

The Institution of Engineers (India)

AN ISO 9001:2008 CERTIFIED ORGANIZATION
(Established in 1920, incorporated by Royal Charter 1935)



KANCHEPURAM LOCAL CENTRE

100 Years of Relentless Journey towards Engineering
Advancement for Nation



ANNUAL REPORT 2021-2022





The Institution of Engineers (India)

AN ISO 9001:2008 CERTIFIED ORGANIZATION
(Established in 1920, incorporated by Royal Charter 1935)

KANCHEPURAM LOCAL CENTRE

Jerusalem college of Engineerinf, Pallikaranai, Chennai 600100
Cell: 9444050687 (Chairman), 9941380398 (Honorary Secretary)

Email-id: kanchepuramlc@ieindia.org

Website: www.ieindiaklc.org

The kanchipuram Local Centre has Delight in presenting this Annual Report of our Activities for the year of 2021 – 2022 and we wish to take this opportunity to thank all those who aided the Centre in manipulating its functions.

Annual Report 2021 – 2022

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KANCHEPURAM LOCAL CENTRE

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The Institution of Engineers (India)



The Institution of Engineers (India) came into existence in 1920 and was granted the Royal Charter in 1935. It has an avowed objective of promoting and advancing the art, Science and practice of engineering in India.

The Institution is today the largest professional society of engineers in India having membership of over 8, 00,000 personnel of various disciplines, playing critically important roles in building up the qualitative and quantitative strength of professional manpower, through its 120 centres spread throughout India and six Chapters abroad. It has under its umbrella 15 divisions each looking the activities of a particular engineering discipline. Each division besides other technical activities holds its National Convention every year to Disseminate engineering advances in that discipline and to facilitate wider interaction amongst its members.

It provides opportunity to those who aspire to pursue a career in engineering (but are unable to pursue education in regular professional Institutions and universities) by conducting examinations in two sessions biannually at many centers in the country. The aspirants can pursue studies independently at home even while working. Qualifying in the Institutions Examination is recognized as equivalent to a degree in engineering by governments, public service commissions and public and private sector organizations. Some universities have also recognized it for admission to post – graduate level studies. Thus, the Institution is effectively functioning as an open technical university in the country.

It set standards for engineering qualifications and training schemes and maintains active collaboration with educational planning and re-orientation programme of the Central and State Governments.

It has established an Engineering Staff College at Hyderabad (Andhra – Pradesh) to act as a model center for developing continuing education courses through professional – Oriented programme.

It has established specialized inter-disciplinary forums each concentrating on a particular field such as the National Design and Research Forum to encourage research activities; the Rural Development Forum for identifying the needs and solutions to rural problems and the Water Management Forum for encouraging the study of conservation and equitable distribution of scarce water resources.

IEI also observes September 15 of each year as 'Engineers' day" in memory of the Country's Engineering Statesman, Bharat Ratna Dr. Sir M. Visvesvaraya. On this day a common theme of engineering having nationwide interest is chosen and discussed at all the Centres of the Institution and recommendations evolved are communicated to governments, industry and other sectors for their benefit.

It is a member of several international bodies and has bilateral technical cooperation agreements with 13 professional societies abroad and some more are in the offing

It actively participates in International Conference abroad and with a view to providing facilities for larger participation of Indian Engineers and close interaction with foreign experts and regularly holds International conferences in India. It organizes once in a year the Indian Engineering Congress in different parts of India which apart, from facilitating members and non-members of all disciplines to interact with each other provides opportunity to participate in National Seminar and listen to memorial lectures of high philosophical and technical content delivered by experts. Eminent engineering personalities are also honored and glimpses of their life and achievements are presented to the participants. It has plans for establishing an Institute of Distant Learning, as well as a network of open learning centers at different places all over the country. To all the Committee Members Kanchipuram Local Centre



KANCHEPURAM LOCAL CENTRE

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About the Kanchepuram Local Centre

With the growing technology, we can see that there is a very demand for good, efficient engineers. Kanchepuram, being a district, which lies in a close proximity to the state capital, Chennai, has been a regular supplier of engineers to it. Chennai, the hub of industrial sector, has always attracted engineers on a large scale from all over India. Keeping this in mind, Dr.L.V. Muralikrishnan Reddy,FIE, FIET (UK), National President, The Institution of Engineers along with Mr.R.N.Jayaprakash, Managing Trustee, Agni College of Technology, and Er. T.M Gun raja FIE, President,Dr. G. Shanmuga sundar , Hon. Secretary – IEI (I) KLC Kanchepuram District Centre and Dr. D. Elango, Chairman and Council member, IEI-KLC, Kanchepuram District Centre, came forward to inaugurate the Kanchepuram District Centre of IEI on 15 December, 2015. Subsequently Kanchepuram District Centre has been renewal as Kanchepuram Local Centre on 18 December, 2016.



KANCHEPURAM LOCAL CENTRE

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Chairman's Message



**Dr. D Elango F-117783-0
Prof & Head of CIVIL Engineering
SRM Valliammai Engineering College**

I would like to pen down my sincere gratitude for electing me as the Chairman of Kanchipuram Local Centre for the year 2021-22. At this point of time, I assure that, I will tirelessly strive for betterment and excellence of IEI Chapter membership activities in the coming years. Since, Engineering and Technology has become an indispensable one, I will take utmost actions to build this society as a high caliber engineering society in the fourth coming years. On behalf of all of you, I applaud and appreciate the sincere growth of IEI KLC activities for the past few years. I also commemorate the untiring efforts of the coordinators and supporting team for organizing workshops, seminars, talks and other events.

"The essence of all beautiful art, all great art, is gratitude."

- *FredrichNietzsche*

As per the quotes, once again I express my gratitude for giving me this great opportunity and I wish you all to achieve great success in the future.



KANCHEPURAM LOCAL CENTRE

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Message from Hon. Secretary



Dr. G.SHANMUGASUNDAR,FIE

Honorary Secretary

Kancheepuram Local Centre

My sincere thanks for electing as Honorary Secretary of Kancheepuram Local Centre for the year 2021-22. I will for sure work for increasing the membership and activities of the Centre. Kancheepuram Local Centre will take utmost measures to ensure that engineering & technology are promoted among all its members and the engineering society. My congratulations to all the coordinators and supporting team for organizing workshops, seminars, Special lectures in various disciplines. I wish the volume of activities should increase in the near future. Wish this newsletter will definitely be an inspiration and motivation for the engineers to perform better and add on the contributions in the forthcoming issues.

HONORS

IE(I) KLC ACHIEVEMENTS:



• **Dr. R. Venkatesan, FIE
Council Member**

He is the founder Chairman of Kanchipuram Local Centre now he is the present council member for Mechanical Engineering Division. He has recently published article on "Seasonal temperature variability observed at abyssal depths in the Arabian Sea", Martin M. V., R. Venkatesan, Robert Weller, Amit Tandon, and K. Jossia Joseph, (2022) in a reputed Journal on Nature Scientific Reports.



**Dr. Palanikumar, FIE
Imm. Past Chairman**

He has received AICTE – Visvesvaraya Award 2021 – for the best Teacher in national level. Considering his research publications, he was featured in the List of Top 2% Indian Scientists in the world in the field of "Materials" published by Stanford University and Elsevier for the third consecutive year



• **Mr. R. Sundar ,FIE
Committee member**

Among the five Ambassadors selected from different countries like India, Canada, Italy, Namibia and Lebanon to represent Ocean Best Practices. Mr.R. Sundar has been honoured to represent the Indian region. as Ocean Best Practice Ambassador for India region. Also he has filed the Indian Patent and the details of the Patent are given below

- An Indian patent has been granted for NIOT OOS for the invention titled ‘REAL TIME TSUNAMI MONITORING SYSTEM’, patent No. 369964 on 22nd June 2021. Inventors: Dr.R. Venkatesan, M.Arul Muthiah, R.Sundar & K.Ramesh. This invention has unique features such as hybrid telemetry &power, Smart Interface Module in dual mode and can communicate with the sea bed BPR unit via Fiber Optic, Inductive Cable & wireless acoustic communications. Also, it can transmit Tsunami data to Two warning centres simultaneously

- An Indian patent is awarded to @MoesNIOT for the invention titled "A system and method for calibrating acoustic tide gauge", patent No. 371442 dt. 08th Jul 2021. Inventors: R. Sundar, R. Srinivasan, Dr. G.A. Ramadass, Dr. M.A. Atmanand. This invention "A System and Method for Calibrating Acoustic Tide Gauge" uses a liquid level value computed from the pressure measured by the digital pressure sensor for calibrating the acoustic Tide Gauge. Ten claims were claimed for this novelty of work.



COMMITTEE 2021– 2022

KANCHEPURAM LOCAL CENTRE

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COMMITTEE 2021 – 2022

Chairman:



Mr. Elango F-117783-0
Prof & Head of CIVIL Engineering
Vallimmai college of Engineering
gangaduraielango@gmail.com
9444050687 Honorary Secretary



Dr.G.Shanmugasundar
F- 128064-5
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KANCHEPURAM LOCAL CENTRE

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COMMITTEE MEMBERS:

CHEMICAL ENGINEERING DIVISION (CH)



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COMPUTER ENGINEERING DIVISION (CP)



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ELECTRICAL ENGINEERING DIVISION (EL)



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ELECTRONICS DIVISION (ET)



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PRODUCTION ENGINEERING DIVISION (PR)



Dr. R. Ramakrishnan, F-129169

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MECHANICAL ENGINEERING DIVISION (MC)



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Dr.K. ARUN VASANTHA GEETHAN, M 1592410

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Dr. V. Muthukumar

F-1237655

M.E., Ph.D., FIE., C.Eng (Chartered Engineer),.

Professor | Department of Mechanical Engineering,

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CIVIL ENGINEERING DIVISION (CV)



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Prof & Head of CIVIL Engineering,

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Mr.N.Arunprakash,

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Assistant Professor, Department of Civil Engineering,

Valliammai Engg College

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Mr.M.Duraisami,
F-124382-5 Chief Engineering Manager - Heavy Civil Infrastructure, L & T Construction
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ENVIRONMENT ENGINEERING (EN)



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MINING ENGINEERING (MN)



Prof.Venu Gopal,
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Ass.prof
Anna University
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EX-OFFICIO MEMBERS



Dr. K.PALANIKUMAR, M.E., Ph.D.

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Professor and Principal,
Sri Sai Ram Institute of Technology

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Dr. R. Venkatesan F-111839-7

Imm past. Chairman IEI KLC

Scientist G & Head, NIOT

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Er. R. Ramdoss, FIE, F-123629-2 (Imm Past Chairman - TNSC)

PRODUCTION ENGINEERING

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Er. R. Ramdoss, FIE, F-123629-2 (Imm Past Chairman - TNSC)

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MARINE ENGINEERING
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Dr. D Elango, FIE

Council Member & Chairman, IE (I)-KLC

Dr. G. Shanmuga sundar,FIE
Honorary Secretary, IE (I) KLC

100 Years of Relentless Journey towards
Engineering Advancement for Nation Building

To all the Committee Members
Kancheepuram Local Centre

AGENDA OF Monthly Meeting

1. Welcome address by Chairman
2. Confirmation of minutes of the Committee meeting held on 29th October 2021.
3. To approve the accounts for the month of October 2021.
4. Report on the Technical activities Conducted and proposed
5. Any other matter with the permission of the chairman
6. Fixing of date & time for the next committee meeting
7. Vote of thanks by Honorary Secretary

Dr. G. Shanmuga sundar,FIE
Honorary Secretary
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Chairman – for kind information

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To all the Committee Members
Kancheepuram Local Centre

AGENDA OF Monthly Meeting

1. Welcome address by Chairman
2. Confirmation of minutes of the Committee meeting held on 26th November 2021.
3. To approve the accounts for the November of 2021.
4. Report on the Technical activities Conducted and proposed
5. Any other matter with the permission of the chairman
6. Fixing of date & time for the next committee meeting
7. Vote of thanks by Honorary Secretary

Dr. G. Shanmuga sundar,FIE

Honorary Secretary

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AGENDA OF Monthly Meeting

1. Welcome address by Chairman
2. Confirmation of minutes of the Committee meeting held on 31st December 2021.
3. To approve the accounts for December of 2021.
4. Report on the Technical activities Conducted and proposed
5. Any other matter with the permission of the chairman
6. Fixing of date & time for the next committee meeting
7. Vote of thanks by Honorary Secretary

Dr. G. Shanmuga sundar,FIE
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To all the Committee Members
Kancheepuram Local Centre

AGENDA OF Monthly Meeting

1. Welcome address by Chairman
2. Confirmation of minutes of the Committee meeting held on 28th January 2022.
3. To approve the accounts for January of 2022.
4. Report on the Technical activities Conducted and proposed
5. Any other matter with the permission of the chairman
6. Fixing of date & time for the next committee meeting
7. Vote of thanks by Honorary Secretary

Dr. G. Shanmuga sundar,FIE
Honorary Secretary
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To all the Committee Members
Kancheepuram Local Centre

AGENDA OF Monthly Meeting

1. Welcome address by Chairman
2. Confirmation of minutes of the Committee meeting held on 25th February 2022.
3. To approve the accounts for February of 2022.
4. Report on the Technical activities Conducted and proposed
5. Any other matter with the permission of the chairman
6. Fixing of date & time for the next committee meeting
7. Vote of thanks by Honorary Secretary

Dr. G. Shanmuga sundar,FIE
Honorary Secretary

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Honorary Secretary, IE (I) KLC**

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To all the Committee Members
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AGENDA OF Monthly Meeting

1. Welcome address by Chairman
2. Confirmation of minutes of the Committee meeting held on 22 nd March 2022.
3. To approve the accounts for the month of March 2022
4. Report on the Technical activities Conducted and proposed
5. Discuss about to increase the Membership. Hence corporate membership, Student Membership, Institutional membership
6. To discuss about Research Grant Seminar, Workshop, Webinar, Proposal etc.
7. To execute 100 HOURS Program towards Centenary Celebration IEITNSC
8. To discuss about grant for special lecture (Statutory Programs)
9. Any other matter with the permission of the chairman
10. Fixing of date & time for the next committee meeting
11. Vote of thanks by Honorary Secretary

**Dr. G. Shanmuga sundar,FIE
Honorary Secretary**

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AGENDA OF Monthly Meeting

1. Welcome address by Chairman
2. Confirmation of minutes of the Committee meeting held on 15 th April 2022
3. To approve the accounts for April/May of 2022
4. Report on the Technical activities conducted and proposed
5. Any other matter with the permission of the Chairman
6. Fixing of date & time for the next committee meeting
7. Vote of thanks by Honorary Secretary.

Dr. G. Shanmuga sundar,FIE

Honorary Secretary

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Honorary Secretary, IE (I) KLC

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To all the Committee Members
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AGENDA OF Monthly Meeting

1. Welcome address by Chairman
2. Confirmation of minutes of the Committee meeting held on 30TH June 2022
3. To approve the accounts for July of 2022
4. Report on the Technical activities conducted and proposed
5. Any other matter with the permission of the Chairman
6. Fixing of date & time for the next committee meeting
7. Vote of thanks by Honorary Secretary.

Dr. G. Shanmuga sundar,FIE

Honorary Secretary

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Dr. G. Shanmuga sundar,FIE
Honorary Secretary, IE (I) KLC

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AGENDA OF Monthly Meeting

1. Welcome address by Chairman
2. Confirmation of minutes of the Committee meeting held on 11TH August 2022
3. To approve the accounts for August of 2022
4. Report on the Technical activities conducted and proposed
5. To discuss about AGM regarding awards.
6. Any other matter with the permission of the Chairman
7. Fixing of date & time for the next committee meeting
8. Vote of thanks by Honorary Secretary.

Dr. G. Shanmuga sundar,FIE
Honorary Secretary
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Honorary Secretary, IE (I) KLC

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To all the Committee Members
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AGENDA OF Monthly Meeting

1. Welcome address by Chairman
2. Confirmation of minutes of the Committee meeting held on 23rd September 2022
3. To approve the accounts for September of 2022
4. Report on the Technical activities conducted and proposed
5. To discuss about AGM regarding awards.
6. Any other matter with the permission of the Chairman
7. Fixing of date & time for the next committee meeting
8. Vote of thanks by Honorary Secretary.

Dr. G. Shanmuga sundar,FIE

Honorary Secretary

Distribution to:

All Committee Members

The Institution of Engineers (India), Kancheepuram Local Centre.

Chairman – for kind information

The Institution of Engineers (India)

KANCHEPURAM LOCAL CENTRE

MINUTES OF MEETING

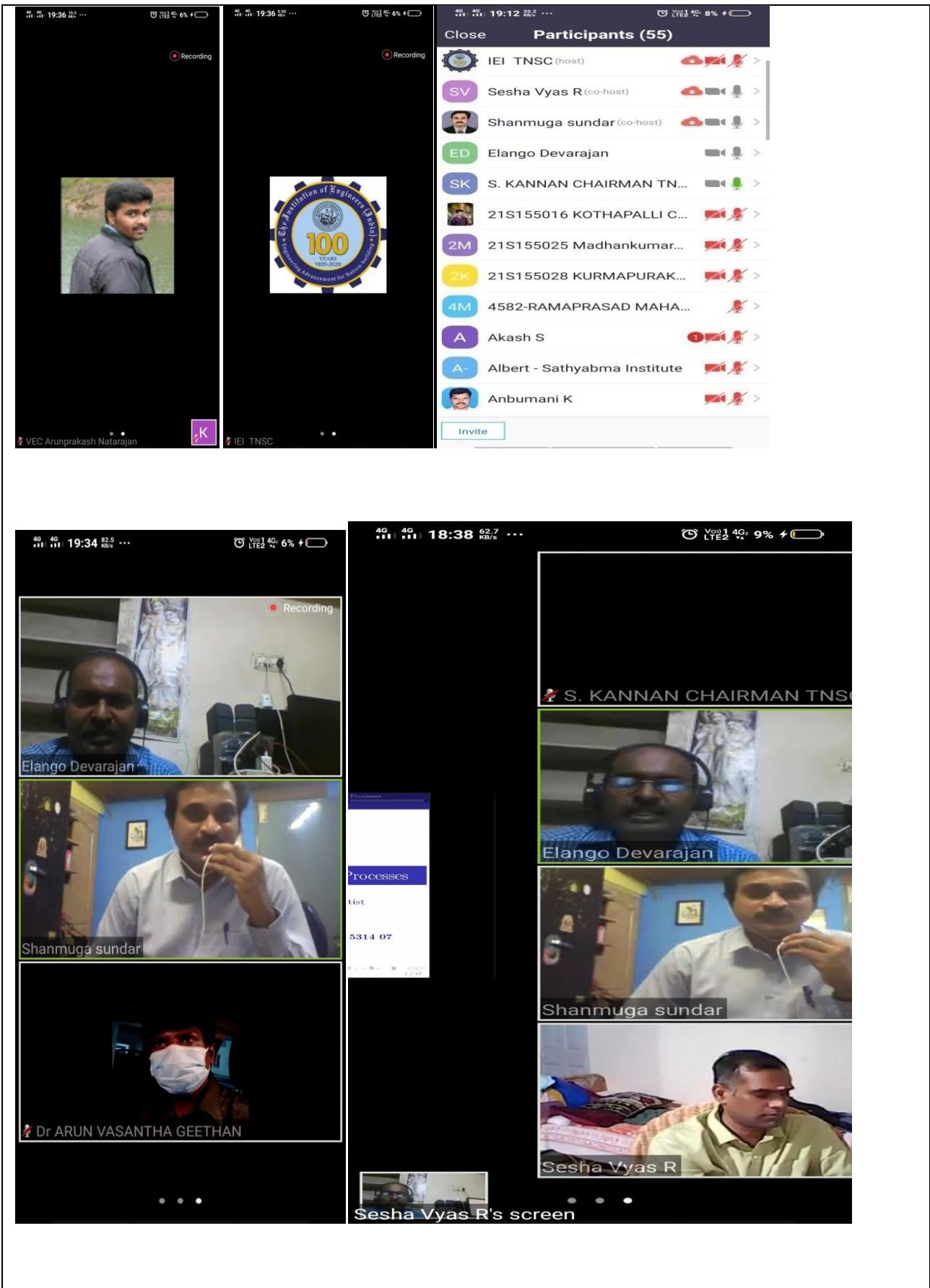
CM//2020-2021

28thNovember 2021

The Institution of Engineers (India) the Kanchipuram Local Centre Committee Meeting on Friday 26thNovember 2021 at 06:30 am.

MEMBERS PRESENT:

S.NO	NAME	DESIGNATION
1	Er S Kannan	TNSC Chairman
2	Dr. D. Elango	Chairman
3	Dr. G. Shanmuga Sundar	Honorary Secretary
4	Dr. S. Karthikeyan,	Member
5	Mr. R. Sundar	Member
6	Dr. G. Madhusudanan	Member
7	Dr. ArunVasanthaGeethan	Member
8	Dr. V. Muthukumar	Member
9	Mr. M.Duraisami	Member
10	Dr. G. Thamarai Selvi	Member
11	Mr. N. Arunprakash	Member
12	Dr. K. Palanikumar	EX - Officio Member
13	Dr. S. Ramesh	EX - Officio Member
14	Dr. B. Latha	EX - Officio Member



The Meeting was chaired by Dr. D. Elango, Chairman IEI- KLC. The proceedings of the meetings are given below:

1. Welcome by Chairman:

Dr. D. Elango, Chairman extended warm welcome to all the New Committee Members for the Committee

Meeting of the financial year 2021-22 and then the agenda was taken up for discussion.

2. To Confirm the Minutes of the Committee Meeting held on 29th October 2021

The Minutes of the Committee Meeting held on 29th October 2021 was confirmed.

3. To approve the accounts for the month of October 2021

The accounts for the month of October 2021 were approved.

4. Report on the technical activities Conducted in November 2021 and proposed events for December 2021

Dr. G. Shanmugasundar Honorary Secretary presented the Technical activities.

TECHNICAL ACTIVITIES CONDUCTED IN NOVEMBER 2021

EVENTS CONDUCTED

1. World Standard day "Theme - Our Vision shared for a better world under the aegis of Electrical Engineering on 01.11.2021 at AMET University, Chennai
2. Webinar on "ROLE OF MECHANICAL ENGINEERS IN IT SECTOR" under the aegis of Mechanical Engineering on 08.11.2021 at ST. Joseph's Institute of Technology, Chennai.
3. Webinar on Awareness Program on GATE EXAM) under the aegis of Mechanical Engineering on 11.11.2021 at ST. Joseph's Institute of Technology, Chennai.
4. Webinar on How to crack Public Service Commission Exam (UPSC/TNPSC) under the aegis of Mechanical Engineering on 13.11.2021 at ST. Joseph's Institute of Technology, Chennai.
5. Webinar on Problem solving Methods {why - why Analysis) under the aegis of Mechanical Engineering on 20.11.2021 at Sathyabama Institute of Science and Technology
6. Webinar on Refresher on design of Transmission System under the aegis of Mechanical Engineering on 22.11.2021 at Saveetha Engineering College
7. Webinar on **New Product development by using CREO & CATIA**under the aegis of Mechanical Engineering on 22.11.2021 at ST. Joseph's Institute of Technology, Chennai.
8. Webinar on Three Days' Workshop on Arduino Programming Using Embedded C under the aegis of Electronics and Communication Engineering on 25.11.2021 to 27.11.2021 at Sri Sai Ram Institute of Technology, Chennai

- 1. The report of the above events are enclosed as Annexure.**

EVENTS PROPOSED

1. Webinar on How to plan your future in Canada" under the aegis of Mechanical Engineering on 27.11.21 at ST. Joseph's Institute of Technology, Chennai
2. Webinar on "PUBLIC SERVICE COMMISSION EXAMS - HOW TO APPROACH THE SYLLABUS" under the aegis of Mechanical Engineering on 01.12.21 at ST. Joseph's Institute of Technology, Chennai.
3. Webinar on "Speaking up without Freaking out "under the aegis of Mechanical Engineering on 03.12.21 at ST. Joseph's Institute of Technology, Chennai.
4. Webinar on "How to plan your future in the USA" under the aegis of Mechanical Engineering on 03.12.21 at ST. Joseph's Institute of Technology, Chennai
5. Webinar on "Quantum Computing" under the aegis of Mechanical Engineering on 04.12.21 at ST. Joseph's Institute of Technology, Chennai

Webinar on "Mechanical Engineering what is beyond that" under the aegis of Mechanical Engineering on 11.12.21 at ST. Joseph's Institute of Technology, Chennai

6. Energy Conservation day on 14.12.2021 will be celebrated by Saveetha Engineering College.
7. Energy Conservation day on 14.12.2021 will be celebrated by Sri Sai Ram Institute of Technology
8. One Day Seminar on Power Quality Issues of Wind and Solar Energy System in Grid Integration 29/12/2021 under Electrical Engineering Division at Academy of Maritime Education and Training (AMET) Deemed to be University, Chennai. Approved from IEI Head quarters
9. One day workshop on Optimizing the Chemical Process Control by IOT on 20-12-2021 under Chemical Engineering Division at Agni College of Technology, Chennai. Approved from IEI Head quarters
10. ONE DAY SEMINAR on Research Opportunities on Integration of Green Energy with Smart Grid through IOT on 28.01.2021 under the aegis of Electrical and Electronics at Sathyabama Institute of science and technology auditorium – **Submitted for approval & funding to IEI headquarters through online.**
11. All India Seminars on Machine Vision and Digital Transformation for Intelligent Learning System on 17.3.2022 & 18.3.2022 under the aegis of Computer Science Engineering at Sathyabama Institute of Science and technology auditorium –**Submitted for approval & funding to IEI headquarters through online.**
12. All India Seminars on Short term training program in Applied Data Science and Machine Learning Visualization on 8th &9th February 2021 under the aegis of Electronics & Telecommunication Engineering at Sathyabama Institute of Science and technology auditorium –**Submitted for approval & funding to IEI headquarters through online.**
13. All India Seminars on Research Opportunities and Impact of Additive Manufacturing for New age Industry and Society on 18/02/2021 & 19/02/2021 under the aegis of Mechanical Engineering at Sathyabama Institute of Science and technology auditorium – **Submitted for approval & funding to IEI head quarters through online .**
14. One day Seminar on Intellectual property rights with focus on copyrights and patent on 27.01.2021 under the aegis of Mechanical Engineering at Sathyabama Institute of science and technology auditorium – **Submitted for approval & funding to IEI headquarters through online.**

Programme Type:	Programme Date:	Days:	Programme Type:	Programme Date:	Days:
ALL INDIA SEMINAR	17/03/2022	2	ALL INDIA SEMINAR	25/03/2022	2
Title of the programme:	Divisional Board:		Title of the programme:	Divisional Board:	
MACHINE VISION AND DIGITAL TRANSFORMATION FOR INTELLIGENT LEARNING SYSTEM	COMPUTER		SHORT TERM TRAINING PROGRAM IN APPLIED DATA SCIENCE AND MACHINE LEARNING VISUALIZATI	ELECTRONICS AND TELECOMM	
Venue:	Grant Requested from HQ:		Venue:	Grant Requested from HQ:	
SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY AUDITORIUM	₹ 30000		SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY AUDITORIUM	₹ 30000	
Abstract of the Programme	Abstract of the Programme				
In this era of revolution and evolution excellence is the major requirement. With all sort of invention in the field of Engineering the major requirement in this field is effective decision making to improvise technology. Machine Vision and Digital Transformation technology would act as a vital resolution for all such requirements. Through these the Physical and Cyber systems get connected and drive a drift towards smart and sustainable development. This technology is getting used in numerous systems and industries like automotive agriculture construction	This online Data Science and Machine learning course aims to make you master in all the basic and advanced level skills in the various tools and technologies involved in the field of Data Science Machine Learning and hands on training. Machine learning can be broadly defined as computational methods using experience to improve performance or to make accurate predictions. Here experience refers to the past information available to the learner which typically takes the form of electronic data collected and made available for analysis. This data could				

Programme Type:	Programme Date:	Days:
ONE DAY SEMINAR	04/02/2022	1
Title of the programme:	Divisional Board:	
INTELLECTUAL PROPERTY RIGHTS WITH FOCUS ON COPYRIGHTS AND PATENTS	MECHANICAL	
Venue:	Grant Requested from HQ.:	
SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY	₹ 10000	

Abstract of the Programme

Intellectual Property Rights Intellectual Property Rights IPRs are legal rights that protect creations. The inventions resulting from intellectual activity in the scientific Engineering and artistic fields. The most common IPRs include patents copyrights and Trade marks. About the Programme In order to take forward the National IPR Policy and to enhance creativity innovation competitiveness and economic growth in India it is imperative to harness IP. With phenomenal growth of the Indian Economy it is vital that IPRs are generated in India and then legally

Programme Type:	Programme Date:	Days:
ALL INDIA SEMINAR	04/03/2022	2
Title of the programme:	Divisional Board:	
RESEARCH OPPORTUNITIES AND IMPACT OF ADDITIVE MANUFACTURING FOR NEW AGE INDUSTRY /	MECHANICAL	
Venue:	Grant Requested from HQ.:	
SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY	₹ 30000	

Abstract of the Programme

3D Printing 3D printing is a process of making a three dimensional solid object of any shape from a digital model. The creation of a 3D printed object is achieved using additive processes. In an additive process an object is created by laying down successive layers of material until the object is created. About the Programme Programme on 3D printing Additive Manufacturing helps to transform students and scholars being passive consumers to active creators. Current system relies heavily on theoretical learning and very little on real world deployment of

Programme Type:	Programme Date:	Days:
ONE DAY SEMINAR	28/01/2022	1
Title of the programme:	Divisional Board:	
APPLICATIONS ON INTEGRATION OF GREEN ENERGY WITH SMART GRID THROUGH IOT	ELECTRICAL	
Venue:	Grant Requested from HQ.:	
SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY AUDITORIUM	₹ 10000	

Abstract of the Programme

To study the environmental aspects of electric energy conversion and impacts of renewable energy generation on environment. To do a Qualitative analysis of different renewable energy resources Solar wind ocean Biomass Fuel cell Hydrogen energy systems and hybrid renewable energy systems. Case studies of WindPV Maximum Power Point Tracking MPPT. Analyse the power quality issues in grid. Internet of Things IoT the internet in which the things are connected to each other is the extension and expansion of Internet based network. IoT is

5. Any other matter with the permission of the Chairman

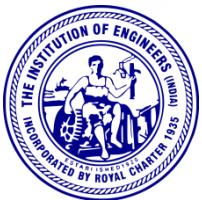
1. A committee appreciated the Chairman Dr. Palanikumar for his receiving the AICTE – Visvesvaraya Award 2021 – for the best Teacher in national level.
2. Discussion about new IEI-KLC office location.

6. Fixing of date & time for the next Committee Meeting

It was decided that the next committee meeting will be on Friday 31st December 2021 at 06:30 pm

7. Vote of Thanks

The meeting ended with vote of thanks delivered by the Honorary Secretary Dr. G. Shanmugasundar.



The Institution of Engineers (India)

KANCHEPURAM LOCAL CENTRE

MINUTES OF MEETING

CM//2020-2021
31st December 2021

The Institution of Engineers (India) the Kanchipuram Local Centre Committee Meeting on Friday 31st December 2021 at 06:30 pm.

MEMBERS PRESENT:

S.NO	NAME	DESIGNATION
1	Dr. D. Elango	Chairman
2	Dr. G. ShanmugaSundar	Honorary Secretary
3	Dr. S. Karthikeyan,	Member
4	Mr. R. Sundar	Member
5	Dr. G. Madhusudanan	Member
6	Dr. A. Rajendra Prasad	Member
7	Mr.A.Anbhazhagan	Member
8	Dr. M. Srividya	Member
9	Dr. G. ThamaraiSelvi	Member
10	Mr. N. Arunprakash	Member
11	Dr. K. Palanikumar	EX - Officio Member
12	Dr. S. Ramesh	EX - Officio Member
13	Dr. B. Latha	EX - Officio Member

The Meeting was chaired by Dr. D. Elango, Chairman IEI- KLC. The proceedings of the meetings are given below:

7. Welcome by Chairman:

Dr. D. Elango, Chairman extended warm welcome to all the Committee Members for the Committee Meeting of the financial year 2021-22 and then the agenda was taken up for discussion.

8. To Confirm the Minutes of the Committee Meeting held on 26th November 2021

The Minutes of the Committee Meeting held on 26th November 2021 was confirmed.

9. To approve the accounts for the month of November 2021

The accounts for the month of November 2021 were approved.

10. Report on the technical activities Conducted in December 2021 and proposed events for January 2021

Dr. G. Shanmugasundar Honorary Secretary presented the Technical activities.

TECHNICAL ACTIVITIES CONDUCTED IN DECEMBER 2021

EVENTS CONDUCTED:

1. Webinar on "PUBLIC SERVICE COMMISSION EXAMS - HOW TO APPROACH THE SYLLABUS" under the aegis of Mechanical Engineering on 01.12.21 at ST. Joseph's Institute of Technology, Chennai.
2. Webinar on "Speaking up without Freaking out "under the aegis of Mechanical Engineering on 03.12.21 at ST. Joseph's Institute of Technology, Chennai.
3. Webinar on "How to plan your future in the USA" under the aegis of Mechanical Engineering on 03.12.21 at ST. Joseph's Institute of Technology, Chennai
4. Webinar on "Quantum Computing" under the aegis of Mechanical Engineering on 04.12.21 at ST. Joseph's Institute of Technology, Chennai
5. Webinar on Tools for Technical writing under the aegis of Mechanical Engineering on 06.12.21 at ST. Joseph's Institute of Technology, Chennai
6. Webinar on Opportunities in Innovation, Start - ups and Entrepreneurship under the aegis of Computer Engineering on 06.12.21 at Sri Sai Ram Engineering College, Chennai
7. Webinar on An Expert Talk on Entrepreneurship as a Career option under the aegis of Electrical & Electronics Engineering on 08.12.21 at AMET UNIVERSITY, Chennai
8. Webinar on "Mechanical Engineering what is beyond that" under the aegis of Mechanical Engineering on 11.12.21 at ST. Joseph's Institute of Technology, Chennai
9. Energy Conservation day on 14.12.2021 celebrated by Saveetha Engineering College.
10. Energy Conservation day on 14.12.2021 celebrated by Sri Sai Ram Institute of Technology
11. Webinar on Research Methodology our Distinguished Speakers under the aegis of Electrical and Electronics Engineering on 20.12.2021 at AMET University.
12. Two days QUIZ program with associated IEI under the aegis of Electronics and telecommunication Engineering on 28 & 29-12 - 2022 at Sri Sairam Engineering College & Sri Sai Ram Institute of Technology Sai Leo Nagar, West Tambaran, Chennai-600044
13. IEI KLC actively participated & sponsored in Celebration of TNSC Centenary Celebration on Wednesday, 22nd December 2021 at Hotel Le Royal Meridian

EVENTS PROPOSED:

1. One day Seminar on POWER ELECTRONICS FOR GREEN ENERGY 24/02/2022 under the aegis of Electrical Engineering at Jerusalem College of Engineering - **Submitted for approval & funding to IEI headquarters through online**
2. ONE DAY SEMINAR on INFORMATION PRIVACY under the aegis of COMPUTER ENGINEERING on 3rd February 2022 at St. Joseph's Institute of Technology, Chennai- **Submitted for approval & funding to IEI headquarters through online**
3. ALL INDIA WORKSHOP on BIG DATA ANALYTICS USING HADOOP under the aegis of COMPUTER ENGINEERING on 4th & 5th April 2022 at St. Joseph's Institute of Technology, Chennai - **Submitted for approval & funding to IEI headquarters through online**
4. ONE DAY SEMINAR on COMPUTATIONAL COGNITION under the aegis of COMPUTER ENGINEERING on 21st March 2022 at St. Joseph's Institute of Technology, Chennai - **Submitted for approval & funding to IEI headquarters through online**
5. ALL INDIA WORKSHOP on RECENT INNOVATIONS ON NATURAL LANGUAGE PROCESSING under the aegis of COMPUTER ENGINEERING on 3rd & 4th March 2022 at St. Joseph's Institute of Technology, Chennai.- **Submitted for approval & funding to IEI headquarters through online**
6. One Day Workshop on "Recent Trends and Challenges in 3D Printing" under the aegis of Mechanical ENGINEERING on 02.02.2022 at Saveetha Engineering College.- **Submitted for approval & funding to IEI headquarters through online**
7. All India Seminar on FUNDAMENTALS OF ARTIFICIAL INTELLIGENCE under the aegis of Computer Engineering 12.04.2022 & 13.04.2022 at Sri Sairam Engineering College, Sai Leo Nagar, West Tambaram, Chennai-600044- **Submitted for approval & funding to IEI headquarters through online**.
8. One day Workshop on Advancement in Smart Cities by Internet of Things (IoT) Artificial Intelligence under the aegis of Civil Engineering on 10.02.2022 at Sri Sairam Engineering College, Sai Leo Nagar, West Tambaram, Chennai-600044- **Submitted for approval & funding to IEI headquarters through online**
9. All India Seminar on Advancement in Concrete Technology and its Application in Structural Engineering under the aegis of Civil Engineering on 05.05.2022 & 06.05.2022 at Sri Sairam Engineering College, Sai Leo Nagar, West Tambaram, Chennai-600044 - **Submitted for approval & funding to IEI headquarters through online**.
10. One day Seminar on Recent advances in Under Water wireless Communications under the aegis of Electronics and telecommunication Engineering on Feb 10 -2022 at Sri Sairam Engineering College, Sai Leo Nagar, West Tambaram, Chennai-600044- **Submitted for approval & funding to IEI headquarters through online**.
11. One Day Workshop on Cloud Computing under the aegis of Computer Engineering on 16-02-2021 at Sri Sairam Engineering College, Sai Leo Nagar, West Tambaram, Chennai-600044- **Submitted for approval & funding to IEI headquarters through online**
12. One day Workshop on IOT FOR SMART HOME AUTOMATION under the aegis of Electronics and telecommunication Engineering on 10.02.2022 at Sri Sairam Engineering College, Sai Leo Nagar, West Tambaram, Chennai-600044- **Submitted for approval & funding to IEI headquarters through online**
13. One day Seminar on ICC-Automation and Artificial Intelligence (including Control Systems) in Industry and Infrastructure under the aegis of Electronics and telecommunication Engineering on 23.2.2022 at Sri Sairam Engineering College, Sai Leo Nagar, West Tambaram, Chennai-600044- **Submitted for approval & funding to IEI headquarters through online**
14. All India Seminar on Application of Artificial Intelligence and Machine Learning in Electrical Engineering under the aegis of Electrical and Electronics Engineering on 21.04.2022 & 22.4.2022 at Sri Sairam Engineering College, Sai Leo Nagar, West Tambaram, Chennai-600044- **Submitted for approval & funding to IEI headquarters through online**
15. All India Workshop on APPLICATION OF COGNITIVE SYSTEMS IN COMPUTER under the aegis of Computer Engineering on 14.04.2022 & 15.04.2022 at Sri Sairam Engineering College, Sai Leo Nagar, West Tambaram, Chennai-600044- **Submitted for approval & funding to IEI headquarters through online**
16. All India Seminar on APPLICATION OF THE MOST SUCCESSFUL ALLOY SYSTEM OF MODERN TIMES – SUPER ALLOYS under the aegis of Mechanical Engineering on 11.04.2022 & 12.04.2022 at Sri Sairam Engineering College, Sai Leo Nagar, West Tambaram, Chennai-600044- **Submitted for approval & funding to IEI headquarters through online**
17. One Day Seminar on Combating Cyber Security using Artificial Intelligence under the aegis of Computer Engineering on 10.02.2022 at Sri Sairam Institute Of Technology, Sai Leo Nagar, West Tambaram, Chennai-600044- **for approval & funding to IEI headquarters through online**
18. National Conference on Recent trends in Information Technology under the aegis of Computer Engineering on 10.03.2022 & 11.03.2022 at Sri Sairam Institute Of Technology, Sai Leo Nagar, West Tambaram, Chennai-600044- **for approval & funding to IEI headquarters through online**

11. Any other matter with the permission of the Chairman

1. In our IEI KLC Dr. Elayaperumal Eminent Engineer elevated as State Council member due to this Dr. S. Ramesh nominated as Eminent Engineer elected by Committee member.
2. Different Responsibilities in our IEI KLC will be taken care of Individual willingness of all members initiated
3. Dr. A. Rajendra Prasad Committee member IEI KLC Suggested to organize a IEI Student Conference in the month of June/ July 2022

12. Fixing of date & time for the next Committee Meeting

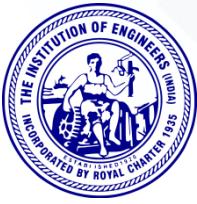
It was decided that the next committee meeting will be on Friday 28th January 2022 at 06:30 pm .

7. Vote of Thanks

The meeting ended with vote of thanks delivered by the Honorary Secretary Dr. G. Shanmugasundar.

Dr. G. ShanmugaSundar., FIE
Hon. Secretary
IEI - Kancheepuram Local Centre

Dr. D. Elango., FIE
Chairman & Council member
IEI- Kancheepuram Local Centre



The Institution of Engineers (India)

KANCHEPURAM LOCAL CENTRE

MINUTES OF MEETING

CM//2021-2022
31st January 2022

The Institution of Engineers (India) the Kanchipuram Local Centre Committee Meeting on Friday 28th January 2022 at 06:30 pm.

MEMBERS PRESENT:

S.NO	NAME	DESIGNATION
1	Dr. D. Elango	Chairman
2	Dr. G. ShanmugaSundar	Honorary Secretary
3	Dr. ArunVasanthaGeethan	Member
4	Mr. R. Sundar	Member
5	Dr. G. Madhusudanan	Member
6	Dr. V. Muthukumar	Member
7	Dr. G. ThamaraiSelvi	Member
8	Mr. N. Arunprakash	Member
9	Dr. B. Latha	EX - Officio Member

The Meeting was chaired by Dr. D. Elango, Chairman IEI- KLC. The proceedings of the meetings are given below:

13. Welcome by Chairman:

Dr. D. Elango, Chairman extended warm welcome to all the Committee Members for the Committee Meeting of the financial year 2021-22 and then the agenda was taken up for discussion.

14. To Confirm the Minutes of the Committee Meeting held on 31st December 2021

The Minutes of the Committee Meeting held on 31st December 2021 was confirmed.

15. To approve the accounts for the month of December 2021

The accounts for the month of December 2021 were approved.

16. Report on the technical activities Conducted in January 2022 and proposed events for February 2022

Dr. G. Shanmugasundar Honorary Secretary presented the Technical activities.

TECHNICAL ACTIVITIES CONDUCTED IN DECEMBER 2021

EVENTS CONDUCTED:

19. Webinar on " **ROBOTICS & MECHANICAL AUTOMATION** " under the aegis of Mechanical Engineering on 10.01.22 at ST. Joseph's Institute of Technology, Chennai
20. Webinar on "**Beyond the Horizon**" under the aegis of Mechanical Engineering on 19.01.22 at ST. Joseph's Institute of Technology, Chennai
21. 73rd Republic Day – Green India under the aegis of Civil Engineering on 25.01.22 at Sri Sai Ram Engineering College, Chennai
22. Webinar on quirk of outcome based education under the aegis of Civil Engineering on 28.01.22 at Sri Sai Ram Engineering College, Chennai
23. IEIKLC Conducted Technical Lecture on Trends and Research opportunities in EV Technology on 28.01.2022

EVENTS PROPOSED:

1. **25th January 2022 National Tourism Day**
2. One Day Workshop on "Recent Trends and Challenges in 3D Printing" under the aegis of Mechanical ENGINEERING on 02.02.2022 at Saveetha Engineering College.- **Submitted for approval & funding to IEI headquarters through online**
3. ONE DAY SEMINAR on INFORMATION PRIVACY under the aegis of COMPUTER ENGINEERING on 3rd February 2022 at St. Joseph's Institute of Technology, Chennai- **Submitted for approval & funding to IEI headquarters through online**
4. One day Workshop on IOT FOR SMART HOME AUTOMATION under the aegis of Electronics and telecommunication Engineering on 10.02.2022 at Sri Sairam Engineering College, Sai Leo Nagar, West Tambaram, Chennai-600044- **Submitted for approval & funding to IEI headquarters through online**
5. One Day Seminar on Combating Cyber Security using Artificial Intelligence under the aegis of Computer Engineering on 10.02.2022 at Sri Sairam Institute Of Technology, Sai Leo Nagar, West Tambaram, Chennai-600044- **for approval & funding to IEI headquarters through online**
6. One day Workshop on Advancement in Smart Cities by Internet of Things (IoT) Artificial Intelligence under the aegis of Civil Engineering on 10.02.2022 at Sri Sairam Engineering College, Sai Leo Nagar, West Tambaram, Chennai-600044- **Submitted for approval & funding to IEI headquarters through online**
7. One day Seminar on Recent advances in Under Water wireless Communications under the aegis of Electronics and telecommunication Engineering on Feb 10 -2022 at Sri Sairam Engineering College, Sai Leo Nagar, West Tambaram, Chennai-600044- **Submitted for approval & funding to IEI headquarters through online**.
8. One Day Workshop on Cloud Computing under the aegis of Computer Engineering on 16-02-2021at Sri Sairam Engineering College, Sai Leo Nagar, West Tambaram, Chennai-600044- **Submitted for approval & funding to IEI headquarters through online**
9. One day Seminar on ICC-Automation and Artificial Intelligence (including Control Systems) in Industry and Infrastructure under the aegis of Electronics and telecommunication Engineering on 23.2.2022 at Sri Sairam Engineering College, Sai Leo Nagar, West Tambaram, Chennai-600044- **Submitted for approval & funding to IEI headquarters through online**
10. One day Seminar on POWER ELECTRONICS FOR GREEN ENERGY 24/02/2022 under the aegis of Electrical Engineering at Jerusalem College of Engineering - **Submitted for approval & funding to IEI headquarters through online**
11. **28th February 2022 National Science Day**
12. ALL INDIA WORKSHOP on RECENT INNOVATIONS ON NATURAL LANGUAGE PROCESSING under the aegis of COMPUTER ENGINEERING on 3rd & 4th March 2022 at St. Joseph's Institute of Technology, Chennai.- **Submitted for approval & funding to IEI headquarters through online**
13. National Conference on Recent trends in Information Technology under the aegis of Computer Engineering on 10.03.2022 & 11.03.2022 at Sri Sairam Institute Of Technology, Sai Leo Nagar, West Tambaram, Chennai-600044- **for approval & funding to IEI headquarters through online**

ONE DAY SEMINAR on COMPUTATIONAL COGNITION under the aegis of COMPUTER ENGINEERING on 21st March 2022 at St. Joseph's Institute of Technology, Chennai - **Submitted for approval & funding to IEI headquarters through online**

14. ALL INDIA WORKSHOP on BIG DATA ANALYTICS USING HADOOP under the aegis of COMPUTER ENGINEERING on 4th & 5th April 2022 at St. Joseph's Institute of Technology, Chennai - **Submitted for approval & funding to IEI headquarters through online**
15. All India Seminar on APPLICATION OF THE MOST SUCCESSFUL ALLOY SYSTEM OF MODERN TIMES – SUPER ALLOYS under the aegis of Mechanical Engineering on 11.04.2022 & 12.04.2022 at Sri Sairam Engineering College, Sai Leo Nagar, West Tambaram, Chennai-600044- **Submitted for approval & funding to IEI headquarters through online**
16. All India Seminar on FUNDAMENTALS OF ARTIFICIAL INTELLIGENCE under the aegis of Computer Engineering on 12.04.2022 & 13.04.2022 at Sri Sairam Engineering College, Sai Leo Nagar, West Tambaram, Chennai-600044- **Submitted for approval & funding to IEI headquarters through online**.
17. All India Workshop on APPLICATION OF COGNITIVE SYSTEMS IN COMPUTER under the aegis of Computer Engineering on 14.04.2022 & 15.04.2022 at Sri Sairam Engineering College, Sai Leo Nagar, West Tambaram, Chennai-600044- **Submitted for approval & funding to IEI headquarters through online**
18. All India Seminar on Application of Artificial Intelligence and Machine Learning in Electrical Engineering under the aegis of Electrical and Electronics Engineering on 21.04.2022 & 22.04.2022 at Sri Sairam Engineering College, Sai Leo Nagar, West Tambaram, Chennai-600044- **Submitted for approval & funding to IEI headquarters through online**
19. All India Seminar on Advancement in Concrete Technology and its Application in Structural Engineering under the aegis of Civil Engineering on 05.05.2022 & 06.05.2022 at Sri Sairam Engineering College, Sai Leo Nagar, West Tambaram, Chennai-600044 - **Submitted for approval & funding to IEI headquarters through online**

17. Any other matter with the permission of the Chairman

1. Chairman of IEI KLC has proposed that the students from various college comes under IEI KLC can also be a part of the lecture meeting
2. Honorary Secretary insists to make a new student Membership and also update the existing Student Membership from various Colleges comes under IEI KLC.
3. Chairman requested all the Committee members to contribute for the conduct of various other Technical activities

18. Fixing of date & time for the next Committee Meeting

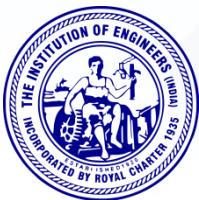
It was decided that the next committee meeting will be on Friday 25th February 2022 at 06:30 pm

7. Vote of Thanks

The meeting ended with vote of thanks delivered by the Honorary Secretary Dr. G. Shanmugasundar.

Dr. G. ShanmugaSundar., FIE
Hon. Secretary
IEI - Kanchipuram Local Centre

Dr. D. Elango., FIE
Chairman & Council member
IEI- Kanchipuram Local Centre



The Institution of Engineers (India)

KANCHEPURAM LOCAL CENTRE

MINUTES OF MEETING

CM//2021-2022
25th February 2022

The Institution of Engineers (India) the Kanchipuram Local Centre Committee Meeting on Friday 25th February 2022 at 06:30 pm.

MEMBERS PRESENT:

S.NO	NAME	DESIGNATION
1	Dr. D. Elango	Chairman
2	Dr. G. ShanmugaSundar	Honorary Secretary
3	Dr. ArunVasanthaGeethan	Member
4	Mr. R. Sundar	Member
5	Dr. G. Madhusudanan	Member
6	Dr. V. Muthukumar	Member
7	Dr. G. ThamaraiSelvi	Member
8	Mr. N. Arunprakash	Member
9	Dr. S. Karthikeyan	Member
10	Mr. M. Duraisami	Member
11	Dr. S. Ramesh	Member
12	Dr. M. Srividiya	Member

The Meeting was chaired by Dr. D. Elango, Chairman IEI- KLC. The proceedings of the meetings are given below:

19. Welcome by Chairman:

Dr. D. Elango, Chairman extended warm welcome to all the Committee Members for the Committee Meeting of the financial year 2021-22 and then the agenda was taken up for discussion.

20. To Confirm the Minutes of the Committee Meeting held on 28thJanuary 2022

The Minutes of the Committee Meeting held on 28th January 2022 was confirmed.

21. To approve the accounts for the month of January 2022

The accounts for the month of January 2022 were approved.

22. Report on the technical activities Conducted in February 2022 and proposed events for March 2022

Dr. G. Shanmugasundar Honorary Secretary presented the Technical activities.

TECHNICAL ACTIVITIES

EVENTS CONDUCTED (February 2022)

24. Technical Webinar on " **Trends and Research Opportunities in EV Technology** on 28.01.22 at IEI KLC, Chennai
25. Webinar on **Quiz Competition on Physics** under the aegis of Mechanical Engineering on 10.02.22 at ST. Joseph's Institute of Technology, Chennai
26. Webinar on **Application of Data Science & Opportunities for Mechanical Engineering in Data Science** under the aegis of Mechanical Engineering on 11.02.22 at ST. Joseph's Institute of Technology, Chennai
27. Webinar on **Essay Writing Competition** under the aegis of Mechanical Engineering on 14.02.22 at ST. Joseph's Institute of Technology, Chennai
28. Webinar on **Business Analytics** under the aegis of Computer Engineering on 16.02.22 at Sri Sai Ram Institute of Technology College, Chennai
29. Webinar on **Plan your Master Degree oversees** under the aegis of Mechanical Engineering on 21.02.22 at ST. Joseph's Institute of Technology, Chennai
30. Webinar on **Industry 4.0** under the aegis of Mechanical Engineering on 22.02.22 at ST. Joseph's Institute of Technology, Chennai
31. Webinar on **Ocean observation platform** under the aegis of Electronics and Communication Engineering on 22.02.22 at SriSairam Institute of Technology, Chennai
32. **Two days workshop on Fundamentals of MATLAB Programming** under the aegis of Mechanical Engineering on 21- 22.02.22 at Agni College of Technology, Chennai
33. **Six days workshop on Nano Technology for Engineering Applications** under the aegis of Mechanical Engineering on 21- 26.02.22 at Sathyabama Institute of Science and Technology, Chennai
34. **National Science Day Celebration – 2022 on Integrated Approach in Science and Technology for a Sustainable future on 24th - 25th .02.2022** at SriSairam Institute of Technology & SriSairam Engineering College, Chennai.

EVENTS PROPOSED(March 2022, Etc..)

20. 4th March 2022 WORLD ENGINEERING DAY FOR SUSTAINABLE DEVELOPMENT at sathyabama Institute of Science and Technology
21. Essay Writing Competition last date of submission on 06.03.2022 at SriSairam Institute of Technology
22. 22nd March 2022 World Water day at Jerusalem Engineering College.
23. One day Seminar on Role of Digitization & Chemistry 4.0 in Chemical Industry under the Aegis of Chemical Engineering on 27.04.2022 at Sri Venkateswara College of Engineering.- **SUBMITTED PROPOSAL**
24. One day Workshop on Lean Manufacturing under the aegis of Mechanical Engineering on 11.04.22 at ST. Joseph's Institute of Technology, Chennai – **SUBMITTED PROPOSAL**

23. Any other matter with the permission of the Chairman

4. Chairman of IEI KLC discussed about the two executive Committee members vacancies position in Agriculture and Architecture Engineering Division. One applicant is received from Agriculture Engineering Division. If the Committee member suggest or recommend any person submit the resume to the chairman before next executive Committee meeting.
5. For smooth and successful conduction of offline mode meetings KLC Office planning to shift from Agni College of Technology to Jerusalem College of Engineering
6. If KLC office shifted to Jerusalem College of Engineering. The first offline meeting will be conducted at Jerusalem College of Engineering.

7. Head Quarters invites the proposals and agreed to sanction the fund for next academic year
8. Chairman of IEI KLC Informed that the 16 local centre's Planning to conduct the technical program every month in all branches for IE(I) Tamilnadu State Centre for Centenary Celebration
9. Honorary Secretary requested all the committee members & various college from IEI KLC Students chapters co-coordinators to send the webinar report for publishing in IEI Newsletter
10. Honorary Secretary requested all the committee members to support for increasing the membership growth.

24. Fixing of date & time for the next Committee Meeting

It was decided that the next committee meeting will be conducted on online mode on Wednesday 23rd March 2022 at 06:30 pm. If it is offline mode it will be intimated two days before the committee meeting

7. Vote of Thanks

The meeting ended with vote of thanks delivered by the Honorary Secretary Dr. G. Shanmugasundar.

Dr. G. ShanmugaSundar., FIE
Hon. Secretary
IEI - Kanchipuram Local Centre

Dr. D. Elango., FIE
Chairman & Council member
IEI- Kanchipuram Local Centre

MINUTES OF MEETING

CM//2021-2022

23rd March 2022

The Institution of Engineers (India) the Kanchipuram Local Centre Committee Meeting on Tuesday 22nd March 2022 at 11:30 am.

MEMBERS PRESENT:

S.NO	NAME	DESIGNATION
1	Dr. D. Elango	Chairman
2	Dr. G. ShanmugaSundar	Honorary Secretary
3	Dr R Venkatesan (Council Member)	EX – Officio Member
4	Dr. ArunVasanthaGeethan	Member
5	Mr. R. Sundar	Member
6	Dr. G. Madhusudanan	Member
7	Dr.G.ThamaraiSelvi	Member
8	Mr.A.Anbazhagan	Member
9	Dr. N.K. Rajan	Member
10	Mr. N. Arunprakash	Member
11	Dr.A.Rajendra Prasad	Member
12	Dr. S. Ramesh	Eminent Engineer
13	Dr. B. Latha	Eminent Engineer

The Meeting was chaired by Dr. D. Elango, Chairman IEI- KLC. The proceedings of the meetings are given below:

1. Welcome by Chairman:

Dr. D. Elango, Chairman extended warm welcome to all the Committee Members for the OFF LINE Committee meeting after the pandemic period. Also he thank Management and Principal of Jerusalem College of Engineering for providing the office space.

Mrs. P.Dhivya applied for committee membership in the month of February 2022. The same was discussed in February 2022 monthly meeting. Now, Mrs. P.Dhivya is nominated as a Executive committee member in Agriculture Engineering Division in IE(I) KLC. It was approved by Chairmen and other committee members.

Going forward, the IE(I) KLC events (Statutory Programme) will be conducted through eminent persons which includes external member not below the rank of Professor in Academic side (or) not below the rank of Manager/ Scientist E1&E2 category are eligible to get Rs.5000/- (Five thousand only) inclusive of all the expenses related to the events. All other category are eligible to get Rs.2000/ (Two thousand only).

Meeting of the financial year 2021-22 and then the agenda was taken up for discussion.

2. To Confirm the Minutes of the Committee Meeting held on 25thFebruary 2022

The Minutes of the Committee Meeting held on 25th February 2022 was confirmed.

3. To approve the accounts for the month of February 2022

The accounts for the month of February 2022 were approved.

4. Report on the technical activities Conducted in March 2022 and proposed events for April 2022

Dr. G. Shanmugasundar Honorary Secretary presented the Technical activities.

TECHNICAL ACTIVITIES

EVENTS CONDUCTED (March 2022)

1. Technical Webinar on " Industrial Automation under the aegis of Mechanical Engineering on 02.03.2022at St. Joseph's Institute of Technology, Chennai
2. 4th March 2022 WORLD ENGINEERING DAY FOR SUSTAINABLE DEVELOPMENT at sathyabama Institute of Science and Technology
3. Technical Webinar on " overview of education for sustainable development under the aegis of Mechanical Engineering on 04.03.2022at SriSairam Engineering College, Chennai
4. Technical Webinar on " 3 – D Construction printing – now & in the futureunder the aegis of civil Engineering on 04.03.22 at SriSairam Engineering College, Chennai.
5. Technical Webinar on " Industry Institute Knowledge Transfer Series under the aegis of Instrumentation and control Engineering on 07.03.2022at SriSairam Engineering College, Chennai
6. Technical Webinar on " International women's day 2022 " women's Achievements" under the aegis of Instrumentation and control Engineering on 08.03.2022at SriSairam Engineering College, Chennai
7. Technical Webinar on " Industry Institute Knowledge Transfer Series under the aegis of Instrumentation and control Engineering on 09.03.2022at SriSairam Engineering College, Chennai
8. National level Technical symposium ELYTRICO 2K22 under the aegis of Electrical and Electronics Engineering on 10.03.2022at AMET University, Chennai
9. Technical Webinar on " Applying IOT in the industrial context under the aegis of Information Technology on 11.03.2022 at SriSairam Institute of Technology, Chennai
10. Technical Webinar on " 3 – D printed house Industry Physics under the aegis of civil Engineering on 11.03.2022 at SriSairam Engineering College, Chennai
11. Drawing Competition under the aegis of Mechanical Engineering on 22nd March 2022 World Water day under the aegis of civil Engineering at Jerusalem Engineering College
12. Webinar on " GATE Preparation strategy and Time Management on 12.03.2022at SriSairam Engineering College, Chennai
13. Technical Webinar on prototype design and development under the aegis of Mechanical Engineering on 14.03.2022at St. Joseph's Institute of Technology, Chennai
14. Essay Writing Competition under the aegis of Electrical and Electronics Engineering on 15.03.2022at AMET University, Chennai

15. Technical Webinar on " Industry Institute Knowledge Transfer Series under the aegis of Instrumentation and control Engineering on 16.03.2022at SriSairam Engineering College, Chennai
16. Webinar on " ZOHO SUMMER INTERNSHIP AWARENESS ROADMAP under the aegis of Information Technology on 17.03.2022at SriSairam Engineering College, Chennai
17. Technical Talk Innovation in civil industries through researchunder the aegis of civil Engineering on 18.03.2022 at SriSairam Engineering College, Chennai
18. Technical Webinar on " opportunities in mechanical core Industries under the aegis of Mechanical Engineering on 19.03.2022at St. Joseph's Institute of Technology, Chennai
19. WORLD POETRY DAY 2022 under the aegis of Electrical and Electronics Engineering on 21.03.2022at AMET University, Chennai
20. 22nd March 2022 World Water day under the aegis of civil Engineering at Jerusalem Engineering College
21. Motivation talk on vettripadigalon 22.03.2022 at SriSairam Engineering College, Chennai
22. Fluid Hackathon World water day on 22.03.2022 at SriSairam Engineering College, Chennai

EVENTS PROPOSED

1. 18th April 2022 World Heritage Day at AMET University, Chennai.
2. 22nd April 2022 World Earth Day
3. All India Workshop on Lean Manufacturing under the aegis of Mechanical Engineering on 02th & 03th June 2022 at ST. Joseph's Institute of Technology, Chennai – SUBMITED PROPOSAL
4. All India Seminar on Application of Artificial Intelligence and Machine Learning in Electrical Engineering under the aegis of Electrical Engineering Division on 27.07.2022, 28.07.2022 at Sri Sairam Engineering College - SUBMITED PROPOSAL

25. Fixing of date & time for the next Committee Meeting

It was decided that the next committee meeting will be conducted on Friday 29th April 2022 at Jerusalem College of Engineering at 05:15 P.M.

6. Vote of Thanks

The meeting ended with vote of thanks delivered by the Honorary Secretary Dr. G. Shanmugasundar.

Dr. G. ShanmugaSundar., FIE
Hon. Secretary
IEI - Kanchipuram Local Centre

Dr. D. Elango., FIE
Chairman & Council member
IEI- Kanchipuram Local Centre

MINUTES OF MEETING

CM//2021-2022

29th April 2022

The Institution of Engineers (India) the Kanchipuram Local Centre Committee Meeting on Friday 29th April 2022 at 05:30 pm.

MEMBERS PRESENT:

S.NO	NAME	DESIGNATION
1	Dr. D. Elango	Chairman
2	Dr. G. Shanmuga Sundar	Honorary Secretary
3	Mr.R.Sundar	Member
4	Dr.S.Karthikeyan	Member
5	Dr. G. Madhusudanan	Member
6	Mr. N. Arunprakash	Member
7	Ms. Diviya	Member
8	Dr. S. Ramesh	Eminent Engineer

The Meeting was chaired by Dr. D. Elango, Chairman IEI- KLC. The proceedings of the meetings are given below:

1. Welcome by Chairman:

Dr. D. Elango, Chairman extended warm welcome to all the Committee Members for the OFF LINE Committee meeting after the pandemic period. Also he thank Management and Principal of Jerusalem College of Engineering for providing the office space.

Meeting of the financial year 2021-22 and then the agenda was taken up for discussion.

2. To Confirm the Minutes of the Committee Meeting held on 22nd March 2022

The Minutes of the Committee Meeting held on 22nd March 2022 was confirmed.

3. To approve the accounts for the month of March 2022

The accounts for the month of March 2022 were approved.

4. Report on the technical activities Conducted in April 2022 and proposed events for May 2022

Dr. G. Shanmugasundar Honorary Secretary presented the Technical activities. **TECHNICAL ACTIVITIES**

EVENTS CONDUCTED

1. Guest Lecture on World Heritage Day “Digital Twin Concepts for Virtual Reality” under the aegis of Electrical and Electronics Engineering Division on 18th April 2022 at AMET University.
2. Guest Lecture on “ Power Electronics in Industrial Applications” under the aegis of Electrical and Electronics Engineering Division on 19th April 2022 at AMET University
3. Guest Lecture on “ Simulation of Electrical circuit using MATLAB” under the aegis of Electrical and Electronics Engineering Division on 22nd & 23rd April 2022 at AMET University
4. Guest Lecture on “ Designing Basic Wheeled Robots” under the aegis of Electrical and Electronics Engineering Division on 25th & 26th April 2022 at AMET University
5. Webinar on FOSS Trainings and Internship opportunities – IITB Spoken Tutorials under the aegis of Computer Engineering Division on 21st April 2022 at Sri Sai ram Institute of Technology.
6. Project Poster Presentation Competition under the aegis of Mechanical Engineering Division on 29th March 2022 at St.Joseph’s Institute of Technology, Chennai.
7. Graffiti art Competition under the aegis of Mechanical Engineering Division on 31st March 2022 at St.Joseph’s Institute of Technology, Chennai
8. Webinar on National Maritime Day Competition 2022 under the aegis of Mechanical Engineering Division on 1st April 2022 at St.Joseph’s Institute of Technology, Chennai
9. One day Workshop on Sharpen your sill set using intensifying software application under the aegis of Mechanical Engineering Division on 20th April 2022 at St.Joseph’s Institute of Technology, Chennai
10. STUCTURAL HACATHON under the aegis of Civil Engineering Division on 18th April 2022 at Sri Sai ram Engineering College
11. INTERNSHIP TAL under the aegis of Civil Engineering Division on 06th April 2022 at Sri Sai ram Engineering College

12. INDUSTRY EXPERT TALK under the aegis of Civil Engineering Division on 06th April 2022 at Sri Sai ram Engineering College
13. C- TALK under the aegis of Civil Engineering Division on 11th April 2022 at Sri Sai ram Engineering College
14. Organizing a value added course on SMART PHONE SERVICING & TROUBLESHOOTING under the aegis of Electronics and Communication Engineering Division on 22³RD& 24th March 2022 at Sri Sai ram Engineering College.
15. Empowerment of Women Civil Engineers ENGINEERING under the aegis of Civil Engineering Division on 25th April 2022 at Sri Sai ram Engineering College
16. INNO Civil Tech under the aegis of Civil Engineering Division on 19th April 2022 at Sri Sai ram Engineering College
17. TECH TALK CIVIL NEXT Tech under the aegis of Civil Engineering Division on 22nd April 2022 at Sri Sai ram Engineering College
18. FIBER REINFORCED CONCRETE under the aegis of Civil Engineering Division on 21st April 2022 at Sri Sai ram Engineering College
19. Earth day “INDIAN GREEN BUILDING COUNCIL “INVEST IN OUR PLANET” under the aegis of Civil Engineering Division on 22nd April 2022 at Sri Sai ram Engineering College

EVENTS PROPOSED.

1. All India seminar on "GREEN BUILDING CONCEPTS AND ITS APPLICATION IN SMART CITIES" under the aegis of Civil Engineering on 20th May 2022 and 21st May 2022 at Sri Sai ram Engineering College.
2. All India seminar on "INFORMATION PRIVACY" under the aegis of Computer Engineering on 1st June 2022 and 2nd June 2022 at St. Joseph's Institute of Technology, Chennai.
3. One day Workshop on " ADVANCEMENT IN SMART CITIES BY IOT & ARTIFICIAL INTELLIGENCE " under the aegis of Civil Engineering on 1st June 2022 at Sri Sai ram Engineering College.
4. All India seminar on “APPLICATION OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING IN ELECTRICAL ” under the aegis of Electrical Engineering on 27th July 2022 and 28th July 2022 at Sri Sai ram Engineering College.
5. All India seminar on “FUNDAMENTALS OF ARTIFICIAL INTELLIGENCE ” under the aegis of Electronics and telecommunication on 29th July 2022 and 30th July 2022 at Sri Sai ram Engineering College, Chennai.
7. Technical Webinar on “APPLICATION OF THE MOST SUCCESSFUL ALLOY SYSTEM OF MODERN TIMES – SUPER ALLOYS ” under the aegis of Mechanical Engineering on 1st August 2022 and 2nd August 2022 at Sri Sai ram Engineering College, Chennai All India workshop on "LEAN MANUFACTURING ON MINIMIZING WASTE WITHIN MANUFACTURING SYSTEMS " under the aegis of Mechanical Engineering on 12th August 2022 and 13th August 2022 at St. Joseph's Institute of Technology, Chennai.

STATUTORY DAYS

Head quarters

17th May World Telecommunication day and Information society day 2022 Theme "**Digital technologies for older persons and healthy ageing**" sanctioned to St.Joseph's Institute of Technology, Chennai

5. Minutes of the Meeting

- i. Chairman introduced new Executive committee member for Agriculture Engineering Ms.P.Dhivya, Assistant Professor.
- ii. Chairman requested all the committee members help to increase the corporate membership, student membership and International membership.
- iii. Chairman informed sanctioning of One day seminar/workshop and Two day All India seminar / workshop to various institutions sanctioned by Headquarters.
- iv. 100 Hour program for Kanchipuram Local centre is given as May 2nd week (ie) from May 9th 2022 to May 14th 2022. The following colleges has been proposed for 100 hours function. Sathyabama University, St.Joseph's Institute of Technology and Saveetha Engineering College.
- v. Those who have Institutional Membership directly they can apply for Technical Activity.

5. Fixing of date & time for the next Committee Meeting

It was decided that the next committee meeting will be conducted on Monday 30th May 2022 at Jerusalem College of Engineering at 05:15 P.M.

6. Vote of Thanks

The meeting ended with vote of thanks delivered by the Honorary Secretary Dr. G. Shanmugasundar.

Dr. G. ShanmugaSundar., FIE
Hon. Secretary
IEI - Kanchipuram Local Centre

Dr. D. Elango., FIE
Chairman & Council member
IEI- Kanchipuram Local Centre

MINUTES OF MEETING

CM/02/2021-2022

15th July 2022

The Institution of Engineers (India) Kanchipuram Local Centre conducted a Committee Meeting on Thursday 30th June 2022 at 05:15 pm.

MEMBERS PRESENT

S.NO	NAME	DESIGNATION
1	Dr. D. Elango	Chairman
2	Dr.K.Palanikumar	Immediate Past Chairman.
3	Dr. G. ShanmugaSundar	Honorary Secretary
4	Dr.B.Latha	Member
5	Dr.V.Muthukumar	Member
6	Dr.S.Karthikeyan	Member
7	Dr. G. Madhusudanan	Member
8	Mr. N. Arunprakash	Member
9	Ms. P. Dhivya	Member
10	Dr. S. Ramesh	Eminent Engineer

The Meeting was chaired by Dr. D. Elango, Chairman IEI- KLC. The proceedings of the meetings are given below:

26. WELCOME BY CHAIRMAN:

Dr. D. Elango, Chairman extended warm welcome to all the Committee Members. Also, he thanked the Management and Principal of Jerusalem College of Engineering for providing the office space.

Meeting of the financial year 2021-22 and then the agenda was taken up for discussion.

27. TO CONFIRM THE MINUTES OF THE COMMITTEE MEETING HELD ON 29th APRIL2022

The Minutes of the Committee Meeting held on 29th April 2022 was confirmed.

28. TO APPROVE THE ACCOUNTS FOR THE MONTH OF MAY AND JUNE 2022

The accounts for the month of May and June 2022 were approved.

29. REPORT ON THE TECHNICAL ACTIVITIES PLANNED AND EVENTS PROPOSED FOR JULY 2022

Dr. G. Shanmuga Sundar, Honorary Secretary, presented the Technical activities.

TECHNICAL ACTIVITIES

EVENTS CONDUCTED

1. 100 Hours Institution of Engineers (India) TNSC Techno Carnival event for Day 2 was organized at Kanchipuram Local Centre on “**Sustainable Project Design**”, 5th May 2022.
2. 100 Hours Institution of Engineers (India) TNSC Techno Carnival event for Day 4 was organized at St.Joseph’s Institute of Technology, Chennai -119 on “**Recent Trend in Product design for Sustainable Development**”, 10th May 2022.
3. 100 Hours Institution of Engineers (India) TNSC Techno Carnival event for Day 5 was organized at Sathyabama Institute of Science and Technology on “**Academic & Industry Conclave on Green Sustainability**”, 10th May 2022.
4. 100 Hours Institution of Engineers (India) TNSC Techno Carnival event for Day 6 was organized at Sathyabama Institute of Science and Technology on “**Sustainable Charging Technologies for Electric Vehicle**”, 12th May 2022.
5. 100 Hours Institution of Engineers (India) TNSC Techno Carnival event for Day 7 was organized at Saveetha Engineering College on “**Sustainable Manufacturing in Industry**”, 13th May 2022.

6. Sathyabama Institute of Science and Technology recently renewed their Student Chapter for 250 students.
7. **World Telecommunication & Information Society Day** was conducted on 17th May 2022 at Sathyabama Institute of Science and Technology, Chennai.
8. All India Seminar on “**Green Building Concept and its Application in Smart Cities**” under the aegis of Civil Engineering Division was organized on 20th & 21st of May 2022 at Sri Sairam Engineering College.
9. All India Seminar on “**Information Privacy**” under the aegis of Computer Science Engineering on 1st June 2022 and 2nd June 2022 at St. Joseph’s Institute of Technology
10. One day workshop on “**Advancement in Smart Cities by IoT& Artificial Intelligence**” under the aegis of Civil Engineering Division on 1st June 2022 at Sri Sairam Engineering College.
11. **World Environment Day** was conducted on 10th June 2022 at Saveetha Engineering College, Chennai.
12. Dr.T.M. Gunaraja, Past President IE(I) Inaugurated the **New Student Chapter**(Civil Engineering) on 30th June 2022 at B.S.Abdur Rahman Crescent Institute of Science & Technology, Chennai.

EVENTS PROPOSED.

1. All India seminar on “**Application of Artificial Intelligence and Machine Learning in Electrical**” under the aegis of Electrical Engineering Division was conducted on 27th July 2022 and 28th July 2022 at Sri Sairam Engineering College.
2. All India seminar on “**Fundamentals of Artificial Intelligence**” under the aegis of Electronics and Telecommunication Division was conducted on 29th July 2022 and 30th July 2022 at Sathyabama Institute of science and technology, Chennai.
3. Technical Webinar on “**Application of Sustainable Concrete in Modern Constructions**” under the aegis of Electronics and Communication Engineering on 6th July 2022 at B.S.Abdur Rahman Crescent Institute of Science & Technology, Chennai.

STATUTORY DAYS:

For the promotion of “**National Thermal Engineering Day**”, Mechanical Department of Sri Sairam Institute of Technology will conduct technical event on 24th July 2022.

ATTENDANCE OF COMMITTEE MEMBERS:

1. **In Tamil Nadu State Centre committee meeting held on 21st June 2022, our Past President IE(I)Dr.T.M.Gunaraja informed to take action against committee members who do not attend/absent three consecutive meetings without valid reason as per regulations 4(f) and will be notified to State Centre and Head Quarters,Kolkata.**
2. **Dr.K.Palani Kumar, Immediate Past Chairman, IE(I)-KLC, also insisted the above rules in our Kanchipuram Local Centre on 30th June 2022. The Executive Committee member also**

acceptedDr.T.M.Gunaraja&Dr.K.Palani Kumar statement to implement the rule 4(f) in the committee meeting held on 30.06.2022.

MINUTES OF THE MEETING

1. The points discussed in National Council Meeting, held at Himachal Pradesh were discussed which was mainly focused on manpower, technical activities and membership drive.
2. For transparency in the proposal, it is decided to publish circular by IE(I) KLC with last date of submission, so that all colleges can submit the proposal on time.
3. **On the grants received through IE(I) - KLC, follow the existing system to retain 20% as centre's expenses and remaining 80% as proposal grant. This system already followed in our KLC. Tamil Nadu State Centre suggested follow the above % in all the Local Centre.**
4. Colleges submitting the proposal should have check the status of student chapter validity to avoid the rejection of the proposal.
5. Sathyabama Institute of Science and Technology will initiate and is yet to start a new Student Chapter in the month of August, 2022.
6. Department of Computer Science Engineering, Jerusalem Engineering College planned to initiate a new Student Chapter.
7. To co-ordinate membership and student chapter related activity, Mr.N. Arunprakash has been appointed as membership co-ordinator by the acceptance of committee members.
8. IEI-KLC planned to give Chapter Award for the Institutions which will be conducting more number of Technical Activities.

FIXING OF DATE & TIME FOR THE NEXT COMMITTEE MEETING

It was decided that the next committee meeting will be conducted on Friday 29th of July 2022 at Jerusalem College of Engineering at 05:15 P.M.

VOTE OF THANKS

The meeting ended with vote of thanks delivered by the Honorary Secretary Dr. G. Shanmugasundar.

Dr. G. ShanmugaSundar., FIE
Honorary Secretary
Chairman
IE(I) - Kanchipuram Local Centre

Dr. D. Elango., FIE
National Council member &
IE(I)- Kanchipuram Local Centre

MINUTES OF MEETING

CM/03/2022-2023

30th August 2022

The Institution of Engineers (India) Kanchipuram Local Centre conducted a Committee Meeting on Friday 12th August 2022 at 05:15 pm.

MEMBERS PRESENT S.NO	NAME	DESIGNATION
1	Dr. D. Elango	Chairman
2	Dr. G.	Honorary
	ShanmugaSundar	Secretary
3	Mr.R.Sundar	Member
4	Dr.S.Karthikeyan	Member
5	Dr. G. Madhusudanan	Member
6	Dr. S. Ramesh	Eminent Engineer
7	Dr.V.Muthukumar	Member
8	Mr. N. Arunprakash	Member
9	Ms.P.Dhivya	Member

The Meeting was chaired by Dr. D. Elango, Chairman IEI- KLC. The proceedings of the meetings are given below:

1. WELCOME BY CHAIRMAN:

Dr. D. Elango, Chairman extended warm welcome to all the Committee Members.

2. TO CONFIRM THE MINUTES OF THE COMMITTEE MEETING HELD ON 30th JUNE 2022

The Minutes of the Committee Meeting held on 30th June 2022 was confirmed.

3. TO APPROVE THE ACCOUNTS FOR THE MONTH OF JULY 2022

The accounts for the month of July 2022 were approved.

4. REPORT ON THE TECHNICAL ACTIVITIES PLANNED AND EVENTS PROPOSED FOR AUGUST 2022.

Dr. G. ShanmugaSundar, Honorary Secretary, presented the Technical activities.

TECHNICAL ACTIVITIES

EVENTS CONDUCTED:

1. **Technical Webinar** on “Application of Sustainable Concrete in Modern Constructions” under the aegis of Civil Engineering Division on 6th July 2022 at B.S.Abdur Rahman Crescent Institute of Science & Technology, Chennai.

2. **All India seminar** on “Application of Artificial Intelligence And Machine Learning In Electrical ” under the aegis of Electrical Engineering on 27th& and 28th July 2022 at Sri Sai ram Engineering College.

3. **All India seminar** on “Fundamentals of Artificial Intelligence ” under the aegis of Electronics and telecommunication on 29th July 2022 and 30th July 2022 at Sathyabama Institute of science andtechnology, Chennai.

EVENTS PROPOSED:

1. **1. All India Workshop** on “Workshop on Solar Energy for Residential Applications” under the aegis of Mechanical Engineering Division on 28th& 29th September 2022 at Sri Sai Ram Engineering College.

2. **All India seminar** on “Applications on Integration of Green Energy with Smart Grid through IOT” under the aegis of Electrical Engineering Division on 6th& 7th October 2022 at Sathyabama Institute of science and technology auditorium
3. **All India seminar** on “Recent Innovations on Natural Language Processing” under the aegis of Computer Engineering Division on 11th& 12th October 2022 at St. Joseph’s Institute of Technology, Chennai.
4. **Two Day Workshop** on “Driving Digital Transformation Through Data, AI and Machine Learning” under the aegis of Computer Engineering Division on 13th& 14th October 2022 at Sathyabama Institute of science and technology auditorium.
5. **All India Workshop** on “Augmented Reality Using Unity” under the aegis of Computer Engineering Division on 17th& 18th October 2022 at St. Joseph’s Institute of Technology, Chennai.
6. **All India Workshop** on “HYBRID ELECTRIC VEHICLE ” under the aegis of MECHANICAL ENGINEERING Division on 17th& 18th October 2022 at Jerusalem College of Engineering, Chennai.
7. **Two Day Workshop** on “Cloud Computing” under the aegis of Computer Engineering Division on 20th& 21st October 2022 at Sri Sai Ram Engineering College, Chennai.
8. **One Day Seminar** on “Industrial Automation” under the aegis of Electrical Engineering Division on 13th December 2022 at Sri Sai Ram Institute of Technology

One Day Seminar on “5G Wireless Technology” under the aegis of Computer Engineering Division on 15th December 2022 at Sri Sai Ram Institute of Technology –Chennai 44.

10. **All India Workshop** on “Smart Manufacturing And Automation Using Advanced robotics” under the aegis of Mechanical Engineering Division on 4th& 5th January 2023 at Sri Sai Ram Institute of Technology - Chennai 44.
11. **National Conference** on “Recent trends in Information and Communication Technology” under the aegis of Computer Engineering Division on 15th& 16th March 2023 at Sri Sai Ram Institute of Technology – Chennai 44.
12. **Regional Conclave of Students Chapter** on “Cognitive Computing” under the Students Chapter on 20th& 21st September 2022 at St. Joseph’s Institute of Technology, Chennai.
13. 30th August, 2022 **Small Industry Day**.

STATUTORY DAYS:

1. For the promotion of “**Small Industry Day**”, Saveetha Engineering College will conduct technical event on 30th August 2022.
2. For the promotion of “**Royal Charter Day**”, Jerusalem College of Engineering will conduct technical event on 9th September 2022.
3. For the promotion of “**Engineers Day**”, Crescent University will conduct technical event on 15th September 2022.

MINUTES OF THE MEETING

1. As the fund flow is low, each college should submit two proposals.
2. Research and Development grant for Sathyabama Institute of Science & Technology has been submitted of it's under review.
3. After Last committee meeting the Sathyabama College has taken steps to renew the Mechanical Student Chapter and start the new student chapter for IT department.
4. Anna University is organization convention for production department with regard to it the KLC has come forward to sponsor to attend the convention. Which is on 18th August @ Anna University for 2 days.

5. Kanchipuram Local Centre has asked the member colleges to send at least two students from Mechanical & Production Department.

6. The Member Colleges has accepted the request and gave the list as follows.

Sri Sai Ram Institute of Technology /Mechanical Department – 2 Students

Sri Sairam EngineeringCollege (Production) – 2 Students

Saveetha Engineering College – 2 Students

St. Joseph's Institute of Technology – 2 Students

Sathyabama Institute of Science and Technology – 2 Students.

8. Chairman said that there will be a centenary function which is planned on December 16th @ Kalaivanan Arangam for the centenary function Honorable Prime Minister will be the Chief Guest.

9. Committee members suggested to include the meeting number in the caption of the Minutes of meeting & Agenda. FIXING OF DATE & TIME FOR THE NEXT COMMITTEE MEETING It was decided that the next committee meeting will be conducted on 23/09/2022 at Jerusalem College of Engineering at 05:15 P.M.

VOTE OF THANKS

The meeting ended with vote of thanks delivered by the Honorary Secretary Dr. G. Shanmugasundar.

Dr. G. ShanmugaSundar., FIE

Honorary Secretary

IE(I) - Kanchipuram Local Centre

Dr. D. Elango., FIE

National Council member & Chairman

IE(I)- Kanchipuram Local Centre

KANCHEPURAM LOCAL CENTRE

Annual Report 2020-21



MEMBERSHIP STATUS

S.NO	DIVISION LIST	MEMBER STATUS
1	AG	2
2	AR	4
3	AS	8
4	CH	46
5	CP	131
6	CV	835
7	EL	455
8	EN	18
9	ET	421
10	MC	729
11	MM	10
12	MN	6
13	MR	18
14	PR	67
15	TX	9

List of Corporate Members Attached to Kanchipuram Local Centre on 31st MARCH

2022: 2755



KANCHEPURAM LOCAL CENTRE

Annual Report 2021-22

STUDENT CHAPTERS ADDED

- **Sri Sai Ram Institute of Technology**
- **Agni College of Technology**
- **ST. Joseph's Institute of Technology**
- **Academy of Maritime Education and Training (AMET) Deemed to be University,**
- **Sri Venkateswara Engineering College**
- **Dhanalakshmi srinivasan college of engineering and Technology**
- **Sri Sai Ram Engineering College**
- **Raja Lakshmi Engineering College**
- **Saveetha Engineering College**
- **KCG College of Technology**
- **Sri Sai Ram Polytechnic College**
- **Vels Institute of Science, Technology and advanced studies Chennai.**
 - **B. S. Abdur Rahman Crescent Institute of Science and Technology**
 - **Jerusalem College of Engineering**



- **KANCHEPURAM LOCAL CENTRE**

Annual Report 2021-22

- **INSTITUTIONAL MEMBERSHIP (16) 2021- 2022**

1. LARSEN & TOUBRO LIMITED
2. MISRIMAL NAVAJEE MUNOTH JAIN ENGINEERING COLLEGE
3. ADHIPARASAKTHI ENGINEERING COLLEGE
4. GKM COLLEGE OF ENGINEERING AND TECHNOLOGY
5. SATHYABAMA UNIVERSITY
6. SRM EASWARI ENGINEERING COLLEGE
7. KCG COLLEGE OF TECHNOLOGY
8. AGNI COLLEGE OF TECHNOLOGY
9. VELS INSTITUTE OF SCIENCE TECHNOLOGY AND ADVANCED STUDIES
10. JERUSALEM COLLEGE OF ENGINEERING
11. SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, RAMAPURAM CAMPUS
12. B. S. ABDUR RAHMAN UNIVERSITY
13. RAJALAKSHMI ENGINEERING COLLEGE
14. RAJALAKSHMI INSTITUTE OF TECHNOLOGY
15. SREE SASTHA INST OF ENGINEERING AND TECHNOLOGY
16. **ST.JOSEPH COLLEGE OF ENGINEERING**



TECHNICAL ACTIVITIES

REPORT 2022

Name of Centre		Kanchipuram Local Centre	
Title of Activity		"ROLE OF MECHANICAL ENGINEERS IN IT SECTOR"	
Activity under Division Board		Mechanical Engineering	
Date	08-11-2021	Venue	Online Seminar, St. Joseph's Institute of Technology



The Institution of Engineers (India)
Kanchipuram Local Centre
St. Joseph's Institute of Technology
Department of Mechanical Engineering

Institution of Engineers of India and St.Joseph's Institute of Technology Department of Mechanical Engineering coordinally organises a webinar titled "**ROLE OF MECHANICAL ENGINEERS IN IT SECTOR**" Mr. G.Arun Prakash, Senior Technical Lead, HCL Technologies, Chennai on 08.11.2021 (6.00 pm to 7.00pm) .The function begins with Tamil thai valtuth followed by the welcome address given by Dr.K.Arunk Vasantha Geethan, Professor and Head, Department of Mechanical Engineering, St. Joseph's Institute of Technology, OMR, Chennai The guest Gives the detailed talk about the various products and service of IT sector and probable working environment of IT industries and how mechanical engineer can equip themselves according to the various working nature of IT sector was clearly explained and also he delivers the possible questions they might ask in the interview was discussed. Vote of Thanks was delivered by D. Arhtur Jebastine Sunderraj, Assistant Professor, Department of Mechanical Engineering St. Joseph's Institute of Technology. With National Anthem the function came to an end.

Name of Centre		Kanchipuram Local Centre	
Title of Activity		“AWARENESS PROGRAM ON GATE EXAM”	
Activity under Division Board		Mechanical Engineering	
Date	11-11-2021	Venue	Online Seminar, St. Joseph's Institute of Technology



**The Institution of Engineers (India)
Kanchipuram Local Centre
St. Joseph's Institute of Technology
Department of Mechanical Engineering**

Institution of Engineers of India and St.Joseph's Institute of Technology Department of Mechanical Engineering coordinally organises a webinar titled “AWARENESS PROGRAM ON GATE EXAM” on 11.11.2021 (5.00 pm to 6.00pm) .The function begins with Tamil thai valthu followed by the welcome address given by Dr.K.Arunk Vasantha Geethan, Professor and Head, Department of Mechanical Engineering, St. Joseph's Institute of Technology, OMR, Chennai The guest gives the detailed talk about the various opportunities in PSU's and other government sectors through GATE EXAM. Various inputs to clear the GATE EXAM with 1 year of preparation, exam pattern and preparation techniques. He explained the benefits of preparing for GATE Exam and how it will help for On-Campus placement drives. Vote of Thanks was delivered by Mr.R. Ranjith Kumar, Assistant Professor, Department of Mechanical Engineering St. Joseph's Institute of Technology. With National Anthem the function came to an end.

Name of Centre		Kanchipuram Local Centre
Title of Activity		“HOW TO CRACK PUBLIC SERVICE COMMISSION (UPSC/TNPSC)”
Activity under Division Board		Mechanical Engineering
Date	13-11-2021	Venue



**The Institution of Engineers (India)
Kancheepuram Local Centre
St. Joseph's Institute of Technology
Department of Mechanical Engineering**

Institution of Engineers of India and St.Joseph's Institute of Technology Department of Mechanical Engineering coordinally organises a webinar titled "**HOW TO CRACK PUBLIC SERVICE COMMISSION EXAMS (UPSC/TNPSC)**". Mr. V.Arun Kumaar, Alumni of St.Joseph's Institute of Technology and Ex-Engineer of Wheels India, UPSC Aspirant delivered his speech on 13.11.2021 (6.00 pm to 7.00 pm). The program begins with welcome address given by Dr.K.Arav Vasantha Geethan, Professor and Head, Department of Mechanical Engineering, St.Joseph's Institute of Technology, OMR, Chennai. The guest speaker delivers the inputs on various categories of postings in public service commission in state and central government sectors which includes Engineering and Non engineering posts, exam patterns, selection process, age limits and number of attempts. Also he delivered his valuable inputs on preparation guidelines, hints to be taken before the preparation of exams. The program comes an end with Vote of Thanks was delivered by Mr.N.Suresh, Assistant Professor, Department of Mechanical Engineering St. Joseph's Institute of Technology followed by National Anthem.

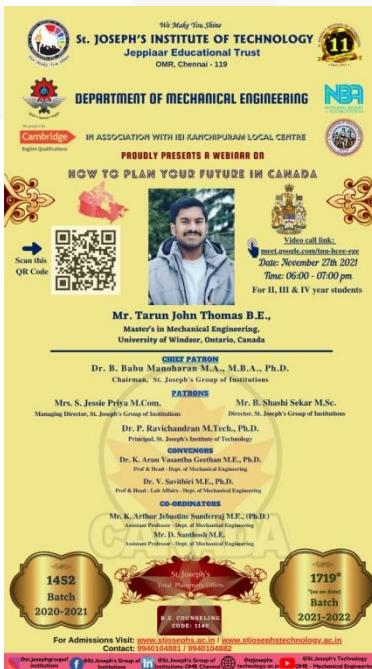
Name of Centre			Kancheepuram Local Centre
Title of Activity			"LESS KNOWN FACTS ABOUT JOBS IN THE "IT" SECTOR"
Activity under Division Board			Mechanical Engineering
Date	14-11-2021	Venue	Online Seminar, St. Joseph's Institute of Technology



The Institution of Engineers (India)
Kanchipuram Local Centre
St. Joseph's Institute of Technology
Department of Mechanical Engineering

Institution of Engineers of India and St.Joseph's Institute of Technology Department of Mechanical Engineering coordinally organizes an ALUMNI TALK titled “**LESS KNOWN FACTS ABOUT JOBS IN THE "IT" SECTOR**” by Mr. VIVEKANANDAN SARAVANAN, ASSISTANT SYSTEM ENGINEER, TATA CONSULTANCY SERVICES Chennai on 14.11.2021 (5.00 pm to 6.00 PM) .The function begins with Tamil Thai Valthu followed by the welcome address given by Dr.K.Arun Vasantha Geethan, Professor and Head, Department of Mechanical Engineering, St. Joseph's Institute of Technology, OMR, Chennai. He briefly described about the opportunities of Mechanical Engineers in the IT industry. He also described about Data Science, Cloud etc. in which Mechanical Engineer can excel well as it does not need any programming knowledge. Vote of Thanks was delivered by P.SABARISH KUMAR, Assistant Professor, Department of Mechanical Engineering St. Joseph's Institute of Technology. With National Anthem the function came to an end.

Name of Centre			Kanchipuram Local Centre
Title of Activity			“How to Plan your Future in Canada”
Activity under Division Board			Mechanical Engineering
Date	22-11-2021	Venue	Online Seminar, St. Joseph's Institute of Technology



**The Institution of Engineers (India)
Kancheepuram Local Centre
St. Joseph's Institute of Technology
Department of Mechanical Engineering**

Institution of Engineers of India and St. Joseph's Institute of Technology Department of Mechanical Engineering coordinally organises a webinar titled "**How to plan your Future in Canada**". Mr. Tarun John Thomas ,Masters in Mechanical Engineering, University of Windsor, Ontario, Canada has delivered his speech on 27.11.2021 (6.00 pm to 8.30 pm). The program begins with welcome address given by Dr.K.Arun Vasantha Geethan, Professor and Head, Department of Mechanical Engineering, St. Joseph's Institute of Technology, OMR, Chennai. The guest speaker guides the students with opportunities in Canada, possible universities to choose for higher studies in Canada, how to equip our self for entering in to Canada, and also clears the doubt of various participants of the event The program comes an end with Vote of Thanks was delivered by Dr.K.Arun Vasantha Geethan, Professor and Head, Department of Mechanical Engineering, St. Joseph's Institute of Technology followed by National Anthem.

Department of Electrical and Electronics Engineering

**IEI STUDENT CHAPTER
KANCHEPURAM LOCAL CENTRE**

Report

Training Programme

On

ELECTRICAL MACHINES AND CONTROL

for

IV Year EEE-Marine IEI STUDENT MEMBERS

In association with



Date: 24th & 25th NOVEMBER 2021

Venue: S2- SEMINAR HALL & S6 Class room, AMET

Resource Person(s)

Mr. G. Velmurugan

Senior Manager-Training

TVS Training & Services

Chennai

About the Programme:

The Department of Electrical and Electronics Engineering of AMET Deemed to be University has organized a Training Programme on “Electrical Machines and Control” during 24th & 25th November 2021 (12 Hours) at S2-Seminar Hall, AMET. 24 IEI student members of IV Year B.E. EEE- Marine have attended the training program and got benefited.

The main objective of this programme

The objective of conducting this training programme is:

- ❖ To strengthen the collaboration between the industry and research community
- ❖ To understand the operation of all the components that are used in the circuit and to enable innovators to focus on their challenging research areas.
- ❖ To utilize the appropriate electrical machines
- ❖ To acquire knowledge about electrical machine control and testing.
- ❖ To learn about safety measures of various electrical machines
- ❖ To understand the concepts of machine troubleshooting.

The training was given by the External Expert **Mr. G. Velmurugan**, Senior Manager-Training, TVS Training & Services, Chennai. He had clearly explained about the importance of Electrical Machines, Applications and its Control and he had given training on design of power and control circuit for different applications using **EKTS** software.

COURSE OUTCOMES:

After completion of the course, students will be able to

- ❖ Infer an idea about the electrical standards used in industry.
- ❖ Demonstrate electrical diagram, electrical safety and maintenance.
- ❖ Develop knowledge on wiring connections for the electrical devices and troubleshooting skills

Total of 24
and provided
future.

students got their E-certificate. Many Students are expressed their views feedback on this program. They are expecting more programs like this in

Name of Centre			Kancheepuram Local Centre
Title of Activity			"Public Service Commission Exams-How to approach the Syllabus"
Activity under Division Board			Mechanical Engineering
Date	01-12-2021	Venue	Online Seminar, St. Joseph's Institute of Technology

The Institution of Engineers (India)
Kancheepuram Local Centre
St. Joseph's Institute of Technology
Department of Mechanical Engineering

Institution of Engineers of India and St. Joseph's Institute of Technology Department of Mechanical Engineering coordinally organises a webinar titled "**Public Service Commission Exams-How to approach the Syllabus**". Mr. V.Arun Kumar ,Ex Engineer- Wheels India Ltd, UPSC Aspirant, has delivered his speech on 01.12.2021 (6.00 pm to 7.30 pm). The program begins with welcome address given by Dr.K.Arun Vasantha Geethan, Professor and Head, Department of Mechanical Engineering, St. Joseph's Institute of Technology, OMR, Chennai. The guest speaker guides the students with How to prepare the competitive exam according to our requierement, various materials can be used for the exams and several exam tips have to follow in the competitive exams, The program comes an end with Vote of Thanks was delivered by Mr.A.K.Arun Raja, Assistant Professor, Department of Mechanical Engineering, St. Joseph's Institute of Technology followed by National Anthem.

Name of Centre			Kancheepuram Local Centre
Title of Activity			"Mechanical Engineering What is beyond that"
Activity under Division Board			Mechanical Engineering
Date	11-12-2021	Venue	Online Seminar, St. Joseph's Institute of Technology



**The Institution of Engineers (India)
Kanchipuram Local Centre
St. Joseph's Institute of Technology
Department of Mechanical Engineering**

Institution of Engineers of India and St. Joseph's Institute of Technology Department of Mechanical Engineering coordinally organises a webinar titled "**Mechanical Engineering What is beyond that**" **Mr. P. Venkat Puneeeth, our Alumni of 2016-20 batch.**, has delivered his speech on 11.12.2021 (6.00 pm to 7.00 pm). The program begins with welcome address given by Dr. K. Arun Vasantha Geethan, Professor and Head, Department of Mechanical Engineering, St. Joseph's Institute of Technology, OMR, Chennai. The guest speaker delivers his thoughts about the brief study of mechanical engineering and its related job opportunities in abroad and India, The program comes an end with Vote of Thanks was delivered by Mr. S. Jegadesh, Assistant Professor, Department of Mechanical Engineering, St. Joseph's Institute of Technology followed by National Anthem.

JERUSALEM COLLEGE OF ENGINEERING
AN AUTONOMOUS INSTITUTION
(A Member of Tagore Group of Institutions)
Approved by AICTE, New Delhi | Affiliated to Anna University, Chennai
Accredited by NAAC with "A" Grade

CELEBRATING
25
— years —
ANNIVERSARY

REPORT ON TWODAYS WORKSHOP ON
PYTHON PROGRAMMING WITH HANDS-ON SESSION

28 &29 December 2021

The Jerusalem College of engineering, Department of computer science and engineering conducted Two days workshop on python programming with Hands-on session on 28 & 29 December 2021. The workshop was organized on online platform through google meet by the Program Co-Ordinators Mr. Vinod.Rand Mr.Maheshwaran.S. The event started formally by the welcome address at 10 a.m. The Resource person for the event was Mr.Sreedhar.S. He highlighted the importance and application of python programming and also explained in detail about the coding techniques on python on 28 December 2021. On 29 December 2021, he explained about the basics of tkinter and also about creating an app using tkinter. The doubts were clarified at the end of the session. There were more than 100number of students who participated in this workshop. Apart from a good number of students, the workshop was also attended by faculty/experts/professor from different universities

and colleges of Tamil Nadu. The participants were awarded with e-certificate. The workshop came to an end with the vote of thanks.

Name of Centre		Kancheepuram Local Centre	
Title of Activity		“ROBOTICS & MECHANICAL AUTOMATION”	
Activity under Division Board		Mechanical Engineering	
Date	10-01-2022	Venue	Online Seminar, St. Joseph's Institute of Technology

The Institution of Engineers (India)
Kancheepuram Local Centre
St. Joseph's Institute of Technology
Department of Mechanical Engineering

Institution of Engineers of India and St.Joseph's Institute of Technology Department of Mechanical Engineering coordinally organises a Faculty webinar titled “**ROBOTICS & MECHANICAL AUTOMATION**” Mr. Harish Rajendiran, Junior Mechanical Design Engineer- Advansoft International Hydredab on 10.01.2022 (11.00 am to 12.00pm) .The function begins with Tamil thai valthu followed by the welcome address given by Dr.K.Arun Vasantha Geethan, Professor and Head, Department of Mechanical Engineering, St. Joseph's Institute of Technology, OMR, Chennai.Cheif Guest is honoured by Mr.P.Sabarish Assistant Professor, Department of Mechanical Engineering St. Joseph's Institute of Technology. The guest Gives the detailed talk about the various Robots and service of IT sector and probable working environment of robot in industries and how mechanical engineer can equip themselves according to the various working nature of Robot and automated Industry was clearly explained Vote of Thanks was delivered by D. Arthur Jebastine Sunderraj, Assistant Professor, Department of Mechanical Engineering St. Joseph's Institute of Technology. With National Anthem the function came to an end.

Name of Centre		Kancheepuram Local Centre	
Title of Activity		“Beyond the Horizon”	
Activity under Division Board		Mechanical Engineering	
Date	19-01-2022	Venue	Online Seminar, St. Joseph's Institute of Technology



**The Institution of Engineers (India)
Kanchipuram Local Centre
St. Joseph's Institute of Technology
Department of Mechanical Engineering**

Institution of Engineers of India and St. Joseph's Institute of Technology Department of Mechanical Engineering coordinally organises a webinar titled “**Beyond the Horizon**” **Mr. Pankhaj Damodaran, Senior Analyst –GBS Planning, Flextronics Technologies (India) Pvt Ltd, our Alumni of 2016-20 batch.**, has delivered his speech on 19.01.2022 (6.00 pm to 7.00 pm). The program begins with welcome address given by Dr. K. Arun Vasantha Geethan, Professor and Head, Department of Mechanical Engineering, St. Joseph's Institute of Technology, OMR, Chennai. The guest speaker share his experience his career as an mechanical engineer, and guides the students WRT to interview and share his knowledge in and out of an core industry. Tthe Event was well organised by Mr. R. RanjithKumar & Mr.A.Sathishkumar, Assistant Professor, Department of Mechanical Engineering, St. Joseph's Institute of Technology followed by National Anthem.

WORLD ENGINEER'S DAY

NAME OF THE CENTRE	IEI KANCHEPURAM LOCAL CENTRE
TITLE OF THE PROGRAMME	Seminar on the occasion of World Engineer's Day
TOPIC	WORLDENGINEER'SDAY
STUDENT LEVEL/FACULTY LEVEL/BOTH	BOTH

DATE/TIME/DURATION OR THE PROGRAMME/NO OF DAYS	04TH MARCH 2022/2.15-3.15PM/1 HOUR/1
SPEAKER DETAILS	Dr.V. Sivachidambaranathan Professor and Head, Department of Electrical and Electronics Engineering, Sathyabama Institute of Science and Technology
NAME OF THE CONVENER AND CO- CONVENER	Dr.V. SIVACHIDAMBARANATHAN, Dr.S. KARTHIKEYAN Dr.S.D. SUNDARSINGH JEBASEELAN,
NAME OF THE STAFF ORGANIZER	Dr.S.D. SUNDARSINGH JEBASEELAN
NUMBER OF PARTICIPANTS	50

SPEAKER : Dr. V. SIVACHIDAMBARANATHAN

Dr.V. Sivachidambaranathan received his AMIE degree in Electrical Engineering from the Institution of Engineers (INDIA), Section A and Section B in 1997 and 2002, M.E. degree in Power Electronics and Industrial Drives from Sathyabama Institute of Science and Technology in 2005 and obtained his Ph.D. degree in the Faculty of Electrical Engineering from Sathyabama University, in the year 2013. He is currently working as Professor and Head, Department of Electrical and Electronics Engineering, Head - Internal Exam Cell, at Sathyabama Institute of Science and Technology, Chennai. His research interest includes Power Converter, Drives and Control and Renewable Energy Sources.

Achievements:

Filed and Published one Patent

Produced one Ph.D. Scholar and guiding 8 Research Scholar.

Editor in the Course book of Basic Electrical and Electronics Engineering, Published by Sathyabama Institute of Science and Technology 2013.

Published more than 75 papers in various Journals and Conferences, and having Scopus h index 11

Awards & Recognitions

Best Paper Award in International Conference “Emerging Novelties & Vistas in Space Technology & Applications” (ENVISTA-2016)

Best Faculty Award from Sathyabama University for the year 2011-12

Reviewer in Indian Journal of Science and Technology, (ISSN 0974-6846)

Reviewer in International Transactions on Electrical Energy Systems (ISSN: 2050-7038)

Associate Member in The Institution of Engineers (India) (member ship no: AM0983953)

Life Member in “The Indian Society for Technical Education” – for promoting the quality and standards in technical education.

Senior Member in IACSIT, International Association of Computer Science and Information Technology, Singapore.
(Registered No.: 53122865K)

OUTCOME:

Department of Electrical and Electronics Engineering organized a seminar on WORLDENGINEER'SDAY. The seminar was conducted on 4th MARCH 2022,between of 02.15pm and 03.15pm (IST). The speaker of the webinar was Dr.V. Sivachidambaranathan.

The webinar begun precisely at 02.00pm.The webinar was very informative. All the participants were able to know more about the importance of engineering and also about the upcoming industrial innovations.All were encouraged and motivated to learn more about the upcoming industrial revolution. The webinar got over at 03.15pm (IST). Finally,Dr.S.D. SundarsinghJebaseelan proposed vote of thanks. He expressed special gratitude to Dr.V. Sivachidambaranathan for his informative and useful presentation. He also expressed gratitude to students for their constant encouragement and support in conducting the seminar. He further shared his heartfelt thanks to all the participants of the webinar to make it a grand success. There was a good positive reaction to this webinar from the participant side.

REPORT BY:

B. PRABAVATHI

FEW GLIMPSES OF THE WEBINAR:



Inauguration of IEI centre and Celebration of World Water Day on 22.03.2022

IEI Kancheepuram local centre was inaugurated in Jerusalem College of Engineering on 22.03.2022 by Dr.B.V.Mudgal, Professor, Centre for Water Resources, Anna University. World water day was also celebrated

with welcoming of participants by Dr.P.Asha, HoD/Civil Dept. Dr.Ramesh S., Principal delivered the presidential address emphasizing the need for world water day. Special address was given by Dr.Ramalingam, Director in which he mentioned about the various prospects in the field of water conservation. Dr.B.V.Mudgal, gave keynote address about the ground water management with sustainable approach. Dr.S.Elango Chairman IEI and Dr.Shanmugasundar Secretary IEI elaborated about IEI , its activities and benefits of becoming an IEI member.



REPORT OF SEMINARS / WEBINARS ORGANISED BY CENTRES / FORA

Name of the Centre / Forum		IEI-KANCHEPURAM LOCAL CENTER	
Title of the Webinar:		INDUSTRY EXPERT TALK	
Under the aegis of which Divisional Board:		CIVIL ENGINEERING	
Program Date:	06.04.2022	Program Time:	9.30AM
Associate organization (if any):		Sri Sairam Engineering College	
No. of Participants logged in		70	

Report of Webinar

Panellist No. 1

Name: ABHIJEET	Photo
Designation: Senior Design Engineer, Geological Division, L&T, Chennai	
Credential in Brief: Expert in Geotechnical engineering.	

Excerpts of deliberation:

1. Importance of Geotechnical engineering.
2. Problems in soil conditions.
3. Evaluation of soil conditions.
4. Site analysis

Comments of Moderator and Recommendation:

1. Modern technologies in Soil Analysis.
2. Soil report preparation and analysis.
3. Properties of soil.

Extract of Welcome address by Chairman, Host Centre:

The function was inaugurated by Dr.Elango FIE Kancepuram Local Center, IEI Chairman along with other IEI Council member and also presented the opportunities available IEI and elaborated about IEI and its role in

Geotechnical engineering domain.

Extract of Vote of Thanks by Honorary Secretary, Host Centre:

IEI secretary Dr.G.Shanmugasundar FIE Kancepuram Local Center presented vote of thanks.

Report On **“World Heritage Day 2022”** *Organized By* **Department of Electrical and Electronics Engineering**

in association with
IEI Students' Chapter
Kancheepuram Local Centre



**Date& Time:18.04.2022@ 10.30 AM
AMET Deemed to be University**

Resource Person
Dr. R. Venkatesan
Retired Scientist -G & Programme Director
National Institute of Ocean Technology
Chennai

The Department of Electrical and Electronics Engineering of Academy of Maritime Education and Training, Deemed to be University has organized “World Heritage day 2022” on 18.04.2022 (10.30 AM) by offline mode. Around 45 Participants have attended the World heritage Poetry Day and got benefited.

April 18 is annually observed as the World Heritage Day, also recognized as the International Day for Monuments and Sites (IDMS). The initiative by the International Council on Monuments and Sites was approved by UNESCO in 1983. The primary aim is to increase the awareness about the diversity of

cultural heritage and conserve them for generations to come. It is to bring global attention towards the world's built Monuments and Heritage sites and the efforts required to preserve them. On this day, several organizations hold activities, workshops, and conferences to celebrate the diversity of heritage across the world. Thus, this day is a collective step of the communities towards the preservation and conservation of such sites. World Heritage Day is celebrated every year, to teach people the importance of preserving world monuments and the cultural legacy that they carry. Every country has its own set of monuments that have formed the history of the country and contributed to shaping the culture.

Dr.S.Priya Associate Professor, Department of EEE welcomed all Dr.T. Sasilatha, Professor and Dean gave inaugural address by thanking the Chancellor, Vice Chancellor and the authorities. Besides she emphasized the beauty of our culture through poems to the participants. Our Resource person Dr. R. Venkatesan , Retired Scientist -G & Programme Director, National Institute of Ocean Technology Chennai. has taken over the session. He elaborately explained about the importance of humanity with the wings of words under the current scenario and also motivated the participants to be a human with humanity in all situations. Finally, Dr.Lakshmi, Associate Professor, Department of EEE delivered vote of thanks to the management of AMET Deemed to be university, Organizing committee members and various school and institutions who all have participated in the event.

Fig 1: Inauguration of the World Heritage Day



Fig 2: Dr. Priya has introduced the Chief Guest Dr.Venkadesan

Fig 3: Dr. Venkadesan delivers a lecture on World Heritage Day



Fig 4: Responding Queries to Participants

Fig5. Vote of Thanks was given by Dr.Lakshmi

Feedback link has been given to all participants. E certificates were delivered to all the participants

REPORT OF SEMINARS ORGANISED BY CENTRES / FORA

Name of the Centre / Forum		KANCHEPURAM LOCAL CENTER	
Title of the Webinar:		Sharpen Your Skill Set Using Intensifying Software Applications	
Under the aegis of which Divisional Board:		Mechanical Engineering Division	
Program Date:	20th April, 2022	Program Time:	9.30 am to 3.00 pm
Associate organization (if any):		St.Joseph's Institute of Technology	
No. of Participants attended		249 Students	

Report of Webinar

Panellist No. 1

Name: Mr. S. Karaiadiselvan	
Designation: Managing Director- CADD Centre	
Credential in Brief:	
Mr. Karaiadiselvan Saravanam hails from Kulamangalam Village, Tamil Nadu. He is the Managing Director of CADD Centre, Asia's largest network of training institutes for engineering design software, and divisions like Dream Zone, Livewire, Synergy, and Dreamflower that are into niche training areas from IT, Project Management, creative skills to preschool education. He is a graduate in Industrial and Production Engineering from Malnad College of Engineering, Hassan, Karnataka and a postgraduate in Business Administration.	

He is a people's person, who is interested in seeing people learn, earn, grow and lead a happy life. He strongly believes in teamwork and looks for long-lasting relationship with franchise partners and employees at all levels. These are a few qualities that have helped him achieve tremendous professional success and personal satisfaction.

He and his team train students and make them employable—they have trained more than a million students. They also train entrepreneurs and make their ventures profitable—they have groomed 1000+ franchises in 30 countries. As a business mentor, Mr Karaiadiselvan tries to accelerate the success of budding entrepreneurs by sharing knowledge, experience and insights into business modelling, organisational strategies, product development, and pricing, , among others.

Before joining CADD Centre, he had a brief stint with Ashok Leyland, as a trainee engineer. He became a part of the CADD Centre in 1992 and continues to remain a proud member of the CADD Centre family that is growing leaps and bounds.

Excerpts of deliberation:

When it comes to software development, you know that the more experience you have and the better your skills are, the more efficiently you'll be able to execute changes, fix bugs and write new functionality and usable programs. An experienced developer can't afford to trial and error his or her code and getting to that point takes time and education.. We've already discussed ways to become a better programmer, but it's time to look at some fundamental skills that can help you get there. Sometimes developing your skills is as simple as returning to the basics. That's why we've picked three technology areas that will help you hone your software development skills. Despite the advent of many new technologies, these are core areas needed at many organizations.

Comments of Moderator and Recommendation:

A technical seminar on “**Sharpen Your Skill Set Using Intensifying Software Applications**” was organized by Department of Mechanical Engineering, on 20th April, 2022 in collaboration with The Institution of Engineers (India). Dr.K.Arun Vasantha Geethan, Moderator of the technical seminar session is introduced the session. Dr. D. Elango, FIE, Council Member & Chairman, Kanchipuram Local Centre, IEI presided the welcome address and introduced the president, IEI and importance of the webinar.

Around 249 participants including faculty members and students participated in this programme. They gained knowledge about the software application and its benefits D.Arthur Jebastine Sunderraj Assistant professor of Mechanical St.Joseph's Institute of Technology thanked the members of IEI, the speakers, faculty members and students. Dr.G.Shanmugasundar, Honorary Secretary, IEI Kanchipuram Local Centre presided the Vote of Thanks to all the participants.

REPORT OF SEMINARS / WEBINARS ORGANISED BY CENTRES / FORA

Name of the Centre / Forum	IEI-KANCHEPURAM LOCAL CENTER
Title of the Webinar:	INVEST IN OUR PLANET

Under the aegis of which Divisional Board:		CIVIL ENGINEERING	
Program Date:	22-04-2022	Program Time:	9.30AM
Associate organization (if any):		Sri Sairam Engineering College	
No. of Participants logged in	60		

Report of Webinar

Panellist No. 1

Name: BALAJI N	Photo	
Designation: IEI Student Member		
Credential in Brief: Active IEI member for last two years and has proposed various environment related projects.		
Excerpts of deliberation:		
<ol style="list-style-type: none"> 1. Importance of Earth and its conservation measures. 2. Stressed out the sustainable construction methodologies. 		

Comments of Moderator and Recommendation:

1. Inclusion of plastics as a construction material.
2. Reusability of demolished construction materials as a resource rather than using natural organic materials.

Extract of Welcome address by Chairman, Host Centre:

The function was inaugurated by Dr.Elango FIE Kancepuram Local Center, IEI Chairman along with other IEI Council member and also presented the opportunities available IEI and elaborated about IEI and its role in Enviroinmental engineering domain.

Extract of Vote of Thanks by Honorary Secretary, Host Centre:

IEI secretary Dr.G.Shanmugasundar FIE Kancepuram Local Center presented vote of thanks.

REPORT OF SEMINARS / WEBINARS ORGANISED BY CENTRES / FORA

Name of the Centre / Forum		IEI-KANCHEPURAM LOCAL CENTER	
Title of the Webinar:		EMPOWERMENT OF WOMEN CIVIL ENGINEERS	
Under the aegis of which Divisional Board:		CIVIL ENGINEERING	
Program Date:	25.04.2022	Program Time:	9.00 AM
Associate organization (if any):		Sri Sairam Engineering College	
No. of Participants logged in		70	

Report of Webinar

Panellist No. 1

Name: Dr. BHAGAVATHI PERUMAL	Photo	
Designation: Professor and Head, Department of Civil Engineering, Sri Sairam Engineering College.		
Credential in Brief: He is Prof / Head in Civil department Sri Sairam Engineering College. Specialized in Structural Engineering, having more than 20 years of experience in teaching. He has published around 40 journals and published 3 book chapters. Member of IEI, ISTE, IEEE, ICI, IGBC. Membership Number-F-118105-6.		
Excerpts of deliberation:		
<ol style="list-style-type: none">1. Role of women in civil engineering.2. Women and their contribution to societal development.		

Panellist No. 2

Name: Mrs. SUBALAKSHMI	Photo	
Designation: Assistant Professor, Department of Civil Engineering, Sri Sairam Engineering College.		
Credential in Brief: Expert in construction and planning management and a strong motivator.		
Excerpts of deliberation:		
<ol style="list-style-type: none">1. Entrepreneurship opportunities for women.2. Importance and role of women in design construction industry.		

Comments of Moderator and Recommendation:

1. Open space was given to participants to get clarified with opportunities.
2. Role of women in healthy running of administration.

Extract of Welcome address by Chairman, Host Centre:

The function was inaugurated by Dr.Elango FIE Kancepuram Local Center, IEI Chairman along with other IEI Council member and also presented the oppurturnities available for women's in IEI and elaborated about IEI.

Extract of Vote of Thanks by Honorary Secretary, Host Centre:

IEI secretary Dr.G.Shanmugasundar FIE Kancepuram Local Center presented vote of thanks.



100 years centenary celebration by IE (I) KLC



The Institution of Engineers (India)

TAMILNADU STATE CENTRE



Centenary celebrations

“100 HOURS IEI – TNSC TECHNO CARNIVAL”



Sustainable Developments of the Nation – The Role of Engineers

Organising Partner



ST.JOSEPH'S INSTITUTE OF TECHNOLOGY, Chennai -119

Day 04: 10th May 2022 @ 6PM – 8 PM

Title: Recent Trend in Product design for Sustainable Development

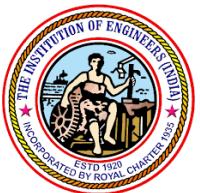
Report

This Online event was organised by **Mr.D.ArthurJebastineSunderraj**, Assistant Professor, Department of Mechanical Engineering, St.Joseph's Institute of Technology. He welcomed the gathering and gave a brief Introduction of the Chief Guest. The function was inaugurated by **Er.P.G.Ramanan**, Director& MR, CADDAM Technologies Private Limited, Chennai. He shared his view on the various recent trends in the Industries. Also highlighted the Sustainable development in Product Design. Almost 70 members from various Institutions and Industries Participated and gained knowledge.

Dr.K.ArunVasanthaGeethan, Professor and Head, Department of Mechanical Engineering, St.Joseph's Institute of Technology highlighted the innovative points given by the Chief Guest and concluded the event with Vote of Thanks.

The Institution of Engineers (India)

TAMILNADU STATE CENTRE



Centenary celebrations

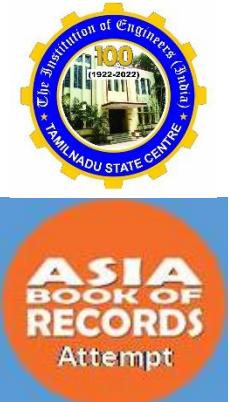
“100 HOURS IEI – TNSC TECHNO CARNIVAL”



BASED ON THE THEME

Sustainable Developments of the Nation – The Role of Engineers

Organising Partner





SATHYABAAMA INSTITUTE OF SCIENCE AND TECHNOLOGY

Day 05: 11th May 2022 @ 9 AM – 12 PM

Title: Academic & Industry Conclave on Green Sustainability

Report

The Online event was organized by **Dr.S.Karthikayen**, Executive Committee Member of Electronics & Telecommunication Department in Institution of Engineers (India), Kanchipuram Local Centre. The meeting link for this event was given by Tamilnadu State Centre, Institution of Engineers (India). The link for the event is Zoom ID: 88380025263 & Password: IEIKLC. Almost 80 members from Various Institutions and Industries participated and gained knowledge.

The function was inaugurated by **Dr.E.Anna Devi**, Associate Professor, Department of Electrical and Communication Engineering, Sathyabama Institute of Science and Technology. Shehighlighted the various innovative methods in the Electronics Industry.

Dr.D.Prabu and Dr.D.Venkatesan, Associate Professors, Department of Chemical Engineering, Sathyabama Institute of Science and Technology. They highlighted the importance of Sustainability which is happening in the Industry.

The event was concluded with technical speech and Vote of thanks from Dr.S.Sathish, Associate Professor and Head, Department of Chemical Engineering, Sathyabama Institute of Science and Technology. He shared his views on the Academic and Industry Conclave.

The Institution of Engineers (India)

TAMILNADU STATE CENTRE



Centenary celebrations

“100 HOURS IEI – TNSC TECHNO CARNIVAL”



BASED ON THE THEME

Sustainable Developments of the Nation – The Role of Engineers

Organising Partner



SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY

Day 06: 12th May 2022 @ 10 AM – 12 PM

Title: Sustainable Charging Technologies for Electric Vehicle

Report

Sustainable Technologies for the final year students of the entire Department of the college was organized by The Institution of Engineers (India) at Sathyabama Institute of Science and Technology. More than 100 members from Various Institutions and Industries participated and gained knowledge.

The event was organized by **Dr.S.Karthikayen**, Executive Committee Member in Institution of Engineers (India), Kanchipuram Local Centre.

The function was inaugurated by **Dr.V.SivaChidamabaranathan**, Professor and Head, Department of Electrical and Electronics Engineering, Sathyabama Institute of Science and Technology. He highlighted the various charging methods of EV such as Battery exchange, wireless charging and conductive charging.

Dr. A. Ramesh Babu, Associate Professor, Department of Electrical and Electronics Engineering, Sathyabama Institute of Science and Technology. He highlighted the importance of EV and different types of electric vehicle. He has also shed light on the Power sources of EV, and the different types of motor present in them.

The students presented their final year projects which were based on sustainable energy such as E-bike, charging stations and wireless power transfer. The E-bike can run until 40km in one full charge. The E-bike uses a hub motor which contains DLDC brushes DC motor. The E-bike can drive a load of 120 kg at speed of 30-35 km/hr. The E-bike uses lithium ion batteries which can be charged in 4 hours to its full capacity. The E-bike has peddling facilities which will enable the battery to charge when it is on move.

A charging stations were also developed by the students for the E-bike powered by hybrid energy system (grid and solar panels).The charging stations has 6 solar panels each 250 watt/sq meter.

The event was concluded with technical speech and Vote of thanks by **Dr.S.D. SundarsinghJebaseelan**, Institution of Engineers (India) Faculty Advisor, Electrical and Electronics Engineering Department of Sathyabama Institute of Science and Technology.



The Institution of Engineers (India)

TAMILNADU STATE CENTRE



Centenary celebrations

“100 HOURS IEI – TNSC TECHNO CARNIVAL”



BASED ON THE THEME

Sustainable Developments of the Nation – The Role of Engineers

Organising Partner



SAVEETHA ENGINEERING COLLEGE

(An Autonomous Institution)

Day 07: 13th May 2022 @ 10AM – 12 PM

Title: Sustainable Manufacturing in Industry 4.0

Report

This Online event was organised by Department of Mechanical Engineering. The event started with a technical speech from **Dr.V.Muthukumar**, Professor, Department of Mechanical Engineering, Saveetha Engineering College. He shared his view about the recent innovative manufacturing methods which is practised in the Industry. It event was followed by the technical lecture from **Dr.S.Praveen Kumar**, Professor, Department of Electronics Communication and Engineering. He highlighted his view over sustainable technologies in the industry.

Dr.S.Sellakumar and Mr.S.Sridhar, Assistant Professor, Department of Mechanical Engineering, gave a lecture about sustainable manufacturing in Industry. The event was concluded by Program Coordinator **Dr.N.Balaji**, Professor and Head, Department of Mechanical Engineering, Saveetha Engineering College. He concluded the event with the key points which was highlighted in this lecture and asked the students to come with more sustainable projects which will satisfy the needs of the Industry. Almost 90 members from various Institutions and Industries Participated and gained knowledge.

Name of Centre:	IEI KANCHEPURAM LOCAL CENTRE,TAMILNADU	
Title of Program:	World Telecommunication &Information Society Day Digital technologies for Older Persons and Healthy Ageing	
Name of the Resource Person	Mr.Koteswaran Srinivasan Technology Director HCL Technologies Ltd., ERS-Technology Office	
Date:	17-May-2022	Venue :Seminar Hall 1
Centre	The Institution of Engineers (India), Kancheepuram local centre	
	<p>Brief about the Program:</p> <p>The Institution of Engineers (India), kancheepuram local centre conducted “World Telecommunication and Information Society Day (WTISD)” is celebrated on 17thMay 2022annually on 17thMay 2022.It increaseconsciousness about the occasions and promises of the Internet and digitaltechnologies.This year's theme for World Telecommunication and Information Society Day is “Digital technologies for Older Persons and Healthy Ageing”. The program was organized by Sathyabama Institution of Science and Technology, chennai.Program was preceded by Dr.Elangovan, Chairman,IEI, Klc. The session was handled by Mr. Koteswaran Srinivasan,Director,HCL Technologies Ltd., ERS-Technology Office. Thisprogram highlights the importance of communication and digital technologies in our daily life.</p>	

	<p>The program was organized by Dr.R.NarmadhaMIE (Corporate Member), under the guidance of the convener Dr. S. Karthikeyan, FIE., Head, IEI coordinator, Associate Professor, Sathyabama Institute of Science and Technology, Chennai.</p>
 	

REPORT OF ALL INDIA TWO DAYS SEMINAR ORGANISED BY CENTRES /OVERSEAS CHAPTERS

Name of Centre / Overseas Chapter:		IEI KANCHEPURAM LOCAL CENTRE	
Title of Activity:		All India Seminar on Green Building Concept and its Application inSmart Cities.	
Activity under Divisional Board		Civil Engineering	
Date:	20.05.2022& 21.05.2022	Venue:	Gamma Hall,Sri Sairam Engineering College



Photo of Inaugural Session with banner of IEI

Photo of Technical Session

Report of All India Seminar

Brief Details about the Programme:

Two days All India seminar on Green Building Concept and its application in smart cities, Department of civil Engineering ,Organized by the Institution of Engineers (India) at Sri Sairam Engineering College. Almost 100 members participated and gained Knowledge. The function was inaugurated by Dr.P.T.Ravichandran Prof & Head Department of civil Engineering,SRM University Kattangalathur, Chennai. He inaugurated the function along with Dr.G.Shamugasundar IEI Secretary FIE Kanepuram Local Center,Head of the department and faculty members. A 'green' building is a building that, in its design, construction or operation, reduces or eliminates negative impacts, and can create positive impacts, on our climate and natural environment. Green buildings preserve precious natural resources and improve our quality of life. A green building is one which uses less water, optimises energy efficiency, conserves natural resources, generates less waste and provides healthier spaces for occupants, as compared to a conventional building. The Indian green building council (IGBC) is the leading green building movement in the country. Green Building promotes the efficiency of buildings with regards to the use of water, energy and materials while reducing the building's impact on individual's health and the environment through better design, construction, operation, maintenance and removal.

Basic elements of green buildings:

Green building, or sustainable design, is the practice of increasing the efficiency with which buildings and their sites use energy, water, and materials, and reducing building impacts on human health and the environment over the entire life cycle of the building.

The five principles of green building:

Livable communities.

Energy
efficiency.
Indoor air
quality.
Resource
conservation.
Water conservation.

The 3 main elements of green construction are,

- (i) Material
- (ii) Water
- (iii) Energy
- Health

(iv) Difference between green building and normal building:

A green building uses less energy, water and natural resources, creates less waste and is healthier for the people living inside compared to a standard building. The sustainability in the environment can be well achieved by reducing the energy emission and consumption by the buildings

Green buildings construction:

Green buildings typically incorporate superior air quality, abundant natural light, access to views and noise control which benefits building occupants, making these buildings better places to work or live. Green building, also called sustainable building or green construction, is the concept of creating structures and processes that are environmentally responsible and resource-efficient throughout a building's life-cycle from siting to design, construction, operation, maintenance, renovation and deconstruction.

Benefits of green building

Eco-friendly Construction: 8 Advantages of Green Building

Low Maintenance and Operation Cost. ...

Energy Efficiency.

Enhances Indoor Environment Quality. ...

Water Efficiency. ...

Better Health. ...

Material Efficiency. ...

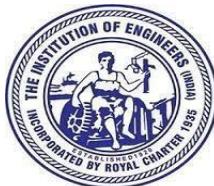
Better Environment. ...

Reduces Strain on Local Resources.

Important in green architecture:

Green architecture can help to decrease the use of natural resources and fuels. It can also help to increase water, material efficiency, as well as improve maintenance of the structures from environmental elements. Green architecture can help to improve air quality within, and outside, the structures.

A sustainable building, or green building is an outcome of a design philosophy which focuses on increasing the efficiency of resource use — energy, water, and materials — while reducing building impacts on human health and the environment during the building's lifecycle, through better siting, design, construction.



REPORT OF ONE DAY WORKSHOP ORGANISED BY CENTRES

Name of Centre / Overseas Chapter:		IEI KANCHEPURAM LOCAL CENTRE,TAMILNADU	
Title of Activity:		One day Workshop on Advancement in smart cities by IOT &Artificial Intelligence	
Activity under Divisional Board		Civil Engineering	
Date:	01.06.2022	Venue:	BETA HALL, SRI SAIRAM ENGINEERING COLLEGE



Inaugural Address By
Er.S.Kannan ,FIE
Chairman & Tamilnadu State Center



All India Seminar Programe-Lighting the Lamp



Welcome Address By
Dr.S.Bhagavathi perumal ,M.E,PhD
Prof &HOD,Department of civil Engineering



All India Seminar-Student Attending the seminar during the program.

Report of Workshop

Brief Details about the Programme:

One day workshop on Advancement in smart cities by IOT & Artificial Intelligence ,Department of Civil Engineering ,organized by the Institution of Engineers (India) kancepuram Local center at Sri Sairam Engineering College.Almost 120 members participated and gained knowledge.

The function was inaugurated by ER.S.Kannan-FIE Chairman-Tamilnadu State center.

He inaugurated the function along with IEI Council member & Chairman Dr.D.Elango-D FIE Kancepuram Local Center,IEI secretary Dr.G.Shanmugasundar FIE Kancepuram Local Center, Head of the department and faculty members.The purpose of the Smart Cities Mission is to drive economic growth and improve the quality of life of people by enabling local area development and harnessing technology, especially technology that leads to Smart outcomes.Making a City Smart encapsulates learnings from the Smart Cities Mission to outline the WHAT, WHY and HOW a Smart City. It is structured as a workbook with tasks in each section to help cities chart out their own smart city journeys.The book illustrates how a Smart City is a city that works for its people. It is NOT the highest end state of a city and it does not sit at the top of a city's pyramid of needs - from basic up to creative. Being smart makes a city more able and agile to move from one level to the next, guided by principles of making most from limited resources, taking everyone along, quickly adapting to changes, being resilient in the face of stresses or shocks at each stage, and using technology mindfully at every step of the way to reach scale and speed Workshop will be dealt with: Smart Cities An Out Look A smart city uses information and communication technology (ICT) to improve operational efficiency, share information with the public and provide a better quality of government service and citizen welfare. ... Confident and progressive city plans. People able to live and work within the city, using its resources. The report mentions Singapore, London, and Barcelona as the world's best smart cities, demonstrating that management, government policies, and leadership would play a key role in smart city programs. The top 3 smart cities have been ranked for totally different reasons.How do smart cities work In the approach to the Smart Cities Mission, the objective is to promote cities that provide core infrastructure and give a decent quality of life to its citizens, a clean and sustainable environment and application of 'Smart' Solutions Home to Songdo, also known as the world's first smart city, Seoul's smart technology campaigns have only gone from strength to strength since launching its initiatives as early as 2014. SINGAPORE - Singapore is the smartest city in the world for the third year running, according to this year's Smart City Index Latest Technologies in Smart Cities.The development of technologies such as the Internet of Things (IoT), Artificial Intelligence (AI), Blockchain or Geospatial Technology is key to the growth of smart cities around the world. Smart cities use IoT devices such as connected sensors, lights, and meters to collect and analyze data. The cities then use this data to improve infrastructure, public utilities and services, and more. What are the main concept of smart city. Smart city is envisaged to have four pillars, its Social Infrastructure, Physical Infrastructure, Institutional Infrastructure (including Governance) and Economic InfrastructureWhat makes Smart Cities successful. Smart city infrastructure has to be intelligent and utilize cognitive technologies, including AI and machine learning, to study the continuous interactions of a city's citizens and their surroundings.It is about using technology and data purposefully to make better decisions and deliver a better quality of life."What are the key element of smart city. The core infrastructure elements in a Smart City would include: Adequate Water Supply. Assured Electricity Supply. Sanitation, including Solid Waste Management. Efficient Urban Mobility and Public Transport. Affordable housing, especially for the poor. Robust IT connectivity and digitalization What are the impacts of smart city. In this technological age, everything is connected. The increased connectivity and innovative tech developments of today have led to the evolution of smart cities – cities that create efficiencies, promote sustainability, and improve the quality of life of their residents through the integration of technology.



REPORT OF THE ALL INDIA SEMINAR ON INFORMATION PRIVACY

Name of Centre	IEI KANCHEPURAM LOCAL CENTRE,TAMILNADU		
Title of Activity:	All INDIA SEMINAR ON INFORMATION PRIVACY		
Activity under Divisional Board	COMPUTER ENGINEERING		
Date:	01-06-22 &02-06-22	Venue:	AV HALL-II, St.Joseph's Institute of Technology,Chennai24
Photo of Inaugural Session with banner of IEI		Photo of Technical Session	
			
Photo of Inaugural Session with banner of IEI		Photo of Technical Session	

Report of All India Seminar/Workshop

Brief Details about the Programme:

“Two Days All India Seminar on Information Privacy” sponsored by the Institution of Engineers (India) and was organized by the Institution of Engineers (India), Kancheepuram Local Centre in collaboration with the Department of Computer Science & Engineering, St.Joseph’s Institute of Technology held on June 1st & June 2nd 2022.

Dr.P.Ravichandran,Principal-St.Joseph’s Institute of Technology welcomed Dr.G.Shanmuga Sundaram,Honoary Seceratry IEI-KLC. Dr.J.Dafni Rose,Head/CSE, St.Joseph’s Institute of Technology gave presidential address to the gathering. She insisted that there is a lot of opportunities in the field of Information Privacy. She also stated that Information Privacy has the ability to avoid attacks on the networks using security tools.

Dr.G.Shanmuga Sundaram, Honorary Secretary IEI-KLC honored the Resource Person Mr.Ragul Chandran, Cyber Security specialist, Space Zee Technology and gave welcome address to the gathering. There was a total participation of 100 students belonging to IEI members.

Dr.D.Elango,IEI KLC Chairman felicitated the gathering. He stated that the Institution of Engineers(India) (IEI) is the national organization of engineering professionals in India .It is the largest multi-disciplinary engineering professional society in the English-speaking world. He insisted everyone to become member of IEI and enjoy the benefits of IEI. A group photo was taken along with the students. The response of the participants was astounding and their spirit last until last session.

Privacy protection and cyber security should be thought of as interconnected: as more and more personal information is processed or stored online, privacy protection increasingly relies on effective cyber security implementation by organizations to secure personal data both when it is in transit and at rest.

The applications of Pervasive computing are dramatically increasing every measure concerning towards the data collected and released. It is obvious that a user in pervasive computing environments wishes to maintain different connections with various smart devices reckless of the software restrictions and hardware specifications. Such devices and applications intend to increase the amount of personal information released to the service providers and third parties. We focus on few prominent issues and approaches towards preserving privacy such as,

Authentication: Privacy has to ensure that data being shared or communicated is not being hacked by any active or passive attackers. It has to guarantee that the user data which is being collected almost obviously will not be used maliciously or is not being processed by any unauthorized user.

Access Control: It is to grant access completely to the significant data and avoid unnecessary irrelevant data for any particular service. Access control mechanism is needed to decide whether to permit or reject an assigned unit the liberty to do a specified action. Access control method includes the tests in the field of the database, operating system, and distributed system. But pervasive systems possess unique features which let distinct accesscontrol methods.

Anonymity: Many of the applications in pervasive computing environment do not rigidly need to know the identity of the user. Anonymity provides the user with the functionality which helps the user to be known to others or remains unknown to others or to be known with the different identity.



WORLD ENVIRONMENT DAY REPORT

Name of Centre	IEI KANCHEPURAM LOCALCENTRE,TAMILNADU		
Title of Activity:	World Environment Day – 2022		
Activity under Divisional Board	Statutory Days		
Date:	10.06.22	Venue:	Saveetha Engineering College – Seminar Hall



Inaugural session with IEI Banner

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Day is
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Inauguration of “The Institution of Engineers -Students Chapter”



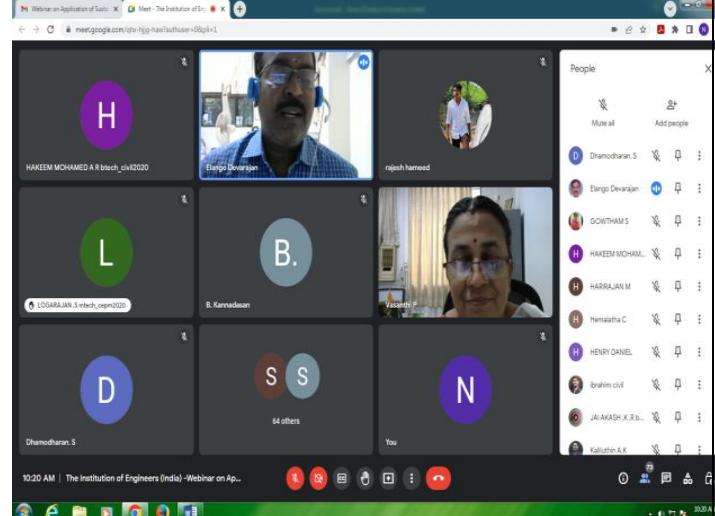
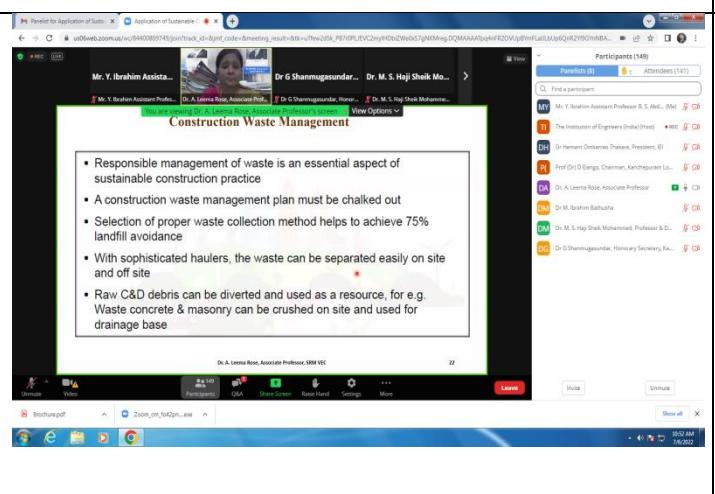
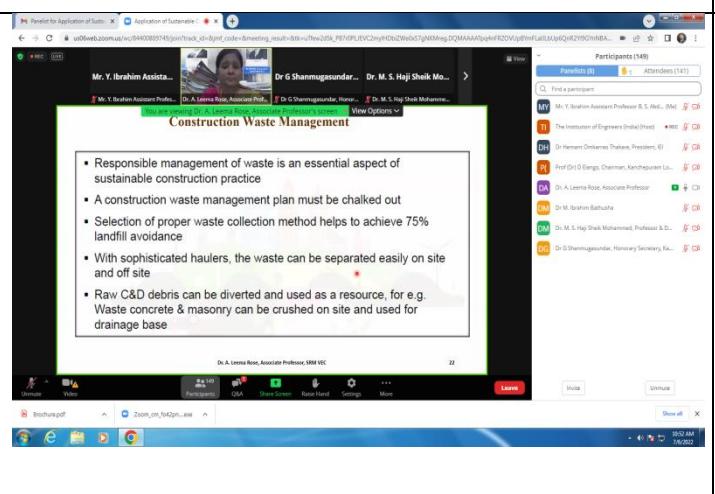
L to R : Dr.Vasanthi Padmanabhan, Dean-SOI (BSACIST), Dr.D.Elango, Council Member & Chairman-IE(I), Dr.T.M.Gunaraja, Past President of The Institution of Engineers,Dr.N.Rajahussain, Registrar (BSACIST),& Dr.M.S.Haji Sheik Mohammed, Dean - Academic Affairs (BSACIST)



The Department of Civil Engineering, School of Infrastructure of B.S.Abdur Rahman Crescent Institute of Science & Technology (BSACIST), Vandalur, Chennai in collaboration with The Institution of Engineers (India) inaugurated a Student Chapter on 30.06.2022. The Council Member & Chairman, IE(I),Kancheepuram Local Centre Dr.D.Elango, has initiated the Student Chapter IE(I) where he motivated students to participate and organize events like seminar, guest lecture, conferences and webinars. The Chief Guest Dr.T.M.Gunaraja, Past President of The Institution of Engineers, addressed the gathering about the benefits of becoming a member and he also encouraged by highlighting the funds which will be awarded for the best projects, best research proposals and so on. Finally, he requested the students to publish the research papers in Institution of Engineers journals (Springer).

REPORT OF ALL INDIA SEMINAR / WORKSHOP ORGANISED BY CENTRES / OVERSEAS CHAPTERS

Title of Activity:		Webinar on Application of Sustainable Concrete in Modern Constructions	
Activity under Divisional Board		Civil Engineering Division, IEI	
Date:	6 July 2022	Venue:	Online – Zoom Meeting
Name of Centre		IE(I) Kanchipuram Local Centre, Tamilnadu	

 <p>SCHOOL OF INFRASTRUCTURE DEPARTMENT OF CIVIL ENGINEERING</p> <p>The Institution of Engineers (India) STUDENT'S CHAPTER</p> <p>Webinar on Application of Sustainable Concrete in Modern Constructions</p> <p>6th July 2022</p>	
<p>Photo of Webinar Session with banner of IEI</p> 	
<p>Photo of Welcome Address Session by Dr.D.Elango, Chairman, KLC - IEI</p> 	

Report of One-Day Seminar/Workshop**Brief Details about the Programme:**

A technical webinar on “Application of Sustainable Concrete in Modern Construction” was organized by Department of Civil Engineering, School of Infrastructure on 06.07.2022 in collaboration with The Institution of Engineers (India). Mr.Y.Ibrahim, Moderator of the technical webinar session is introduced the session. Dr. D. Elango, FIE, Council Member & Chairman, Kanchipuram Local Centre, IEI presided the welcome address and introduced the president, IEI and importance of the webinar.

The Dr. H.O. Thakare, President (IEI), presided the presidential address of the technical webinar. The panelist members Dr.M.S.Haji Sheik Mohamed, Professor & Dean-Academic Affairs, BSACIST had delivered the keynote lecture on “Galvanized Steel Rebars for Durable and Sustainable Reinforced Concrete”. Dr.A.Leema Rose, Associate Professor, SRM Valliamai Engineering College, had delivered the keynote lecture on “ ”.

Around 138 participants including faculty members and students participated in this programme. They gained knowledge about the sustainability and its benefits in the field of constructions. Dr.Vasantha Padmanabhan, Professor & Dean, School of Infrastructure thanked the members of IEI, the speakers, faculty members and students. Dr.G.Shanmugasundar, Honorary Secretary, IEI Kanchipuram Local Centre presided the Vote of Thanks to all the participants.

Details of the Sessions:**Day--1****Webinar Session****10.00 am to 12.00 pm**

1. Welcome Address by Dr.D.Elango, Chairman, KLC – IEI
2. Presidential Address by Dr.H.O.Thakare, President, IEI
3. Technical Session Address by Panelist 1: Dr.Leema Rose, Associate Professor, SRM Valliammai Engineering College, Chennai, Tamilnadu, India.
4. Technical session Address by Panelist 2: Dr. M.S. Haji Sheik Mohammed, Professor & Dean Academic Affairs, Director (PC3S), B.S.Abdur Rahman Crescent Institute of Science and Technology, Chennai, Tamilnadu, India
5. Vote of Thanks by Dr.G.Shanmugasundar, Honorary Secretary, KLC – IEI.

REPORT OF TWO DAYS ALL INDIA SEMINAR ORGANIZED BY CENTRES/OV OVERSEAS CHAPTERS

Name of Centre		IEIKANCHIPURAM LOCAL CENTRE, TAMILNADU	
Title of Activity:		Two Days all India seminar on Application of Artificial Intelligence and Machine Learning in Electrical Engineering	
Activity under Divisional Board		Electrical Engineering division	
Date:	27.07.2022 & 28.07.2022	Venue:	ALPHA HALL, III Floor, Sri Sairam Engineering College

Photo of Inaugural Session with banner of IEI

Report of Workshop Brief Details about the Programme:

Two Days all India seminar Application of Artificial Intelligence and Machine Learning in Electrical Engineering, Department of Electrical and Electronics Engineering, organized by the Institution of Engineers (India), Kanchipuram Local Centre at Sri Sairam Engineering College. Almost 120 members participated and gained

knowledge. The function was inaugurated by Er.R.RamadossFIE ,Chairman-Tamilnadu State center. He inaugurated the function along with IEI

Councilmember&ChairmanDr.D.ElangoFIEKanchipuramLocalCenter,IEIsecretaryDr.G.Shanmugasundar FIE Kanchipuram Local Center, Head of the department and facultymembers.

Introduction:

The purpose of the Application of Artificial Intelligence and Machine Learning in Electrical Engineering is to drive economic growth and improve the quality of life of people by enabling local area development and harnessing technology, especially technology that leads to Smart outcomes.

Artificial Intelligence Is a technique for building systems that mimic human behavior or decision-making. The simulation of human intelligence by computer systems. AI can include hardware and software systems and it focuses on 3 cognitive processes: learning, reasoning, and self-correction. Machine learning is a subset of AI.

This means all machine learning is considered as Artificial Intelligence, however not all AI counts as machine learning. Popular AI tools like expert systems, knowledge graphs are not falling under machine learning. Machine learning has the ability to scale itself when exposed to more volume of data unlike expert systems or knowledge graphs. One of the most important aspects of machine learning is that it doesn't require any human intervention to make changes when required. This makes it highly efficient.

Workshop will be dealt with:

ARTIFICIAL INTELLIGENCE:

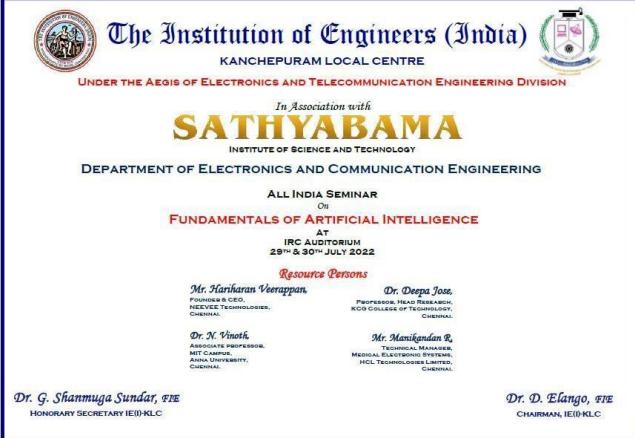
Less than a decade after helping the Allied Forces win World War II by breaking the Nazi encryption machine Enigma, mathematician Alan Turing changed history a second time with a simple question. At its core, AI is the branch of computer science that aims to answer Turing's question in the affirmative. It is the endeavor to replicate or Human replications in machines. The expansive goal of AI has given rise to many questions and debates. So much so that no singular definition of the field is universally accepted.

MACHINE LEARNING:

Machine Learning is an essential skill for any aspiring data analyst and data scientist, and also for those who wish to transform a massive amount of raw data into trends and predictions. Learn this skill today with Machine, designed and created by industry experts having years of expertise in ML and industry-based projects. Machines process and communicate in a different way than the human brain. The machines are programmed with algorithms to convert the data into a desirable format for the user. Natural language is a subset of artificial intelligence that helps content developers to automate content and deliver in the desired format. The content developers can use then automated content to promote on various social media platforms, and other media platforms to reach the targeted audience.

REPORT OF ALL INDIA SEMINAR ORGANISED BY CENTRES

Title of Activity:	All India Seminar on "FUNDAMENTALS OF ARTIFICIAL INTELLIGENCE"
Activity under Divisional Board	Electronics and Telecommunication Engineering Division, IEI

Date:	29-07-2022 & 29-07-2022	Venue: Sathyabama Institute of Science and Technology, Chennai-600119.
		
Banner		Welcome Address by Dr. R. M. Joany, MIE (Corporate member)



Inaugural Session

Lighting of Kuthuvilakku

Report of All India Seminar on “FUNDAMENTALS OF ARTIFICIAL INTELLIGENCE”

Brief details about the Programme:

This report captures a All India Seminar On “Fundamentals Of Artificialn Intelligence”sponsored by The Institution of Engineers (India), was organized by Kanchipuram Local Centre. On 29th July 2022 the seminar has been inaugurated by Dr. G. Sundari, Director Administration of Sathyabama Institute of Science and Technology with lighting of kuthuvilakku followed by the inaugural address. Duringthe inaugural session. Dr. R. M. Joany, MIE (Corporate member) ECE department, Sathyabama Institute of Scienceand Technology welcomed the gathering. Token of felicitationswere presented to Guest Speaker of session-1, Mr. Hariharan Veerappan, Founder, NEEVEE Technologies, Chennai by Dr. G. Sundari, DirectorAdministration. The Introductory address was given by Dr. S. Karthikeyan, FIE, Head IE(I) Coordinator, Sathyabama Student Chapters about the importance on Machine learning and Artificial Intelligence.

After the inaugural session, the first Lecture on “Fundamentals of Artificial Intelligence” was given by Mr. Hariharan Veerappan, Founder, NEEVEE Technologies, Chennai by focussing on the future of Artificial Intelligence for real time day to day applications. The session was very informative and it was an eye opener for the students. The second lecture was given by Dr. N. Vinoth, Associate professor, MIT Campus, Anna University, Chennai under the topic “Research approach to Machine Learning”. The session gave a new perspective about various techniques approaches of machine learning in real time applications.

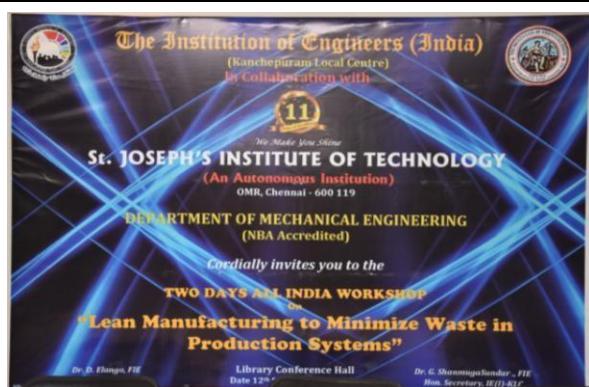
On 30th July Dr. Deepa Jose, Professor, Head Research, KCG College of Technology, Chennai delivered a talk on the title “Fundamentals of machine learning and the need of deep learning” during the third session. Fourth session was handled by Mr. Manikandan R, Technical Manager, Medical Electronic Systems, HCL Technologies Limited, Chennai under the title “Industrial approach to Artificial Intelligence”. Token of felicitations were presented to all the distinguished speakers. Dr. D. ELANGO, National Council Member & Chairman, IE(I) Kanchipuram Local Centre has also graced the occasion. The main objective of the seminar was to instigate the importance and create an in-depth knowledge about Artificial Intelligence amongst students. All the sessions were very informative and eye opener for the younger generation of students.

Dr. E. Anna Devi, MIE (Corporate member)ECE department, Sathyabama Institute of Science and Technology proposed the vote of thanks. During the valedictory function, feedback was received from the participants and the program ended at 4.00 pm with National Anthem

REPORT OF ALL INDIA SEMINAR/WORKSHOP ORGANISED BY CENTRES /OVERSEAS CHAPTERS

Name of Centre / Overseas Chapter: **IEI KANCHEPURAM LOCAL CENTRE**

Title of Activity:		All India Workshop On Lean Manufacturing to Minimize Waste in Production Systems	
Activity under Divisional Board		Production Engineering	
Date:	12th & 13th August 2022	Venue:	Library Conference Hall, St. Joseph's Institute of Technology, OMR, Chennai



Banner of the Workshop



Dr. S. Ajit is giving a Lecture



Photo of Inaugural Session with banner of IEI
Dr. D. Ilango Council member & Chairman of IEI
KLC, Dr.P.Ravichndran Principal, Dr.K.Arun
Vasantha Geethan, HOD, Dr.D.Elilraja HOD Lab
affairs, Mr. R. Balakrishnan, CEO
Viruksa Manufacturing Solutions Private Limited
Chief Guest of the event were present in the dias
during Inaugural Function



Students participating the Technical Session
presenting by Mr. R. Balakrishnan, CEO
Viruksa Manufacturing Solutions Private Limited



Report of All India Seminar/Workshop

Brief Details about the Programme:

This report captures a two-day workshop on **Lean Manufacturing to Minimize Waste in Production Systems** sponsored by **The Institution of Engineers (India)** was organized by **Department of Mechanical Engineering, St.JOSEPH'S INSTITUTE OF TECHNOLOGY** during **12th & 13th August 2022.**

During the inaugural session, **Dr.K.Arun Vasantha Geethan Prof & Head /MECH** welcomed the gathering, **Dr.D.Elilraja, Assos Prof & Head (Lab affairs)** Cited the chief Guest Dr. **D. Elango., FIE Council member & Chairman IEI-Kancheepuram Local Center.** Gave the presidential address. Followed by his speech, The Chief Guest of Honour. **Mr.R. Balakrishnan, CEO, Viruksa Manufacturing Solutions Private Limited, Chennai.** Lean manufacturing is a methodology that focuses on minimizing waste within manufacturing systems while simultaneously maximizing productivity.

Also known as lean production, or just lean, the integrated social technical approach is based on the Toyota Production System and is still used by that company, as well as myriad others, including Caterpillar Inc. and Nike.

Lean manufacturing is based on a number of specific principles, such as Kaizen, or continuous improvement. the lean principles have profoundly influenced manufacturing concepts throughout the world, as well as industries outside of manufacturing, including healthcare, software development and service industries.

Rajalakshmi Engineering College, Thandalam
Department of Mechanical Engineering
Institution of Engineers (India),
REC – Student Chapter

Report on Initiation Day and Invited Talk on “Product Design and Development”

Date/Time of Event : 01.09.2022 @ 10.00 am
Venue : Heritage Hall, Academic Block

Invited Speaker : **Ms.Asha Nixon, Concept Designer,
Radiant Design, Chennai**

The Institution of Engineers (India) – REC Student chapter, Department of Mechanical Engineering, Rajalakshmi Engineering College organized Initiation Day and Invited Talk on 01.09.2022 at 10.00 AM. The meeting started with prayer song and Welcome address is given by Mr.R.Dhanaraj, Associate Professor/Mechanical. The scope and privileges of being a student chapter member of IEI is delivered by Dr.N.Venkateshwaran, Professor/Mechanical, Faculty Advisor of the Chapter. The gathering is addressed by Dr.S.P.Srinivasan, Director, Mechanical Sciences, Rajalakshmi Engineering College. The topic of the invited talk is “Product Design and Development”. The invited speaker Ms.Asha Nixon, Concept Designer, Radiant Design, Chennai delivered about the reasoning from Function to Form, insight of Product design Vs Industrial design, Ergonomics, Topology optimisation in nature, Aesthetics and Key challenges for designers.

Faculty Advisor

Dr.N.Venkateshwaran,
Prof./Mech., REC
REC

Faculty In-Charge

Mr.R.Dhanaraj,
Associate Prof./Mech.,
REC

Date: 02.09.2022

Event Memories:



Rajalakshmi Engineering College, Thandalam
Department of Mechanical Engineering
Institution of Engineers (India),
REC – Student Chapter

Report on Guest Lecture “Role of an Engineer in Product Enhancement – Management Perspective”

Date/Time of Event :**06.09.2022 @ 10.00 am**
Venue : Heritage Hall, Academic Block

Invited Speaker : **Mr.S.Kabaleeswaran, Head Business Development and Operations**
Srushty Global Solutions Pvt. Ltd., Chennai

The Institution of Engineers (India) – REC Student chapter, Department of Mechanical Engineering, Rajalakshmi Engineering College organized Initiation Day and Invited Talk on 01.09.2022 at 10.00 AM. The meeting started with prayer song and Welcome address is given by Mr.R.Dhanaraj, Associate Professor/Mechanical. The guest lecture topic on“Role of an Engineer in Product Enhancement – Management Perspective” is delivered by the speakerMr.S.Kabaleeswaran, Head Business Development and Operations, Srushty Global Solutions Pvt. Ltd., Chennai. He enlightened the various role of an engineer by the management in the various fields like product enhancement, improvement in design of product, Material planning, logistic co-ordination, Monitoring Statutory compliance etc.,

Faculty Advisor
Dr.N.Venkateshwaran,
Prof./Mech., REC
REC

Faculty In-Charge
Mr.R.Dhanaraj,
Associate Prof./Mech.,

Date: 07.09.2022



RAJALAKSHMI
ENGINEERING COLLEGE
An AUTONOMOUS Institution
Affiliated to ANNA UNIVERSITY, Chennai



**INSTITUTION'S
INNOVATION
COUNCIL**
(Ministry of HRD Initiative)

GUEST LECTURE
On
**ROLE OF AN ENGINEER IN PRODUCTION ENHANCEMENT –
A MANAGEMENT PERSPECTIVE**

Organized by
IEI - Mechanical Student Chapter
Department of Mechanical Engineering

In association with
Institution of Engineers (India)
Institution's Innovation council, REC

Speaker:
Mr.S.Kabaleeswaran,
Head Business Development and Operations,
Srushty Global Solutions Pvt. Ltd.,
Chennai

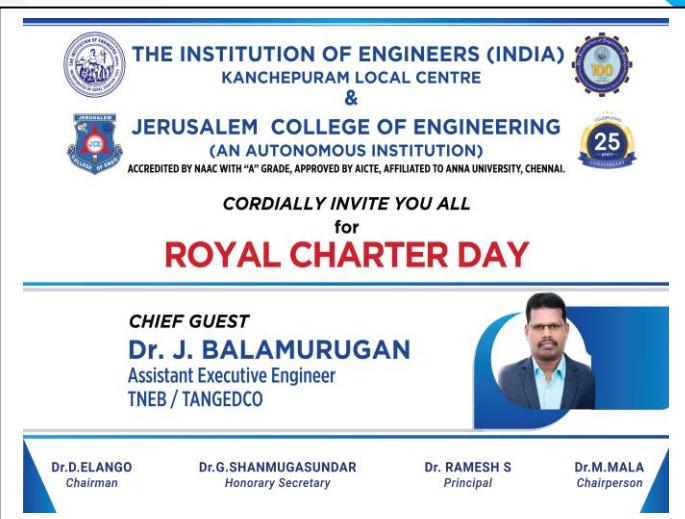
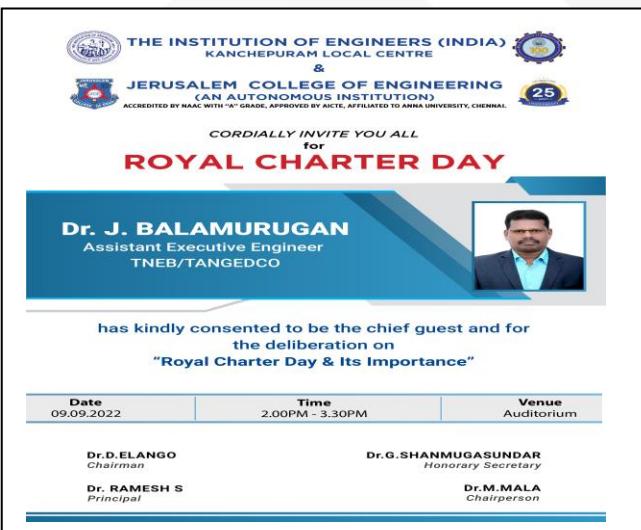
 Heritage Hall



REPORT OF ROYAL CHARTER DAY ORGANISED BY CENTRES

Name of Centre / Overseas Chapter:	Kanchipuram Local Centre
------------------------------------	---------------------------------

Title of Activity:	Royal Charter Day 2022		
Activity under Divisional Board	Statutory Days		
Date:	09-09-2022	Venue:	Jerusalem College of Engineering, Chennai – 600100.



Royal charter Day invitation

Royal charter Day Banner



Presidential Address by Dr.Ramesh.S, Principal,
Jerusalem College of Engineering.

Chief Guest –Felicitation

Report of royal charter Day

Brief Details about the Programme:

Royal charter Day was organized by “The Institution of Engineers (India)”, Kanchipuram local centre in association with the Department of Electrical and Electronics Engineering, Jerusalem College of Engineering, Chennai on 9thSeptember 2022. During the inaugural session, Dr. Asha Panchanathan, Professor and Head, Civil Engineering Department, Jerusalem College of Engineering welcomed the gathering.Dr.G.Shanmugasundar, FIE Honorary Secretary, IE (I) – KLC was also present during the inauguration.Presidential Address was deliveredby Dr.Ramesh.S,Principal Jerusalem College of Engineering. Token of felicitations were presented to Chief Guest,Dr.J.Balamurugan,Assistant Executive Engineer, TNEB/ TANGEDCO. The Introductory address was given by Dr.V.Jamuna, Professor and Dean Students Affairs,Jerusalem College of Engineering. She also explained about the importance on Royal charter Day.The keynote address was delivered by Dr.J.Balamurugan, Assistant Executive Engineer, TNEB/ TANGEDCOand he explained the importance of the professional society membership for Engineers and also explained the history of IEI. He also elaborated the Royal charter day and functioning of IEI and its importance.Dr.S.Vinod, Associate Professor and Head, EEE department proposed the vote of thanks. The program ended at 4.00 pm with National Anthem.

REPORT OF ENGINEER'S DAY

Name of Centre / Overseas Chapter: Kancheepuram Local Centre			
Title of Activity: Engineer's Day 2022			
Date:	15-09-2022	Venue:	B. S. Abdur Rahman Crescent Institute of Science & Technology, Vandalur, Chennai-600 048.

Invitation for Engineer's Day	Banner for Engineer's Day
Welcome address by Ms. Charumathi, IV year, Treasurer, IE(I)	Thamizh Thai Vaazthu

Report of Engineer's Day

Brief details about the programme:

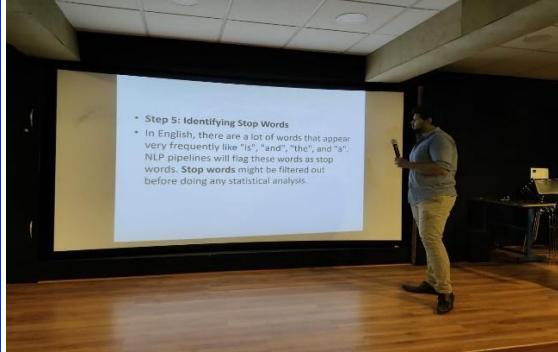
Engineer's Day was organized by "The Institution of Engineers (India)", Kancheepuram local centre in association with the Department of Civil Engineering, School of Infrastructure, B. S.AbdurRahman Crescent Institution of Science & Technology, Vandalur, Chennai on 15th

September 2022. Ms.Charumathi (IV year), Treasurer (IEI) welcomed the gathering. Dr. D. Elango, Chairman gave presidential address and Dr. J. Revathy, Professor, Civil Engineering,

felicitated the function and addressed the importance of Engineer's Day. Mr.S.Safeer Jasim (III year), Joint Secretary (IEI), gave an introduction about the Chief Guest. Token of felicitations were presented to Chief Guest Er. M. Vasudevan, Superintending Engineer, Planning & Design Circle, PWD, Chepauk, Chennai by Prof. Dr. J. Revathy. The keynote address was delivered by Chief Guest Er. M. Vasudevan, Superintending Engineer, Planning & Design Circle, he started the day with the efficient works of the legendary engineer and Bharat Ratna Sir Er. M. Visveshwaraya, who has done various projects in the field of Civil Engineering. He then explained the importance, the benefits, the job opportunities in Civil Engineering professional. He also discussed the role of Civil Engineer under various divisions such as Construction, Irrigation, Geotechnical, Structural and so on, which motivated the young engineers. Mr. I. Muhammad Ibrahim (IV year), General secretary (IEI), proposed the vote of thanks.

REPORT OF THE

ALL INDIA SEMINAR ON RECENT INNOVATIONS ON NATURAL LANGUAGE PROCESSING

Name of Centre/Overseas Chapter:	IEI KANCHEPURAM LOCAL CENTRE				
Title of Activity:	All India Seminar on Recent Innovations on Natural Language Processing				
Activity under Divisional Board	COMPUTER ENGINEERING				
Date:	11-10-22 & 12-10-22	Venue:	AVHALL-I, St. Joseph's Institute of Technology, Chennai		
					
Photo of Inaugural Session with banner of IEI		Photo of Technical Session			
Report of All India Seminar on Recent Innovations on Natural Language Processing					
Brief Details about the Programme:					

“Two Days All India Seminar on Recent Innovations on Natural Language Processing” was organized by the Institution of Engineers (India), Kanchipuram Local Centre in collaboration with the Department of Computer Science & Engineering, St. Joseph’s Institute of Technology held on October 11 & October 12 2022.

Dr. P. Ravichandran, Principal-

St. Joseph’s Institute of Technology welcomed Dr. G. Shanmuga Sundaram, Honorary Secretary, IE(I)-KLC. Dr. J. Dafni Rose, Professor and Head/CSE, St. Joseph’s Institute of Technology gave presidential address to the gathering. She insisted that there is a lot of opportunities in the field of Information Privacy. She also stated that Information Privacy has the ability to avoid attacks on the networks using security tools.

Dr. G. Shanmuga Sundaram, Honorary Secretary IE(I)-KLC honored the Resource Person Mr. S. Muthukumaran, Senior Data Analyst, Space Zee Technology. There was a total participation of 100 students belonging to IEI members.

Dr. D. Elango, National Council Member and Chairman IE(I)-KLC felicitated the gathering. He stated that the Institution of Engineers (India) (IEI) is the national organization of engineering professionals in India. It is the largest multi-disciplinary engineering professionals society in the English-speaking world. He insisted everyone to become a member of IEI and enjoy the benefits of IEI. A group photo was taken along with the students. The response of the participants was astounding and their spirit last until the last session.

Natural Language Processing (NLP) is an area of expertise focused on the interaction between computers and human language. With the use of Data Science and Artificial Intelligence, NLP algorithms can extract information from texts, analyze texts, and even generate texts.

NLP is a phenomenon dating back to the 1950s, and over the last decades the field has drastically matured. Back in the days the approach of NLP was very linguistic, concentrated on language structures, and exploring ways for computers to understand these structures. Nowadays, the linguistics of a language are less relevant due to the utilization of Big Data and modern types of Neural Networks. These Neural Networks are models that, when large enough, can interpret every conceivable relationship in the input. Moreover, Neural Networks are built to learn tasks such as classification, prediction, and visualization, only by considering examples. **Sentiment Analysis On Social Media** A large amount of data is generated at every moment on social media. It also birthed a peculiar problem of making sense of all this information generated, which cannot be possibly done manually.

Chatbots And Customer Assistants Taken To Next-Level With advances in NLP and the increasing demands in customer service, one can expect major strides towards next-gen bots that can hold complex conversations, self-improve, and learn how to carry out tasks that have not been previously trained on.

Automation In NLP The success of automated machine learning or auto ML in effectively dealing with real-world problems has prompted researchers to develop more automation and no-code tools and platforms.



AUDIT REPORTS

MARCH 2022



KANCHEPURAM LOCAL CENTRE

Annual Report 2020-21

THE INSTITUTION OF ENGINEERS (INDIA)

Kanchipuram Local Centre

Balance Sheet as at 31st March 2022

ANNEXURE-1 (Page 1 of 7)

31st March 2021 Rs.	LIABILITIES	Schedules	31st March 2022 Rs.	31st March 2021 Rs.	ASSETS	Schedules	31st March 2022 Rs.
1,240,283	Reserve & Surplus	7	1,437,804		Fixed Assets	1	
	Capital Reserve	8			<u>Investments : Long Term</u>		
	Earmarked Funds	9			Fixed Deposits with Banks	2	
	Current Liabilities & Provisions	10		1,240,283	<u>Current Assets</u>		
					Stock	3	
					Sundry Receivables	4	
					Cash & Bank Balances and short term Fixed Deposits with Banks	5	1,437,804
					Other Advances	6	
					Interest Outstanding and accrued on Investments	2	
1,240,283	TOTAL		1,437,804	1,240,283	TOTAL		1,437,804

Notes to Accounts

11



Date: 22.06.2022

Place:

Name and Signature
Honorary Secretary

Name and Signature
Chairman

This is the Balance Sheet referred to in our report of even date.
For & CO For S.SHANKER & ASSOCIATES
CHARTERED ACCOUNTANTS CHARTERED ACCOUNTANTS
Firm Registration No. Firm Reg. No: 003770S

(NAME) (KARUNYA RAMESH/M.No.263504)
Partner PARTNER

Membership No.

UDIN: 22263504ALGBT03801



KANCHEPURAM LOCAL CENTRE

Annual Report 2020-21

THE INSTITUTION OF ENGINEERS (INDIA)
and Expenditure Account for the year ended 31st March 2022
Kanchipuram Local Centre

ANNEXURE-1 (Page 2 of 7)

Research & Development Rs.	Education Rs.	INCOME	RATIO		2021 - 2022		TOTAL Rs.
			R& D	EDU	Research & Development Rs.	Education Rs.	
269792	67448	Grant received from Head Quarter:					
		For Manpower Grant	80	20	239828.8	59957.2	299786
		For Sr/Jr Most Salaries	80	20			
		For Leave encashment	80	20			
		For Bonus/ Exgratia	80	20			
		For Staff Welfare Expenses	80	20			
		For Technical activities	100				
40000	0	For Seminars and Symposia	100		40000		40000
		For National convention	100				
		For International Conference	100				
		For Council Meeting Grant	100				
		For Engineering Congress Grant	100				
		For Election Grant	100				
		For Technical publications	100				
		For Jubilee celebration	100				
		For opening New centre	100				
		For Best Centre award	100				
		For procurement of hardware for election	100				
		For Examinations Expenses		100			
		For Convocation Grant		100			
		For Technician/students chapter		100			
31324.8	7831.2	For Annual Recurring Grant	80	20	96852	24213	121065
		For Special Repair Grant	80	20			
		For Land and Building Grant	80	20			
		For Non conventional energy Grant	80	20			
1879.2	469.8	For Incentives	80	20	2848.8	712.2	3561
		For Special Grant	80	20			
		For reimbursement of TA/DA	80	20			
		For Miscellaneous Grant	80	20			
342996	75749	Sub-Total (A)			379529.6	84882.4	464412
		Income Generated by Centre:					
		Receipts for National Convention of Division	100				
		Receipts from Seminars and Symposia	100				
		Receipts for Technical Activities	100				
		Sponsorship fees	100				
		Donations	100				
		Receipts for Continuing education		100			
		Receipts for Technicians' Chapter		100			
		Refresher Course Lecture		100			
		Advertisement	80	20			
24,517	6,129	Interest from Investments & Bank Fixed Deposit	80	20			
		Interest from Savings Bank Accounts	80	20	28148.8	7037.2	35,186
		Hall/Space rent	80	20			
		Rent received from guest house accomodations	80	20			
		Sale of Scrap	80	20			
		Miscellaneous Receipts	80	20			
		Liabilities no longer required written back	80	20			
		Sale of publication	80	20			
		Sale of Institution Ties and Badges	100				
		Sub-Total (B)			28,149	7,037	35,186
		: GRAND TOTAL (A+B) :			407,678	91,920	499,598

This is the Income and Expenditure Account referred to in our report of even date.

For & CO
CHARTERED ACCOUNTANTS
Firm Registration No.

Name and Signature
Honorary Secretary

Name and Signature
Chairman

(NAME)
Partner
Membership No.
UDIN: 22-263504 ALQBT D3801 (Dr. G. Shanmugam / Dr. D. ELANGOV
Date: 22.06.2011
For S. SHANKER & ASSOCIATES
CHARTERED ACCOUNTANTS
Firm Reg. No: 003770S

Karunya Ramesh
(KARUNYA RAMESH/M.No.263504)



KANCHEPURAM LOCAL CENTRE

S (INDIA)
nded 31st March 2022

ANEXURE-I (Page 3 of 7)

Annual Report 2020-21

		X P E N D I T U R E	R A T I O		2 0 2 1 - 2 0 2 2		T O T A L
A.S.	R.S.		R & D	E D U	R e s e a r c h & D e v e l o p m e n t R s .	E d u c a t i o n R s .	
49,500	100,500	Salaries and Allowances, etc. to Permanent staff	34	66			
		Salaries and Allowances, etc. to Temporary staff	34	66	52,870	102,630	155,500
		Staff welfare expenses	34	66			
		Direct Expenses for conducting Examination	0	100			
		Technical Publication	100	0			
		Expenses for National Convention of Division	100	0			
24,000		Expenses for Seminars and Symposia	100	0	68,039		68,039
		Expenses on Technical Activities	100	0	2,000		2,000
		Refresher Course Lecture	0	100			
		Expenses for Technicians' Chapter Activities	0	100			
		Expenses for Continuing education	0	100			
		Prize Awarded	0	100			
		Convocation Expenses	0	100			
		Expenses for Lectures	100	0	2,000		2,000
		Annual General Meeting Expenses	100	0	25,800		25,800
		General Meeting Expenses	100	0			
		Indian Engineering Congress Expenses	100	0			
		Council Meeting Expenses	100	0			
		Committee Meeting Expenses	100	0			
		Data Processing Expenses	80	20			
		Printing and Stationery	80	20			
		Postage expenses	80	20			
		Telephone Expenses	80	20			
		Electricity Charges	80	20			
		Advertisement Expenses	80	20			
		Election Expenses	100	0			
		Bank Charges	80	20			
		Charges General	80	20	2,638	659	3,297
		Insurance Charges	80	20			
		Rent, Rates and Taxes	80	20			
		Refreshment Expenses	80	20			
7,552	1,888	Statutory Audit Fees	80	20	7,552	1,888	9,440
		Other Auditors' Fees	80	20			
		Internal Audit Fees	80	20			
		Legal Expenses	80	20			
		Repairs and Maintenance on Buildings	80	20			
		Repairs and Maintenance on Others	80	20			
		Books and Periodicals	34	66			
28,800	7,200	Travelling and Conveyance	80	20	28,800	7,200	36,000
		TA/DA to Committee Members	80	20			
		Bad Debts written off	80	20			
		Fixed assets written off	80	20			
109,852	109,588	Sub-Total (C)			189,699	112,377	302,076
257,661	- 27,710	Excess of Income/exp. over Exp./income [Surplus/(Deficit)] [(A+B) - C - D]			217,980	- 20,458	197,522
367,513	81,878	: GRAND TOTAL (C + D) :			407,678	91,920	499,598

This is the Income and Expenditure Account referred to in our report of even date.

For & CO
CHARTERED ACCOUNTANTS

Firm Registration No.

(NAME)

Partner

Membership No.

UDIN: 22263504ALQBT03801

Date : 22. 06. 2022

Place:

Name and Signature
Honorary Secretary

Name and Signature
Chairman

Dr.D. ELANGOV

For S.SHANKER & ASSOCIATES
CHARTERED ACCOUNTANTS
Firm Reg. No: 003770S

Karunya Ramesh

(KARUNYA RAMESH/M.No.263504)
PARTNER



