Conference on Work, Culture & Organizations	MBA	Dr.M. Robinson Professor, Department of Management Studies, Anna University, (BIT Campus), Tiruchirappalli.

AGENDA

Venue: Central Auditorium

Timing	Details
10.00 am - 10.02 am	Receiving the Guest
10.02 am - 10.05 am	Invocation
10.05 am - 10.07 am	Lighting Kuthuvilakku
10.07 am - 10.15 am	AV Show
10.15 am - 10.25 am	Welcome Address Overview of NCON - 2020
10.25 am - 10.30 am	Honoring the Guest
10.30 am - 10.35 am	Release of Proceedings Hard Copy & Soft Copy
10.35 am - 10.45 am	Presidential Address
10.45 am - 10.50 am	Introduction of Chief Guest
10.50 am - 11.00 am	Inaugural Address
11.00 am - 11.05 am	Announcement of Technical Session
11.05 am - 11.10 am	Vote of Thanks

AGENDA

Venue: DSEC Auditorium

04.30 pm - 04.33 pm	Receiving the Guest
04.33 pm - 04.36 pm	Invocation
04.36 pm - 04.50 pm	AV Show
04.50 pm - 04.55 pm	Welcome Address
04.55 pm - 05.00 pm	Honoring the Guest
05.00 pm - 05.25 pm	Conference Report
05.25 pm - 05.30 pm	Introduction of Chief Guest
05.30 pm - 05.40 pm	Valedictory Address
05.40 pm - 05.45 pm	Introduction of Guest of Honour
05.45 pm - 05.55 pm	Special Address
05.55 pm - 06.20 pm	Honoring the Institute Level Coordinators
06.20 pm - 06.25 pm	Vote of Thanks



NCON 20 VENUE DETAILS

NAME OF THE CONFERENCE	ORGANIZED BY	SESSION CHAIR	VENUE DETAILS		
			Block	Floor	Room No.
National Conference on Biomedical and Health Informatics	BME	Dr. M.C. Jobin Christ Professor, Department of Bio-Medical Eng, Rajalakshmi Engineering College, Chennai.	B Block	2 nd Floor	B-206
National Conference on Civil and Building Engineering Informatics	CIVIL	Dr.G.Vengatesan Professor, Department of Civil Engineering, AUT, BIT Campus, Tiruchirappalli Dr.P.Sureshkumar Professor, Department of Civil Engineering, UCE, Ariyalur.	C Block	2 nd Floor	C-205 & C-206
National Conference on Smart Intelligent Computing and Applications	CSE/IT	Dr. A. Ramachandran Associate Professor, Department of CSE, B.S. Abdul Rahaman Crescent Institute of Science & Technology Chennai. Dr. S. Sathiyadevi Sri Associate Professor, Department of IT, UCE – BIT Campus.	C Block	1 st Floor	Central Library AV Hall
National Conference on Innovations in Electronics and Communication Engineering	ECE	Dr. G. Mahendran Professor & Head, Department of ECE, Syed Ammal Engineering College Ramanathapuram.	A Block	1 st Floor	A 112
National Conference on Automation and Electrical Engineering	EEE	Prof. N. Shobana Devi Professor & Head, Department of EEE, University College of Engineering, Ariyalur.	C Block	Ground Floor	Central Library
National Conference on Recent Trends in Metallurgy, Materials, Manufacturing and Aeronautical Engineering	MECH	Dr. S. Karhikeyan Professor & Head, Department of Mechanical Eng, Syed Ammal Engineering College, Ramanathapuram.	C Block	3 rd Floor	C-301
National Conference on Work, Culture & Organizations	MBA	Dr.M. Robinson Professor, Department of Management Studies, Anna University, (BIT Campus), Tiruchirappalli.	B Block	Ground Floor	B-004



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DEPARTMENT OF BIOMEDICAL ENGINEERING

National Conference on Biomedical Health Informatics- NCBHI'20

On 19.03.2018

REPORT

Venue: **DSEC 'B' Block SEMINAR HALL** Time: **10.00 am to 04.30 pm**

Chief Guest:

**Dr.C.Ravichandran, M.E., Ph.D.,
Principal,
Sri Nandhanam Engineering
Collegelle & Tech,
Thiruppathur**

The Department has organized the National Level Conference on BHI on 13/03/20. The conference aimed to provide a platform for students and research scholars to exhibit their views and ideas on the advanced technologies in the field of Biomedical Engineering. Shri.A.Srinivasan, Chairman, DS group of Institutions presided the inaugural ceremony. The Chief Guest Dr.C.Ravichandran, Principal, Sri Nandhanam Engineering college and Technology,Thiruppathur delivered his ideas on research and technologies. Dr.S.Durairaj, Principal Discussed about the learning strategies and shared his views on the importance of real time applications in engineering field. Dr K.Anbarasan ,Dean (Academics) and Prof.C.Narayanan, took the lead and other departmental heads give their esteemed presence in the function.

Prof.S.Sathyamoorthy narrated the overview of the conference and Prof.A.K.Nivedha introduced the chief guest. The delegates and research scholars from various institutions presented. Prof.S.Krishnapriya delivered the vote of thanks.

CONFERENCE PHOTO GALLERY



LIST OF COLLEGES PARTICIPATED

S.NO	NAME OF THE INSTITUTION
1	SENGUNTHAR COLLEGE OF ENGINEERING - TIRUCHENGODE
2	SELVAM COLLEGE OF TECHNOLOGY, NAMAKKAL
3	SELVAM ARTS & SCIENCE COLLEGE
4	AGNI COLLEGE OF TECHNOLOGY
5	MAHENDRA INSTITUTE OF TECHNOLOGY
6	RVS SCHOOL ENGINEERING DINDUGAL
7	K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY
8	K. RAMAKRISHNAN COLLEGE OF ENGINEERING AND TECHNOLOGY
9	NAMMAKAL KAVEIGAR RAMALINGANAR COLLEGE

- Total No of Papers Received - 24
- Total No of Papers registered - 17
- Total No of Delegates - 51

A Report
on
NATIONAL CONFERENCE ON CIVIL AND BUILDING ENGINEERING
INFORMATICS (NCCBEI 2020)

Organized
By
Department of Civil Engineering, DSEC, Perambalur.

National Conference on Civil and Building Engineering Informatics (NCCBEI 2020) was held at Department of Civil Engineering, Dhanalakshmi Srinivasan Engineering College, Perambalur on 13th March 2020.

The conference (NCON 2020) Second series National Conference was inaugurated by Chief Guest Col.Prof.N.Ramachandran, Educator & former Vice Chancellor, Tamilnadu and Maharashtra.



For the NCCBEI 2020 Dr.P.Sureshkumar & Dr.G.Venkatesan was the Chief Guests for inaugural sessions. Mr.L.S.Kalaiselvan, AP/Civil (session chair) and Mr.B.Manibalu, AP/Civil (session chair) were delivered the welcome address of the conference followed by chief guest introduction was given by M s.N.Valarmathy, AP/Civil and Mrs.A.Bhavani, A P/Civil, Chief guests were honored by Principal Dr.S.Durai raja and Head of the Department Dr.K.ShunmugaPriya followed by invited talk was give by the chief guests Dr.P.Sureshkumar & Dr.G.Venkatesan in their respective session

In the inaugural sessions Dr.P.Sureshkumar & Dr.G.Venkatesan urged to create awareness among the upcoming student community and researchers by showcasing the potential of innovative trends. Finally the certificates to the participants were distributed by the session chairs and organizing chair.

In the technical session of the conference, the conference chair person were

- Dr.P.Sureshkumar, Professor, Department of Civil Engineering, University College of Engineering, Ariyalur.
- Dr.G.Venkatesan, Assistant Professor (Sr), Department of Civil Engineering, University College of Engineering, Tiruchirapalli (BIT Campus).

The conference was attended by more than 60 participants and total of 40 technical papers on various topics supported by recent innovative trends in engineering Technology were presented by the authors and all accepted papers were published in the conference proceedings.

All the participants were provided conference kits which include the File, writing pad, conference proceedings CD, pen



Dr.A.Shankarasubramanian, Chairman, ISTE Tamilnadu Section and Dr.P.A.Manoharan Chairman, IEEE Madras Section, Chennai was the chief guests for valediction in that Dr.K.Velmurugan, Vice Principal gave the welcome address followed by all the departments HOD's were gave the conference overview and finally vote of thanks was delivered by Santosh kumar, Dean Placement.



DEPARTMENT OF CSE & IT

**REPORT FOR NATIONAL CONFERENCE ON SMART INTELLIGENT COMPUTING AND
APPLICATIONS
NCSICA-2020**

The National Conference on Smart Intelligent Computing And Applications 2020 was organized by the Department of Computer Science and engineering at DSEC, Perambalur.

NCSICA 2020 is organized with the objective of bringing together Researchers, Developers and practitioners from academia and industry working in all areas of computer and communication technology. The conference is intended for UG & PG students, Research scholars and faculties. It also paves a way for converging various technologies to offer solutions to Industrial problems.

A total of about 73 technical papers were received from undergraduate, post graduate students, faculty members and Research scholars covering a wide spectrum of areas, viz. Quantum & Membrane computing, Internet of Things, Artificial Intelligence, Speech Recognition, Big Data Analytics and many more. These papers were peer reviewed by technical experts and about 23 papers have been selected for presentation. This volume is a record of current research in the field of issues and trends in advanced computing and it is hoped that it will be a trigger for expanding the realms of research.

The conference was inaugurated in the presence of our Chairman **Shri.A.Srinivasan**, Principal **Dr.S.Durairaj**, Vice Principal, Dean Academics, chief guest **Col.Prof.N.Ramachandran**, Educationist, Former Vice-Chancellor, Tamil Nadu & Maharashtra

Prof.S.R.Sowmiya welcomed the gathering and Conference overview was given by **Prof.T.Geetha**. The conference proceedings were released by the chief guest **Col.Prof.N.Ramachandran** and received by the Principal, Vice Principal, Dean and it is distributed among the dignitaries.

Dr.S.Durairaj, Principal delivered Welcome address and also about the Overview of the Second Series of National Conference (NCON-2020).

The Keynote Speaker for the conference is **Col.Prof.N.Ramachandran** Educationist, Former Vice-Chancellor, Tamil Nadu & Maharashtra inaugurated the conference and delivered the keynote address. He motivated the students to convert their young mind to become an entrepreneur and to do service to the country.

The technical session of NCSICA-2020 was chaired by **Dr.A.Ramachandran**, Assistant Professor, Department of CSE, BS Abdur Rahman University, Vandalur, Chennai-48. Totally 22 technical papers have been presented. The conference summary was given by **Prof.R.Aarthy** and **Prof.G.Baskaran** delivered the vote of thanks.

PHOTO GALLERY

Inauguration of paper presentation



Inaugural Address –Dr.A.Rmachadran

Technical Session



Paper Presentation



Certificate Distribution



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an ISO 9001:2008 Certified Institution)

Date: 14.03.2020

Report of Second Series of National Conference – NCON 2020

Name of the programme : **National Conference on Innovations in Electronics & Communication Engineering (NCIECE 2020)**
Date : **13.03.2020**

The Department of ECE has organized the “**National Conference on Innovations in Electronics & Communication Engineering**” – NCIECE 2020 on **13th March 2020** at DSEC, Perambalur.

This conference aims to provide platform for young researchers to disseminate their latest research findings in the fields of Electronics and Communication Engineering. This conference also aims to highlight the technological application with relevance to day to day life.

Totally around **58 papers** were received from various universities / colleges. The received paper has been reviewed through the scrutinizing committee & the reviewed details have been forwarded to the concern students. Finally around **52 papers** have been selected for presentation.

We have received a foreword from a Man of microwave **Dr.S.Ragavan** Professor / ECE, National Institute of Technology (NIT), Tiruchirappalli, **Dr.J.William** Head / ECE, Agnel Institute of Technology & Design Assagoa, Bardoz – Goa, our session chair **Dr.G.Mahendran** Professor & Head / ECE, Syed Ammal Engineering College, Ramanathapuram also from our Principal and management for our proceedings.

The conference was inaugurated centrally in the presence of our Chairman **Shri.A.Srinivasan**, **Col.Prof.N.Ramachandran**, Educationist, Former Vice-chancellor, Principal **Dr.S.Durairaj**, Principal/SCAS **Dr. N. Vetrivelan**, Vice Principal **Dr.K.Velmurugan**, Dean Academics **Prof.K.Anbarasan**, Dean (HRDC) **Mr.Santhosh Kumar** in our open auditorium.

AV presentation were exhibited which comprises of all activities performed in our college. A welcome and overview of NCON 2020 was given by **Dr.S.Durairaj**, Principal, Dhanalakshmi Srinivasan Engineering College, Perambalur. Our Chairman ayya honored the chief guest with a

shawl and memento and as a token of love, students of our college has presented a photo to our Chairman. The Hard copy of conference proceeding was released by the Chairman ayya and received by **Chief guest**. The Soft copy of conference proceeding was released by the chief guest and received by Chairman ayya and it is distributed among the dignitaries and the audience.

The second part of the national conference that includes a technical session was organized in A block seminar hall (A112) for our department. **Organizing Secretary, Mrs.B.Karthiga** welcomed the gathering and honored the Session chair by presenting a Memento. **Ms.K.Suganya**, Assistant Professor/ECE introduced the chief guest to the audience.

Dr.G.Mahendran interacted with the participants regarding the scope of conducting national conference. He valued our hospitality and the faculty members for their admirable work. He motivated the students and participants to enrich their knowledge and appreciated the UG student's participation in national level conference.

After refreshment the technical session had started with three session chairs that include, Session chief guest **Dr.G.Mahendran**, Senior Professors of our department **Mrs.P.Rajeswari** and **Mr.D.Karthikeyan**. Students from various colleges participated in the conference and presented papers in various domains. Queries were asked by the session chair for the better understanding of their paper and Evaluation was also done.

Dr.G.Mahendran gave a key note speech on “**Medical applications of Digital Image Processing techniques**”. He explained the principles, techniques and medical applications of Digital Image Processing. Students and participants felt the lecture is remarkable.

Finally certificates were distributed for the participants and the session was concluded by giving vote of thanks through **Mr.K.Richard**, Assistant Professor/ECE.



Inaugural function - Glimpse



Inaugural function - Glimpse



Welcome address & Overview of NCIECE 20



Honoring the Chief Guest



Introduction to Chief Guest



Session chair interaction



Invited Talk



Invited Talk (Continued)



Technical Session



Technical Session



Distribution of Certificates**Vote of Thanks**

The Participation from Other Universities/Colleges is

S. NO.	PARTICIPATED INSTITUTIONS
1.	Roever Engineering College, Perambalur.
2.	Roever College of Engineering College, Perambalur.
3.	M.I.E.T Engineering College, Trichy
4.	Dhanalakshmi Srinivasan College of Engineering & Technology, Chennai
5.	Dhanalakshmi Srinivasan Institute of Technology, Trichy
6.	K.Ramakrishnan College of Technology, Trichy
7.	Ariyalur Engineering College, Ariyalur
8.	MAM School of Engineering, Siruganur
9.	Imayam College of Engineering, Thuraiyur
10.	SRM – TRP Engineering College, Trichy
11.	Tagore Institute of Technology, Attur
12.	M R K Institute of Technology, Cuddalore
13.	IFET College of Engineering College and Technology, Villupuram



**DHANALAKSHMI SRINIVASAN
ENGINEERING COLLEGE**
(Approved by AICTE and Affiliated to Anna University, Chennai)
Accredited with 'A' Grade by NAAC
PERAMBALUR - 621 212. TAMIL NADU

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REPORT OF NATIONAL CONFERENCE ON "AUTOMATION AND ELECTRICAL ENGINEERING 2020"

The Second Series of National Conference on "Automation and Electrical Engineering 2020" is organized by the Department of Electrical and Electronics Engineering at DSEC, Perambalur.

NCAEE 2020 is organized with the objective to promote and disseminate knowledge on various topics and topologies of Automation control of electrical energy systems and to apply all recent trends. It also paves a way for converging new developments in the field of Automation control of electrical energy systems.

A total of about 40 technical papers were received covering a wide spectrum of areas, viz. Energy management, Automation control, Robotics, artificial intelligence, Power system, Power electronics, Control system, Electrical machines, and IoT based Applications. These papers were peer reviewed by technical experts and about 31 papers have been selected for presentation. This volume is a record of current research in the field of Automation control of electrical energy systems and it is hoped that it will be a trigger for expanding the realms of research.

The chief guest **Dr.N.Shobanadevi**, Assistant Professor, Department of Electrical and Electronics Engineering, University College of Engineering, Ariyalur, inaugurated the conference and delivered the keynote address and presented invited topic on "Automation is to control the industrial machinery". She motivated the students to convert their young mind to create the advancement of Automation control of electrical energy systems and to do service to the country. Totally 23 papers are presented and reviewed by the chief guest and review committee.



All the Students of EEE & Robotics are present during the conference and gained knowledge in the field of Automation control of electrical energy systems

DHANALAKSHMI SRINIVASAN ENGINEERING COLLEGE, PERAMBALUR

NCRTM-20CONFERENCE REPORT

ORGANIZED BY DEPARTMENTS OF MECHANICAL ENGINEERING

The National Conference on "**Recent Trends in Metallurgy, Materials, Manufacturing and Aeronautical Engineering NCRTM-2020**" was organized by the Department of Mechanical Engineering.

NCRTM-2020 is organized with the objective of bringing together Researchers, Developers and practitioners to present and discuss the most recent innovations, trends, outcomes, experiences and challenges in the field of Mechanical Engineering. The conference is intended for UG & PG students, Research scholars and faculty members. It also covers a way for meeting various technologies to offer solutions to Industrial problems.

In Mechanical Engineering Department, a total of about 44 technical papers were received from post graduate students, undergraduate students, faculty members and Research scholars covering a wide field of areas like Metallurgy, Manufacturing, Engineering Design, Mechanics of Materials and CAD/CAM.

These papers were peer reviewed by technical experts and about 20 papers have been selected for presentation. This volume is a record of modern investigation in the field of Recent Trends in Metallurgy, Materials, Manufacturing and Aeronautical Engineering and it is expected that it will be a trigger for expanding the territory of research.

The conference was inaugurated in the presence of our Chairman **Shri.A.Srinivasan**, Principal **Dr.S.Durairaj**, Vice Principal **Dr.K.Velmurugan** Dean Academics **Dr.K.Anbarasan**, and Head of the Department **Dr.M.Chellappan**, faculty members and all the students.

Our principal, **Dr.S.Durairaj** welcomed the gathering, and the conference proceeding was released by our beloved **Chairman and founder AYYA** and received by the chief guest and it is distributed among the dignitaries and the audience. Prof. B. Karthika ECE has introduced the chief guest.

Our beloved Founder and Chairman **AYYA** delivered presidential address. He insisted the self-confidence and self-motivation and necessitated the need for knowledge dissemination and motivated the audience to gain more knowledge. Which will be helpful all the time to every human being.

The chief guest **Prof. N. Ramachandran**, Educationist, Former Vice-Chancellor, Tamilnadu & Maharashtra, he motivated the students to convert their young mind to become an entrepreneur and to do service for the nation.

The vote of Thanks given by our Dean Academics **Dr.K.Anbarasan**.

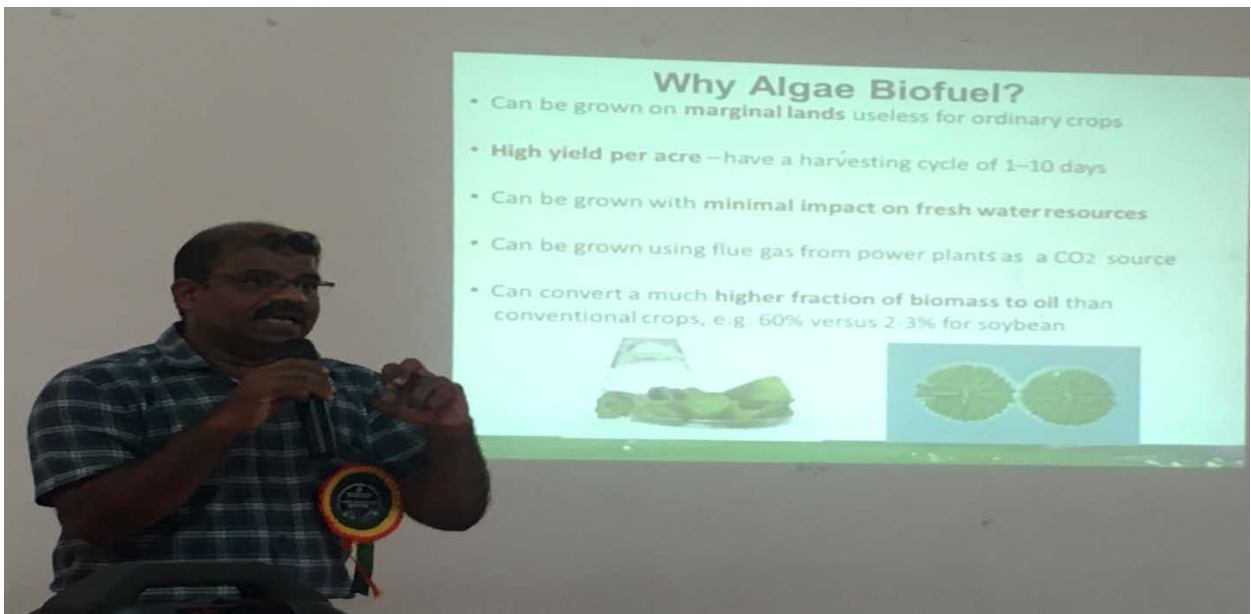
SESSION

In the Department inauguration, **Mr. Rajkumar** of third year Mechanical Engineering student welcomed the session chair, **Mr. Badrinath** of second year who had given the introduction about the guest.

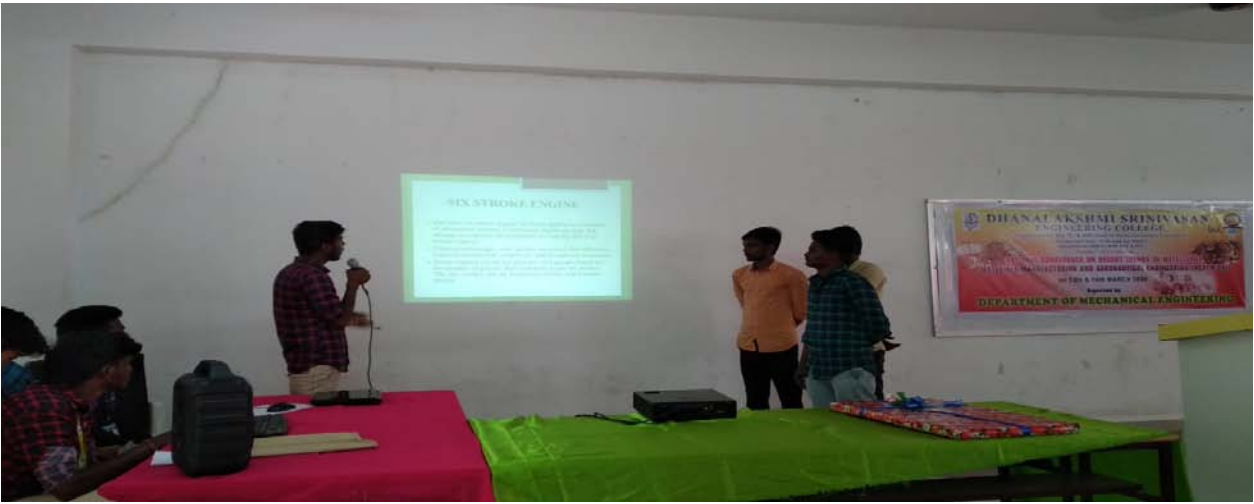
In the Department, the session of NCRTM-2020 was chaired by **Dr. S. Karthikeyan**, Professor & Head, Dept. of Mechanical Engineering, Syed Ammal Engineering College – Ramanathapuram. He delivered the keynote speech about third generation biofuels and gave his valuable suggestions to the participants.

The vote of Thanks given by **Mr. Ayyappan** of third year Mechanical Engineering.

NCRTM-2020 INAUGURAL PHOTOS



TECHNICAL SESSIONS PHOTOS





NCWCO -2020 CONFERENCE REPORT
ORGANIZED BY DEPARTMENTS OF MBA

The National Conferences on “**Work culture & Organization -2020**”, were organized by the Department of Management Studies

NCWCO 2020 are organized with the objective of bringing together Researchers, Developers and practitioners to present and discuss the most recent innovations, trends, outcomes, experiences and challenges in the field of Business Managements. The conference is indented for PG students, Research scholars and faculties. It also paves a way for converging various technologies to offer solutions to Industrial problems.

In MBA, A total of about **29** technical papers were received from post graduate students, faculty members and Research scholars covering a wide spectrum of areas like Marketing, Human Resources, Finance and General Management.

These papers were peer reviewed by technical experts and about 29 papers for MBA have been selected for presentation. This volume is a record of current research in the field of Work Culture & Organization and it is hoped that it will be a trigger for expanding the empire of research.

The conference was inaugurated in the presence of our Chairman **Shri.A.Srinivasan**, and Overview of NCON-2020 Given by **Dr.S.Durairaj**, Principal. The chief guest **Dr.N.RAMACHANDRAN** Educationist, Former Vice-Chancellor Tamilnadu & Maharashtra, inaugurated the conference and delivered the keynote address. He motivated the students to convert their young mind to become an entrepreneur and to do service to the country.

SESSION:

In MBA, the session of NCWCO 2020 was chaired by **Dr. M.Robinson,Asistant Professor Anna University (BIT Campus) Trichy** and 29 technical papers have been presented which includes the following areas: Marketing, Human Resources, Finance and General Management, and also the session chair distributed the certificate to the students.

VALEDICTORY:

The valedictory function was started by our **Shri.A.Srinivasan sir** and welcome address given by **Dr.G.VELMURUGAN** vice Principal, and **Dr.M.Chandrasekaran** Presented the MBA Department NCON -2020 Report, **Dr.S.Durairaj Principal honoring the Institute level coordinator** and finally The vote of Thanks given by **Mr.V.V .Santhosh Kumar (Dean HRDC)** Dhanalakshmi Srinivasan Engineering College, Perambalur.

INAUGURAL PHOTO GALLERY



VALEDICTION PHOTO GALLERY

