

Department of Mechanical Engineering

National Conference on

Energy and Manufacturing Scenario –2021

(Through online mode) NCEMS-2021 Report / Even 2020-21

The department of Mechanical Engineering organized a National Conference on Energy and Manufacturing Scenario – 2021 on 31^{st} March 2021 through online mode due to pandemic situation.

CONFERENCE OBJECTIVE:

The conference aims at bringing researchers, academicians, practicing engineers and industrialists to a common platform which provides a national forum for researchers to exchange ideas in recent advances on various aspects of theories, analysis, experimentation and computational methods in engineering. Papers are invited from Post Graduate students / Researchers / Practicing Engineers and R & D Personnel.

CONFERENCE THEME:

MANUFACTURING

- RPT / FEA
- Unconventional Machining Processes
- Welding & Casting
- Nano Technology
- Materials-Composites
- CAD / CAM / CIM
- Advanced Manufacturing Techniques
- Lean Manufacturing/ANN

ENERGY

- Thermal Engineering
- Renewable Energy Management
- Solar Energy
- Wind Energy
- Advanced Heat Transfer
- Tidal Energy
- Energy Storage Technologies
- Biomass Gasification

ADVISORY COMMITTEE	TECHNICAL COMMITTEE
Dr.K.R.Balasubramanian, NIT, Trichy.	Dr.K.Srinivasareddy, IIT, Chennai.
Dr.A.Mani, IIT, Chennai.	Dr.K.Senthilkumaran, IIITDM, Kanchipuram.
Dr.K.Panneerselvam, NIT, Trichy.	Dr.J.Jerald, NIT, Trichy.
Dr.S.R.Pandiyan, IIITDM, Kanchipuram.	Dr.D.Leninsingaravelu, NIT, Trichy.
Dr.V.Balasubramaniam,Annamalai	Dr.U.Natarajan, ACTECH, Karaikudi
University, Chidambaram.	Dr.S.Periyasamy, GCT,Ciombatore.
Dr.S.Sivasankar, GCE, Thanjavur.	Dr. N.Senthilkumar, NIT, Pudhuchery.
Dr.T.Sekar, GCE, Salem.	Dr.K.Kannan, AAMEC, Kovilvenni.
Dr.G.Rajamohan, SASTRA, Thanjavur.	Dr.D.Sreenivasan, KRCE, Trichy.
Dr.S.Chockalingam, EGSPEC, Nagapattinam.	Dr.A.Naveen Sait, MIETEC, Trichy.
Dr.N.Baskar, SCE, Trichy.	Dr.S.Jaisankar, SLCET, Thanjavur.
Dr.P.K.Srividhya, PMIST, Thanjavur.	Dr.M.Prabhakar, SRM-TRPEC, Trichy.
Dr.M.Ravichandran, KRCE, Trichy.	Dr.D.Prakash, SASTRA, Thanjavur.
Dr.K.Balasubramaniam, Bharath University,	Dr.G.Elatharasan, UCE, AU Pattukottai.
Chennai.	Dr.D.Jayasimman, PMIST, Thanjavur
Dr.A.Palanisamy, SEC, Erode.	Dr.A.Mercy Vasan, SCE, Trichy.
Dr.T.Rajeshkanna, AAMEC, Kovilvenni.	Dr.S.Krishnamohan, EGSPEC, Nagapattinam.
Dr.T.Balamurugan, AEC, Kumbakonam.	Dr.C.G.Saravanan, Annamalai
Dr.M.Thilak, SRM-TRPEC, Trichy.	University,Chidambaram.
Dr.M.Suresh, SSNCE, Chennai.	Dr.R.Ganesh, PITS, Thanjavur.
	Dr.B.Sureshkumar, KRCT, Trichy.

The conference brochure was designed and circulated through Social Medias like E-mail, Whatsapp and Twitter to various colleges.. We have received around 40 papers from various engineering colleges and universities. The received papers were screened and the originality of the paper was verified by technical selection committee. 37 papers were selected by technical committee and the authors were informed of the selection through mail.

NCEMS 2021 (31.03.2021):

The conference was conducted through online mode. Conference Coordinators, Convener, Vice Principal, Chief Guest and staff members were joined through Google meet link (http:// https://meet.google.com/zeg-zfoy-yeu). The inaugural function was streamed through our college YouTube channel (Kings College of Engineering Punalkulam). The inaugural function was started at 09.45 am. Mr.M.Aswin, AP/Mech. welcomed the gathering. He invited Dr.T.Pushparaj, Organizing chair of NCEMS-2021 to deliver welcome address. Dr.T.Pushparaj welcomed the Principal, Secretary, Vice Principal, Chief Guest, Staff members and participants from various engineering colleges. Mr.M.Melwin J Sridhar Coordinator of NCEMS-2021 introduced the Chief Guest Dr.S.Somasundaram, NITTTR, Chennai. The Chief Guest delivers the presidential address to gathering. He delivered about the recent advances in IoT, Industry 4.0 and Cloud computing, also explained the usages and multidisciplinary projects of research work. Dr.S.Sivakumar delivers the felicitation address to the audience and also insisted the participants for the importance and effective use of the NCEMS-2021.

The technical session was started at 11.15 am. Dr.P.P.Shantharaman and Mr.H.Agilan had acted as a Jury for the technical session I and II. The evaluation based on the presentation, concept and implementation and the answers given to the queries. Each team had 10 minutes (presentation – 08 minutes & query – 2 minutes) to present their papers. After the session, the evaluation sheet was collected from the juries.

The valedictory function was started at 03.30 PM by Mr.M.Aswin,AP/Mech. and conveyed the sincere gratitude to Secretary, Principal, Vice-Principal and all the faculty members, Kings College of Engineering for making this Event a grand success.

POST CONFERENCE WORK:

The participants were asked to submit the feedback about conference. Certificates were distributed to the participants based on their active participation in the conference through courier/post. Proceedings of NCEMS-2021 were sent through mail to the participants.

CONFERENCE AGENDA:

Time	Programme schedule
09.45 am	Welcome Address
09.50 am	Introduction to Chief guest
09.55 am	Presidential address by Chief guest
10.30 am	Felicitation by Vice Principal
11.15 am	Technical paper presentation Session - I
01.30 pm	Technical paper presentation Session - II
03.30 pm	Valedictory function

DETAILS OF PARTICIPATION (Institute wise):

Sl.No.	Name of the institution	No. of batches
1	Kings College of Engineering, Punalkulam-613303	17
2	M.I.E.T Engineering College, Trichy- 620007	5
3	Government College of Engineering, Thanjavur-613402	3
4	Annamalai University, Annamalainagar-608002	1
5	Vandayar Engineering College, Thanjavur-613501	3
6	Sir Isaac Newton College of Engineering & Technology, Nagapattinam-611102	2
7	K.S.K College of Engineering & Technology, Kumbakonam-612702	1
8	St. Joseph's College of Engineering & Technology, Thanjavur-613403	1
9	Starlion College of Engineering & Technology, Thanjavur-614206	1
10	Chenduran Polytechnic College, Pudukkottai-622507	1
11	Chendu college of engineering and technology, Madurantakam-603311	1
12	UCE, BIT Campus, Trichy-620024	1

Requisition Mail and Acceptance Sample of Advisory Committee

3/19/2021

Gmail - Sub: National Conference- Advisory Committee- Acceptance Request- Reg.,



NCEMSMECH <ncemsmech@gmail.com>

Sub: National Conference- Advisory Committee- Acceptance Request- Reg., 2 messages

NCEMSMECH 1 To: srividya.aravazhi@gmail.com Wed, Mar 17, 2021 at 1:09 PM

Greetings from Kings College of Engineering - Department of Mechanical Engineering.

Dear Madam,

I would like to bring to your kind notice that a "National Conference on Energy and Manufacturing Scenario - 2021 (NCEMS - 2021)" will be held on 31.03.2021 at the institution premisses.

Your area of specialization and expertise of Bio Mass Gasification is well known to the technical society. If you become the member of Advisory committee of the conference, it would enhance the knowledge of the participants a great.

If the conference title and the date are convenient to you, please accept the request and reply at the earliest.

For further clarifications please visit www.kingsindia.net or feel free to send your queries to ncems2020@gmail.com.

Thanking you,

With Regards,

Dr.T.Pushparaj, M.E., Ph.D. Professor & head, Department of Mechanical Engineering, Kings College of Engineering, Thanjavur.

Srividya Aravazhi <srividya.aravazhi@gmail.com> To: NCEMSMECH Thu, Mar 18, 2021 at 10:59 AM

Dear Sir,

Thank you very much for inviting me to be part of advisory committee in the **"National Conference on Energy and Manufacturing Scenario - 2021 (NCEMS - 2021).** i will be accepting your invitation .kindly feel free to contact me any time . thanking you [Quoted text hidden] -Thank You

With Regards Dr.P.K.Srividhya, Dean(Academics)

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NCEMS 2021 / Mech / KCE

CONFERENCE BROCHURE:



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CONFERENCE INVITATION:





20th year of Academic Excellence

INVITATION



Mr.M.Melwin J Sridhar

SAMPLE CERTIFICATE:

Pu A.NA Recogni Appro	ege of Engineering unalkulam-613303 INC AccreditedInstitution izedunder 2(1) & 12(B) of UGC overdby AICTZ, New Delhi Ato Anna University, Chennai
	rgy and Manufacturing Scenario – 2021 ICEMS-2021)
	Organized by
	f Mechanical Engineering
	CERTIFICATE
This is to certify that Dr./Mr./3	Ms.
This is to certify that Dr./Mr./3	
This is to certify that Dr./Mr./5	Mspresented
	presented

Presidential address by Dr.S.Somasundaram, NITTTR, Chennai:



Organizing Secretary

Dr.P.P.Shantharaman

Organizing Chair

Principal

Dr.T.Pushparaj

Dr.J.Arputha Vijaya Selvi