



6.3.3 Number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years

Sno	Academic year	Page number
1	Academic year 2020-21	2
2	Academic year 2019-20	3
3	Academic year 2018-19	4
4	Academic year 2017-18	5
5	Academic year 2016-17	6
6	Reports	7

Academic year 2020-21

Dates (from-to) (DD-MM-YYYY)	Title of the professional development program organised for teaching staff	No. of participants
20/7/20	Webinar on “Application of Design-Expert software in Manufacturing industry”	335
29/7/20	Webinar on “introduction to industrial revolution 4.0”	81
26/9/20	Webinar on "lead cadmium tin alloys and its mechanical and corrosion behaviours"	15
12/9/20	Seminar on Google classroom-An induction programme	15
16/2/21	Seminar on “Material science in recent automotives”	15
20/2/21	Webinar on “Art of Writing Research Articles”	72
23/3/21	Webinar on “Piezo electric nanofibers for nanogenerators”	12
8/4/21	Seminar on “Advances in Automobile safety”	15
24/5/21	Webinar on “Surface modification of magnesium alloy using electrical discharge machine”	12

Academic year 2019-20

Dates (from-to) (DD-MM-YYYY)	Title of the professional development program organised for teaching staff	No. of participants
29/1/20	One day workshop on Non destructive testing	66
15/2/20	Guest lecture on Lean manufacturing	15
6/3/20	One Day Workshop On NDT evaluation	15
29/4/20	FDP on “Latex” organized by IQAC in association with IIT, Bombay , KCE	15
4/5/20	FDP on “OPEN FOAM” organized by IQAC in association with IIT, Bombay , KCE	15
21/5/20	Webinar on Machine Tools	90
23/5/20	Webinar on Fundamentals of Product Design	337

Academic year 2018-19

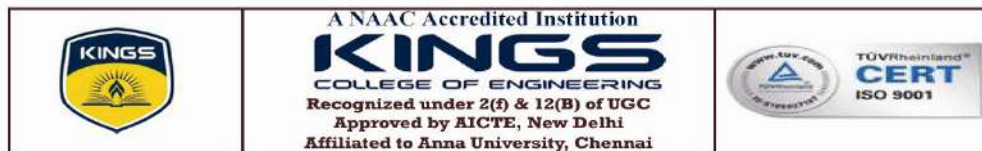
Dates (from-to) (DD-MM-YYYY)	Title of the professional development program organised for teaching staff	No. of participants
2/1/18	FDP titled "Spoken Tutorial Workshop on "QCAD" in association with IIT, Bombay sponsored by MHRD organized by KCE	19
24/7/18	Seminar on welding and opportunities	19
8/3/19	One day Workshop on " Non Destructive Testing"	19
22/4/19-26/4/19	FDP on "NBA ACCREDITATION PROGRAMME" through ICT mode by NITTTR, Kolkatta	19

Academic year 2017-18

Dates (from-to) (DD-MM-YYYY)	Title of the professional development program organised for teaching staff	No. of participants
8/8/17	FDP on What we don't Teach about Research at Colleges	20
7/9/17	Seminar on "Advancement of research ideas in Singapore"	20
12/9/17	Hands on Training on Dismantling & Assembling of IC Engines(RPM-2017)	20
2/2/18	One day workshop on Non Destructive Testing Techniques	20
2/3/18	Workshop on Recent advances in Mechanical Engineering 2018	80
19/3/18	Seminar on Recent Trends in Super Critical Boilers-2018	20

Academic year 2016-17

Dates (from-to) (DD-MM-YYYY)	Title of the professional development program organised for teaching staff	No. of participants
17/9/16	SPARCIENT 2K16 (A National Level Technical Symposium)	256
29/12/16	National Conference on Recent Advances in Mechanical Engineering	148
30/7/16	Guest lecture on Heat transfer and its applications	23
30/7/16	Guest lecture on Advanced IC Engines	23



DEPARTMENT OF MECHANICAL ENGINEERING

ACADEMIC YEAR 2020-21 / ODD SEMESTER

WEBINAR REPORT

The Department of Mechanical Engineering and Research & Development section had jointly organized a National level webinar through online mode on “**Application of Design Expert Software in Manufacturing Industry**” on **22.07.2020** at **11.00 a.m. to 12.30 p.m.** Welcome address was given by **Dr. T. Pushparaj**, Head of the Department / Mechanical, Kings College of Engineering.

Resource person **Dr. M. Varatharajalu**, was introduced by **Dr. P. P. Shantharaman**, Professor/Mechanical, Kings College of Engineering. The resource person had given the lecture on “**Application of Design Expert Software in Manufacturing Industry**”. In his lecture, he explained how Design Expert software will be helpful in Manufacturing Industry regarding designing the component proportions, optimizing the results, catagoric design includes various tools in design of experiments.

In this webinar, **490** participants in **116** colleges have been registered from various institutions. Among these, **335** participants from various Engineering College, polytechnic college and Arts College have attended the webinar. Vote of thanks was given by **Mr.S.Sabanayagam**, AP/Mechanical. Kings College of Engineering.

All the attended participants gave their feedback after the session and E-certificate have been sent to them through email.

Webinar Brochure

**KINGS COLLEGE OF ENGINEERING**
NAAC Accredited Institution, Recognized under 2(f) & 12(B) Act of UGC
Approved by AICTE, New Delhi | Affiliated to Anna University, Chennai
Punalkulam, Near Thanjavur, Pudukkottai Dt - 613 303

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

20th Year of
Academic Excellence

**Department of Mechanical Engineering &
Research & Development Cell
Presents**

NATIONAL LEVEL WEBINAR ON
***"Application of Design-Expert software in
Manufacturing Industry"***

On 22-07-2020 | Wednesday @ 11:00 AM

**Resource Person**
Dr. M. Varatharajulu
Post Doctoral Fellow
Department of Production Engineering,
National Institute of Technology,
Tiruchirappalli – 600015, TN, India

Last Date for Registration
20-07-2020

 E-Certificate will
be provided

Registration Link
<https://forms.gle/h6zNsTDfH8ECUnC8>

Co-ordinators
Mr. S. Sabanayagam, Asst.Prof./Mech.
+91-9443228702
Mr. H. Agilan, Asst.Prof./Mech.
+91-7010426104
Mr. V. Vijayakumar, Asst.Prof./Mech.
+91-9952537195

R&D Coordinator
Dr. P. P. Shantharaman
ASP/Mech
 <https://www.facebook.com/KingsCollegeofEngineering/>

Convener
Dr. T. Pushparaj
HoD/Mech

Patron
Dr. J. Arputha Vijaya Selvi
Principal


*Meeting Link will be
shared through mail

Participation Certificate – Sample Copy

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20th Year of
Academic Excellence
SEEK * STRIVE * SUCCEED

Certificate of Participation
This is to Certify that

Dr. RM.Nachiappan
Government College of Engineering, Thanjavur

**has participated in Webinar on *"Application of Design-Expert software
in Manufacturing Industry"* presented by Dr. M. Varatharajulu,
Post Doctoral Fellow, NIT, Trichy, organized by Department of
Mechanical Engineering and Research & Development Cell, Kings
College of Engineering, Punalkulam on 22/07/2020.**

KCE-MECH-WEB1-173

R&D Coordinator
Dr. P. P. Shantharaman
ASP/Mech

Convener
Dr. T. Pushparaj
HoD/Mech

Patron
Dr. J. Arputha Vijaya Selvi
Principal

List of Attended Participants

S.No	Name of the Institute/Organisation	Number of participants
1	A.R.J College of Engineering And Technology	7
2	Aalim Muhammed Salegh College of Engineering	2
3	Aditya Ins. Of Tech And Mgt Tekkali	1
4	Aits College	1
5	Amrita Institue of Engineering	2
6	Andhra University College of Engineering (A)	1
7	Anna University College Of Engg Thirukkuvalai	1
8	Annamacharya Ins of Tech Tirupati	7
9	Arasu Engineering College	1
10	Avs College Of Technology	1
11	Cai College Of Engineering	1
12	Christ College of Engineering, Irinjalakuda	1
13	Christ The King Engineering College	2
14	Cit Sandwich Polytechnic College	1
15	Dhanalakshmi Srinivasan Engg College Perambalur	1
16	Dktes Tei	1
17	E. G. S. Pillay Engg. College	8
18	Er.Perumal Manimekalai College Fo Engineering	4
19	Ghss.Sanarpatti.624304., Dindigul	2
20	Government College Of Technology, Coimbatore.	1
21	Government Degree College J&K	1
22	Government Engineering College Valsad Gujarat	1
23	Holy Cross Home Science College, Thoothukudi.	1
24	Hyderabad Institute Of Technology And Management	2
25	Ibra College Of Technology, Ibra, Oman	1
26	Ifet College Of Engineeing	13
27	Institute of Aeronautical Engg,(Iare), Hyderabad	1
28	Jansons Institute of Technology	8
29	Jeppiaar Institute of Technology	1
30	K Ramakrishnan College	4
31	K S R Polytechnic College	3
32	K.L.N. College of Engineering	1
33	K.S.K College of Engg And Tech,	4
34	K.S.Rangasamy College Of Technology	1
35	Kalasalingam Academy Of Research And Education	2

36	Karpagam Academy of Higher Education	1
37	Karunya Institute Of Technology And Sciences	1
38	Kings Collage of Engineering	31
39	Knowledge Institute Of Technology	2
40	Kongu Arts And Science College	23
41	Kongu Engineering College	1
42	Kumaraguru College of Technology	1
43	Lakshmi Ammal Polytechnic College	6
44	M.A.M.College of Engg And Technology	1
45	Mahendra Institute Of Engineering And Technology	2
46	Mailam Engineering College	8
47	Manoj M K	1
48	Marthandam College of Engg Tech	2
49	Mea Engineering College	2
50	Meenakshi Academy of Higher Edu And Research	1
51	Mohamed Sathak Engineering College	3
52	Morning Star Polytechnic College	1
53	Mother Terasa College of Engg And Technology	3
54	Murugesan Institute Of Technology	1
55	Muthayammal Engineering College	1
56	Nadar Saraswathi College Theni	4
57	Nandha Arts And Science College, Erode	1
58	Nandha Engineering College	9
59	Nehru College of Management	1
60	Noida Institute of Engg And Tech Greater Noida	1
61	Parisutham Institute Of Technology And Science	2
62	Pragati Engineering College	2
63	Psna College of Engg And Technology	9
64	R C Patel Institute Of Technology	1
65	Pt. Ddu Rajkeey Ashram Inter College, Deoria. U.P.	1
66	Rajalakshmi Engineering College	3
67	Rajiv Gandhi College of Engg Tech	1
68	Rajkiya Engineering College, Kannauj	1
69	Rmk College Of Engineering And Technology	1
70	S A Engineering College	2

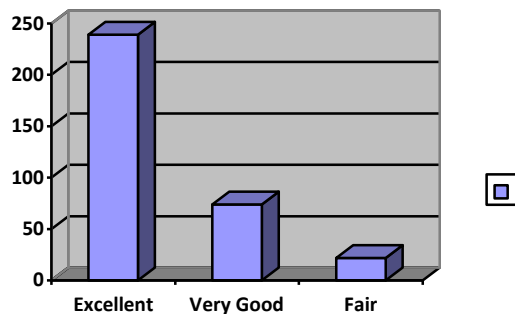
71	Sanjivani College Of Engineering Autonomous	2
72	Saranathan College of Engineering	4
73	St.Peter's Institute of Higher Education And Research	6
74	Surya Engineering College, Erode	1
75	Syed Ammal Engineering College, Ramanathapuram	1
76	Tagore Institute Of Engineering And Technology	5
77	Tamil Nadu Teachers Education University, Chennai.	1
78	Thandai Periyar Government Institute Of Technology	2
79	The Kavery Engineering College	1
80	Thiagarajar Polytechnic College	2
81	Trichy Engineering College	1
82	Uce Pattukkottai,Rajamadam	1
83	Vel Tech R&D Institute Of Science And Technology	1
84	Velammal Institute of Technology, Chennai 601204	1
85	Vignan's Institute Of Information Visakhapatnam	1
86	Velalar College of Engineering And Technology	2
87	VIT	2
88	Vsvn Poly College, Virudhunagar	1
89	Sastra Deemed To Be University	6
90	Scad College Of Engineering And Technology	4
91	Shri Mata Vaishno Devi University	16
92	Sir Issac Newton College	2
93	Sree Chaitanya College of Engg	2
94	Sree Rama Engineering College -Tirupati	1
95	Sree Sevugan College ,Devakottai	3
96	Sri S Ramasamy Naidu Poly Sattur	2
97	Sri S. Ramasamy Naidu Memorial Poly College Sattur	1
98	Sri Sairam Engineering College,	2
99	Sri Satya Sai University of Tech & Medical Sciences	1
100	Sri Venkateswaraa College	1
101	Srm Trp Engineering College	3
102	St. Joseph's Institute Of Technology	8
103	St.Peter's Institute of Higher Education And Research	6
104	St.Xavier's College, Palayamkottai	1
105	Surya Engineering College, Erode	2
106	Swarnandhra College Of Engg. Tech.	1
107	Syed Ammal Engineering College, Ramanathapuram	1

108	Tagore Institute Of Engineering And Technology	2
109	Tamil Nadu Teachers Education University, Chennai.	1
110	Thandai Periyar Government Institute Of Technology	1
111	Thanthai Roever Arts And Science College	1
112	The Kavery Engineering College	1
113	Thiagarajar Polytechnic College	1
114	Trichy Engineering College	2
115	Uce Pattukkottai,Rajamadam	1
116	Vel Tech R&D Institute Of Science And Technology	2

Feedback questions and responses

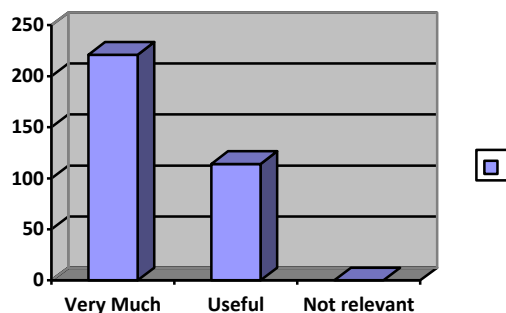
1. How satisfied were you with the session content?

Excellent	Very Good	Fair
239	74	22



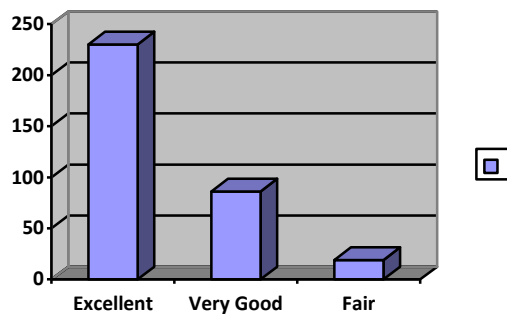
2. How relevant and helpful do you think it was for your job?

Very Much	Useful	Not relevant
221	114	0



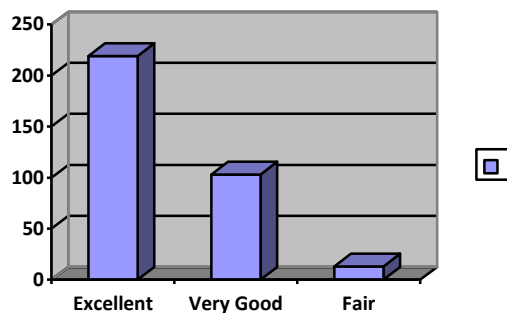
3. How satisfied were you with the session Video and Audio streaming?


Excellent	Very Good	Fair
230	86	19





4. Overall feedback for the event?

Excellent	Very Good	Fair
219	103	13




Coordinator
(Mr.S.Sabanayagam)



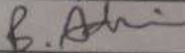
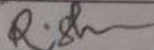
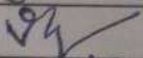


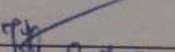
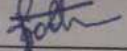

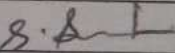
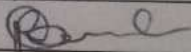
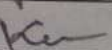

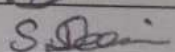

HOD/Mechanical
(Dr.T.Pushparaj)

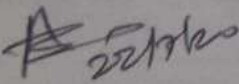

Principal
(Dr.J.Arputha Vijaya Selvi)

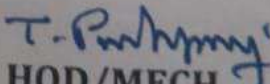
KINGS COLLEGE OF ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING
ACADEMIC YEAR 2020-21
PROGRAMME ATTENDANCE LIST

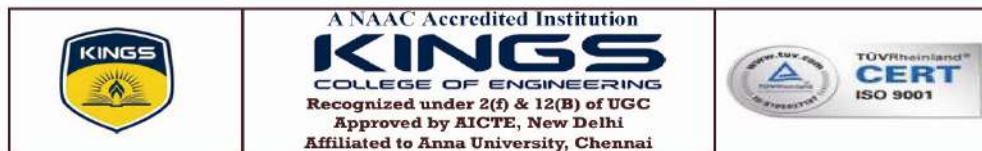
Date: 22/7/20

Programme name: Webinar on "Application of Design Expert Software in Manufacturing Industry"

SNO	STAFF NAME	SIGNATURE
1	Dr.T.Pushparaj	
2	Dr.P.P.Shantharaman	
3	Mr.B.Adhichelvan	
4	R.Shankar	
5	V.Vijayakumar	
6	H.Agilan	
7	N.Magesh	
8	M.Melwin Jagatheesh Sridhar	
9	J.Rajaparthiaban	
10	Mr.M.Aswin	
11	S. Sabanayagam	
12	B.Ramvignesh	
13	S.Karthi	
14	M.Sakthivel	
15	S.Desikan	


COORDINATOR


HOD/MECH



DEPARTMENT OF MECHANICAL ENGINEERING

ACADEMIC YEAR 2019-20 / EVEN SEMESTER

WEBINAR REPORT

The Department of Mechanical Engineering and Research & Development section had jointly organized a National level webinar through online mode on “**Introduction on Industrial Revolution 4.0** ” on **29.07.2020** at **11.00 a.m. to 12.00 p.m.** Welcome address was given by **Mr. R. Shankar**, Assistant Professor /Department of Mechanical, Kings College of Engineering.

Resource person **Mr.T.Thirumoorthy**, Deputy Manager, **Wheels India Limited, Chennai**, was introduced by **Dr. P. P. Shantharaman**, Associate Professor/Mechanical, Kings College of Engineering. The resource person had given the lecture on “**Introduction on Industrial Revolution 4.0**”. In his lecture, he explained about the 3D printing, Smart Sensors, EAM Software and Digitalization of Industry

In this webinar, **88** participants in **23** colleges have been registered from various institutions. Among these, **81** participants from various Engineering College, polytechnic college and Arts College have attended the webinar. Vote of thanks was given by **Mr.Desikan**, AP/Mechanical. Kings College of Engineering.

All the attended participants gave their feedback after the session and E-certificate have been sent to them through email.

Webinar Brochure


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20th Year of Academic Excellence

**Department of Mechanical Engineering
and
Research & Development Cell
Presents
NATIONAL LEVEL
W E B I N A R
ON
"Introduction on Industrial Revolution 4.0"**



Resource Person



Mr. T. Thirumoorthy
 Dy. Manager - Methods - FAW
 WHEELS INDIA LIMITED
 Padi, Chennai-600 050.

29th July 2020 (Wednesday) @ 11.00 a.m.

Registration Link : <https://forms.gle/aLwdW5Mhxf9y413c8>

E-Certificate will be provided
No Registration Fee
Meeting Link will be shared through mail

Last Date for Registration : 27.07.2020

For Queries, Contact:
 8248646261, 8072163128

Coordinators
 Mr.R. Shankar AP/Mech.
 Mr.M. Melwin J Sridhar AP/Mech.
 Mr.S. Desikan AP/Mech.

R & D Coordinator
 Dr.P.P. Shantharaman
 Asso. Prof./Mech.

Convener
 Dr.T. Pushparaj
 HoD/Mech.

Patron
 Dr.J. Arputha Vijaya Selvi
 Principal

<https://www.facebook.com/KingsCollegeofEngineering/>

Participation Certificate – Sample Copy


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 Punakulam, Near Thanjavur, Pudukkottai Dt - 613 303


CERTIFICATE OF PARTICIPATION

This is to certify that **K. Senthamizsudar, Student** of
Kings college of engineering has attended
 the National Webinar on **"Introduction on Industrial Revolution 4.0"** organized
 by Department of Mechanical Engineering and Research & Development Cell,
 Kings College of Engineering, Punakulam on 29.07.2020 through online mode
 in Cisco Webex platform.

R & D Coordinator
Dr.P.P. Shantharaman
 Asso. Prof./Mech

Convener
Dr.T. Pushparaj
 HoD/Mech.

Patron
Dr.J. Arputha Vijaya Selvi
 Principal

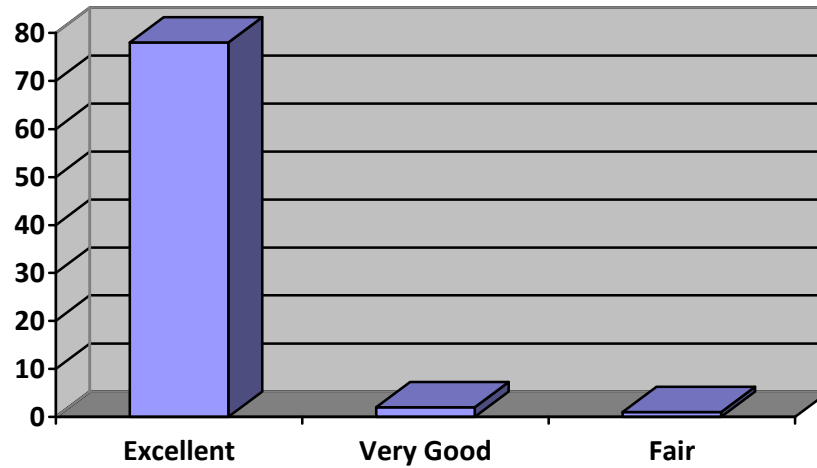
List of Attended Participants

S.No	Name of the Institute/Organisation	Number of participants
1	A.R.J College of Engineering and Technology,Kumbakonam	1
2	A.V.C.College of Engineering, Mayladuthurai.	1
3	Apollo art and science college Chennai	1
4	Balaji institute of technology and science,Chennai	1
5	Bannari Amman Institute of technology Sathyamangalam Erode	1
6	GCE Thanjavur	1
7	Jansons Institute Of Technology,Perunthurai	1
8	Joginpally B.R. Engineering College, Hydrebad	1
9	K L UNIVERSITY,Guntur	1
10	Kamatachi industries ltd, Thoothukudi	1
11	Kings College of engineering, punalkulam.	57
12	KONGU ENGINEERING COLLEGE,PERUNDURAI	1
13	Mam college, Trichy	1
14	Mohamed sathak engineering college, Ramanathapuram	1
15	PSNA College of Engineering and Technology,Dindukal	1
16	RV college of engineering, Bengaluru	1
17	Sanjivani college,Maharashtra	1
18	Saranathan college of Engineering,Trichy	1
19	SASTRA University ,Thanjavur	1
20	Sree Chaitanya college of engineering,Telangana	1
21	SRM TPR Engineering College, Trichy	1
22	The Oxford College Of Engineering,Trichy	1
23	University College of Engineering Thirukkuvalai	1
24	Wheels India Ltd,Chennai	1

Feedback questions and responses

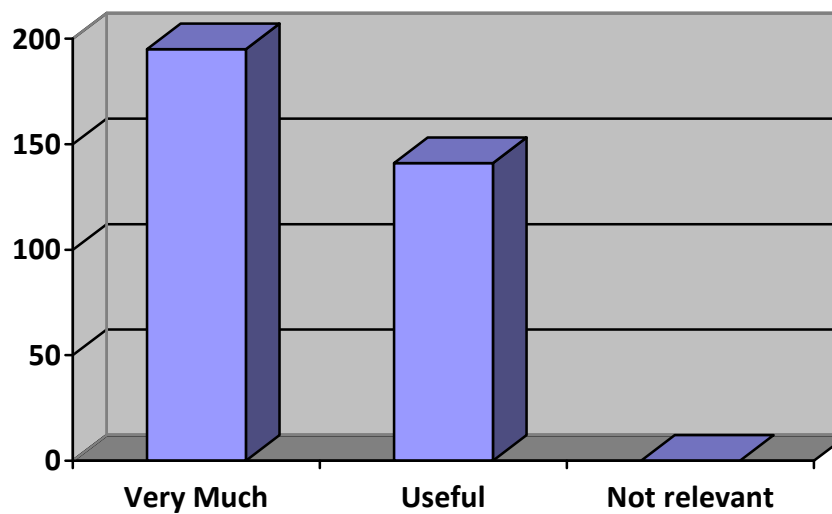
1. How satisfied were you with the session content?

Excellent	Very Good	Fair
78	2	1



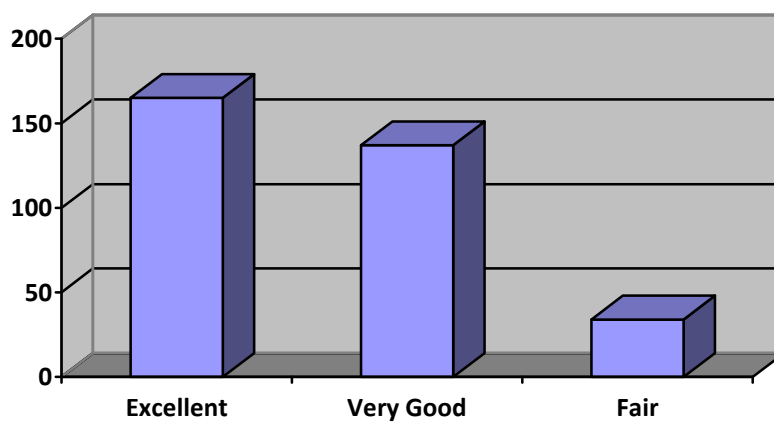
2. How relevant and helpful do you think it was for your job?

Very Much	Useful	Not relevant
195	141	0



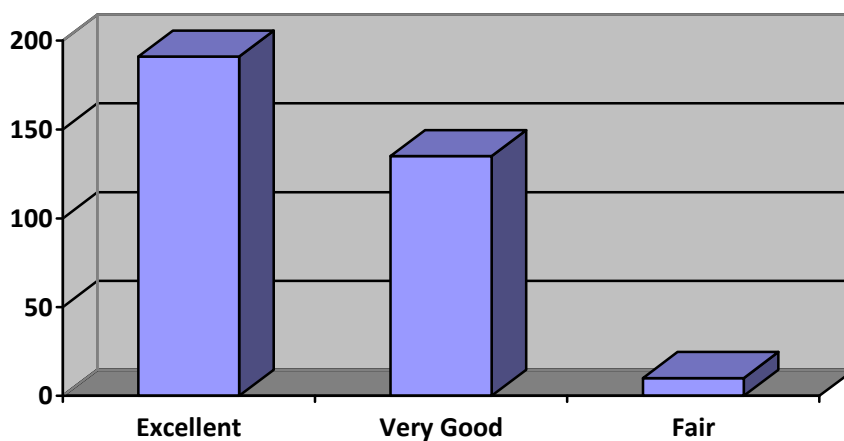
3. How satisfied were you with the session Video and Audio streaming?


Excellent	Very Good	Fair
165	137	34





4. Overall feedback for the event?

Excellent	Very Good	Fair
191	135	10




Coordinator
(Dr.P.P.Shantharaman)

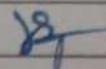

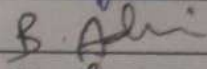

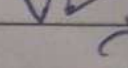



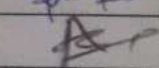
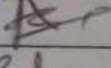
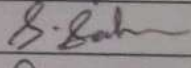
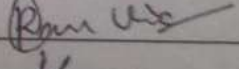
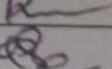
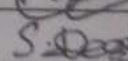
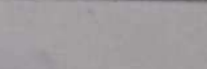

HOD/Mechanical
(Dr.T.Pushparaj)

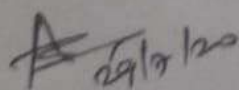

Principal
(Dr.J.Arputha Vijaya Selvi)

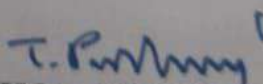
KINGS COLLEGE OF ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING
ACADEMIC YEAR 2020-21
PROGRAMME ATTENDANCE LIST

Date: 29/7/20

Programme name: Webinar on "Introduction on Industrial Revolution 4.0"

SNO	STAFF NAME	SIGNATURE
1	Dr.T.Pushparaj	
2	Dr.P.P.Shantharaman	
3	Mr.B.Adhichelvan	
4	R.Shankar	
5	V.Vijayakumar	
6	H.Agilan	
7	N.Magesh	
8	M.Melwin Jagatheesh Sridhar	
9	J.Rajaparthiban	
10	Mr.M.Aswin	
11	S. Sabanayagam	
12	B.Ramvignesh	
13	S.Karthi	
14	M.Sakthivel	
15	S.Desikan	


COORDINATOR


HOD/MECH



DEPARTMENT OF MECHANICAL ENGINEERING
ACADEMIC YAER 2020-21/ ODD SEMESTER

WEBINAR REPORT

The Department of Mechanical Engineering and Research & Development had jointly organized a National Level Webinar on "**LEAD CADMIUM TIN ALLOYS AND ITS MECHANICAL AND CORROSION BEHAVIOURS**" for faculty, students, resource scholars and Industrial persons by online mode on **26.09.2020** at **3.00 p.m** to **4.00 p.m**. **Dr. S. Mahendran**, Assistant Professor HoD/Mechanical, University College of Engineering, Thirukkuvalai delivered the Webinar presentation.

The welcome address was given by **Mr. R. Shankar**, Assistant Professor/ Department of Mechanical, Kings College of Engineering. Resource person **Dr. S. Mahendran**, Assistant Professor HoD/Mechanical, University College of Engineering, Thirukkuvalai was introduced by **Dr.T.Pushparaj** Professor HoD/ Mechanical, Kings College of Engineering. The resource person had given the lecture on "**LEAD CADMIUM TIN ALLOYS AND ITS MECHANICAL AND CORROSION BEHAVIOURS**". In this lecture, he explained about the anti-corrosion characteristics contributed by a double reduced as the base substrate for tinplate and other tin mill small quantities from the production of another metal.

In this webinar, 134 participants registered from various Institutions. Among these, 83 participants were from Engineering Colleges. Remaining participants were from various Polytechnic College and Arts and Science Colleges in around Tamil Nadu. Vote of thanks was given by **Mr. S.Karthi**, Assistant Professor/ Department of Mechanical, Kings College of Engineering.

All the attended participants gave their feed back after the webinar session and E-certificate had been sent to them through email. The webinar brochure, copy of certificate for participants, list of participates and detailed feedback analyses are given below.

Webinar Brochure

**KINGS COLLEGE OF ENGINEERING**
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Punalkulam, Near Thanjavur, Pudukkottai Dt - 613 303

**INSTITUTION'S INNOVATION COUNCIL**
Support to UGC

Participation Certificate-Sample Copy

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Punalkulam, Near Thanjavur, Pudukkottai Dt - 613 303

**INSTITUTION'S INNOVATION COUNCIL**
Support to UGC

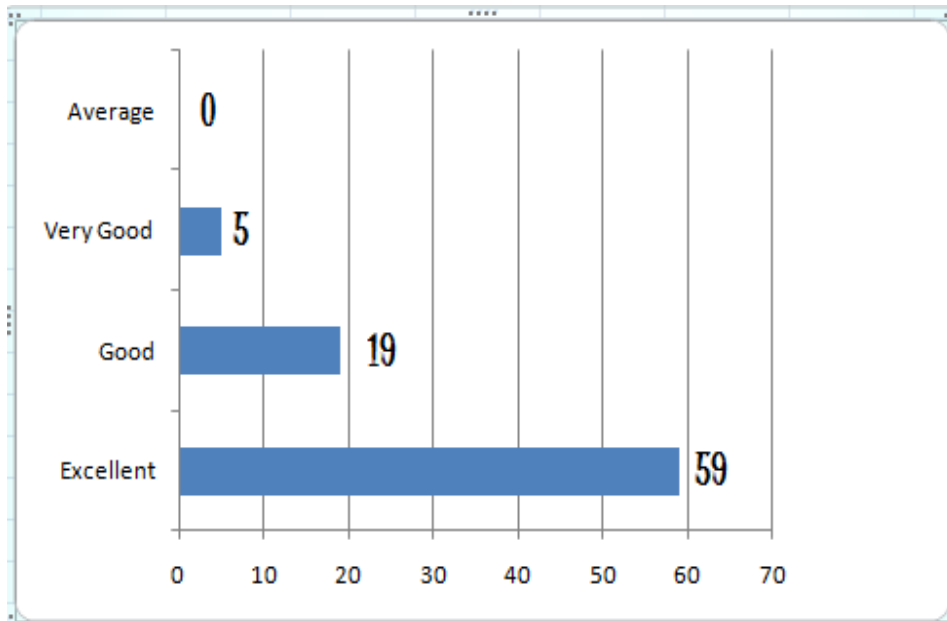
List of attended participants

S.No	Name of the Institute/ Organization	Number of Participants
1.	ARJ College of Engineering and Technology, Mannargudi, Tamilnadu.	03
2.	AVC College of Engineering, Mannampandal, Mayiladuthurai, Tamilnadu.	02
3.	Anjalai Ammal Mahalingam Engineering College, Kovilvenni	02
4.	Anna University ,Trichy, Tamilnadu	01
5.	Aarupadai Veedu Institute of Technolgy, Chennai	01
6.	Annamalai University, Chidhabaram	02
7.	C.P.S Engineering College, Mathura, Uttar Pradesh.	01
8.	E.G.S Pillay Engineering College, Nagapattinam, Tamilnadu.	04
9.	Easwari Engineering College, Chennai, Tamilnadu.	02
10.	Erode Sengunthar Engineering College, Erode, Tamilnadu.	01
11.	Francis Xavier Engineering College ,Tirunelveli, Tamilnadu.	02
12.	Freezco Corporation Rourkela	01
13.	Gayatri Vidya Parishad College of Engineering, Vishakapattinam, Andhra Pradesh.	01
14.	Government College of Engineering, Sengipatti, Tamilnadu.	03
15.	GKM College of Engineering And Technology, Chennai, Tamilnadu.	01
16.	G.Pulla Reddy Engineering College, Kurnool, Andhra Pradesh.	01
17.	Govt.Polytechnic College Trichy, Tamilnadu.	01
18.	G V Acharya College, Shelu, Mumbai	01
19.	Gnanamani College of Technology , Namakkal	03
20.	IFET College of Engineering, Chennai, Tamilnadu.	01
21.	Jeppiaar Institute of Technology, Chennai, Tamilnadu.	05
22.	JNN Institute of Engineering, Thiruvallur, Tamilnadu	02
23.	K. Ramakrishnan College of Technology, Trichy, Tamilnadu.	03
24.	K.S.K College of Engineering and Technology, Kumbokkonam, Tamilnadu.	05
25.	Kings College Of Engineering, Pudukkotttdi, Tamilnadu.	15
26.	Kit-Kalaigar Karunanidhi Institute of Technology, Coimbatore, Tamilnadu.	01
27.	Knowledge Institute of Technology, Salem, Tamilnadu.	04
28.	Mookambigai College of Engineering	03
29.	MSN Institute of Management, Kerala	01
30.	National Institute of Technology, Trichy	01
31.	OBO Bettermann India Pvt ltd, Chennai	01
32.	Periyar Centenary Polytechnic College, Thanjavur	03
33.	Vignans Institute of Information Technology, Visakhapatnam	01
34.	V.O.C College, Thoothukudi	04

Feedback questions and responses

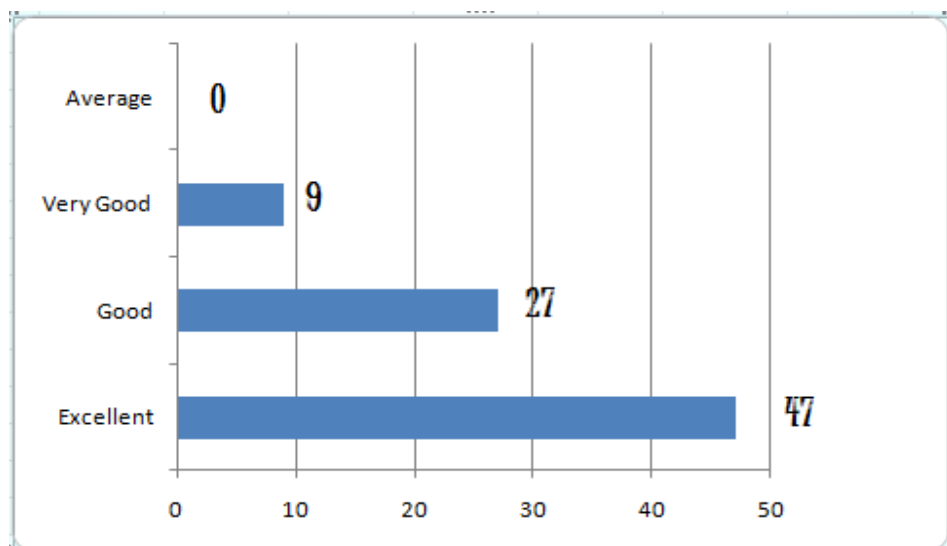
1. How Well the Program Organized.

Excellent	Good	Very Good	Average
59	19	5	Nil



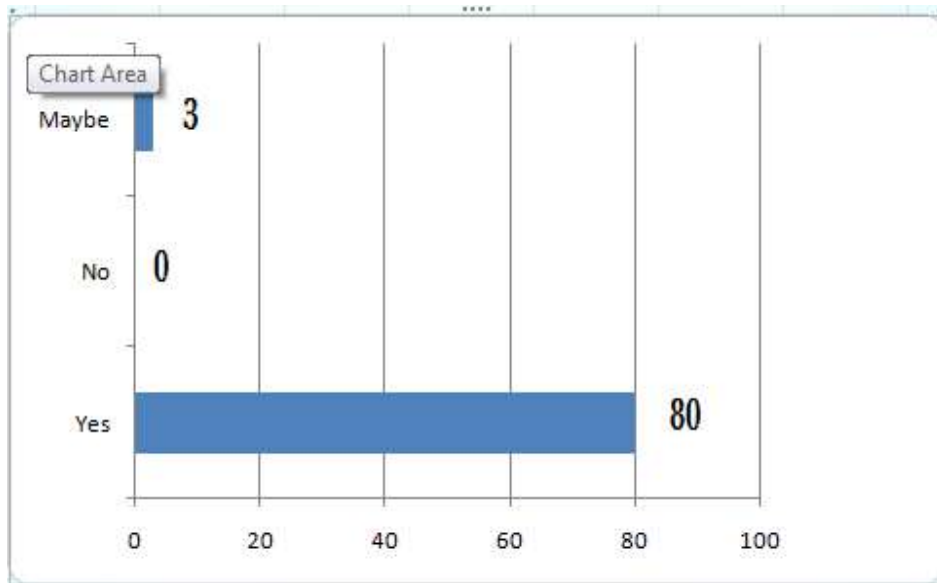
2. How about the Audio Video Quality.

Excellent	Good	Very Good	Average
47	27	9	Nil



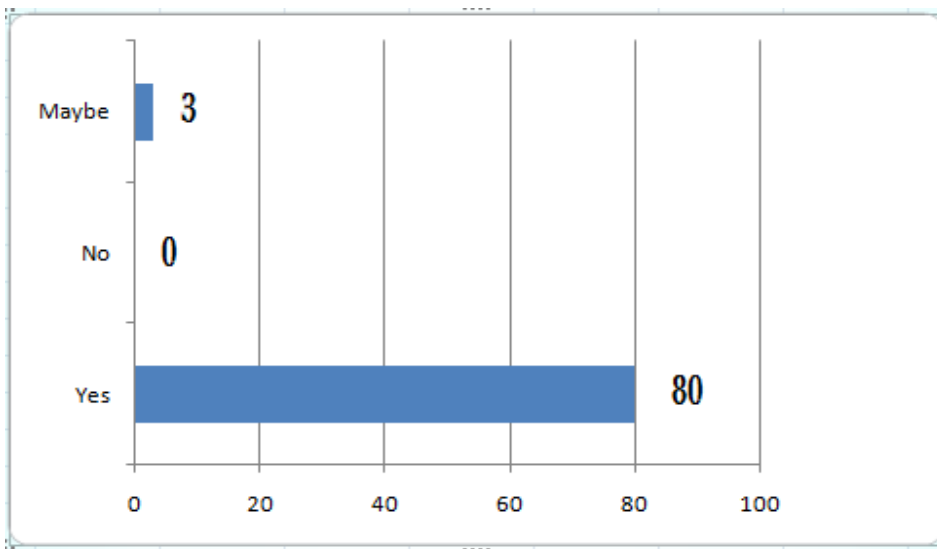
3. Did you Join future Events.


Yes	No	Maybe
80	Nil	3




4. Is the time sufficient for the content?

Yes	No	Maybe
80	Nil	3




Coordinator
 (Dr.P.P.Shantharaman)

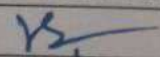
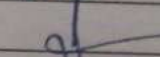
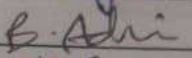

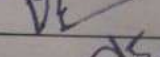




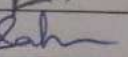
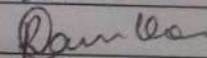
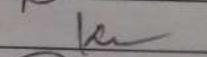
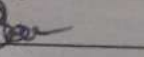



HoD/Mechanical
 (Dr.T.Pushparaj)

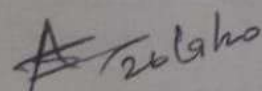

Principal
 (Dr.J.Arputha Vijaya Selvi)

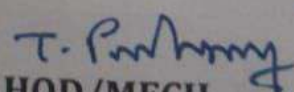
KINGS COLLEGE OF ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING
ACADEMIC YEAR 2020-21
PROGRAMME ATTENDANCE LIST

Date: 26/9/20

Programme name: Webinar on "Lead cadmium tin alloys and its mechanical and corrosion behaviours"

SNO	STAFF NAME	SIGNATURE
1	Dr.T.Pushparaj	
2	Dr.P.P.Shantharaman	
3	Mr.B.Adhichelvan	
4	R.Shankar	
5	V.Vijayakumar	
6	H.Agilan	
7	N.Magesh	
8	M.Melwin Jagatheesh Sridhar	
9	J.Rajaparthiaban	
10	Mr.M.Aswin	
11	S. Sabanayagam	
12	B.Ramvignesh	
13	S.Karthi	
14	M.Sakthivel	
15	S.Desikan	


COORDINATOR


HOD/MECH



DEPARTMENT OF MECHANICAL ENGINEERING

ACADEMIC YEAR 2020-21 / EVEN SEMESTER

WEBINAR REPORT

The Department of Mechanical Engineering and Research & Development section had jointly organized a National level webinar through online mode YouTube Live (Channel: kings college of engineering punalkulam) on “**Art of Writing Research Articles**” on **20.02.2021** at **12.00 p.m. to 01.00 p.m.** Welcome address was given by **Mr. S. Sabanayagam**, Assistant Professor / Mechanical, Kings College of Engineering.

Resource person **Dr. N. Sendhilkumar**, was introduced by **Mr. S. Sabanayagam**, Assistant Professor/Mechanical, Kings College of Engineering. The resource person had given the lecture on “**Art of Writing Research Articles**”. In his lecture, he explained how to find the research gap, research findings, initiating the article writing, manuscript preparation and submission on journal by finding journals related to project work. Our resource person also explains how, the patents should be filed and gets granted.

In this webinar, **72** participants from **28** colleges have registered from various Engineering Colleges, Polytechnic colleges and Arts & Sciences Colleges and participated the webinar. As on February 22, 2021, 352 views have been progressing in “Kings College of engineering punalkulam YouTube channel”. Vote of thanks was given by **Mr.S.Sabanayagam**, AP/Mechanical. Kings College of Engineering.

All the attended participants gave their feedback after the session and E-certificate have been sent to them through email.

Webinar Brochure



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*Research & Development Cell (R&D) and
Department of Mechanical Engineering
Organize*

**National Webinar on
“Art of Writing Research Articles”**

On 20/02/2021 | Saturday @ 12:00 PM



Resource Person
Dr. N. Sendhil Kumar
Assistant professor & Head
Mechanical Engineering
NIT-Puducherry

E-certificate will be provided

Coordinators
Mr. S. Sabanayagam, AP/Mech
Mr. T. Pasupathi, AP/ECE

Last date for Registration
18/02/2021

Registration Link
<https://forms.gle/EMa1c9SkBUkVbkMa8>



Scan here

Dr. P P Shantharaman R&D Convenor Dr. T Pushparaj HoD/Mech Dr. J Arputha Vijaya Selvi Principal

*Meeting link will be shared through mail
<https://www.facebook.com/KingsCollegeofEngineering/>

Participation Certificate – Sample Copy



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Certificate of Participation

This is to certify that

MAHESH KUMAR R
ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES RAJAMPET

has participated in webinar on “Art of writing research articles”
presented by Dr. N. Sendhil Kumar, Assistant Professor & Head, Mechanical
Engineering, NIT-Puducherry, organized by Research & Development cell
(R&D), Kings College of Engineering, Punalikulam, Thanjavur
on 20th February, 2021.

Event coordinator
Mr. S. Sabanayagam
AP/MECH
Mr. T. Pasupathi
AP/ECE

R&D convenor
Dr. P. P. Shantharaman
ASP/MECH

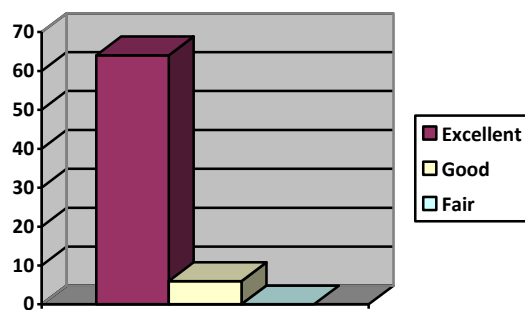
Patron
Dr. J. Arputha Vijaya Selvi
Principal

List of Attended Participants

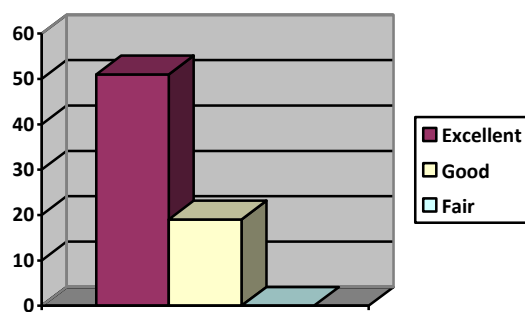
S.No	Name of the Institute/Organisation	Number of participants
1	AVC COLLEGE OF ENGINEERING	3
2	AMIETE	1
3	ANNA UNIVERSITY	1
4	ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES RAJAMPET	1
5	ANNAMALAI UNIVERSITY	1
6	ANURAG ENGINEERING COLLEGE (A)	2
7	DAYALBAGH EDUCATIONAL INSTITUTION (DEEMED UNIVERSITY), DAYALBAGH, AGRA	4
8	E G S PILLAI ENGINEERING COLLEGE (AUTONOMOUS)	4
9	ER.PERUMAL MANIMEKALAI COLLEGE OF ENGINEERING	1
10	GBPUAT ,PANTNAGAR	1
11	ISTS WOMENS ENGINEERING COLLEGE	3
12	ER.PERUMAL MANIMEKALAI COLLEGE OF ENGINEERING	1
13	JSS WOMENS COLLEGE CHAMARAJNAGAR	1
14	KHAKHARIPURA	1
15	KINGS COLLEGE. OF ENGINEERING, PUNALKULAM	32
16	V.S.B.ENGINEERING COLLEGE,KARUDAYAMPALAYAM,KARUR	1
17	SWAMI VIVEKANAND SUBHARTI UNIVERSITY, MEERUT	1
18	ST.THOMAS' COLLEGE OF ENGINEERING & TECHNOLOGY	1
19	KUMARAGURU COLLEGE OF TECHNOLOGY	1
20	SRI RAMAKRISHNA INSTITUTE OF TECHNOLOGY	1
21	MOHAMED SATHAK A J COLLEGE OF ENGINEERING	1
22	SEKOLAH MENENGAH ATAS NEGERI 78 JAKARTA	1
23	RAO BAHADUR Y MAHABALESWARAPPA ENGINEERING COLLEGE,BALLARI	1
24	PRINCIPAL, ANJUMAN- E -QASIMIYAH, CHENNAI. INDIA	1
25	USHA MARTIN UNIVERSITY	1
26	ARIFA INSTITUTE OF TECHNOLOGY	1
27	DAYALBAGH EDUCATIONAL INSTITUTION (DEEMED UNIVERSITY), DAYALBAGH, AGRA	3
28	BASAVESHWAR ENGINEERING COLLEGE (AUTONOMOUS),BAGALKOT	1

Feedback questions and responses

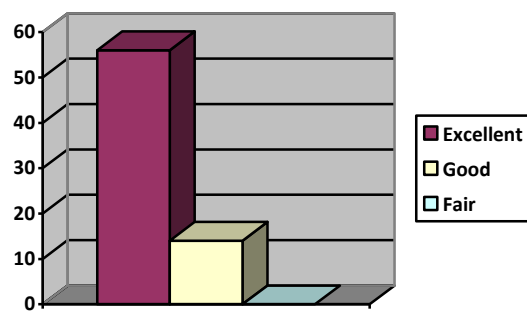
1. Content of the Program? 70 responses



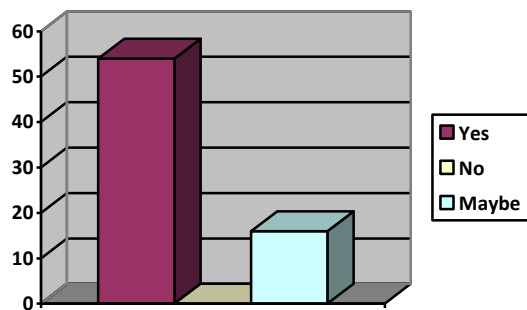
2. Quality of Audio/Video Streaming? 70 responses



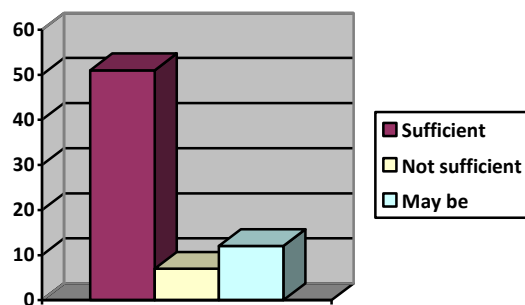
3. Way of Presentation? 70 responses



4. Will you participate in future events? 70 responses



5. Is the time sufficient for coverage of topic chosen? 70 responses



S. Sabanayagam
22/4/21

Event Coordinators

(Mr. S. Sabanayagam)

(Mr. T. Pasupathi)

T. Pushparaj
22/4/21

HOD/Mechanical

(Dr.T.Pushparaj)

J. Arputha Vijaya Selvi
23/2/2021

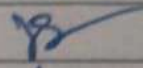
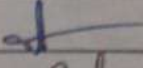
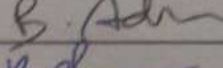
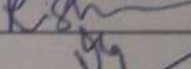


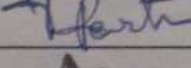
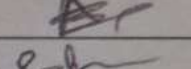
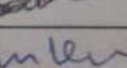
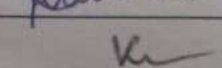
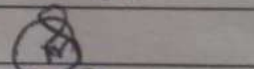
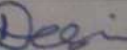

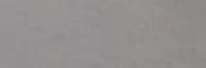
Principal

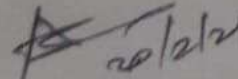
(Dr.J.Arputha Vijaya Selvi)

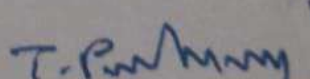
KINGS COLLEGE OF ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING
ACADEMIC YEAR 2020-21
PROGRAMME ATTENDANCE LIST

Date: 20/2/21

Programme name: Webinar on "Art of Writing Research Articles"

SNO	STAFF NAME	SIGNATURE
1	Dr.T.Pushparaj	
2	Dr.P.P.Shantharaman	
3	Mr.B.Adhichelvan	
4	R.Shankar	
5	V.Vijayakumar	
6	H.Agilan	
7	N.Magesh	
8	M.Melwin Jagatheesh Sridhar	
9	J.Rajaparthiban	
10	Mr.M.Aswin	
11	S. Sabanayagam	
12	B.Ramvignesh	
13	S.Karthi	
14	M.Sakthivel	
15	S.Desikan	


COORDINATOR


HOD/MECH



Department of Mechanical Engineering
Academic year 2020-21 (ODD)
Internal staff seminar Report

Date & time : 12.09.2020 & 11.15 am

Venue : Room no.203

Topic: Seminar on “Google classroom-An induction programme”

Resource person: M.Aswin, Ap/Mechanical

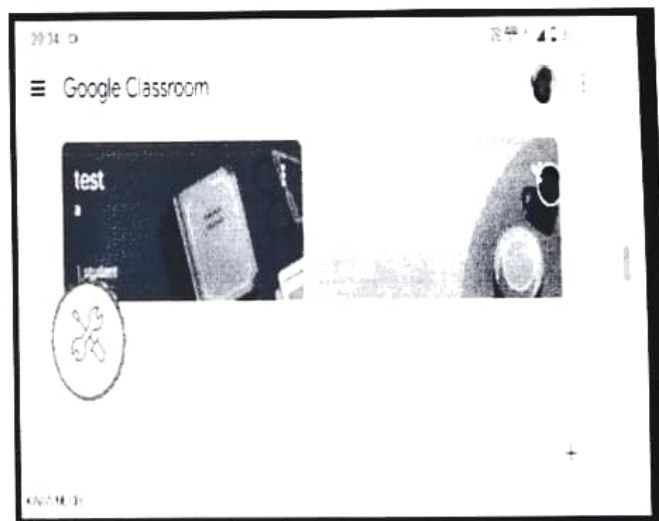
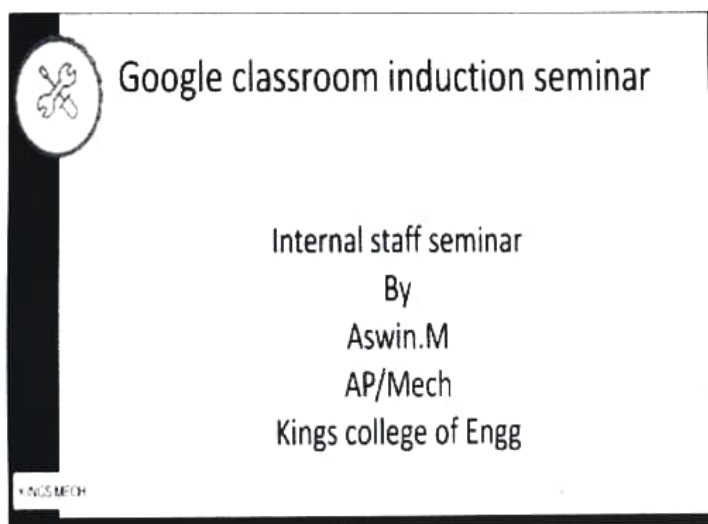


Meeting regarding Google classroom usage has been discussed before staff members of Department of Mechanical Engineering on 12/09/2020 at 11.15 a.m. Here few points are discussed:

1. Google Classroom is easy to use. Compared to other LMS (Learning Management Systems) that have been popular over the past decade, Google Classroom is amazingly simple.
2. Google Classroom helps you to communicate more efficiently. You enter the email addresses of the students just once, and classroom communication is done. Just by entering the student in the classroom, the teacher has an email group, a discussion group, and a Google Calendar automatically created. And it's easy to add and remove students from the class as necessary.

3. Google Classroom helps you to communicate more effectively. Probably more important than being easy to use and efficient, the communication tools are also very effective. Because it is all Cloud-based, there is no more "losing" of assignments by students. If a student is absent, communication is seamless. Just last month, Google Classroom added a parent notification feature to keep parents informed about what is going on in the "classroom."
4. Google Classroom is more cost-effective and better for the environment. If every student has a device that connects to the internet already, every sheet of paper that we save only makes the school more efficient and more environmentally responsible.
5. A tutorial on Google classroom has been prepared and uploaded on YouTube and shared with students as well as staff members. The link is : <https://youtu.be/uMxj GcOwnc>

Snapshots of the video



Aswin.M
IQAC Member

T. Prabhakaran
HOD Mech.



Department of Mechanical Engineering
Academic year 2020-21 (ODD)
Internal staff seminar attendance

Date & time : 12.09.2020 & 11.15 am

Venue : Room no.203

Topic: Seminar on "Google classroom-An induction programme"

Resource person: M.Aswin, Ap/Mechanical

Sno	Staff name	Signature
1	Dr.T.Pushparaj	
2	Dr.P.P.Shantharaman	
3	Mr.B.Adhichelvan	
4	R.Shankar	
5	V.Vijayakumar	
6	H.Agilan	
7	N.Magesh	
8	M.Melwin Jagatheesh Sridhar	
9	J.Rajaparthiaban	
10	Mr.M.Aswin	
11	S. Sabanayagam	
12	B.Ramvignesh	
13	S.Karthi	
14	M.Sakthivel	
15	S.Desikan	

DEPT IQAC MEMBER

HOD/MECH



Department of Mechanical Engineering
Academic year 2020-21 (Even)
Internal staff seminar Report

Date & time : 16.02.2021 & 11.00 am

Venue : Room no.203

Topic: Seminar on “Material science in recent automotives”

Resource person: M.Melwin, Ap/Mechanical

Ultra low emission, eco-friendly and high efficient cars have begun to make their way onto our roads. Using revolutionary new technologies and some tried-and-tested design practices, the impact automobiles have on our environment is decreasing.

But what are these new technologies? How are they impacting automotive designs? What are the new developments in materials science that are going to ensure the lightweight momentum is going to keep up? In this article, we'll take a look at several ways new materials science findings could be impacting automotive designs in the coming few years.

Electric vehicles should be able to reduce the maintenance and running costs for their owners. For one, they have fewer moving parts than internal combustion engines (ICEs), which means concentrated efforts can be made to suitably protect those parts – resulting in less maintenance, a longer lifespan and reduce costs for owners, huge benefits for any prospective owner.

DEPT IQAC MEMBER

HOD/MECH



Department of Mechanical Engineering
Academic year 2020-21 (ODD)
Internal staff seminar attendance

Date & time : 16.02.2021 & 11.00 am

Venue : Room no.203

Topic: Seminar on "Material science in recent automotives"

Resource person: M.Melwin, Ap/Mechanical

Sno	Staff name	Signature
1	Dr.T.Pushparaj	
2	Dr.P.P.Shantharaman	
3	Mr.B.Adhichelvan	
4	R.Shankar	
5	V.Vijayakumar	
6	H.Agilan	
7	N.Magesh	
8	M.Melwin Jagatheesh Sridhar	
9	J.Rajaparthiaban	
10	Mr.M.Aswin	
11	S. Sabanayagam	
12	B.Ramvignesh	
13	S.Karthi	
14	M.Sakthivel	
15	S.Desikan	

DEPT IQAC MEMBER

HOD/MECH



Department of Mechanical Engineering
Academic year 2020-21 (Even)
Internal staff seminar Report

Date & time : 08.04.2021 & 11.00 am

Venue : Room no.203

Topic: Seminar on “Advances in Automobile safety”

Resource person: Dr.T.Pushparaj, HoD/Mechanical

The safety truck is an innovative concept that solves some of road safety's biggest issues. Semi-trucks share roadways with passenger automobiles, and the disparity in size and weight leads to violent collisions, often caused by the difference in sight lines, maneuverability, and reaction times. In particular, semi-trucks and trailers obscure drivers' views in situations including overtaking, sudden turns or braking maneuvers caused by animals or cross traffic, and wide turns.

Samsung created the Safety Truck concept to make roadways safer for all drivers. The Safety Truck features a wireless camera attached to the front of the truck which streams its feed to a video wall made of four exterior monitors on the back of the truck.

The monitors provide drivers with a view of what is in front of the truck, even when it is dark outside. This provides drivers with a view of the “open road” ahead of them instead of the imposing wall of rubber and metal that drivers typically see when driving behind semi-trucks.

Whether deciding to overtake or reacting much quicker to potential threats located ahead of or beside the semi, drivers have much more information to drive safely behind Safety Truck-equipped semis than traditional tractor trailers. Samsung has developed several prototypes with large format displays and put the concept on the road with a local B2B client.

Samsung is now partnering with NGOs and local governments to parse through local regulations and source funding to roll out this potentially life-saving technology on semi-trucks across the globe.

A handwritten signature in black ink, appearing to read 'T. Pushparaj'.

DEPT IQAC CO-ORDINATOR

A handwritten signature in black ink, appearing to read 'T. Pushparaj'.

HOD/MECH



Department of Mechanical Engineering
Academic year 2020-21 (Even)
Internal staff seminar attendance

Date & time : 08.04.2021 & 11.00 am

Venue : Room no.203

Topic: Seminar on "Advances in Automobile safety"

Resource person: Dr.T.Pushparaj, HoD/Mechanical

Sno	Staff name	Signature
1	Dr.T.Pushparaj	
2	Dr.P.P.Shantharaman	
3	Mr.B.Adhichelvan	
4	R.Shankar	
5	V.Vijayakumar	
6	H.Agilan	
7	N.Magesh	
8	M.Melwin Jagatheesh Sridhar	
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10	Mr.M.Aswin	
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12	B.Ramvignesh	
13	S.Karthi	
14	M.Sakthivel	
15	S.Desikan	

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HOD/MECH



DEPARTMENT OF MECHANICAL ENGINEERING

ACADEMIC YEAR 2020-21 / EVEN SEMESTER

WEBINAR REPORT

- The Department of Mechanical Engineering had organized a National level webinar on “**PIEZOELECTRIC NANOFIBRES FOR NANOGENERATORS**” through online mode on 23.03.2021 at 10.30 a.m.
- Welcome address was given by **Mr.M. Aswin**, Assistant Professor, Department of Mechanical Engineering, Kings College of Engineering.
- Chief Guest introduction was given by **Mr.M. Sakthivel**, Assistant Professor, Department of Mechanical Engineering, Kings College of Engineering.
- The resource person **Dr.M. Sathiyaraju**, Assistant Professor, Department of Mechanical Engineering, Kathir College of Engineering, Coimbatore, had given the technical talk on “Piezoelectric Nanofibres”.

In his talk, he gave a brief introduction to “Nanofibres and its incorporation with Nanogenerators”.
- 145 participants have been registered from various institutions and 85 participants attended the webinar.
- Vote of thanks was given by **Mr.R. Shankar**, Assistant Professor, Department of Mechanical Engineering, Kings College of Engineering.
- End of the session, all the attended participants gave their feedback and E-certificate have been sent to them through email.



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NAAC Accredited Institution, Recognized under 2(F) & 12(B) Act of UGC
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 Pudukkottai, Near Thanjavur, Pudukkottai Dt - 613 303



Department of Mechanical Engineering
Presents
W E B I N A R
ON
"PIEZOELECTRIC NANOFIBERS FOR
NANOGENERATORS"



Dr. Sathiyaraju .M
Assistant Professor
 Department of Mechanical Engineering
 Kathir College of Engineering
 E-Box Colleges, Coimbatore

LIVE
PRESENTATION
23.03.2021 / TUESDAY / AT 10.30 AM



SCAN ME

REGISTER NOW
<https://forms.gle/opphk7qGkpwtC718>

For queries:
9791698880

Meeting link will be shared through e-mail
E-Certificate will be provided for all the active participants

Mr.R. Shankar AP/Mech.
Mr.M. Aswin AP/Mech.
Organizing Committee

Dr.T. Pushparaj
HOD/Mech.

Dr.J. Arputha Vijaya Selvi
Principal

Webinar Brochure



KINGS
 COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi & Affiliated to Anna University Chennai
 NAAC Accredited & ISO Certified Institution

Recognized Under 2(F) & 12 (B) of UGC
 Punalkulam, Gandarvakottai Taluk, Pudukkottai, Dt-613303
 Tamil Nadu, www.kingsindia.net

Certificate of Participation


This is certified that *Enoch Ebenezer P* of
Kings college of engineering has actively participated in
the webinar on "**Piezoelectric Nanofibers for Nanogenerators**" organized by Department of
Mechanical Engineering, Kings College of Engineering, Pudukkottai on 23rd March 2021.

Mr. R. Shankar, AP/Mech., Mr.M.Aswin AP/Mech.
Coordinators


Dr.T.Pushparaj
HOD/Mech.

Dr.J. Arputha Vijaya Selvi
Principal


Participation Certificate – sample copy


KINGS
 COLLEGE OF ENGINEERING

**Webinar on
Piezoelectric Nanofibers for Nanogenerators**
 Organized by Dept. of Mechanical Engineering



**Piezoelectric Nanofibers
for Nanogenerators**



DATE: 23.03.2021
Time: 10.30 am

Dr. SATTHIVARAJU M
 Assistant Professor
 Department of Mechanical Engineering
 Kathir College of Engineering, E-Box Colleges,
 Coimbatore.

Research Field: Sensors, Flexible Electronics and Energy Harvesting


Dr. M. S. Satthiyaraju, Assistant Professor, Department of Mechanical Engineering, Kathir College of Engineering, Coimbatore.

Kings College of Engineering

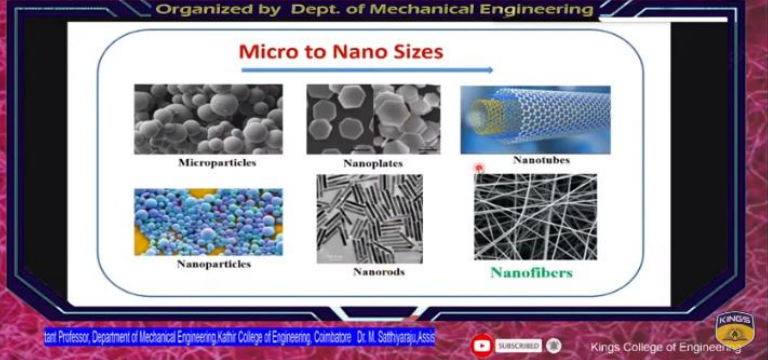
 Webinar on Piezoelectric Nanofibers for Nanogenerators
 211 views • Streamed live on 23 Mar 2021
 15 0 SHARE SAVE ...

 Top chat replay ▾

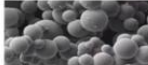
- Zlen Academy Good Morning all
- 46-Vanjinathan Akilan good morning sir
- 02 Abinash. B good morning ☀️☀️
- priyadharsan Lenin 27 Good morning sir
- Nelson Raja SelvaRaj Good morning all
- 59 Dhanasekar E Good morning sir & guys
- agilan hari Good morning to everyone
- KARAN .K Good morning sir
- RAJA DURAI Good morning to all
- Saba's Academy 2020 good morning all
- Melwin J Sridhar M Good morning to all
- 43-S.Sivasankar Good morning sir
- 13_Chandru Good morning sir
- Siva gm sir
- Ahamed Fz8121 good morning sir

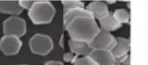

KINGS
 COLLEGE OF ENGINEERING


**Webinar on
Piezoelectric Nanofibers for Nanogenerators**
 Organized by Dept. of Mechanical Engineering





Micro to Nano Sizes



Microparticles


Nanoplates


Nanotubes


Nanoparticles


Nanorods


Nanofibers

Dr. M. S. Satthiyaraju, Assistant Professor, Department of Mechanical Engineering, Kathir College of Engineering, Coimbatore.

Kings College of Engineering

 Webinar on Piezoelectric Nanofibers for Nanogenerators
 211 views • Streamed live on 23 Mar 2021
 15 0 SHARE SAVE ...

 Top chat replay ▾

Live chat replay is on. Messages that appeared when the stream was live will show up here.


- Guru Karthik Good Morning
- Guru Karthik Dr. B. Gurukarthik Babu, Assistant Professor / EEE, Kamaraj College of Engineering and Technology, Madurai.
- Kings College of Engineering Punalkulam Good morning to all...
- Zlen Academy Good Morning all
- 46-Vanjinathan Akilan good morning sir
- 02 Abinash. B good morning ☀️☀️
- priyadharsan Lenin 27 Good morning sir
- Nelson Raja SelvaRaj Good morning all
- 59 Dhanasekar E Good morning sir & guys
- agilan hari Good morning to everyone
- KARAN .K Good morning sir


Chief guest Dr.M.Satthiyaraju, delivering his speech on Piezoelectric Nanofibres for Nanogenerators

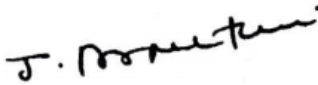
List of attended participants and Feedback

SN	Name of the participant	Designation	Institute name	How was the Programme?	Feedback/ Suggestions
1	N.MAGESH	Faculty	Kings college of engineering	Excellent	Very good
2	Sabanayagam S	Faculty	Kings College of Engineering Punalkulam	Excellent	Nil
3	S.Desikan	Faculty	Kings College Of Engineering	Excellent	Good
4	MOHAMED YASIN SHARIF R	Student	KINGS COLLEGE OF ENGINEERING	Very Good	Good
5	M.Melwin Jagadeesh Sridhar	Faculty	Kings College of Engineering	Excellent	Excellent session
6	AJITH k	Student	King's College of engineering	Excellent	It's very useful
7	M SAKTHIVEL	Faculty	Kings College of Engineering	Excellent	Nice
8	Annamalai.k	Student	Kings College engineering	Excellent	This program useful
9	R.senthil	Student	Kings college of engineering	Very Good	Good
10	Sarathkumar.M	Student	kings college of engineering	Excellent	Excellent
11	Enoch Ebenezer P	Student	Kings college of engineering	Very Good	Thanks for the session
12	K. Senthamiz Sudar	Student	KCE	Very Good	Nothing
13	Pradheesh P	Student	Kings clg of engineering	Satisfactory	Good
14	Mullaivendhan.G	Student	Kings College of engineering	Very Good	No
15	Kailash kumar.M	Student	Kings College of engineering	Very Good	Nothing
16	MANENDRA KUMAR SINGH	Student	SANT KIRPAL MODEL SCHOOL, NEW DELHI	Very Good	Good
17	Shyamala devi .R	Student	Idhaya college for women	Very Good	Good
18	Krithick Roshan. S	Student	Kings college of engineering	Very Good	Good
19	AUGUSTINE ALBERT.J	Student	KINGS COLLEGE OF ENGINEERING	Very Good	The program is good
20	Karthikeyan.R	Student	KCE	Excellent	Nice one
21	S.srinivasan	Student	St.joseph college of engg Tanjavur	Very Good	Good

77	R.RENGARAJAN	Faculty	KONGUNADU COLLAGE OF ENGINEERING AND TECHNOLOGY	Very Good	Super
78	SAM STANLEY S G	Faculty	PARK COLLEGE OF ENGINEERING AND TECHNOLOGY COIMBATORE TAMILNADU	Excellent	Good
79	MOHANRAJ R	Faculty	K. S. RANGASAMY COLLEGE OF TECHNOLOGY	Very Good	Good
80	Yuva keerthana R	Faculty	Periyar maniammai institute of science and Technology	Excellent	Good
81	J. AROKIARAJ	Faculty	Kings college of Engineering	Very Good	Good
82	RAMJLN	Faculty	Nandha Engineering College - Autonomous	Very Good	good
83	Jemila Percy A.	Faculty	University college of engineering nagercoil	Excellent	Superb
84	BLESSY QUEEN MARY M	Faculty	Government College of Technology	Excellent	Good
85	R.sundaramoorthi	Faculty	Kings college of Engineering	Very Good	good


Coordinator
Mr.R. Shankar
Mr. M.Aswin


HoD/Mech
Dr.T.Pushparaj


Principal
Dr.J.Arputha Vijaya Selvi



DEPARTMENT OF MECHANICAL ENGINEERING

GUEST LECTURE ON LEAN MANUFACTURING

In our department, Guest lecture was conducted in the topic of Lean Manufacturing on 15.02.2020 between 2.00 p.m. and 4.30 p.m. at our Chera Hall. The resource person explained about Lean Manufacturing, Various Principles followed in Lean Manufacturing as well as the various industrial applications. Totally 131 students from second and third year Mechanical Engineering participated and benefited. More number of students interacted with resource person and clarified their doubts.

Resource Persons:

1. **Dr.S.Mahendran,**
Asst.Prof/Head,
Department of Mechanical Engineering,
UCE-Thiruikuvalai.





The resource person explained about Lean manufacturing concepts

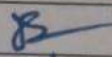

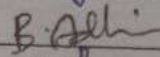
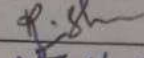
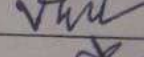




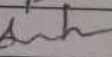
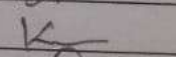




Guest Lecture Outcomes:

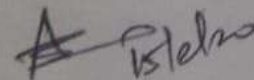
- Gained the knowledge about the Lean Manufacturing.
- Learned the concept of the Lean Manufacturing tools.
- Understood the Lean methodology followed in Industries.
- The students were able to distinguish the conventional Manufacturing and Lean Manufacturing.

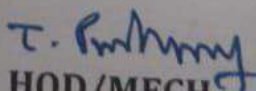
KINGS COLLEGE OF ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING
ACADEMIC YEAR 2019-20
PROGRAMME ATTENDANCE LIST

Date: 15/2/20

Programme name: Guest Lecture on "Lean Manufacturing"

SNO	STAFF NAME	SIGNATURE
1	Dr.T.Pushparaj	
2	Dr.P.P.Shantharaman	
3	Mr.B.Adhichelvan	
4	R.Shankar	
5	V.Vijayakumar	
6	H.Agilan	
7	N.Magesh	
8	M.Melwin Jagatheesh Sridhar	
9	J.Rajaparthiaban	
10	Mr. M. Ashwin	
11	S. Sabanayagam	
12	S.Karthi	
13	B.Ramvignesh	
14	M.Sakthivel	
15	S.Desikan	


COORDINATOR


HOD/MECH



DEPARTMENT OF MECHANICAL ENGINEERING

GUEST LECTURE ON NON DESTRUCTIVE TESTING

In our department Guest lecture was conducted in the topic of Non Destructive Testing (NDT) on 29.01.2020 between 1.15 p.m. and 3.00 p.m. at our CAD Lab. The resource person Mr. S. Gowtham Raj explained about NDT Principles, types and the importance of testing methods. He explained the recent methods available in NDT and job opportunities available in this same field. Totally 66 students from third year Mechanical Engineering participated and benefited. More number of students interacted with resource person and clarified their doubts

Resource Persons:

- 1. Mr.S.Gowtham Raj,**
Executive TETA Associate
Trichy
- 2. Mr.S.Kumar,**
NDT Trainer, TETA Associate
Trichy





The resource person explained about Various Techniques in NDT (29.1.20)

Guest Lecture Outcomes:

- Gained the knowledge about NDT in the manufacturing processes.
- **Learned the concept and process of NTD using in the Industry.**
- **Understood the mechanism used in Advanced NDT.**
- **The students were able to distinguish the conventional NDT and Advanced NDT techniques.**

A handwritten signature in black ink, appearing to read 'A. P. R.'.

Dept coordinator

A handwritten signature in black ink, appearing to read 'T. P. R.'.

HoD/Mech



KINGS
COLLEGE OF ENGINEERING
(N.A.C. Accredited Institution)
(Approved by AICTE, New Delhi, Affiliated to
Anna University, Chennai)



Department of Mechanical Engineering
Academic year 2019-20 (Even)
Staff attendance

Date & time : 29.1.20 & 1.15 p.m.

Venue : Metrology Lab

Topic: Guest Lecture On Non Destructive Testing

Resource person: Mr.S.Gowtham Raj, Executive TETA Associate Trichy

Sno	Staff name	Signature
1	Dr.T.Pushparaj	
2	Dr.P.P.Shantharaman	
3	Mr.B.Adhichelvan	
4	R.Shankar	
5	V.Vijayakumar	
6	H.Agilan	
7	N.Magesh	
8	M.Melwin Jagatheesh Sridhar	
9	J.Rajaparthiaban	
10	Mr. M. Ashwin	
11	S. Sabanayagam	
12	S.Karthi	
13	B.Ramvignesh	
14	M.Sakthivel	
15	S.Desikan	

DEPT IQAC CO-ORDINATOR

HOD/MECH



7.05.2020

REPORT ON FACULTY DEVELOPMENT PROGRAMME ORGANIZED IN ASSOCIATION WITH IITB

IQAC in association with IIT, Bombay is organized Faculty Development Programme for our faculty members. All faculty members attended the course on the scheduled days. 1 common course and 1 department specific course was chosen for this Summer FDP.

FDP titles & Objective

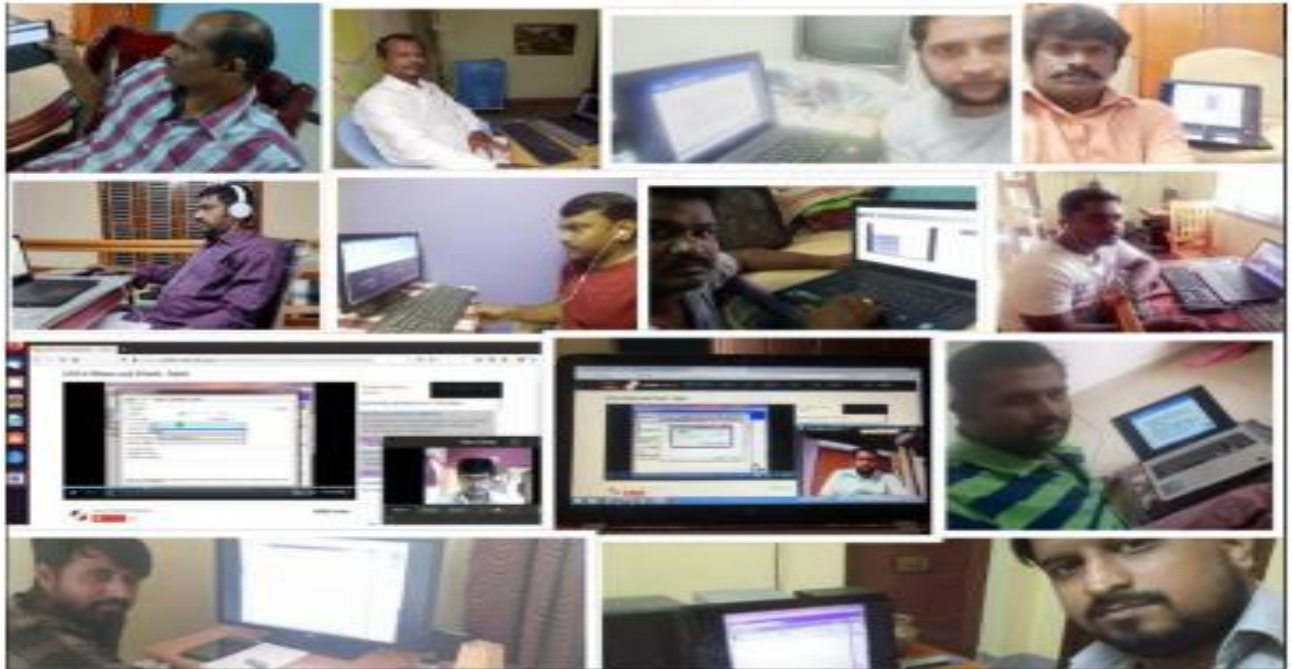
Date	Course	Course Objective	Branch(es) & number of participants
29.04.20	Latex-Workshop	Open source software that helps in preparing paper for publication with notations, plots etc.	All branch faculties(78)
04.05.20	e-Sim	Open source EDA tool for circuit design, simulation, analysis and PCB design	ECE,EEE Faculties (18+9)
	R	Open-source language for analytics and data science	CSE faculties(12)
	OpenFoam	Open source/ free CFD (Computational Fluid Dynamics) software available for solving and analyzing problems and to create a real world fluid flow movie. Open source equivalent to FLUENT. Widely used in Academics and is gaining popularity in Industry as well- Companies including AUDI, Tata Steel, Volkswagen, and Govt. agencies like BARC	CIVIL & MECH faculties (11+15)
	Applications of GeoGebra	Interactive Geometry, Algebra and Calculus application for Research Scholars.	Maths faculties (9)
	ExpEYES	Experiments for Young Engineers and Scientists. It is used to perform basic Physics and Electronics experiments.	Physics faculties (2)
	Jmol Application	To create 3D chemical, crystal and biomolecules structures. Very useful to teach and learn abstract chemistry concepts.	Chemistry faculties (2)



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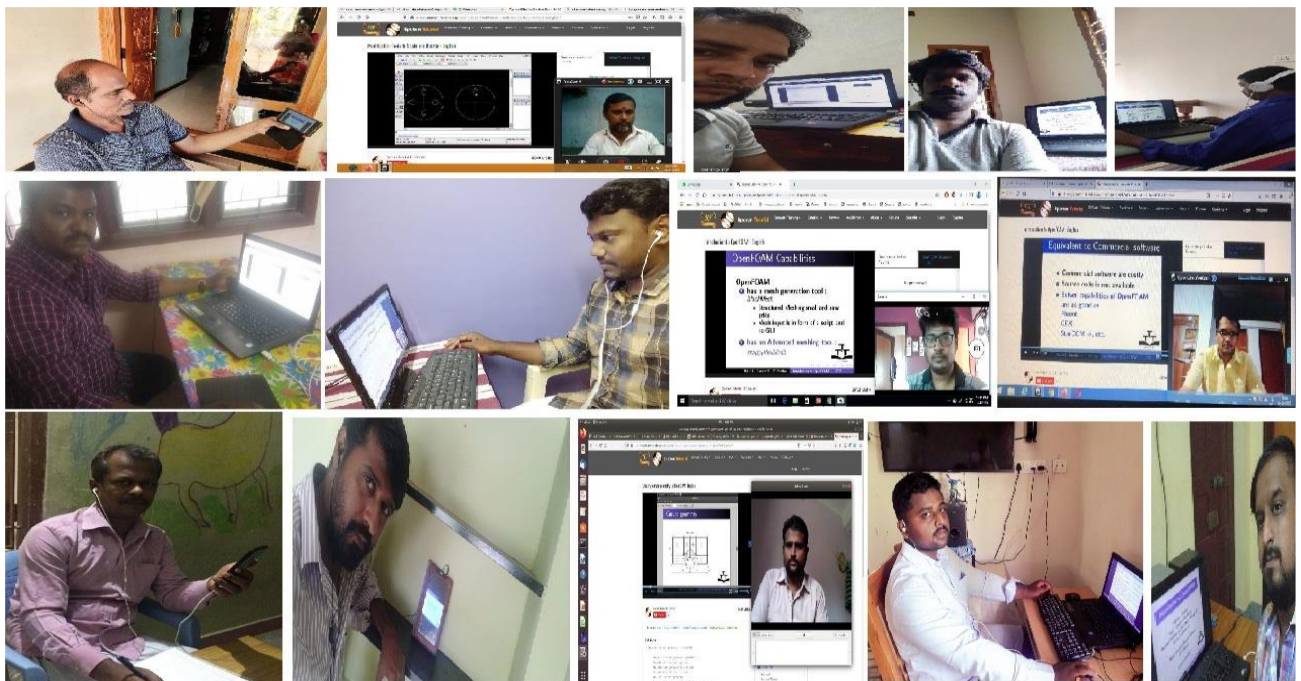
DEPARTMENT OF MECHANICAL ENGINEERING
FDP ON “LATEX” IN ASSOCIATION WITH SPOKEN TUTORIAL,
IITB(29.04.20)



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DEPARTMENT OF MECHANICAL ENGINEERING
FDP ON “OPENFOAM” IN ASSOCIATION WITH SPOKEN TUTORIAL,
IITB(4.05.20)





DEPARTMENT OF MECHANICAL ENGINEERING

ACADEMIC YEAR 2019-20 / EVEN SEMESTER

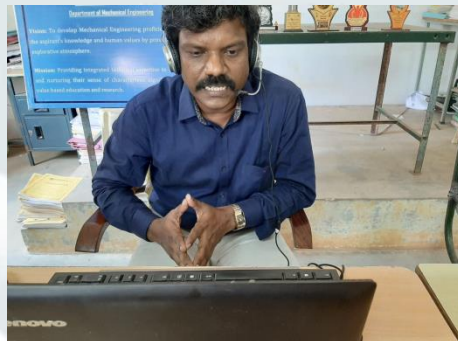
WEBINAR REPORT

- The Department of Mechanical Engineering had organized a First National level webinar through online mode on “**MACHINE TOOLS**” on **21.05.2020** at **11.00 a.m. to 12.30 p.m.**
- Welcome address was given by **Dr. T. Pushparaj**, Head of the Department / Mechanical, Kings College of Engineering.
- Resource person **Dr. S. Sivasankar**, Professor/Mechanical, Government College of Engineering, Sengipatti, Thanjavur was introduced by **Dr. P. P. Shantharaman**, Professor/Mechanical, Kings College of Engineering.
- The resource person had given the lecture on “**MACHINE TOOLS**”
 - In his lecture, he explained the metal cutting tool theory
 - solve simple numerical problem on related concepts and
 - taught various materials used for cutting tools.

In the end of the session, he had given some objective type questions to participants. The participants also answered the questions actively.
- In this webinar, **513** participants in **107** colleges have been registered from various institutions. Among these, **90** participants from various Engineering College, polytechnic college and Arts College have attended the webinar.
- Vote of thanks was given by **Mr.J.Rajaparthiban**, AP/Mechanical. Kings College of Engineering.
- All the attended participants gave their feedback after the session and E-certificate have been sent to them through email.

Resource person Dr.S. Sivasankar, GCE, Thanjavur, delivered his lecture through online mode (video conferencing using Cisco Webex App)

KM KCE MECH (host)	KM KCE MECH	C cnmnavai	DP D. DAMODARA RE	RP Ram Vignesh B	SM sathya moorthi
V vijayan	V vikyvetha	VI VIVEKNIJANTHAN L	S S.Desikan	S sreenu.koppolu	RE Ravi Engineerpatel
S S.Manikandan	SS sabai s	SM sakthivek M	P pseenu48	SS SUSHEEL S	A ayyappansamer
SA sakthivel arumug	S samvj003	SV saravana vel	RM R. manojkuma	A aswin	B baskaranauto1970
S sasikumar	SM sathya moori	R Ram	L lapc	B Balamurugan.P	S S.Arunpandiyan
R ragumech	R Raja	R Raja.s	AM Aakash. G. I	C Chandru	BP B.D.Senthamil priyan
R Ram	M melan	MS MURUGANANTHA...	A amarbareddy	V vijaykumarkings (me)	CD c.john selvaraj dee...
N Nachimuthuraja	N nanthakumarling	NS NARAYANA SRIHA...	AP ANUSURI PHANI	96 916 778 659	P pvrajeshmech73
NN Naveen Naveen	N Nikitha	PP P.Sibbi Raj	L lapc	AP agilan hari	R R.Ajithkumar



C o n n e c t e d


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 Punalur, Gandarvakkottai Taluk, Pudukkottai Dt. - 613303
 www.kingsindia.net

Department of Mechanical Engineering
 Presents
Webinar on
Machine Tools
 on 21-05-2020 | Thursday @ 11.00 am


Resource person
Dr.S.Sivasankar,
Professor / Mech,
GCE, Thanjavur.

*Certificate Will be Provided.
 Last date for Registration: 20.05.2020

For any Queries Please Contact:
 Dr.P.P.Shantharaman, Assoc.Prof/Mech
 9944876644
 Mr.R.Shankar, Asst.Prof/Mech
 9248664661
 Mr.M.Mahesh / Sridhar, Asst.Prof/Mech
 9994748951

Registration Link:
<https://forms.gle/MaaZmJWCGjXfgy9>

*Meeting link will be shared through email.
<https://www.facebook.com/KingsCollegeofEngineering/>

R ramanansairithish	R RAMESH.K	S S.Lakshmanan	S S.Manikandan	AC ASHWIN CHAK	HI Hemal Lakdawala
T T.Pushparaj	UK UDHAYAKUMAR K	V veeraselvam	R RANJITH.R	PP Pradeepkumar R	P pseenu48
RS R Sri Siva	K krishnaveni181	DP D. DAMODARA RE...	DP Dr A. Palanisam	DP Durga Rao	L lapc
RR R.Ame Rayan	L lapc	E ELCOT	EM EMANDI MAHIF	G g.abinanth	A Akash.R
J J.Vigneshwaran	L lapcmec	G G.ELATHARASAN	GS G.v.siva sar	GV GANESH V V	KA Kumaraswamy A
M M.Joshuva	M M.Srinivasan	M M.VINODHINI	L lapc	KP K RAM PRAKAS..	K kailash
MS Manoj S	M meeraja1410	M melan	K kaleeswarar	K karthi27072000@g	KP KARTHIKEYAN S R
KP KARTHIKEYA	K karumalai200	K kiranchand5554	L lapc014	L lapc015	AC ASHWIN CHAKR
JS Jayabalaji S	J jenish12	J JOTHI PALAVESA...	G GURUPRAN	L lapc	P pseenu48


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www.kingsindia.net



Department of Mechanical Engineering

Presents

Webinar on Machine Tools

on 21-05-2020 | Thursday@11.00 am



Resource person
Dr.S.Sivasankar,
 Professor / Mech,
 GCE, Thanjavur.

For any Queries Please Contact

Dr.P.P.Shantharaman, Assoc.Prof/Mech
 9944876644

Mr.R.Shankar, Asst.Prof/Mech
 8248866861

Mr.M.Melwin J Sridhar, Asst.Prof/Mech
 9994748951

E-Certificate Will be Provided

Last date for Registration:
20.05.2020

Registration Link:
<https://forms.gle/MaaZmJWCgJjaXfgy9>

*Meeting link will be shared through email.

 <https://www.facebook.com/KingsCollegeofEngineering/>

Webinar Brochure


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 Punalkulam, Gandarvakottai Taluk, Pudukkottai District - 613 303.




CERTIFICATE

This is certify that

RAM VIGNESH B

has participated in the webinar on "Machine Tools" on 21st May, 2020, organized by the
 Department of Mechanical Engineering, Kings College of Engineering, Punalkulam.

Coordinators

Dr. P.P. Shantharaman

HOD

Dr. T. Pushparaj

Principal

Dr. J. Arputha Vijaya Selvi

Certificate ID: KCE-MECH-W1-2020001




Participation Certificate – Sample Copy

List of Registered participants

SN	Name of the Institution	No. of participants
1	K.S.K COLLEGE OF ENGINEERING AND TECHNOLOGY	5
2	Parisutham Institute of Technology and Science	2
3	Kings College of Engineering	47
4	Saranathan college of Engineering	9
5	Arifa Institute of Technology	26
6	K. Ramakrishnan College of Engineering	18
7	ARASU ENGINEERING COLLEGE	7
8	A.V.C.College of Engineering	1
9	IARE	1
10	SJCET, THANJAVUR	7
11	Noorul Islam center for higher education	1
12	SRI SAIRAM ENGINEERING COLLEGE	4
13	Sri Venkateswara college of engineering	1
14	SREE CHAITANYA COLLEGE OF ENGG KARIMANAGAR TS	7
15	Moradabad Institute of Technology, Moradabad	1
16	PSCMRCET, VIJAYAWADA	6
17	Chennai Institute of Technology	1
18	Thandai Periyar Government Institute of Technology	1
19	Prakasam engineering college	3
20	SRI RAMAKRISHNA INSTITUTE OF TECH,COIMBATORE	3
21	Indur Institute of Engineering and Technology, Siddipet	1
22	KPR INSTITUTE OF ENGG AND TECHNOLOGY, COIMBATORE	1
23	Government College of Technology	1
24	CIT SANDWICH POLYTECHNIC COLLEGE	1
25	POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO COLLEGE OF ENGG AND TECH	1
26	Velammal Institute of Technology, Chennai 601204	2
27	MARTHANDAM COLLEGE OF ENGG AND TECHNOLOGY	1
28	ARJ college of engineering and technology	4
29	K Ramakrishnan college of Technology	7
30	Pallavi Engineering college	1
31	E.G.S Pillay Engineering College	6
32	Lakshmi ammal polytechnic college	100
33	Government College of engineering,thanjavur	45
34	SRI.S.RAMASAMY NAIDU MEMORIAL POLY COLLEGE,SATTUR.	2
35	M.KUMARASAMY COLLEGE OF ENGINEERING, KARUR.	1
36	SSSUTMS	1
37	Morning Star polytechnic College	5
38	Kalasalingam Academy Of Research And Education	1
39	National Institute of Technology, Trichy	1
40	Pastor lenssen polytechnic college, Tirunelveli	2
41	Noida Institute of Engineering and Technology Greater Noida	1
42	Pragati engineering college	1
43	Hitkarini College of Engineering & Technology, Jabalpur	3
44	Anna university	4

93	Mohamed Sathak Engineering College	1
94	TAGORE INSTITUTE OF ENGG AND TECH, Attur, Salem DT	1
95	Nehru College of Management	1
96	CIT SANDWICH POLYTECHNIC COLLEGE	2
97	Mahatma Gandhi Chitrakoot Gramodaya Vishvavidhyalaya Chitrakoot India	1
98	Dr. Mahalingam College of Engineering and Technology	1
99	Meenakshi Academy of Higher Education and Research	1
100	TRICHY ENGINEERING COLLEGE	1
101	VSVN POLYTECHNIC COLLEGE, VIRUDHUNAGAR	1
102	S. V. R. Engineering College	1
103	ANNAMALAI UNIVERSITY	1
104	Svr engineering college	1
105	KONERU LAKSHMAIAH UNIVERSITY	1
106	KL UNIVERSITY	1
107	SNS COLLEGE OF TECHNOLOGY	1

List of Attended Participants

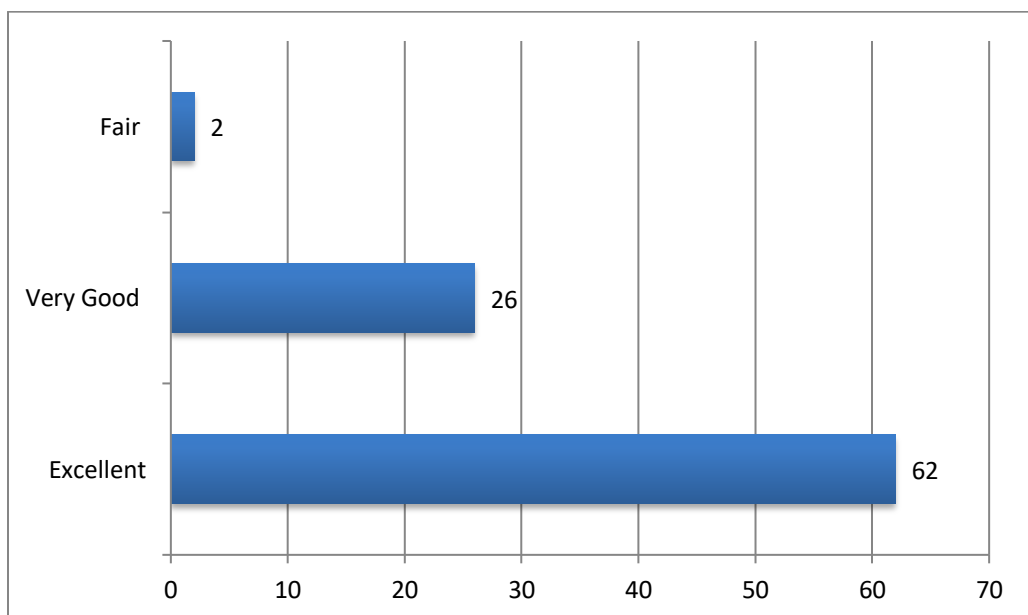
SN	Name
1	RAM VIGNESH B
2	M.Vinodhini
3	VIVEKNIJANTHAN L
4	JOTHI PALAVESAM .P
5	Dr.J.JEEVAMALAR
6	A V A R DURGA RAO
7	M.Vignesh
8	RAM VIGNESH B
9	Aswin M
10	S.MURUGANANTHAM
11	A V A R DURGA RAO
12	SUSHEEL S
13	VIVEKNIJANTHAN L
14	KARTHIKEYAN S R
15	Mr.S.KANAGASABAI
16	C.John Selvaraj
17	Ravi Engineer
18	P.Sibbi Raj
19	KANAGASABAI S
20	Bhavesh Patel
21	Arulmozhi N
22	R.Ajithkumar
23	EMANDI MAHIPAL
24	Meeraja.N
25	JAYABALAJI S
26	Bharat Patel
27	Jinal Patel
28	S.Lakshmanan

77	Manoj.S
78	Kaleeshvaran.S
79	SAKTHIVEL M
80	R. Vinoth Kumar
81	ARAVINTH S
82	Galanki Ravali
83	SRIBANRAJ M
84	SRIBANRAJ M
85	MUTHUKUMARAN D
86	C.N.MURUGANANDAM
87	SASIKUMAR A
88	Dr T SHANTHI
89	Dr.R.Sri Siva
90	Dr. A.Palanisamy

Feedback questions and responses

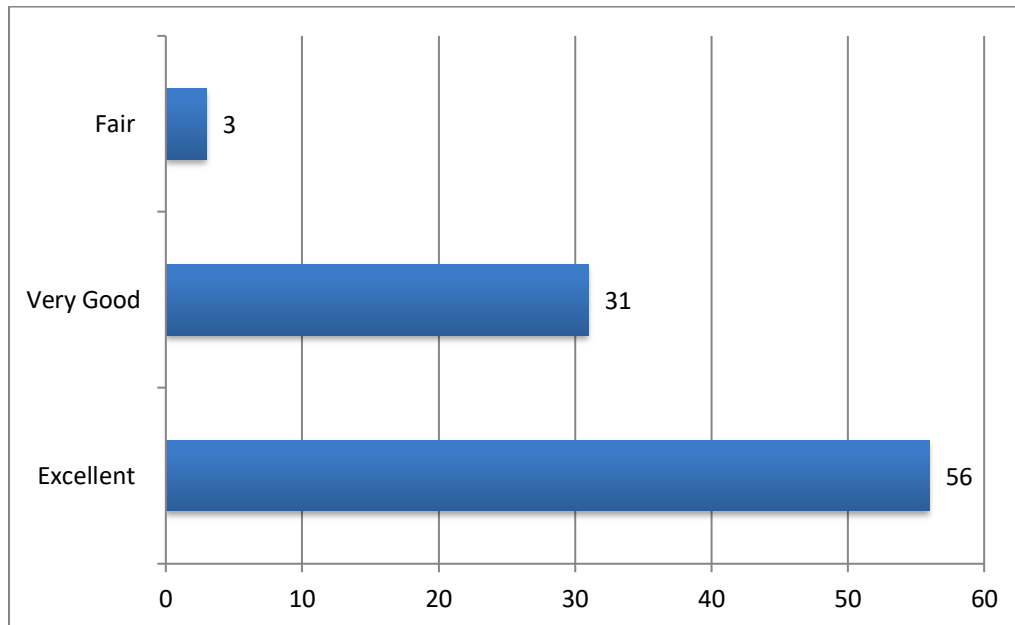
1. How satisfied were you with the session content?

Excellent	Very Good	Fair
62	26	2



4. Overall feedback for the event?

Excellent	Very Good	Fair
56	31	3



Coordinator
(Dr.P.P.Shantharaman)

HOD/Mechanical
(Dr.T.Pushparaj)

Principal
(Dr.J.Arputha Vijaya Selvi)



DEPARTMENT OF MECHANICAL ENGINEERING

ACADEMIC YEAR 2019-20 / EVEN SEMESTER

WEBINAR REPORT

The Department of Mechanical Engineering and Research & Development section had jointly organized a National level webinar through online mode on “**Fundamentals of Product Design**” on **23.05.2020** at **11.00 a.m. to 12.30 p.m.** Welcome address was given by **Dr. T. Pushparaj**, Head of the Department / Mechanical, Kings College of Engineering.

Resource person **Dr.N.L.Parthasarathi**, Scientific officer, IGCAR, Chennai, was introduced by **Dr. P. P. Shantharaman**, Professor/Mechanical, Kings College of Engineering. The resource person had given the lecture on “**Fundamentals of Product Design**”. In his lecture, he explained about the Wire framing apps, Graphic design apps, Prototyping tools, Research and data analytics tools (e.g., spreadsheets, sophisticated A/B testing apps), CAD (computer aided design) software, Project management apps (e.g., Trello) and Product roadmap apps (e.g., Product Plan)

In this webinar, **520** participants in **121** colleges have been registered from various institutions. Among these, **337** participants from various Engineering College, polytechnic college and Arts College have attended the webinar. Vote of thanks was given by **Mr.M.Melwin J Sridhar**, AP/Mechanical. Kings College of Engineering.

All the attended participants gave their feedback after the session and E-certificate have been sent to them through email.

Webinar Brochure



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19th Year of Academic Excellence

Department of Mechanical Engineering and Research & Development Section

Presents
Webinar on
Fundamentals of Product design
on 23-05-2020 | Saturday @ 11.00 am


Resource Person:
Dr.N.L.Parthasarathi,
Scientific officer,
IGCAR, Kalpakkam,
Chennai.

Last date for Registration: 22.05.2020

For any Queries Please Contact
Dr.P.P.Shantharaman, Assoc.Prof/Mech
9944876644
Mr.R.Shankar, Asst.Prof/Mech
8248866861
Mr.M.Melwin J Sridhar, Asst.Prof/Mech
9994748951

E-Certificate will be provided
Registration Link:
<https://forms.gle/puyf2tEgYDQeH5K7>
* Meeting link will be shared through email.

<https://www.facebook.com/KingsCollegeofEngineering/>

Participation Certificate – Sample Copy



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Punalkulam, Gandarvakottai Taluk, Pudukkottai District - 613 303.

CERTIFICATE

This is certify that
R.BASKAR
JANSON'S INSTITUTE OF TECHNOLOGY

has participated in the Webinar on "Fundamentals of Product Design" by Dr.N.L.Parthasarathi, Scientific officer, IGCAR, Chennai, on 23rd May 2020, Organized by Department of Mechanical Engineering and Research & Development Section, Kings College of Engineering, Punalkulam-613303.

R&D Convenor
Dr.P.P.Shantharaman

HOD
Dr.T.Pushparaj

Principal
Dr.J.Arputha Vijaya Selvi

KEE-Mech-W2-2020008

List of Attended Participants

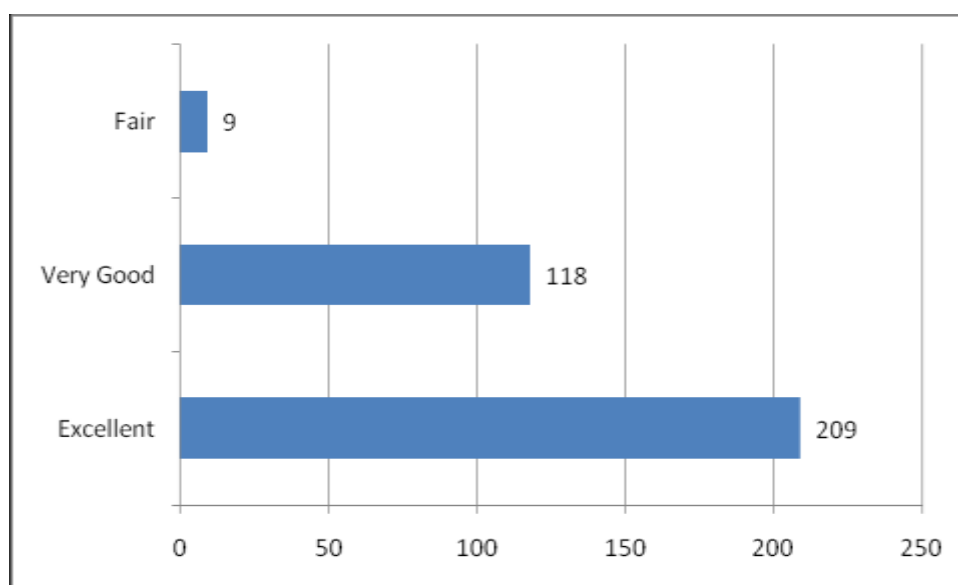
S.No	Name of the Institute/Organisation	Number of participants
1	A.R.J College of Engineering And Technology	7
2	Aalim Muhammed Salegh College of Engineering	2
3	Aditya Ins. Of Tech And Mgt Tekkali	1
4	Aits College	1
5	Amrita Institue of Engineering	2
6	Andhra University College of Engineering (A)	1
7	Anna University College Of Engg Thirukkuvalai	1
8	Annamacharya Ins of Tech Tirupati	7
9	Arasu Engineering College	1
10	Avs College Of Technology	1
11	Cai College Of Engineering	1
12	Christ College of Engineering, Irinjalakuda	1
13	Christ The King Engineering College	2
14	Cit Sandwich Polytechnic College	1
15	Dhanalakshmi Srinivasan Engg College Perambalur	1
16	Dktes Tei	1
17	E. G. S. Pillay Engg. College	8
18	Er.Perumal Manimekalai College Fo Engineering	4
19	Ghss.Sanarpatti.624304., Dindigul	2
20	Government College Of Technology, Coimbatore.	1
21	Government Degree College J&K	1
22	Government Engineering College Valsad Gujarat	1
23	Holy Cross Home Science College, Thoothukudi.	1
24	Hyderabad Institute Of Technology And Management	2
25	Ibra College Of Technology, Ibra, Oman	1
26	Ifet College Of Engineeing	13
27	Institute of Aeronautical Engg,(Iare), Hyderabad	1
28	Jansons Institute of Technology	8
29	Jeppiaar Institute of Technology	1
30	K Ramakrishnan College	4
31	K S R Polytechnic College	3
32	K.L.N. College of Engineering	1
33	K.S.K College of Engg And Tech,	4
34	K.S.Rangasamy College Of Technology	1
35	Kalasalingam Academy Of Research And Education	2

106	Swarnandhra College Of Engg. Tech.	1
107	Syed Ammal Engineering College, Ramanathapuram	1
108	Tagore Institute Of Engineering And Technology	2
109	Tamil Nadu Teachers Education University, Chennai.	1
110	Thandai Periyar Government Institute Of Technology	1
111	Thanthai Roever Arts And Science College	1
112	The Kavery Engineering College	1
113	Thiagarajar Polytechnic College	1
114	Trichy Engineering College	2
115	Uce Pattukkottai,Rajamadam	1
116	Vel Tech R&D Institute Of Science And Technology	2
117	Velammal Institute of Technology, Chennai 601204	1
118	Vellalar College For Women	1
119	Vignan's Institute Of Information Visakhapatnam	1
120	VIT	2
121	Vsvn Poly College, Virudhunagar	1

Feedback questions and responses

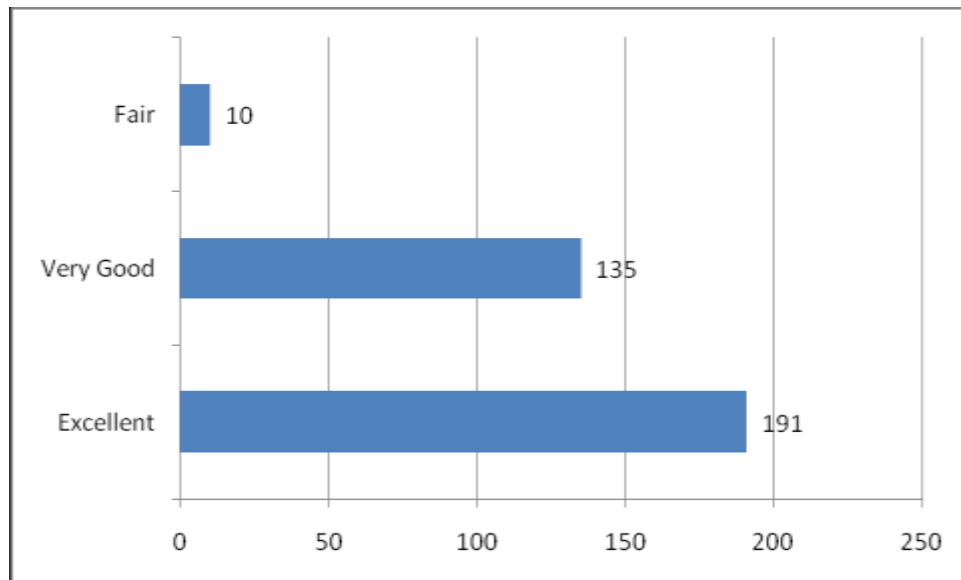
1. How satisfied were you with the session content?

Excellent	Very Good	Fair
209	118	9



4. Overall feedback for the event?

Excellent	Very Good	Fair
191	135	10



Coordinator
(Dr.P.P.Shantharaman)

HOD/Mechanical
(Dr.T.Pushparaj)

Principal
(Dr.J.Arputha Vijaya Selvi)

Professional Society Activity

Department of Mechanical Engineering

Title: A Seminar presentation on “Welding and its opportunities”.

Date: 24th July 2018

Description about the Seminar

Welding is one of the oldest materials processing technologies, but still an ever green technology, which has evolved day by day. The modern industrial scenario has proven that welding is inevitable to produce any product. Starting from space crafts, automobiles, mobile phones and even a small pen drive uses any one of the welding or its allied processes. The main aim of the seminar is to introduce this technology and provide an in-depth knowledge about the trends in the field of welding technology. The seminar served as an opportunity to promote welding technology which remains the most critical for industrial sectors required to assure long-term reliability across applications such as Fabrication of Building, Bridges, Process Plant Equipment, Manufacturing of Automobiles, Railways, and Ships. The seminar served as a platform to promote Japan’s latest high-precision welding technology into India. Application of advanced intelligent welding machines which synergise with the Skill of Welders to achieve superior Quality Welds with higher productivity, as being the next big thing of the future for Indian industry.



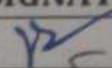


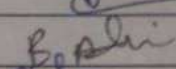
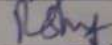
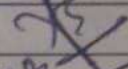





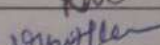


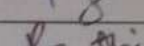
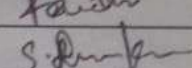
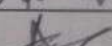
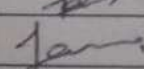
T. R. Ramesh

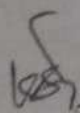
HoD/Mechanical

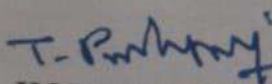
KINGS COLLEGE OF ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING
ACADEMIC YEAR 2018-19
PROGRAMME ATTENDANCE LIST

Date: 24/7/18

Programme name: Seminar on welding and oppurtunities

SNO	STAFF NAME	SIGNATURE
1	Dr.T.Pushparaj	
2	Mr. G. Mathivanan	
3	Mr.P.P.Shantharaman	
4	Mr.B.Adhichelvan	
5	R.Shankar	
6	H.Agilan	
7	V.Vijayakumar	
8	N.Magesh	
9	Mr. N. Anantharaman	
10	Mr. J. Prabakaran	
11	Mr. R. Suriyamurthy	
12	Mr.V.Vinothkannan	
13	M.Melwin Jagatheesh Sridhar	
14	Mr. R. Arun	
15	J.Rajaparthiaban	
16	Mr.S.Rajeshkumar	
17	Mr. M. Ashwin	
18	Mr. J. Prince Jerome Christopher	


 24/7/18
COORDINATOR


HOD/MECH



DEPARTMENT OF MECHANICAL ENGINEERING
INDIAN SOCIETY OF MECHANICAL ENGINEERS (ISME)
REPORT

In our Department of Mechanical Engineering, under the Indian Society of Mechanical Engineers (ISME), a Guest Lecture conducted in **Heat and Mass Transfer and It's Applications** by Dr.S.Kumaragurbaran AP/TCE Madurai on 30/07/2016 in our college. This resource person explained about the available Heat Transfer methods and its technical facts. This Guest Lecture is very useful to our mechanical engineering III year students. In this event totally 104 students participated.



Lecture by Dr.S.kumaragurbaran to the III year MECH students.

ISME Coordinator

HOD/MECH

R. Suriyamurthy / 28.07.16

T. Pushparaj




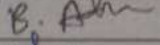
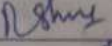
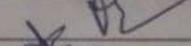



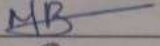



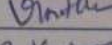
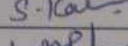



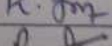
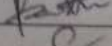


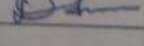
(R.SURIYAMURTHY)

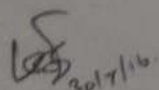
(Dr.T.PUSHPARAJ)

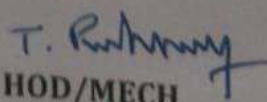
KINGS COLLEGE OF ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING
ACADEMIC YEAR 2016-17
PROGRAMME ATTENDANCE LIST

Date: 30/7/2016

Programme name: Guest lecture on Heat transfer and its applications

SNO	STAFF NAME	SIGNATURE
1	Dr.T.Pushparaj	
2	Mr. G. Mathivanan	
3	Mr.P.P.Shantharaman	
4	Mr.B.Adhichelvan	
5	Mr.R.Shankar	
6	Mr.V.Vijayakumar	
7	Mr.H.Agilan	
8	Mr.N.Magesh	
9	Mr. N. Anantharaman	
10	Mr. M. Babu	
11	Mr. J.Prabakaran	
12	Mr. D. Yogendran	
13	Mr. R. Suriyamurthy	
14	Mr. V. Vinoth Kannan	
15	Mr. S. Karikalan	
16	Mr. V. Brahadeeshwaran	
17	Mr.M.Melwin Jagatheesh Sridhar	
18	Mr. M.Pradeep	
19	Mr. K. Jothibasu	
20	Mr.J.Rajaparthiban	
21	Mr. R. Arun	
22	Mr. M. Santhosh Kumar	
23	Mr. A. Dimil Alexander	


30/7/16
COORDINATOR


T. R. Ramesh
HOD/MECH



DEPARTMENT OF MECHANICAL ENGINEERING INDIAN SOCIETY OF MECHANICAL ENGINEERS (ISME) REPORT

In our Department of Mechanical Engineering, under the Indian Society of Mechanical Engineers (ISME), a Guest Lecture conducted in **Advanced IC Engines** Dr.A.Samuel Raja AP/TCE Madurai on 30/07/2016 in our college. This resource person explained about the recent technology developed in internal combustion engines. This Guest Lecture is very useful to our mechanical engineering IV year students. In this event totally 116 students were participated.



Lecture by Dr.A.Samuel Raja to the IV MECH students.

ISME Coordinator

R. Suriyamurthy / 28.07.16

(R.SURIYAMURTHY)

HOD/MECH



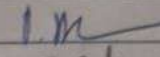
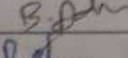
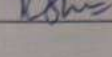
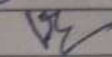


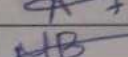
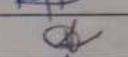



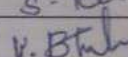
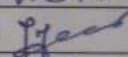
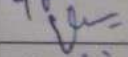
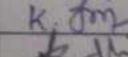

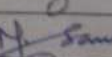
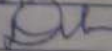



T. Pushparaj


(Dr.T.PUSHPARAJ)

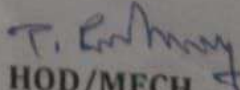
KINGS COLLEGE OF ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING
ACADEMIC YEAR 2016-17
PROGRAMME ATTENDANCE LIST

Date: 30/7/2016

Programme name: Guest lecture on Advanced IC Engines

SNO	STAFF NAME	SIGNATURE
1	Dr.T.Pushparaj	
2	Mr. G. Mathivanan	
3	Mr.P.P.Shantharaman	
4	Mr.B.Adhichelvan	
5	Mr.R.Shankar	
6	Mr.V.Vijayakumar	
7	Mr.H.Agilan	
8	Mr.N.Magesh	
9	Mr. N. Anantharaman	
10	Mr. M. Babu	
11	Mr. J.Prabakaran	
12	Mr. D. Yogendran	
13	Mr. R. Suriyamurthy	
14	Mr. V. Vinoth Kannan	
15	Mr. S. Karikalan	
16	Mr. V. Brahadeeshwaran	
17	Mr.M.Melwin Jagatheesh Sridhar	
18	Mr. M.Pradeep	
19	Mr. K. Jothibasu	
20	Mr.J.Rajaparthiban	
21	Mr. R. Arun	
22	Mr. M. Santhosh Kumar	
23	Mr. A. Dimil Alexander	


30/7/16
COORDINATOR

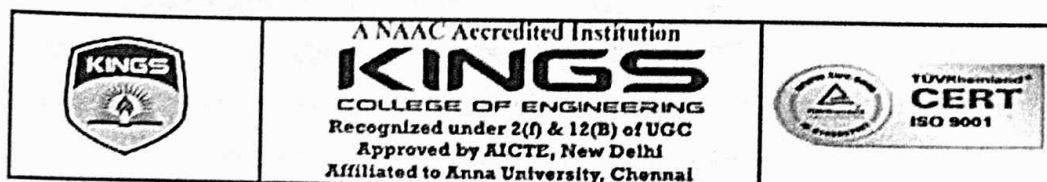

HOD/MECH



DEPARTMENT OF MECHANICAL ENGINEERING

6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years

Academic Year	Event	Page Number
2020-21	National level Technical Symposium in Mechanical Mech-O-Drone 2020	02
	National Conference on Energy & Manufacturing Scenario - 2021	10
2019-20	National Level Technical Symposium in Mechanical ECHANTRA'19	18
2018-19	National Level Technical Symposium In Mechanical MEUS-2K18	23
	National Conference on Recent Advances in Mechanical Engineering-2019	29
2017-18	National Level Technical Symposium In Mechanical SPARCIENT-2K18	36
	National Conference on Emerging Trends in Mechanical Engineering- 2018	41
2016-17	National Level Technical Symposium In Mechanical SPARCIENT-2K16	49
	National conference on Recent Advances in Mechanical Engineering - 2016	54



A National Level Technical E-Symposium

(MECH 'O' DRONE 2020)

01st OCTOBER 2020

SYMPOSIUM REPORT

Organized by

**Department of Mechanical Engineering
Kings College of Engineering
Punalkulam – 613303,
Pudukkottai Dt.**

SYMPOSIUM REPORT

Mechanical Engineering Association (MEA) of Mechanical Engineering Department, Kings College of Engineering organized one day National Level Technical E-Symposium “MECH ‘O’ DRONE 2020” on 01st October 2020 for the Mechanical Engineering students.

The entire function was conducted through Google Meet online platform. A very good technical support was rendered by Student Organizers R.Mohd Yasin Sheriff and D.Thiruppugazh from final year Mechanical Engineering with a team of student volunteers.

LIST OF CO-ORDINATORS

S.NO	EVENT NAME	STAFF CO-ORDINATORS	STUDENT CO-ORDINATORS	YEAR
1	PAPER PRESENTATION	Dr.P.P.SHANTHARAMAN Mr.J.RAJAPARTHIBAN	S.KABILAN	IV MECH-A
			RUBAN.S	IV MECH-B
			R.KARTHIKEYAN	III MECH
			PRIYADHARSAN L	II MECH
2	CONNECTIONS	Mr.S.SABANAYAGAM	S.ABBAS MOHAMMED	IV MECH-A
			SENTHAMIL PRIYAN B D	IV MECH-B
			S.SURYA	III MECH
			R.KISHORE	II MECH
3	TECH QUIZ	Mr.B.RAM VIGNESH	P.ENOCH EBENEZER	IV MECH-A
			DINESH E	IV MECH-B
			S.TAMILARASAN	III MECH
			S.DEEPANRAJ	II MECH
4	PHOTO FEST	Mr.S.KARTHI	D.MADHESH	IV MECH-A
			SENTHAMIZSUDAR K	IV MECH-B
			FAZIL AHAMED.S	III MECH
			P.GUNAL	II MECH

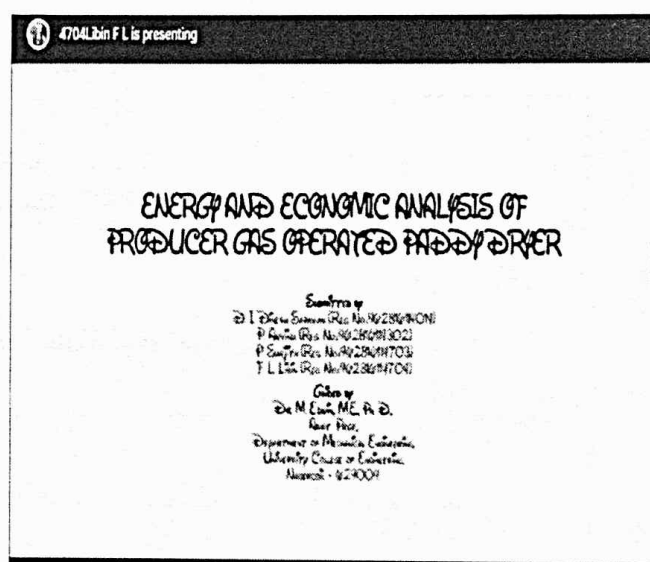
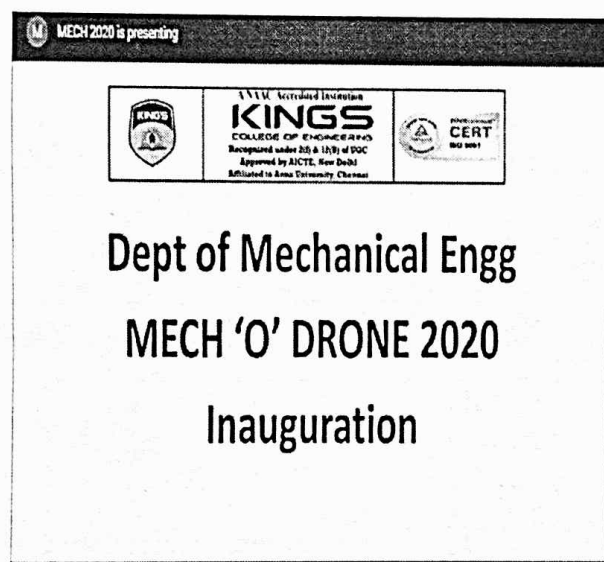
The inaugural session of MECH ‘O’ DRONE was started with the welcome address by Dr.T.PUSHPARAJ, Head of the Department, who explained about the significance of that meeting and Mr.R.Shankar, AP/Mech introduced the chief guest Dr.D.Jeyasimman, Head of the Department, Department of Mechanical Engineering, Periyar Maniammai Institute of science and Technology, Vallam was the chief guest and he delivered special address to the participants.

EVENT NO 1: PAPER PRESENTATION:

The paper presentation was organized by the student members. Dr.PP.Shantharaman, ASP/Mech and Mr.J.Rajaparthiban, AP/Mech acted as Juries for this event. 30 papers from various institutions were scrutinized and selected for presentation. The list of prize winners in paper presentation are given below

Sno	Name of the student	College belong to	Place
1	FL. Libin	University College of Engineering, Nagercoil	I
2	E.Santhosh	Parisutham Institute of Tech & Science, Thanjavur	II
3	R.Mohd Yasin sheriff	Kings college of Engineering, Thanjavur	III

Screenshots of the event

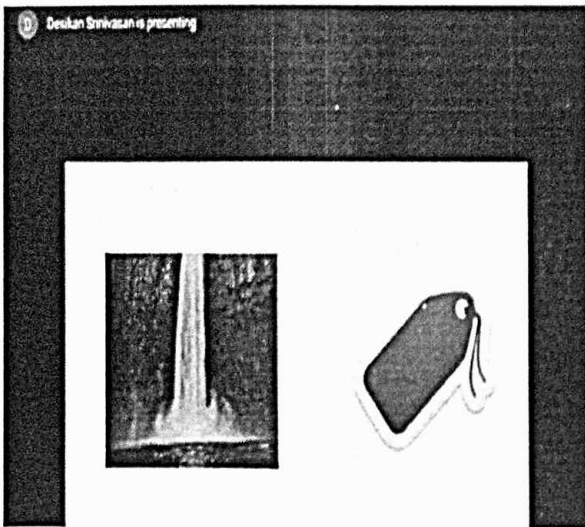


EVENT NO 2: CONNECTIONS:

The connections event was organized by student members and coordinated by Mr.S.Sabanayagam, AP/Mech and Mr.S.Desikan, AP/Mech. In this event 28 students from 6 colleges participated. Event was successfully completed. Depending upon their merits the following Students were awarded prizes

SNo	Team	Name of the Student	Place Obtained
1	Team 4	Syed Usman Ali M	I place
2		Vigneshwaran J	
3		Kabilan S	

Screenshots of the Event:

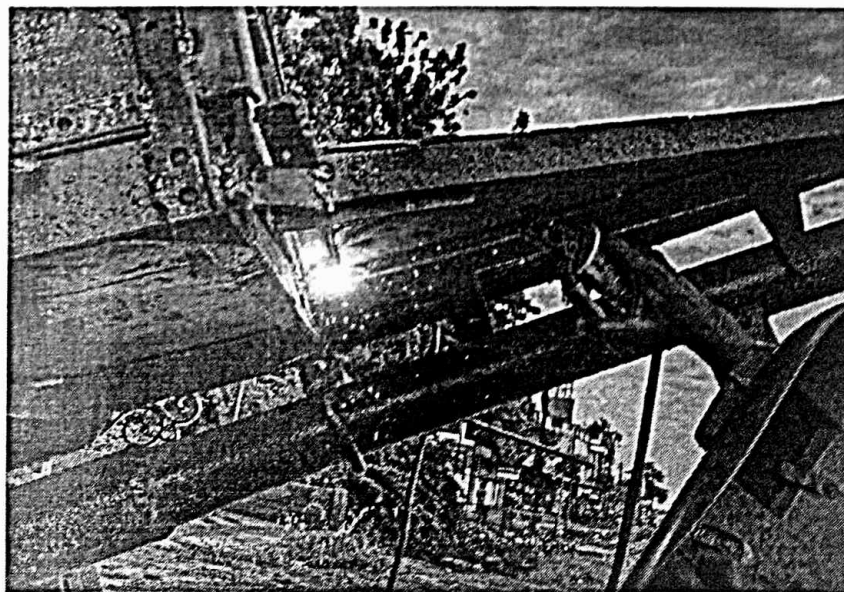


EVENT NO 3: PHOTO FEST:

The Photo fest event was organized by Mr.S.Karthi, AP/Mech with 18 students from various Institutions on the topic of “Machine & Men”. List of winners are as follows

Sno	Name of the student	College belong to	Place
1	G.Aakash	Arasu Engineering College, Kumbakonam	I
2	L.Priyadharsan	Kings college of Engineering, Thanjavur	II
3	M.Ramkumar	Kings college of Engineering, Thanjavur	III

Winning photo on the title “Machine & Men”



EVENT NO 4: TECHNICAL QUIZ:

The Technical quiz event was conducted by Mr.B.Ram Vignesh, AP/Mech about 39 students from various institutions actively participated in this event. The list of prize winners are given below

Sno	Name of the student	College belong to	Place
1	Jovin Chacko	Jawaharlal college of Engineering & Tech, Palakkad	I
2	Manimaran K	Ayya Nadar Janaki Ammal College, Sivakasi	II
3	M.S Taha Yaseen Salih	University of Anbar, Iraq	III

VALEDICTION

The National Level Technical Symposium "MECH 'O' DRONE 2020" came to an end with the valedictory function at 3.00 pm on the same day. Dr.T.PUSHPARAJ HoD/MECH, delivered valedictory address. Mr.S.Desikan, AP/Mech summarized the symposium report and announced the winners in the technical events. Finally Mr.M.Sakthivel, AP/Mech delivered the vote of thanks and the function was successfully completed with National Anthem.

Symposium poster

KINGS
COLLEGE OF ENGINEERING
NAAC Accredited & ISO Certified Institution
Recognized by UGC under 2(F) & 12(B)
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Puducherry, Gounderpettal Taluk, Pudukkottai District - 615 005.

INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD initiative)

01ST OCT 2020

Department of Mechanical Engineering
Proudly Presents
NATIONAL LEVEL TECHNICAL E-SYMPOSIUM
MECH 'O' DRONE 2020

TECH EVENTS:
• PAPER PRESENTATION
• TECHNICAL QUIZ

NON-TECH EVENTS:
• CONNECTIONS
• PHOTO FEST

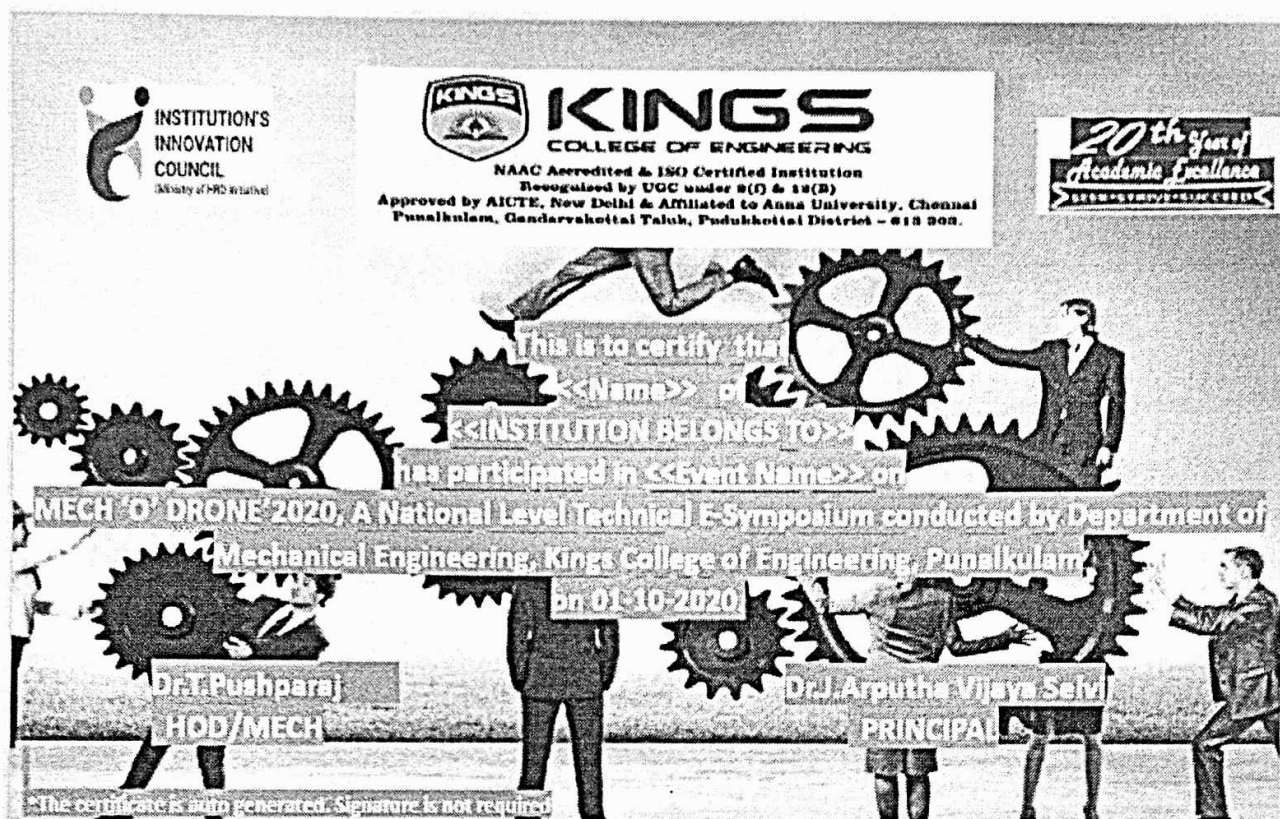
REGISTRATION LINK: <https://forms.gle/m9qY1qTFW6f7q5698>

S.Desikan, AP/Mech, ORGANIZER - 9578098943
M.Sakthivel, AP/Mech, ORGANIZER - 9791521437

FOR QUERIES:
R.Mohd Yasin Sherin, Student Organizer - 9790153350
R.Thirupugazh, CO-Organizer - 9952582338

Dr.T.Pushparaj, ME., Ph.D.,
HoD/MECH

Sample certificate



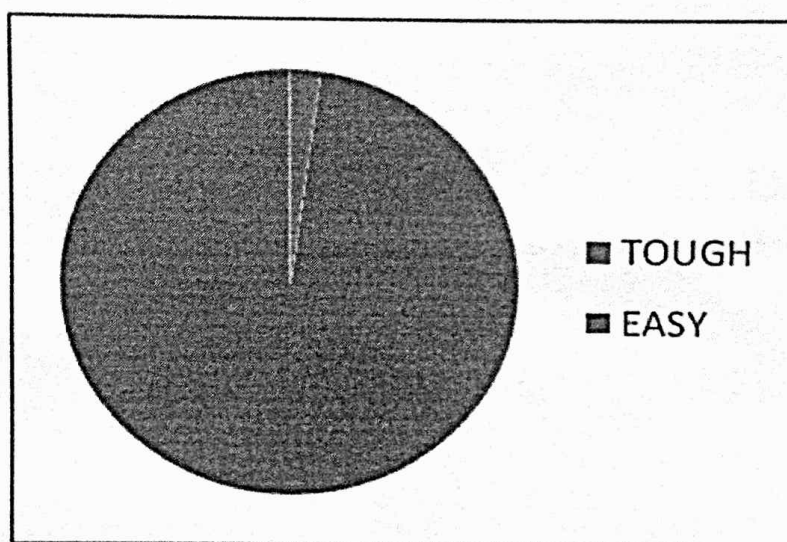
List of Institutions Participated with Students count

Sno	Name of the college	Count
1	ANJALAI AMMAL MAHALINGAM ENGINEERING COLLEGE, TIRUVARUR	2
2	ANNA UNIVERSITY, VILLUPURAM	2
3	ANNAI COLLEGE OF ENGG & TECH, KUMBAKONAM	2
4	JAWAHARLAL NEHRU COLLEGE OF ENGG & TECH, PALAKKAD	1
5	ARASU ENGINEERING COLLEGE, KUMBAKONAM	4
6	AYYA NADAR JANAKI AMMAL COLLEGE, SIVAKASI	1
7	UNIVERSITY OF ANBAR, IRAQ	1
8	DHANALAKSHMI SRINIVASAN INSTITUTE OF TECHNOLOGY, PERAMBALUR	1
9	HARINGHATA MAHAVIDYALAYA, WEST BENGAL	1
10	KALASALINGAM INSTITUTE OF TECHNOLOGY, SRIVILLIPUTHUR	2
11	KONGUNADU COLLEGE OF ENGINEERING AND TECHNOLOGY, TRICHY	1
12	MIET ENGINEERING COLLEGE, TRICHY	2
13	NANDHA ENGINEERING COLLEGE, ERODE	1
14	PARISUTHAM INSTITUTE OF TECHNOLOGY AND SCIENCE, THANJAVUR	3
15	PERIYAR MANIAMMAI INSTITUTE OF SCIENCE AND TECHNOLOGY,	1

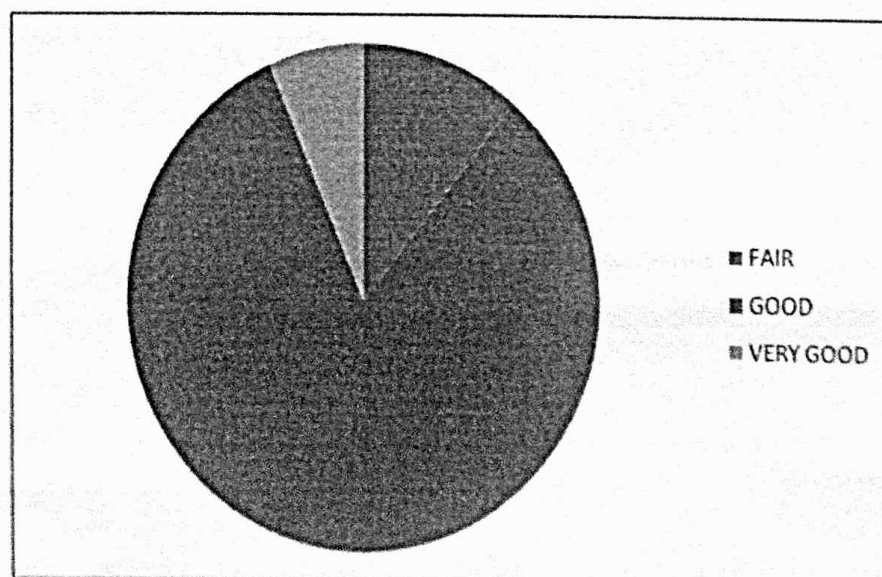
	VALLAM	
16	RAJALAKSHMI INSTITUTE OF TECHNOLOGY, CHENNAI	1
17	SRM INSTITUTE OF SCIENCE & TECH, CHENNAI	1
18	UNIVERSITY COLLEGE OF ENGINEERING NAGERCOIL	2
19	VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY, KERALA	1
20	VIVEKANANDA COLLEGE OF ENGINEERING & TECHNOLOGY, KARNATAKA	1
	EXTERNAL PARTICIPANTS TOTAL	31
21	KINGS COLLEGE OF ENGINEERING	60
	TOTAL	91

Feedback from the participants

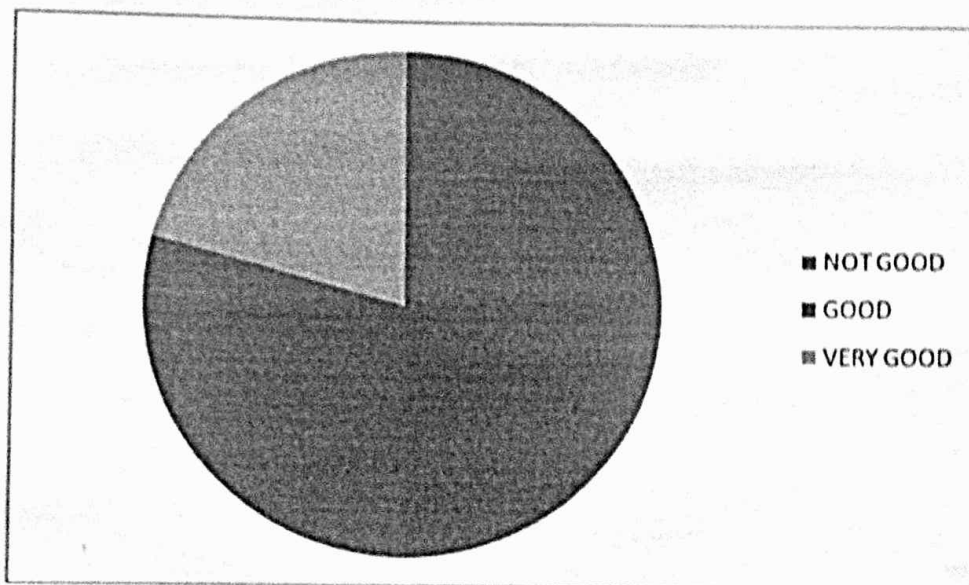
1. How do you feel about the registration process?



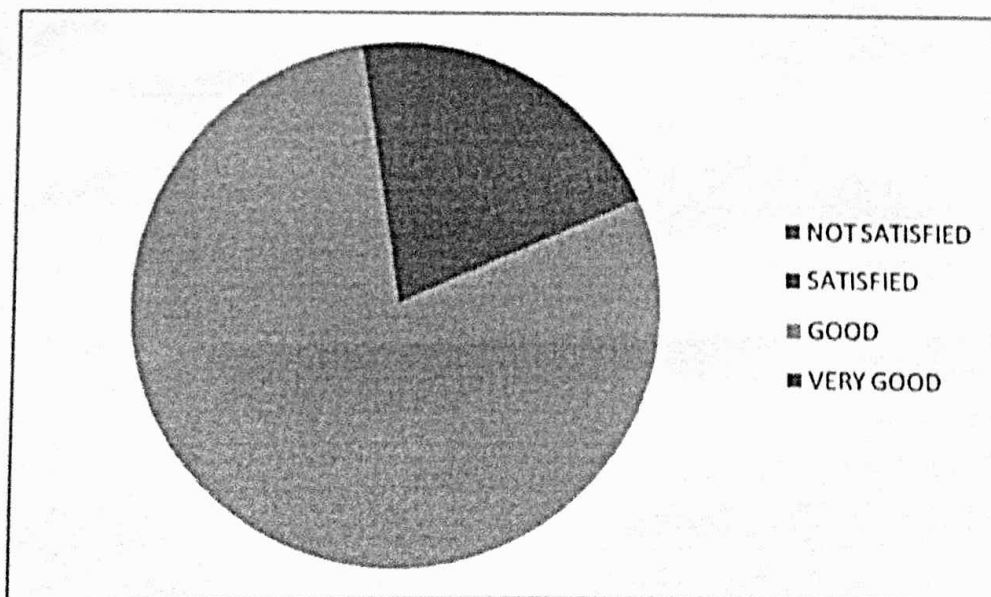
2. What is your opinion about the content of the papers presented?



3. What do you feel about the quality of audio and visual feed throughout the online programme?



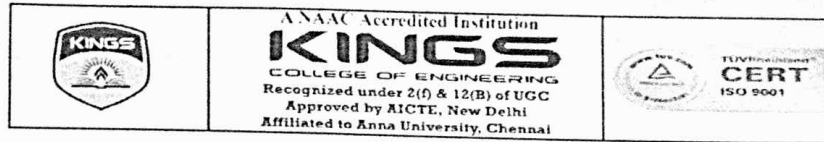
4. Your opinion about overall progress of this event.



All the events have been recorded and published in college YouTube channel with running time of 60 minutes. The YouTube link is: <https://youtu.be/nehbOIMsM2E>

Staff Co-ordinator

Head of the Department



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 31st 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

<u>ADVISORY COMMITTEE</u>	<u>TECHNICAL COMMITTEE</u>
<ul style="list-style-type: none"> ➤ Dr.K.R.Balasubramanian, NIT, Trichy. ➤ Dr.A.Mani, IIT, Chennai. ➤ Dr.K.Panneerselvam, NIT, Trichy. ➤ Dr.S.R.Pandiyan, IIITDM, Kanchipuram. ➤ Dr.V.Balasubramaniam, Annamalai University, Chidambaram. ➤ Dr.S.Sivasankar, GCE, Thanjavur. ➤ Dr.T.Sekar, GCE, Salem. ➤ Dr.G.Rajamohan, SASTRA, Thanjavur. ➤ Dr.S.Chockalingam, EGSPEC, Nagapattinam. ➤ Dr.N.Baskar, SCE, Trichy. ➤ Dr.P.K.Srividhya, PMIST, Thanjavur. ➤ Dr.M.Ravichandran, KRCE, Trichy. ➤ Dr.K.Balasubramaniam, Bharath University, Chennai. ➤ Dr.A.Palanisamy, SEC, Erode. ➤ Dr.T.Rajeshkanna, AAMEC, Kovilvenni. ➤ Dr.T.Balamurugan, AEC, Kumbakonam. ➤ Dr.M.Thilak, SRM-TRPEC, Trichy. ➤ Dr.M.Suresh, SSNCE, Chennai. 	<ul style="list-style-type: none"> ➤ Dr.K.Srinivasareddy, IIT, Chennai. ➤ Dr.K.Senthilkumaran, IIITDM, Kanchipuram. ➤ Dr.J.Jerald, NIT, Trichy. ➤ Dr.D.Leninsingaravelu, NIT, Trichy. ➤ Dr.U.Natarajan, ACTECH, Karaikudi ➤ Dr.S.Periyasamy, GCT, Ciombatore. ➤ Dr. N.Senthilkumar, NIT, Pudhuchery. ➤ Dr.K.Kannan, AAMEC, Kovilvenni. ➤ Dr.D.Sreenivasan, KRCE, Trichy. ➤ Dr.A.Naveen Sait, MIETEC, Trichy. ➤ Dr.S.Jaisankar, SLCET, Thanjavur. ➤ Dr.M.Prabhakar, SRM-TRPEC, Trichy. ➤ Dr.D.Prakash, SASTRA, Thanjavur. ➤ Dr.G.Elatharasan, UCE, AU Pattukottai. ➤ Dr.D.Jayasimman, PMIST, Thanjavur ➤ Dr.A.Mercy Vasan, SCE, Trichy. ➤ Dr.S.Krishnamohan, EGSPEC, Nagapattinam. ➤ Dr.C.G.Saravanan, Annamalai University, Chidambaram. ➤ 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-~~WORK~~ OF THE 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

Wed, Mar 17, 2021 at 1:09 PM

To: srividya.aravazhi@gmail.com

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 <ncemsmech@gmail.com>

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]

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Thank You

With Regards

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

<https://mail.google.com/mail/u/2?ik=83b7456b57&view=pt&search=all&permthid=thread-a%3A3623102376135180266&simpl=msg-a%3A3623102376135180266> 1/2

CONFERENCE BROCHURE:

National Conference
on

Energy and Manufacturing Scenario – 2021

(Through online mode)

"NCEMS – 2021"

31st March 2021

Call for Papers



Organized by
Department of Mechanical Engineering
KINGS COLLEGE OF ENGINEERING

Recognized under 2(A) & 2(B) of UGC
& NAAC Accredited Institution, Approved by AICTE & Affiliated to Anna University
Punakulam, Pudukkottai Dist. -613 303.

ORGANIZING COMMITTEE

CHIEF PATRON
Dr. R. Rajendran, Secretary,

PATRON
Dr. J. Arputhan Vignay Selvi, Principal

CO PATRON
Dr. S. Sivakumar, Vice Principal

ORGANIZING CHAIR
Dr. T. Pushpaaji, HOD Mech

ORGANIZING SECRETARY
Dr. P. P. Shanthiraman, Asso. Prof / Mech
Mr. M. Melwin Jagadeesh Sridhar, AP Mech

ORGANIZING MEMBERS

Mr. R. Shankar	Mr. N. Magesh
Mr. H. Agilan	Mr. S. Subramanyam
Mr. M. Aswin	Mr. S. Desikan
Mr. M. Sakthivel	Mr. S. Nelson Raja
Mr. R. Rajadurai	

ADVISORY COMMITTEE

Dr. K. R. Balasubramanian, NIT, Trichy.
Dr. A. Mani, IIT, Chennai.
Dr. K. Pannierselvam, NIT, Trichy.
Dr. S. R. Pandeyan, IITDM, Kanchipuram.
Dr. V. Balasubramanian, Anna University, Chennai.
Dr. S. Sivasankar, GCE, Thanjavur.
Dr. T. Sekar, GCE, Salem.
Dr. G. Rajamohan, SASTRA, Thanjavur.
Dr. S. Chockalingam, IGSPEC, Nagapattinam.
Dr. N. Baskar, SCE, Trichy.
Dr. P. K. Sridhara, PMIST, Thanjavur.
Dr. M. Ravichandran, KRCE, Trichy.
Dr. K. Balasubramanian, Bharath University, Chennai.
Dr. A. Palanisamy, SEC, Erode.
Dr. T. Rajeshkumar, AAMEC, Kovilvenai.
Dr. I. Balasubramanian, AEC, Kumbakonam.
Dr. M. Thilak, SRM-TRPEEC, Trichy.
Dr. M. Suresh, SSNCE, Chennai.

TECHNICAL COMMITTEE

Dr. K. Srinivasareddy, IIT, Chennai.
Dr. K. Senthil Kumar, IITDM, Kanchipuram.
Dr. J. Jeyaraj, NIT, Trichy.
Dr. D. L. Srinivasareddy, NIT, Trichy.
Dr. U. Natarajan, ACETECH, Karaikal.
Dr. S. Periyasamy, GCE, Comblatore.
Dr. S. Senthil Kumar, NIT, Puducherry.
Dr. K. Kannan, AAMEC, Kovilvenai.
Dr. D. Sreenivasan, KRCE, Trichy.
Dr. A. Naveen Sath, MEETEC, Trichy.
Dr. S. Jeyaraj, SCE, Thanjavur.
Dr. M. Prabhakar, SRM-TRPEEC, Trichy.
Dr. D. Prakash, SASTRA, Thanjavur.
Dr. G. Elathasari, UCE, AI, Pattukkottai.
Dr. D. Jayaraman, PMIST, Thanjavur.
Dr. A. Mercy Vasu, SCE, Trichy.
Dr. S. K. Narayanan, IGSPEC, Nagapattinam.
Dr. C. G. Saravanan, Anna University, Chennai.
Dr. R. Ganesh, IIT, Thanjavur.
Dr. B. Suresh Kumar, KRCE, Trichy.

ABOUT THE INSTITUTION

Kings College of Engineering (KCE) is an institution which was founded with the single aim of providing quality education to the poor and underprivileged students of this region. KCE has been started during 2001 and run by Ray Educational Trust (RET). KCE is approved by All India Council of Technical Education (AICTE) New Delhi and is affiliated to Anna University, Chennai. KCE has acquired ISO certification by TUV, Rheinland, Germany, recognized under 2(a) & 12(b) of UGC and accredited by NAAC Five UG (B.E.) and four PG (M.E.) programmes are being offered.

The institution provides all basic and advanced amenities to the students and the faculty members as well. Utmost importance is given for quality education through modern teaching methodologies. Most modern and sophisticated laboratories, well qualified and experienced faculty members are the assets of the institution. The institution grows at a faster pace as it has a very sound management, willing to do everything needed for making it a great institution.

OUR DEPARTMENT

The department of Mechanical Engineering was started in the year 2006. The Department offers 4 year B.E. Degree Programme in 'Mechanical Engineering' and 2 year M.E. Degree Programme in 'Thermal Engineering'. The mission of the department is "to educate students to become globally competent". The department shares the mission and vision of the institution in imparting quality education to the students. The department has well established laboratories to provide practical exposure to the students and dedicated faculty team.

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. The NCEMS-2021 significantly benefits a wide variety of academic and industrial sectors.

CONFERENCE THEMES

MANUFACTURING	ENERGY
• RPT TFA	• Thermal Engineering
• Unconventional Machining Processes	• Renewable Energy Management
• Welding & Casting	• Solar Energy
• Nano Technology	• Wind Energy
• Materials-Composites	• Advanced Heat Transfer
• CAD / CAM / CIM	• Tidal Energy
• Advanced Manufacturing Techniques	• Energy Storage Technologies
• Lean Manufacturing ANN	• Biomass Gasification

PAPER SUBMISSION

Original research and unpublished papers are invited in the above list of themes. The authors are requested to submit an abstract not exceeding one page. It should carry the name and address of the author(s) with their affiliation (including phone number and E-mail). The abstract may also be sent through E-mail (ncemsmech@gmail.com).

PAPER FORMAT

Size A4, Single column, maximum no. of pages not exceeding 8 pages, Times New Roman, 12 font size with 15 line spaces.

REGISTRATION

At least one author per paper and all other participants should register on or before the deadline. All delegates and authors will have to confirm their participation by online registration.

REGISTRATION FEE

UG / PG Students : Rs. 250
Research Scholars and Practicing Engineers : Rs. 500
R&D Personnel & Faculty members : Rs. 750
Registration fee includes Conference Kit, copy of the conference proceedings. Fee should be sent by Demand Draft in favor of 'The Principal, Kings College of Engineering' payable at Thanjavur. For details visit <http://www.kingsindia.net>

CONFERENCE PUBLICATION

Selected papers will be published in

- International Journal of Core Engineering and Management (IJCEM)
- International Journal of Trend in Scientific Research and Development (IJTSRD)
- International Journal of Engineering Science and Technology (IJEST)
- International Journal of Innovating Research in Science, Engineering and Technology (IJIRSET)
- International Journal of Advanced Research Trends in Engineering and Technology (IJARTET)

LOCATION

The college is located 15km from Thanjavur Railway station and 10km from Thanjavur New Bus Stand.

IMPORTANT DATES

Submission of abstract	17.03.2021
Notification of Acceptance	22.03.2021
Submission of full paper	29.03.2021
Conference Date	31.03.2021

ADDRESS FOR COMMUNICATION

The Organizing chair,
NCEMS 2021, Department of Mechanical Engg.,
Kings College of Engineering, Punakulam 613303
Tel : 04362 282474
Web : www.kingsindia.net
Email : ncemsmech@gmail.com

CONTACT NUMBERS

Dr. T. Pushpaaji	9894484058
Dr. P. P. Shanthiraman	991876644
Mr. M. Melwin Jagadeesh Sridhar	9994748951

REGISTRATION FORMAT

Participants are requested to retype the given format and send it by post or by email.

National Conference on Energy and Manufacturing
Scenario - 2021 (NCEMS 2021)
(Reg. Link: <https://forms.gle/gopdS7meP1esc15w5>)

Full Name _____
Designation _____
Organization _____
Address _____
Phone(Off) _____
Phone(Res) _____
Email _____
Fee Details _____
DD for Rs. _____ DD Number _____
Date _____ Name of the Bank _____

Registration Category: Post Graduate students / Researchers / Practicing Engineers / R & D Personnel

Signature of the Applicant _____
Signature of the Sponsoring Authority with seal _____

CONFERENCE INVITATION:

ANNAAC Accredited Institution
KINGS
 COLLEGE OF ENGINEERING
 Recognized under 2(f) & 12(B) of UGC
 Approved by AICTE, New Delhi
 Affiliated to Anna University, Chennai

20th year of
 Academic
 Excellence

INVITATION

**NATIONAL CONFERENCE ON
 ENERGY AND MANUFACTURING SCENARIO
 (NCEMS-2021)**

Organized by
 Department of Mechanical Engineering

Dr. S. SOMASUNDARAM,
 Professor/Mechanical Engineering,
 NITTTR, Chennai-600113


31st MARCH
 2021
 9:45 AM




Follow the programme in
 Kings College of Engineering Youtube channel

Organizing Secretary	Organizing Chair	Principal
Dr. P. P. Shantharaman	Dr. T. Pushparaj	Dr. J. Arputha Vijaya Selvi
Mr. M. Melwin J Sridhar		

SAMPLE CERTIFICATE:



Kings College of Engineering
 Punalakulam 613303
 ANNAAC Accredited Institution
 Recognized under 2(f) & 12(B) of UGC
 Approved by AICTE, New Delhi
 Affiliated to Anna University, Chennai



**National Conference on Energy and Manufacturing Scenario – 2021
 (NCEMS-2021)**

Organized by
 Department of Mechanical Engineering


CERTIFICATE

This is to certify that Dr./Mr./Ms. _____
 _____ presented
 a paper titled, _____
 _____ on 31st March 2021.

Organizing Chair
 Dr. T. Pushparaj

Principal
 Dr. J. Arputha Vijaya Selvi


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



KINGS
COLLEGE OF ENGINEERING


*National Conference on Energy and Manufacturing Scenario
(NCEMS-2021)*



Organized by Department of Mechanical Engineering




*20th Year of
Academic Excellence*

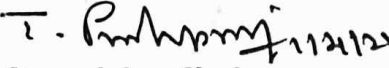
SEEK • STRIVE • SUCCEED

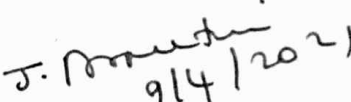



SUBSCRIBE


Kings College of Engineering


11/4/21
Organizing Secretary
Dr.P.P.Shantharaman


11/4/21
Organizing Chair
Dr.T.Pushparaj


9/4/2021
Principal
Dr.J.Arputha Vijaya Selvi



KINGS
COLLEGE OF ENGINEERING
(NAAC Accredited Institution)
(Approved by AICTE, New Delhi, Affiliated to
Anna University, Chennai)



A National level technical symposium

(MECHANTRA'19)

30th August 2019

SYMPOSIUM REPORT

Organized by

**Department of Mechanical Engineering
Kings College of Engineering
Punalkulam – 613303,
Pudukkottai Dt.**

SYMPOSIUM REPORT

On behalf of Management, Principal and Mechanical Engineering Association (MEA) organized one day National Level Technical Symposium "MECHANTRA'19" on 30th August 2019 for the Mechanical Engineering students. We have received around 40 papers from various Institutions in the state level, from which 24 papers were selected and registered. August 30th 2019, by 9.30 am registration was started at Chera Hall. The inaugural session of MECHANTRA '19 started with the prayer song and lightening of holy lamp at 10.00 am. The student president **Mr.S.AFSHAL HUSSAIN** delivered welcome address and explained to the gathering about the significance of that meeting and Head of the Department **Dr. T. PUSHPARAJ** introduced the chief guest.

The chief guest was honored by **Dr.S.SIVAKUMAR**, Vice Principal, KCE and gave the presidential address. **Dr.G.ELATHARASAN**, Head of the Mechanical Department, University College of Engineering, Pattukottai, was the chief guest and he delivered a special address to the gathering.



Chief guest **Dr.G.Elatharasan** inaugurating the symposium by lighting of kuthuvillakku, beside him **Dr.S.Sivakumar**, Vice principal along with them **Dr.T.Pushparaj** HoD/Mech and students president **S.Afshal Hussain**.



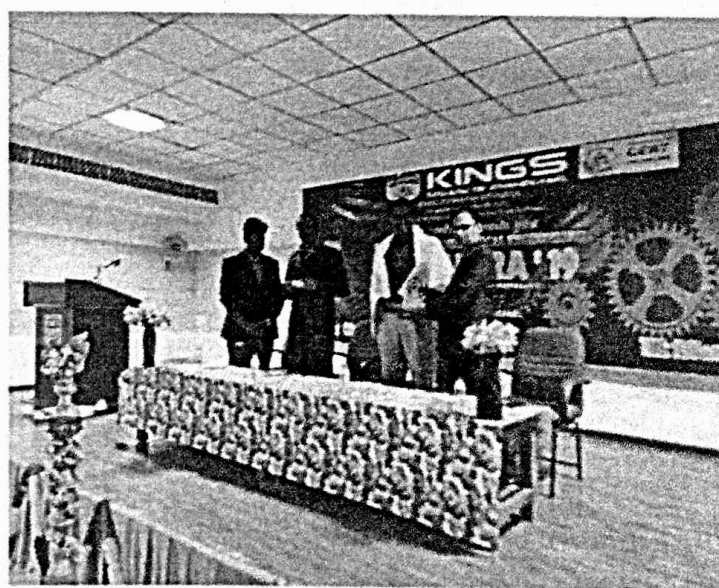
**S.AFSHAL HUSSAIN, Student president,
Welcoming the gathering**



**Dr.T.Pushparaj HOD/Mech, Introducing the
chief guest**



**Dr.S.Sivakumar, Vice principal, KCE., giving
presidential address**



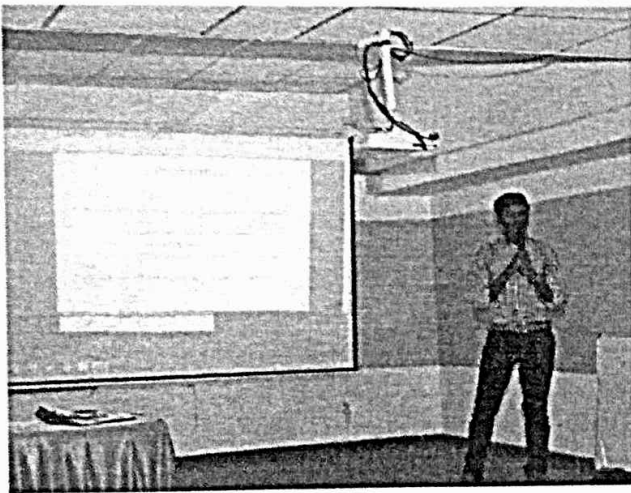
**Dr.G.Elatharasan, HOD/Mechanical, University
college of Engineering, Pattukkottai. receiving a
memento from Dr.S.Sivakumar, Vice principal,
KCE.**



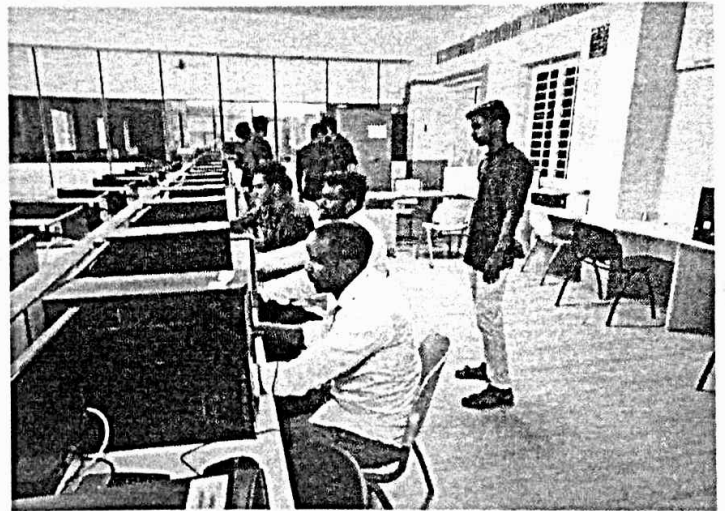
Releasing the symposium Proceedings by chief guest Dr.G.Elatharasan along with Dr.S.Sivakumar, Vice principal, Dr.T.Pushparaj HOD/Mech and Students president S.Afshal Hussain,



Chief guest Dr.G.Elatharasan giving the inaugural speech



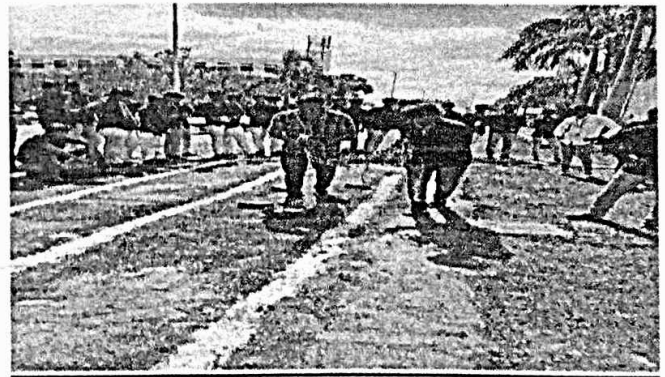
Paper presentation



CAD Modeling contest



Nut and Bolt assembling



RC Race

Technical and Non-technical events by participants

VALEDICTION

The National level Technical symposium **MECHANTRA'19** came to an end with the valedictory function at 4.15 pm. Dr. T.PUSHPARAJ HoD/MECH, welcomed the participants for valedictory function and distributed the prizes and certificates to the winners in the technical events. Finally the Student Vice - President Mr M.SATHISH KUMAR delivered the vote of thanks and successfully concluded the symposium.

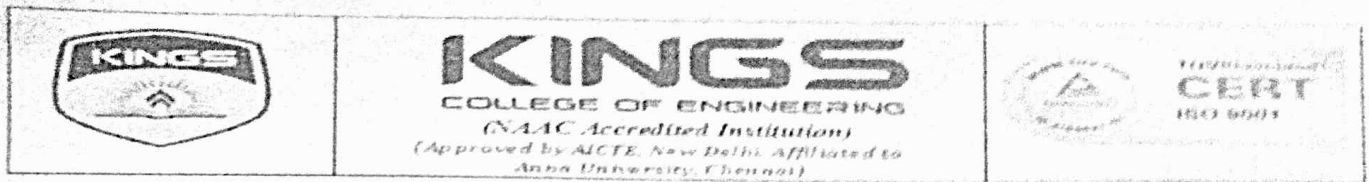


Dr. T.Pushparaj HoD/MECH distributed the prizes and certificates.

N. Shan
Staff Co-ordinator

T. Pushparaj 3/9/19
Head of the Department

J. Moneta
3/9/19.



A National level technical symposium
MEUS 2K18
Was organized by
The Department of Mechanical Engineering
(19th SEPT, 2018)

SYMPOSIUM REPORT

On behalf of Management, Principal and Mechanical Engineering Association (MEA) we are glad to inform that the National Level Technical Symposium MEUS 2K18 was conducted on 19.09.2018 for the Mechanical Engineering students. We have received around 40 papers from various Institutions in the state level, from which 24 papers were selected and registered.

INAGURATION

Around 9.00 am registration was started at Chera Hall. The inaugural session of MEUS 2K18 Started with the Prayer Song and Lightening of Holy lamp at 9.30 am (19.09.18). The Student vice president Mr. R. Sivaprasath delivered welcome address and explained to the gathering about the significance of that meeting. This was followed by the student President Mr. G. ALEXRAJA introducing the chief guest. The chief guest was then honored with shawl and momentum by Dr. R.RAJENDRAN (secretary of our college) and gave the presidential address.

Er. K. SRIRAM PRAKASH. Senior engineer, Boiler production, BHEL, Trichy, was the chief guest and he delivers a special address to the gathering.

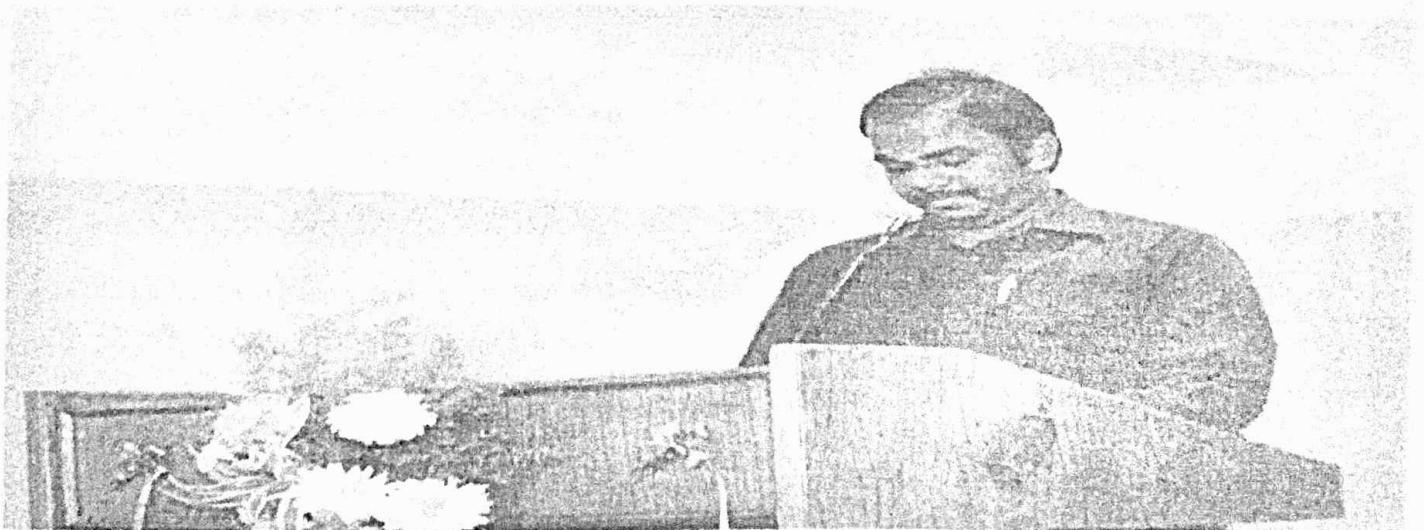






GUESTORIAL SPEECH

A motivational speech of our chief guest turned every one's blood enthuse who were presented there. His tolerating speech about our department makes students to think how far their destination was. They termed warmth with his inspirational speech.



TECHNICAL AND OTHER EVENT SESSION

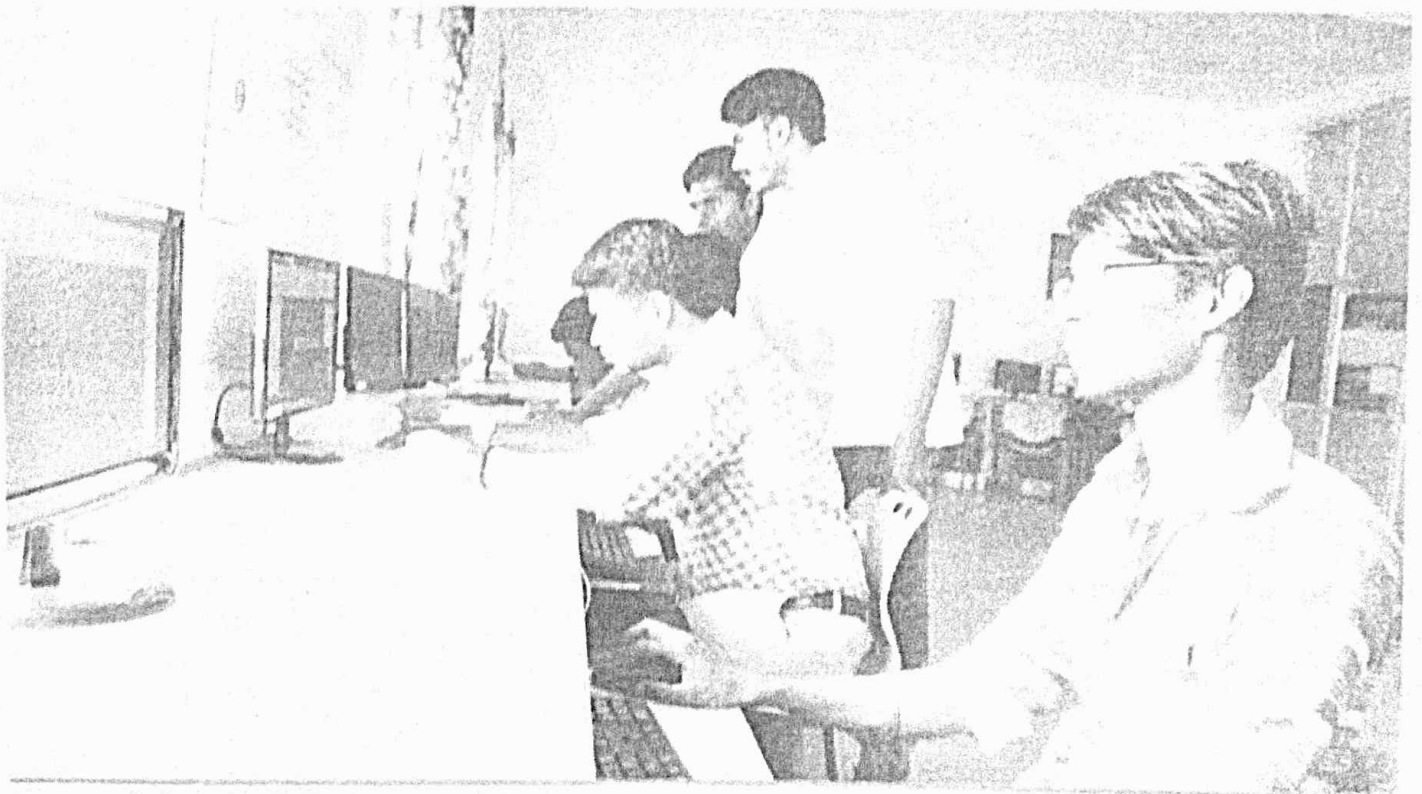
The forenoon session went well with the Paper presentation and CADD contest events between 11.00 am to 1.45 p.m. A team of "Paper Evaluation Committee evaluated and finalized the first, second and third prizes. Also enthusiastic students of our department exhibited some technical models and charts. The "Technical Event Committee" organized the Model Making, Mr.Mechanic, Nut and Bolt, and Technical Quiz events between 2.30 p.m to 4.15 pm.

Cash prizes were awarded for the online photography event. First, second, third prizes in paper presentation were awarded with momentum and certificates. Participation certificates were given to all participants.



TECHNICAL EVENT SESSIONS





VALEDICTION

The National level Technical symposium **MEUS 2K18** came to an end with the valedictory function at 4.15 pm. Dr. T.PUSHIPARAJ HOD/MECH, welcomed the participants for valedictory function and distributed the prizes and certificates to the winners in the technical events. Finally the Student Vice - President Mr. R.SIVAPRASATH delivered the vote of thanks and successfully concluded the symposium.



S. Sivaprasath
Student Co-ordinator

T. Pushiparaj
Staff Co-ordinator

[Signature]
Head of the Department



KINGS
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National Conference on Recent Advances in Mechanical Engineering – 2019

NCRAME-19

16th March 2019

POST CONFERENCE REPORT

Organised by

Department of Mechanical Engineering
Kings College of Engineering
Punalkulam-613303, Pudukkottai Dt.
Website: www.kingsindia.net

PROGRAMME SCHEDULE

National Conference on Recent Advances in Mechanical Engineering

Date: 16.03.2019

Venue : Pallava Hall

Timing	Programme schedule
8.45 am – 9.45 am	Registration
9.45 am – 10.35 am	Inauguration function of NCRAME -19
10.35 am – 10.50 am	Tea break
10.50 am – 11.15 am	Invited Talk
11.15 am – 1.00 pm	Technical Session - I
1.00 pm – 1.45 pm	Lunch break
1.45 pm – 3.50 pm	Technical Session - II
3.50 pm – 4.00 pm	Tea break
4.00 pm – 4.40 pm	Valedictory function

POST CONFERENCE REPORT OF NCROME- 19

The Department of Mechanical Engineering organized a one-day National Conference on Recent Advances in Mechanical Engineering – 2019 on 16th March 2019. This conference has provided a platform for researchers and academicians to share and exchange ideas on the various research topics in the fields such as Manufacturing; Energy and Thermal Engineering.

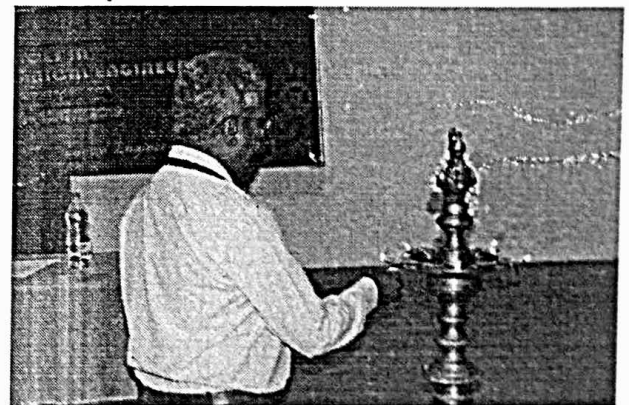
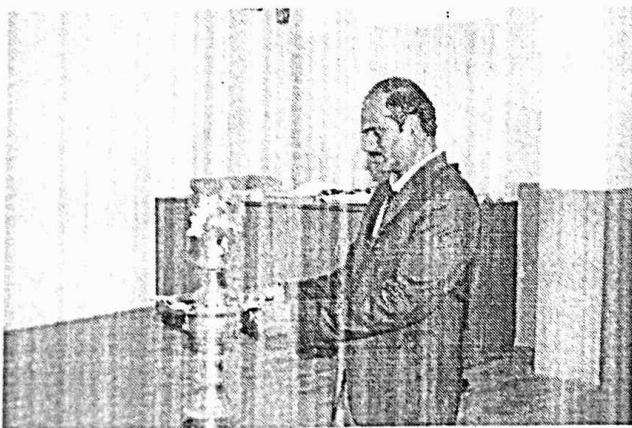
The conference had two sessions spread over entire day with expert's invited talks and interactive discussions. The total number of participants who has sent their willingness through mail to attend the conference was 60. Among them, 29 participants from various universities and institution across the country presented papers in the conference.

Dr.N. L. Parthasarathi, Scientific Officer E, Materials Development and Technology Division, IGCAR, Kalpakkam, inaugurated the conference, and delivered the keynote address to the academicians and researchers

On March 16th 2019, by 09:30 am., inauguration of the conference started with tamil thai vazhthu . The welcome address was given by Conference Chair Dr.T. Pushparaj, HOD/Mech.,KCE with a warm welcome and pleasant speech which has given a spark to the one day national conference.



Dr.T. Pushparaj, HOD/Mech, Welcomes the gathering.



Chief guest Dr.N. L. Parthasarathy inaugurating the conference by lighting of kuthuvillakku, beside him Dr.J.Arputha Vijaya Selvi, Principal along with them conference chair Dr.T.Pushparaj, and organizing secretary Prof.S.Giridharan.



Dr.N. L. Parthasarathy, Scientific Officer E, IGCAR receiving a memento from Dr.T.Pushparaj, HOD/Mech. KCE.



Dr.J.Arputha Vijaya Selvi, Principal, KCE., giving presidential address

The presidential address to the gathering was given by Dr.J.Arputha Vijaya Selvi, Principal, Kings College of Engineering. During her speech, she highlighted the following,

- Importance of the conferences is narrated from olden day to recent day..
- Various recent developments in Manufacturing, Energy sectors etc.,
- The words of the Principal gave so much of energy and motivated the students, faculties and the researchers to think innovatively in the field of Energy sectors.



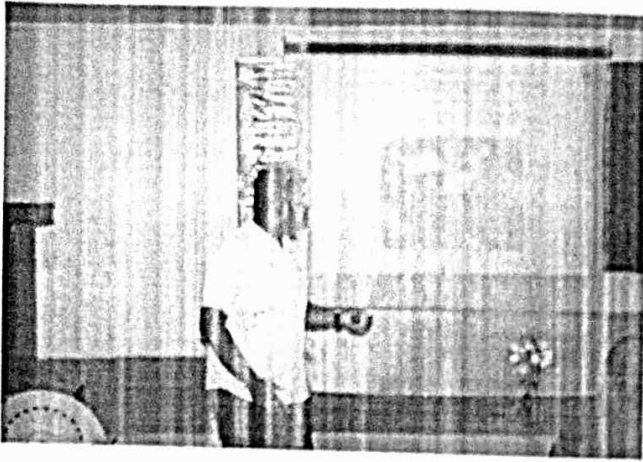
Proceedings of the conference was released by Dr.N. L. Parthasarathy, Scientific Officer E, IGCAR. alongwith them Dr.T.Pushparaj, HOD/Mech. KCE, Prof.S.Giridharan, AP/Mech. KCE.

After the presidential address, our honorable chief Guest Dr.N. L. Parthasarathy released the proceedings of the National Conference on Recent Advances in Mechanical Engineering – 2019 and the first copy was received by the Dr.T.Pushparaj. This National conference has been considered as a knowledge hub for all the researchers from the various institutions across the country.

Chief guest Dr.N. L. Parthasarathy was introduced by Prof.S.Giridharan, AP/Mech. KCE. About his career track , awards and achievements received by him. And also he pointed various posts held by him in the course of his career, the present post in detail, and the role played by him in his present capacity.



Chief guest Dr.N. L. Parthasarathy giving the inaugural speech

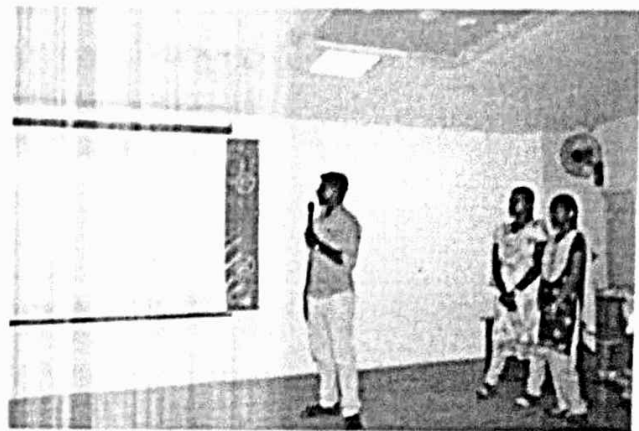


Chief guest Dr.N. L. Parthasarathy delivering the Invited talk

The chief guest, in his inaugural address to the gathering, pointed out that the new technology regarding robotics, especially that of underwater, its applications and the future trends. The power point presentation included the R&D being conducted around the world on under water robots, the results obtained and how these are being used in defence, underwater exploration and other fields.



Juries of the Technical sessions



Technical presentation by participants

*Good compilation.
J. Ramesh.
27/3/19.*



A National level technical symposium
SPARCIENT 2K18
Was organized by
The Department of Mechanical Engineering
(09th FEB, 2018)

SYMPOSIUM REPORT

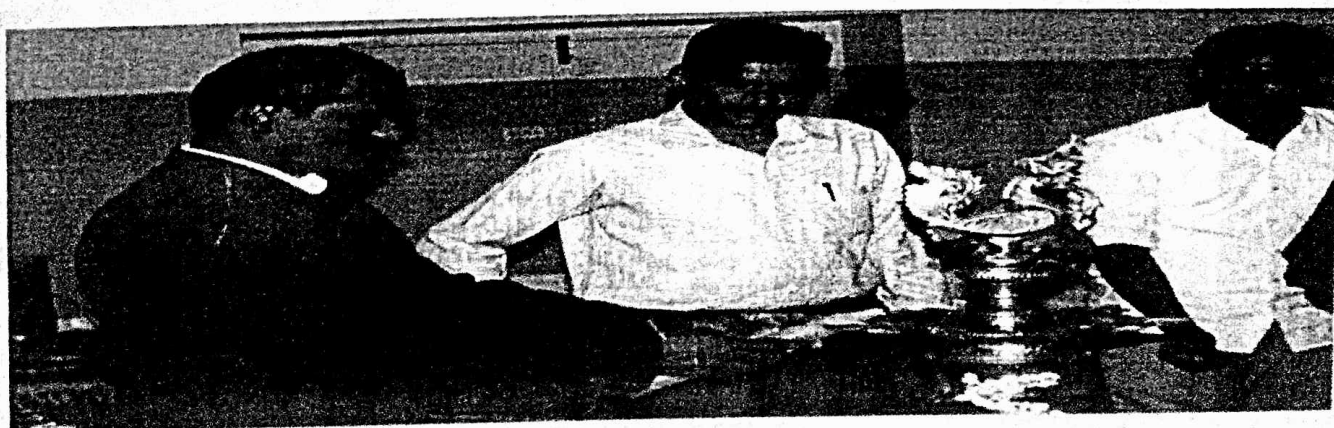
On behalf of Management, Principal and Mechanical Engineering Association (MEA) we are glad to inform that the National Level Technical Symposium **SPARCIENT 2K18** was conducted on 09.02.2018 for the Mechanical Engineering students. We received around 54 papers from various Institutions in the state level, from which 42 papers were selected and registered.

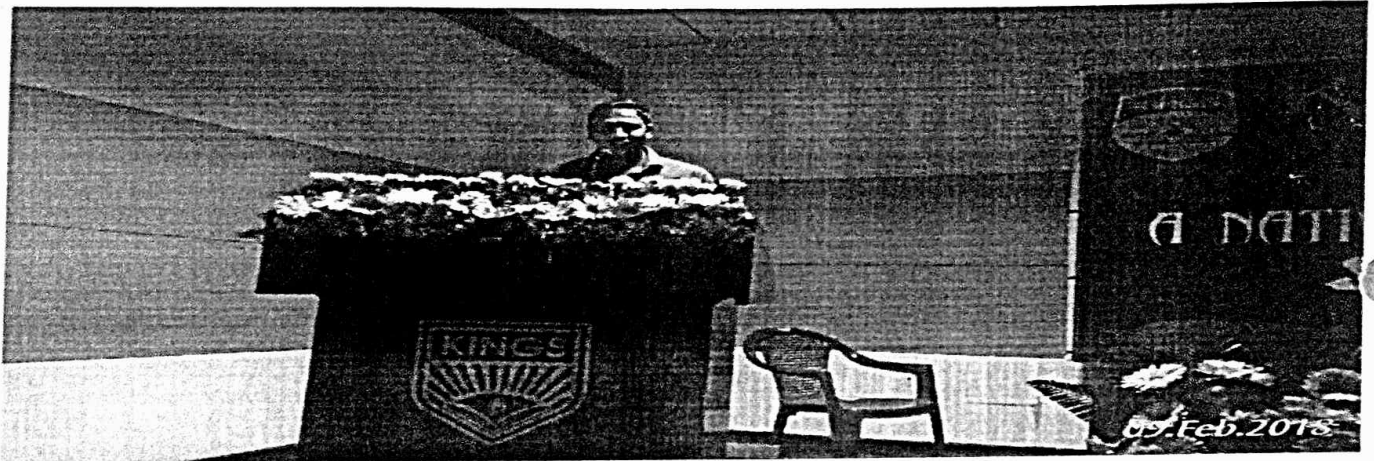
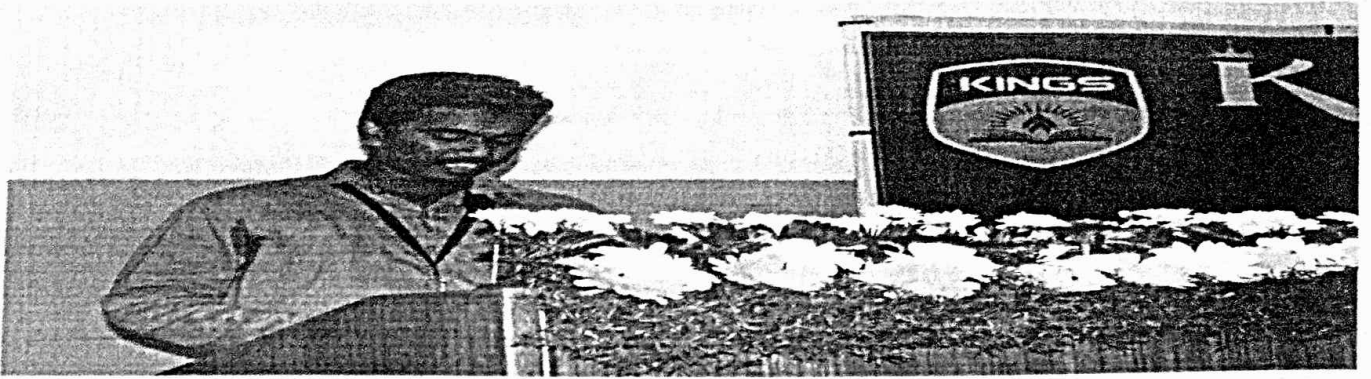
INAGURATION

Around 9.00 am registration was started at Chera Hall. The inaugural session of **SPARCIENT 2K18**, Started with Prayer Song and Lightening of Holy lamp at 9.30 am (09 .02.18). The Staff Co-ordinator Mr. H.AGILAN delivered welcome address and explained to the gathering about the significance of that meeting. This was followed by the student President Mr .R. MANIKANDAN introducing the chief guest.

The chief guest was then honored with shawl and momentum by Dr. T.PUSHPARAJ HOD/MECH and gave the presidential address.

Dr.G.RAJAMOHAN. SASTRA UNIVERSITY, THANJAVUR, was the chief guest, he delivered a special address to the gathering.





GUESTORIAL SPEECH

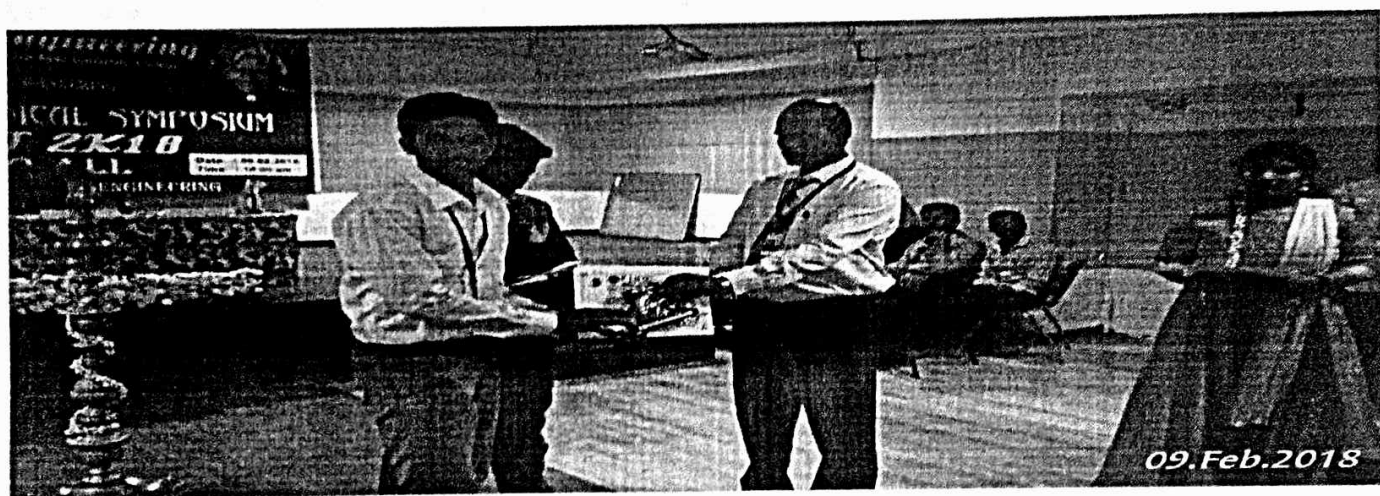
A motivational speech of our chief guest turned every one's blood enthuse who were presented there. His tolerating speech about our department makes students to think how far their destination was. They termed warmth with her inspirational speech.



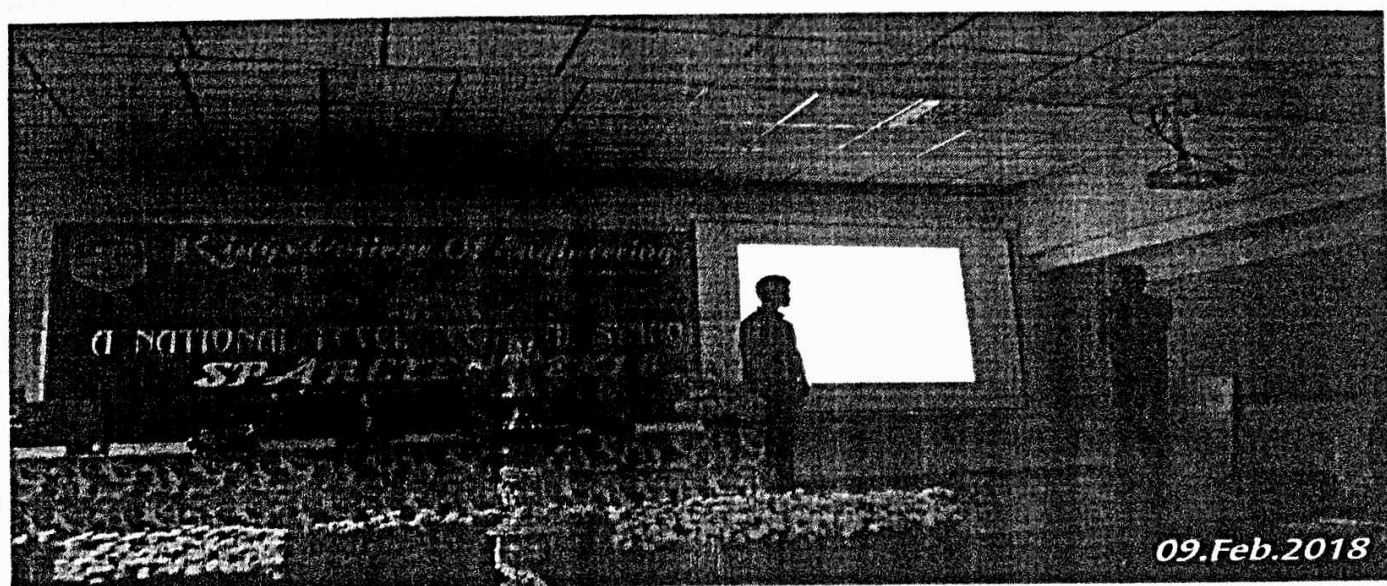
TECHNICAL AND OTHER TECHNICAL EVENT SESSION

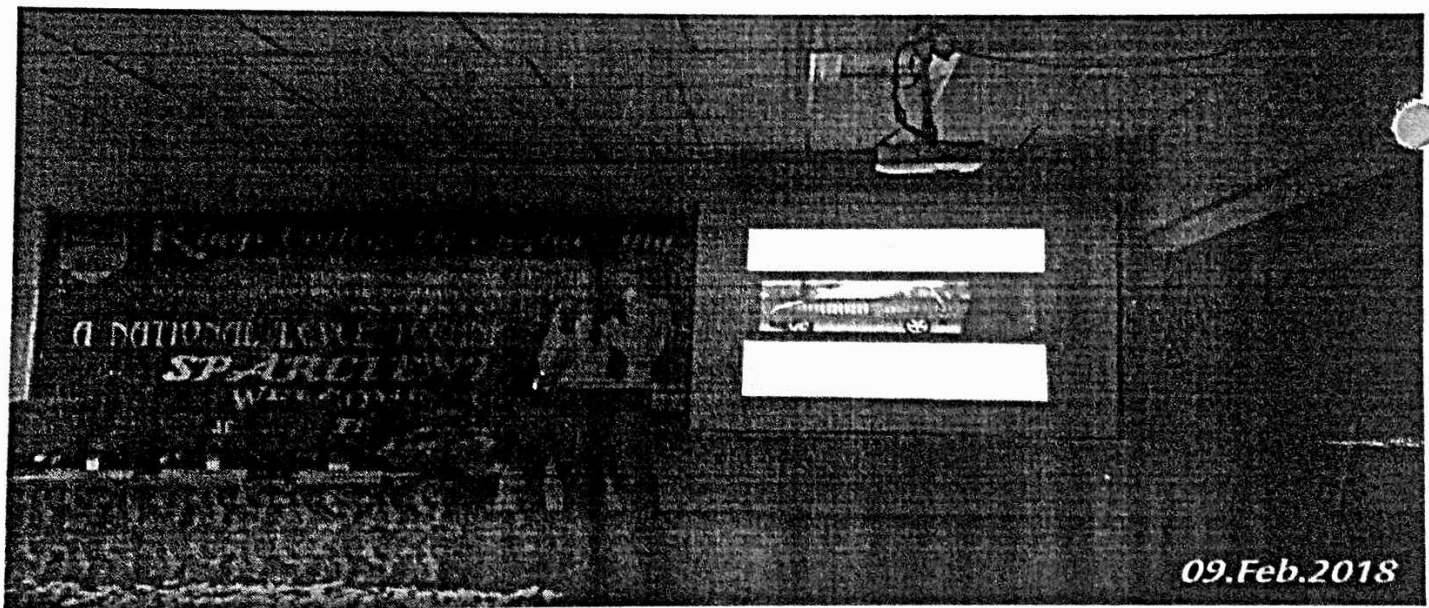
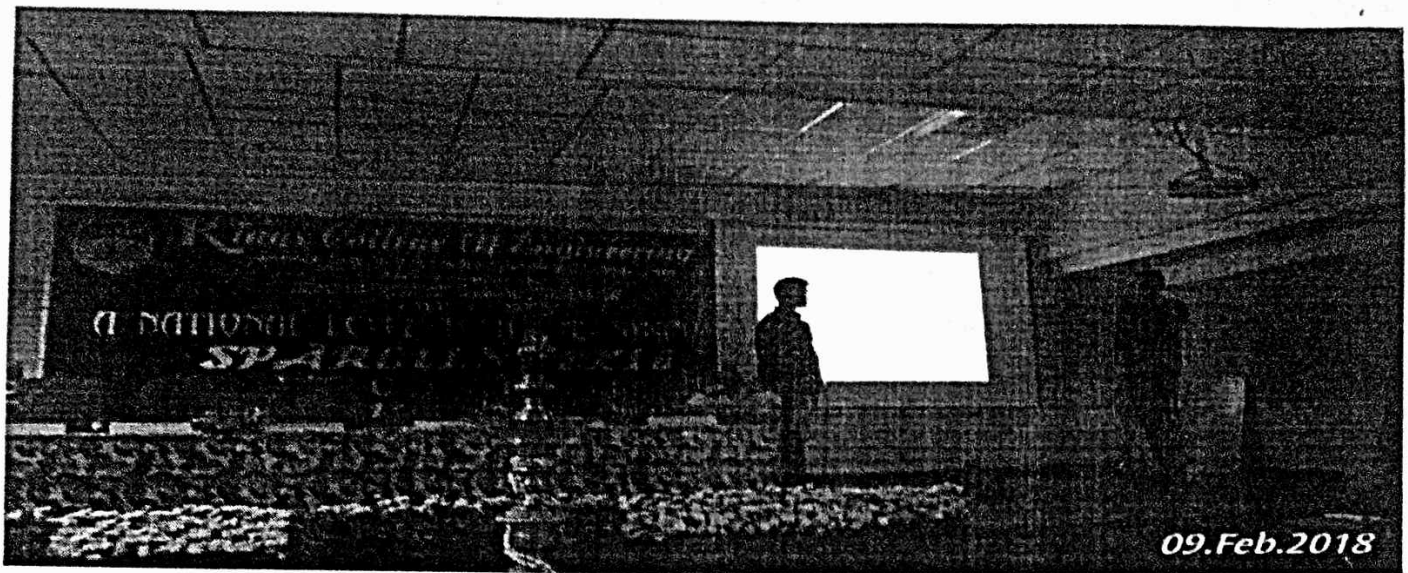
The forenoon session went well with the Paper presentation and CADD contest events between 11.00 am to 1.45 p.m. A team of "Paper Evaluation Committee evaluated and finalized the first, second and third prizes. Also enthusiastic students of our department exhibited some technical models and charts. The "Technical Event Committee" organized the Model Making, Mr.Mechanic, Nut and Bolt, and Technical Quiz events between 2.30 p.m to 4.15 pm.

Three cash prizes were awarded for paper presentation. First prize carried Rs.1200, Second prize Rs.900 and Third prize Rs.600 for other events, shields were distributed for the first and second places according to their performances. Participation certificates were given to all participants.



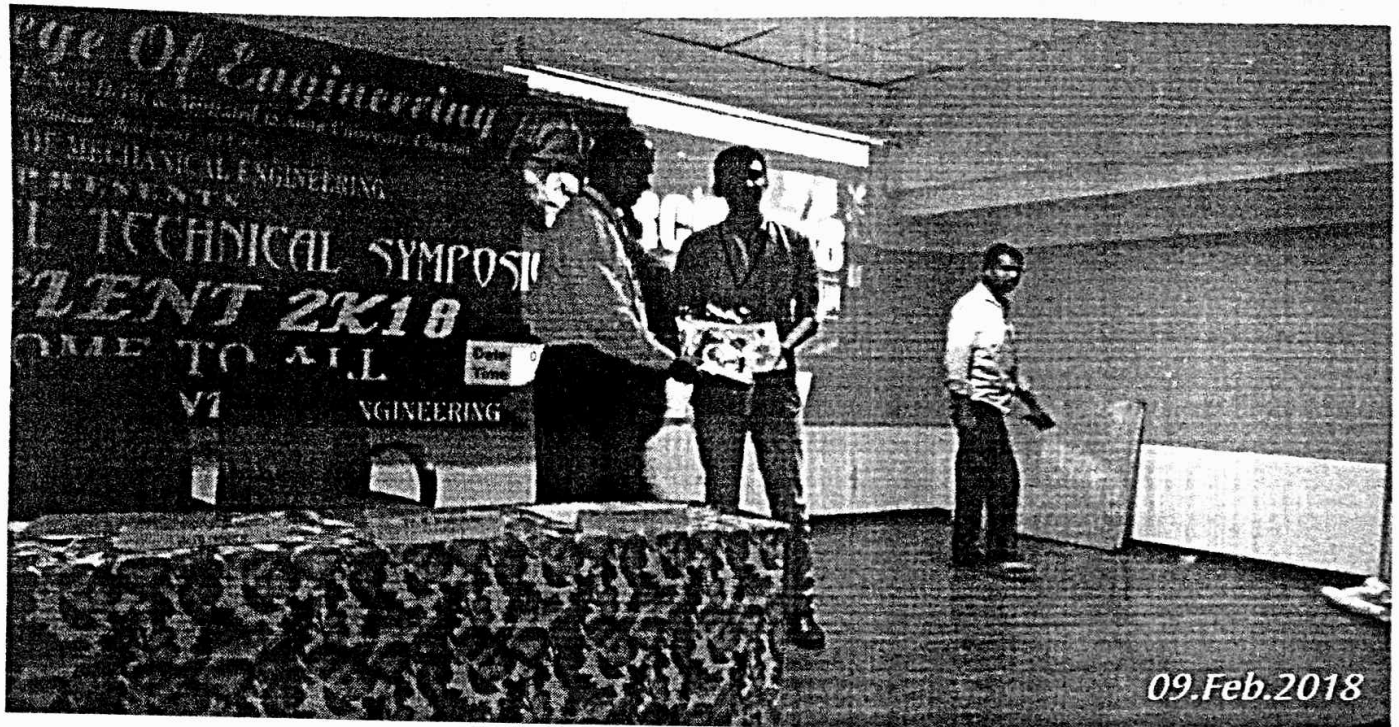
TECHNICAL EVENT SESSION (PAPER PRESENTATION)





VALEDICTION

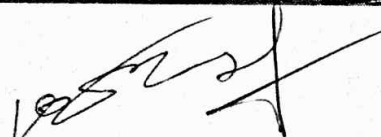
The symposium **SPARCIENT 2K18** came to an end with the valedictory function at 4.15 pm. Dr. T. PUSHPARAJ HOD/MECH, welcomed the participants for valedictory function and distributed the prizes and certificates to the winners in the technical events. Finally the Student Vice - President Mr. R.R.PRAVIN delivered the vote of thanks and successfully concluded the symposium.

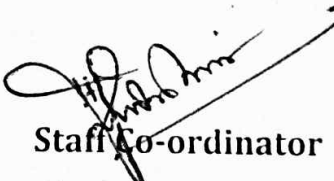


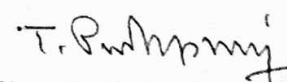
09.Feb.2018



09.Feb.2018


Student Co-ordinator


Staff Co-ordinator


Head of the Department



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National Conference on Emerging Trends in Mechanical Engineering – 2018

NCETME-18

20th March 2018

Post Conference report

Organised by

Department of Mechanical Engineering
Kings College of Engineering

Punalkulam-613303, Pudukkottai Dt.

Website: www.kingsindia.net

Organized by Department of Mechanical Engineering

AGENDA

Session - I		Inauguration	Venue: Chera Hall
09.45 am	Prayer song		
09.50 am	Welcome address – Dr.T.Pushparaj, HOD/Mech		
09.55 am	Lighting of Lamp		
10.00 am	Honoring the Chief Guest by Dr.T.Pushparaj, HOD/Mech		
10.05 am	Presidential Address by Dr.J.Arputha vijaya Selvi, Principal, KCE.,		
10.10 am	Introduction of Chief Guest by Mr.G.Mathivanan, Asso. Prof/Mech		
10.15 am	Felicitation Address by Dr.P.K.Srividhya, Dean R&D, Thanjavur		
10.30 am	Releasing of Conference Proceedings by Principal		
10.35 am	Tea Break		
Session II		Key Note Address & Paper Presentation	Venue: AV Hall
10.50 am	Session Chair – Mr.P.P.Shantharaman Asso. Prof/Mech		
10.55 am	Key Note Address by Chief Guest		
11.15 am	Technical session - I		
1.00 pm	Lunch Break		
1.45 pm	Technical session - II		
3.50 pm	Tea Break		
Session III		Valedictory	Venue: AV Hall
4.00 pm	Conference Report by Conference Chair – HOD/Mech		
4.10 pm	Issuing of Certificate by Conference Chair - HOD/Mech		
4.30 pm	Feed Back from Participants		
4.35 pm	Vote of thanks – Organizing Secretary, NCRAME-18		
4.40 pm	National Anthem		

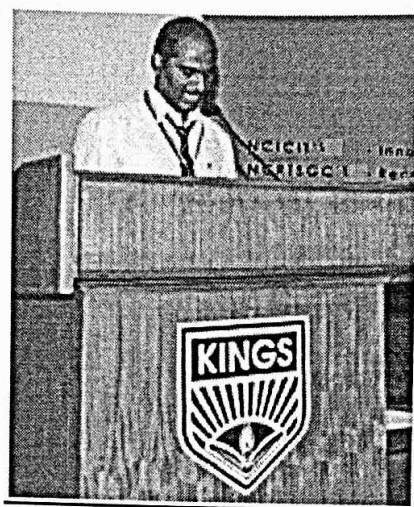
CONFERENCE REPORT OF NCETME-18

The Department of Mechanical Engineering organized a one-day National Conference on Energy Trends in Mechanical Engineering-2018 on 20th March 2018. This conference has provided a platform for researchers and academicians to share and exchange ideas on the various research topics in the fields such as Manufacturing, Energy and Thermal Engineering.

The Conference has two sessions spread over entire day with expert's invited talks and interactive discussions. Total number of participants who has sent their willingness through mail to attend the conference was 42. Among them 33 participants from various universities and institution across the country presented paper papers in the conference.

The experts and the resource persons were invited who have sound knowledge in the field of Manufacturing, Energy and Thermal Engineering are, Dr.P.K.Srividhya, Mechanical Engineering Department, Periyar Maniyammai College of Engineering, Thanjavur has addressed with their invited talk to the academicians and researchers during sessions.

On March 20th 2018, by 9.45 am, the conference started with the Tamilthai vazhthu – Inguration function. The welcome address was given by Conference Chair Dr.T.Pushparaj, HOD/Mechanical, Kings College of Engineering with a warm welcome and pleasant speech which has given a spark to the one day Nation Conference.



Dr.T.Pushparaj. HOD/Mech, Welcomes the gathering

Then as every auspicious function starts with a traditional way of LIGHT, being the source of all transitions and transformations, the conference officially inaugurated by lighting of kuthuvillakku by the Chief guest Dr.P.K.Srividhya Professor / Mechanical, Periyar Maniyammai College of Engineering, Thanjavur, Dr.J.Arputha Vijaya Selvi Principal, Kings College of Engineering and Dr.T.Pushparaj. HOD/Mech, Kings College of Engineering.

Then the HOD/Mechanical has presented a memento to Chief Guest Dr.P.K.Srividhya Professor as a mark of respect in behalf of Kings College of Engineering.



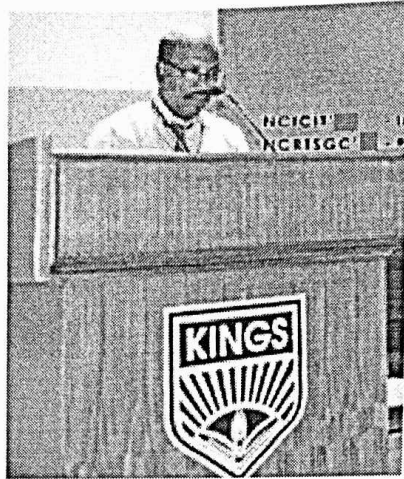
The presidential address to the gathering was given by Dr.J.Arputha Vijaya Selvi, Principal, KCE During his speech, he highlighted the following,

- Importance of the conferences in narrated from olden days to recent day.
- We should have reasonable expectation of the problem.
- Discussed the various recent developments in Mechanical Engineering field.

The words of the principal gave so much of energy and motivated the students, faculties and the researchers to think innovatively in the field of energy sectors.

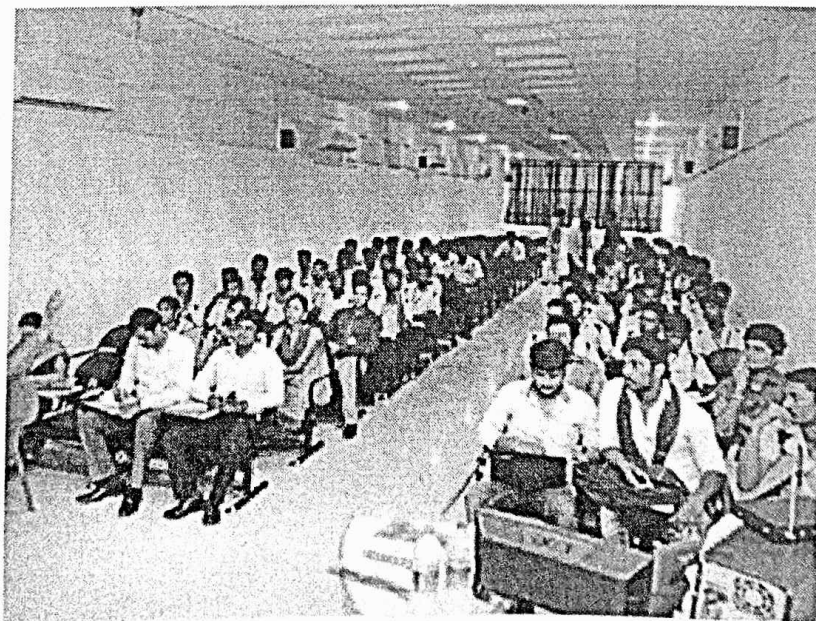
After the presidential Address, our honorable chief guest Prof.Dr.P.K.Srividhya, has released the proceedings of the National Conference on Emerging Trends in Mechanical Engineering – 2018 and the first copy was received by the Dr.J.Arputha Vijaya Selvi, Principal. And this National Conference has been considered as a knowledge Hub for all the researchers from the various institutions across the country.

Prof.Dr.P.K.Srividhya was introduced by Prof.G.Mathivanan, Department of Mechanical Engineering about her career track and the awards and achievements received by him. And also he pointed various posts held by her in different government sectors and the present post in detail the role played by her the department of higher education and the training provided to the engineering students across the state and the off campus placement recruitment drive conducted by her department.



Introduction of Chief Guest by Mr.G.Mathivanan, Asso. Prof/Mech

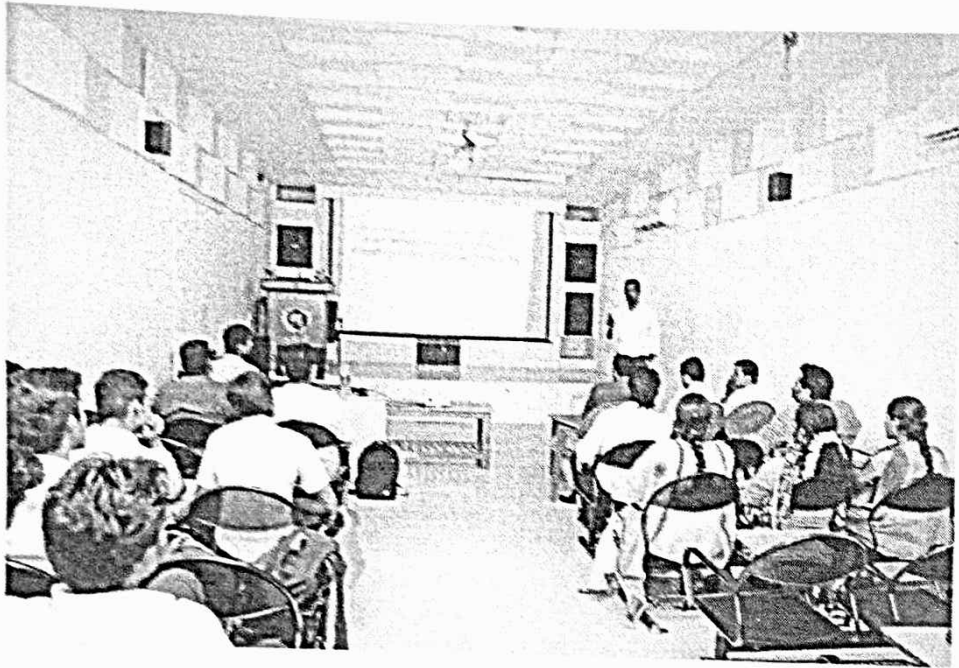
Invited talk was given by Prof.P.K.Srividhay, Mechanical Department, in her speech, pointed out that the new technology regarding decisions science alternatively known as operation research is the discipline of applying advanced analytical methods for the analysis and evaluation of research options to make better decisions. Gave an overview of various techniques of decision science, particularly multi-criteria decision models, and their characteristics.



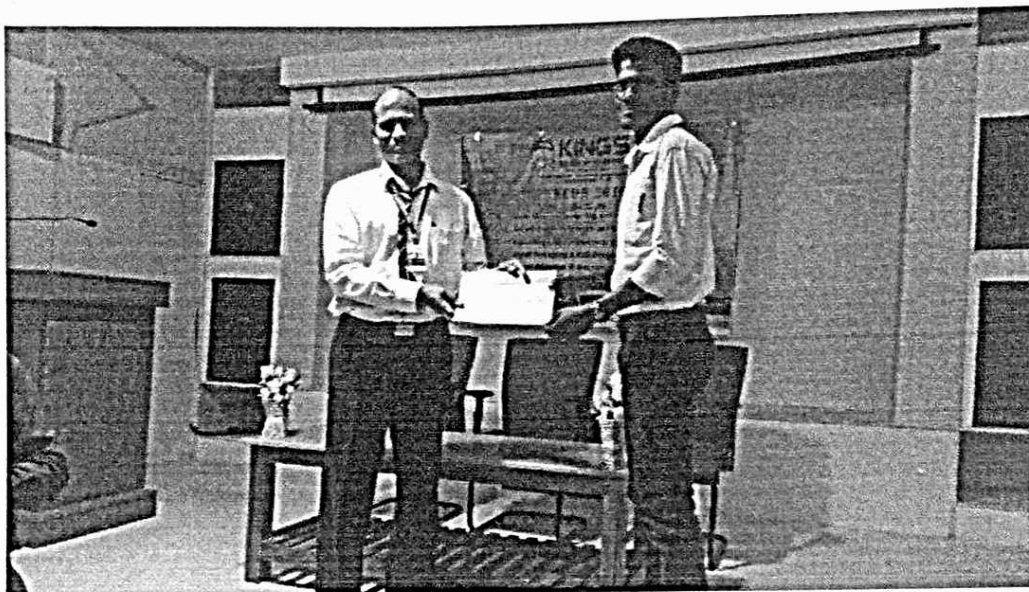
Prof.P.K.Srividhya, gives the Invited Talk in the first session of the conference

Technical session – I: (11.15 am to 1.00 pm)

Mr.P.P.Shanthraman, Prof./Mech., KCE and Mr.H.Agilan Prof./Mech., KCE, the chairpersons of the Technical Session I and Mr.R.Suriyamurthy, Prof./Mech., KCE and Mr.N.Mahesh Prof./Mech., KCE, to judge the papers. Participants from various institutions had presented 19 research articles in both the sessions.



Technical presentation with active interaction with the Chairpersons of the session



Dr.T.Pushpraj, HOD/Mech, KCE, distributed the certificate to the participant in the conference

Valedictory Function: Time – 4.00 pm

In Valedictory function, Dr.T.Pushpraj, HOD/Mech, KCE, distributed the certificate to the participants, Finally, Vote of thanks for the valedictory function was given by Prof.R.Shankar, organizing secretary of the National Conference. The one day National Conference on Emerging Trends in Mechanical Engineering – 2018, successfully came to an end which provided a resource platform as a knowledge hub to all the academicians and the researchers with fullest support from the management, Principal, Organizing committee, Event Management committee and Faculties and all others who has directly or indirectly who helped in organizing this conference.

T. Pushpraj
HoD

T. Shankar
PRINCIPAL



KINGS
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Punaikulam, Thanjavur.

Approved by AICTE, Affiliated to Anna University, Accredited by NBA



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A National level technical symposium
SPARCIENT-2K16
Was organized by
The Department of Mechanical Engineering
(17th September, 2016)

SYMPOSIUM REPORT

On behalf of Management, Principal and “**Mechanical**” Association we are glad to inform that The National Level Technical Symposium **SPARCIENT-2K16** organized for the students to present papers in mechanical Engineering. We have received around 80 papers from various Institutions in the state level, from which 70 papers were selected. Among the 70 papers, 66 papers were registered.

INAGURATION

Around 8.45am Registration was started at Chera Hall. The inaugural session of **SPARCIENT-2K16** was started with Prayer Song and Lightening of Holy lamp at 9.20 am (17.09.16). The Staff Co-ordinator Mr. H.AGILAN was delivered welcome address and explained to the gathering about the significance of that meeting followed by the student Vice-President Mr S.VENKATESH introduce the chief guest.

The chief guest was then honored with shawl and momentum by Dr.T. PUSHPARAJ, HOD/MECH, KCE. The presidential address was given by Mr. G. MATHIVANAN, Associate Professor /Mech, KCE.

Dr. V.ANANDAKRISHNAN, NIT, TRICHY, was the chief guest and he delivered a special address to the participants & our department students and staff members.

The Symposium souvenir^{CD} and symposium logo model was then released by Chief Guest Dr. V.ANANDAKRISHNAN, NIT, TRICHY.

Seen
5/8/2016



GUESTORIAL SPEECH

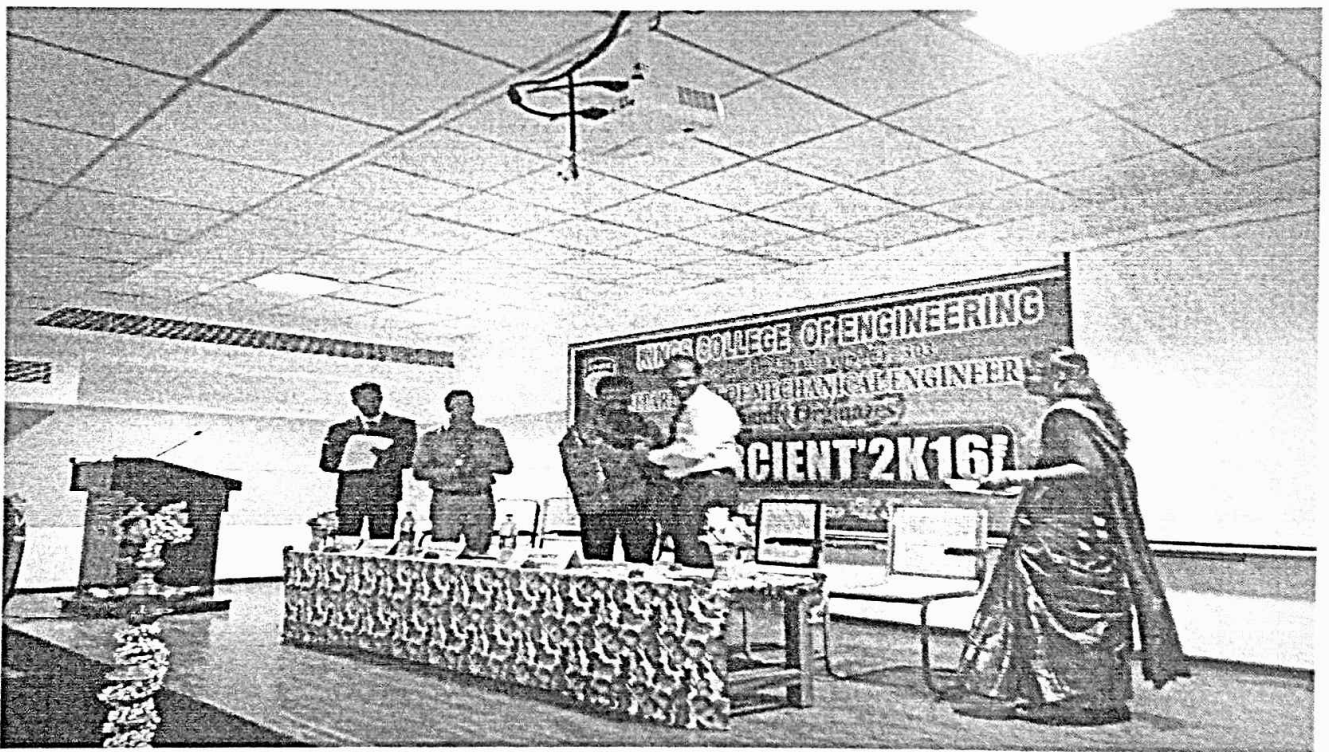
A motivational speech of our chief guest turned every one's blood enthuse who were presented there. His tolerating speech about our department makes students to think how far their destination was. They termed warmth with his inspirational speech.

exhibited some technical models and charts. The "Technical Event Committee" was with organizing the Model Making, Speed cubing and Technical Quiz events between 12.30 pm to 1.30 pm.

After 2.00 pm our technical committee engaged the participants in Treasure hunt, Delination, Nuts and Bolts, Assembly and Dismantle, Complete your task, Mech Meshing and Mr.Mechanic events. These events were completed very successfully at 4.00pm.

The most precious "Mr.MECHANIC" award was given to the student Mr.MADHANA GOPAL of A.V.C COLLEGE OF ENGG who successfully accomplished all our department oriented practical knowledge.

Three cash prizes had been announced for paper presentation. First prize carries Rs.2500, Second prize carries Rs.1700 and Third prize carries Rs.1300 and also for other events, we issued shields for the first, second and third places according to their performances. We have presented certificates for all student participants.



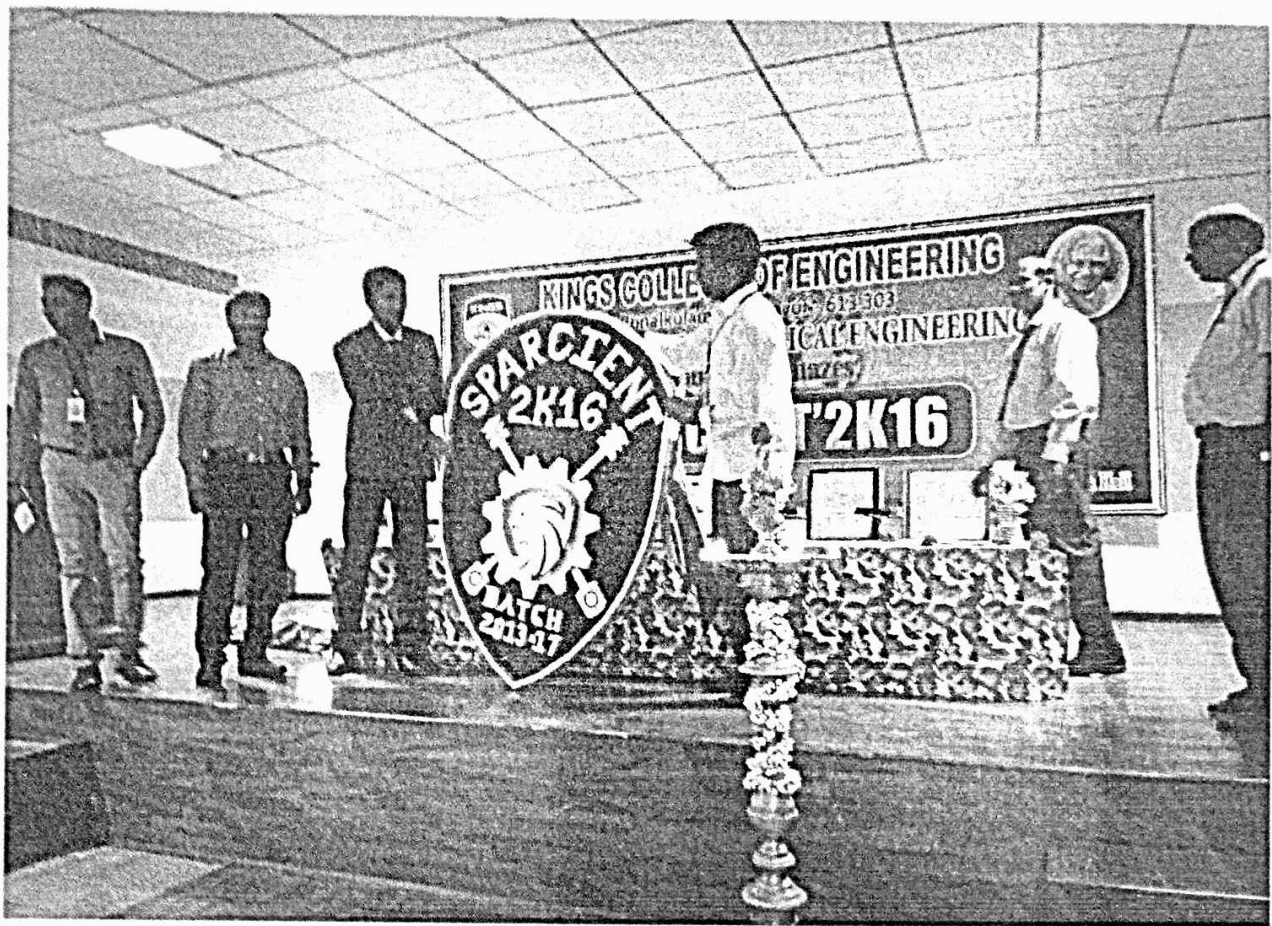
How many papers - Received
- Accepted
- awarded

And he delivered a presentation on solar energy and alternative fuel in IC engine. He narrated that after a few decades there will be a scarcity on getting fossil fuel on that time alternative fuel place a major role. We got a lot of awareness about solar energy and alternative fuels.



TECHNICAL AND OTHER TECHNICAL EVENT SESSION

The forenoon session went well with the Paper presentation, poster presentation and CADD contest events between 11.00 am to 12.30 pm. A team of "Paper Evaluation Committee" was graded the first, second and third prizes. Also the enthusiastic students of our department were



VALEDICTION

The symposium **SPARCIENT-2K16** came to an end with the valedictory function during 4.00 to 4.30pm. Dr. T.PUSHPARAJ HOD/MECH and our department staffs welcomed the gathering and distributed the prizes and certificates to the paper presentation winners and technical event winners. Finally the Student Vice - President Mr. S.VENKATESH delivered the vote of thanks and successfully concluded the symposium by National anthem.

S. Venkatesh
Student Co-ordinator

T. Pushparaj
Staff Co-ordinator

T. Pushparaj
Head of the Department



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National Conference on Recent Advances in Mechanical Engineering – 2016

NCRAME-16

29th December 2016

Post Conference report

Organised by

Department of Mechanical Engineering
Kings College of Engineering

Punalkulam-613303, Pudukkottai Dt.

Website: www.kingsindia.net

Handwritten signature and date 29/12

AGENDA

Session - I		Inauguration	Venue: Chera Hall
09.45 am	Prayer song		
09.50 am	Welcome address – Dr.T.Pushparaj, HOD/Mech		
09.55 am	Lighting of Lamp		
10.00 am	Honoring the Chief Guest by Dr.T.Pushparaj, HOD/Mech		
10.05 am	Presidential Address by Dr.S.Duraiaraj, Principal, KCE.,		
10.10 am	Introduction of Chief Guest by Mr.G.Mathivanan, Asso. Prof/Mech		
10.15 am	Felicitation Address by Dr.N.Jawahar, Dean R&D, TCE., Madurai		
10.30 am	Releasing of Conference Proceedings by Principal		
10.35 am	Tea Break		
Session II		Key Note Address & Paper Presentation	Venue: AV Hall
10.50 am	Session Chair – Mr.P.P.Shantharaman Asso. Prof/Mech		
10.55 am	Key Note Address by Chief Guest		
11.15 am	Technical session - I		
1.00 pm	Lunch Break		
1.45 pm	Technical session - II		
3.50 pm	Tea Break		
Session III		Valedictory	Venue: AV Hall
4.00 pm	Conference Report by Conference Chair – HOD/Mech		
4.10 pm	Issuing of Certificate by Conference Chair - HOD/Mech		
4.30 pm	Feed Back from Participants		
4.35 pm	Vote of thanks – Organizing Secretary, NCRAME-16		
4.40 pm	National Anthem		

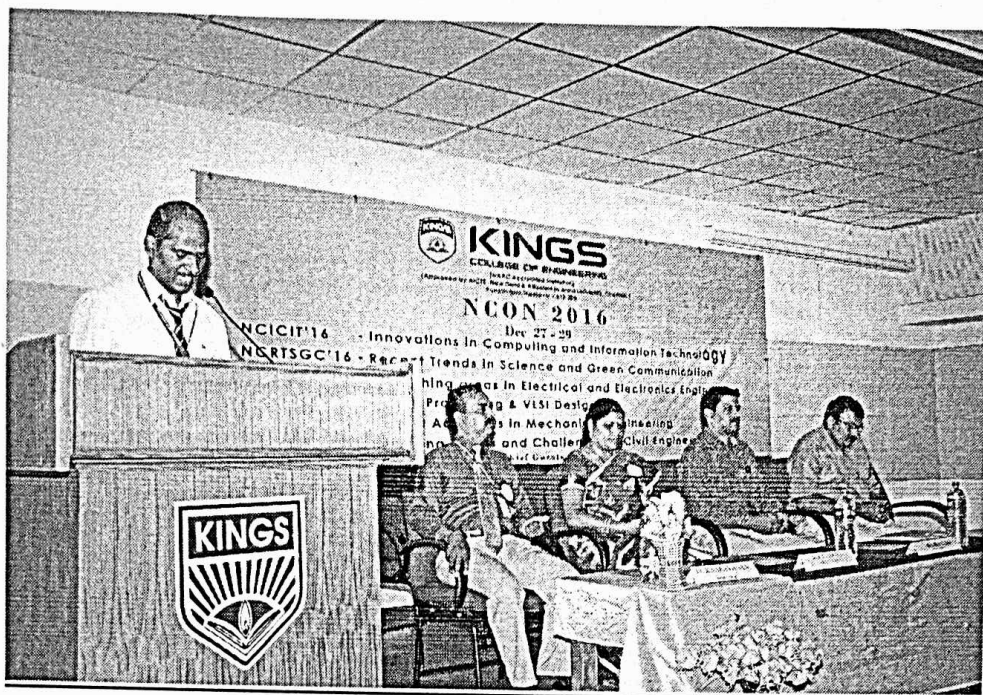
CONFERENCE REPORT OF NCROME-16

The Department of Mechanical Engineering organized a one-day National Conference on Recent Advances in Mechanical Engineering-2016 on 29th December 2016. This conference has provided a platform for researchers and academicians to share and exchange ideas on the various research topics in the fields such as Manufacturing, Energy and Thermal Engineering.

The Conference has two sessions spread over entire day with expert's invited talks and interactive discussions. Total number of participants who has sent their willingness through mail to attend the conference was 45. Among them 21 participants from various universities and institution across the country presented paper papers in the conference.

The experts and the resource persons were invited who have sound knowledge in the field of Manufacturing, Energy and Thermal Engineering are, Dr.N.Jawahar, Mechanical Engineering Department, Thiagarajar College of Engineering, Madurai has addressed with their invited talk to the academicians and researchers during sessions.

On December 29th 2016, by 9.45 am, the conference started with the Tamilthai vazhthu – Inguration function. The welcome address was given by Conference Chair Dr.T.Pushparaj, HOD/Mechanical, Kings College of Engineering with a warm welcome and pleasant speech which has given a spark to the one day Nation Conference.



Dr.T.Pushparaj. HOD/Mech, Welcomes the gathering



Chief guest Dr.N.Jawahar inaugurating the conference by lighting of kuthuvillakku, beside him seen are Dr.S.Durairaj, Principal, Kings College of Engineering and along with them Conference Chair Dr.T.Pushparaj. HOD/Mech, Kings College of Engineering.

Then as every auspicious function starts with a traditional way of LIGHT, being the source of all transitions and transformations, the conference officially inaugurated by lighting of kuthuvillakku by the Chief guest Thiru.Dr.N.Jawahar Professor / Mechanical, Thiagarajar College of Engineering, Madurai, Dr.S.Durairaj, Principal, Kings College of Engineering and Dr.T.Pushparaj. HOD/Mech, Kings College of Engineering.

Then the HOD/Mechanical has presented a memento to Chief Guest Thiru. Dr.N.Jawahar Professor as a mark of respect in behalf of Kings College of Engineering.



Thiru.Dr.N.Jawahar Professor / Mechanical, Thiagarajar College of Engineering, Madurai, receiving a memento from Dr.T.Pushparaj. HOD/Mech, Kings College of Engineering.

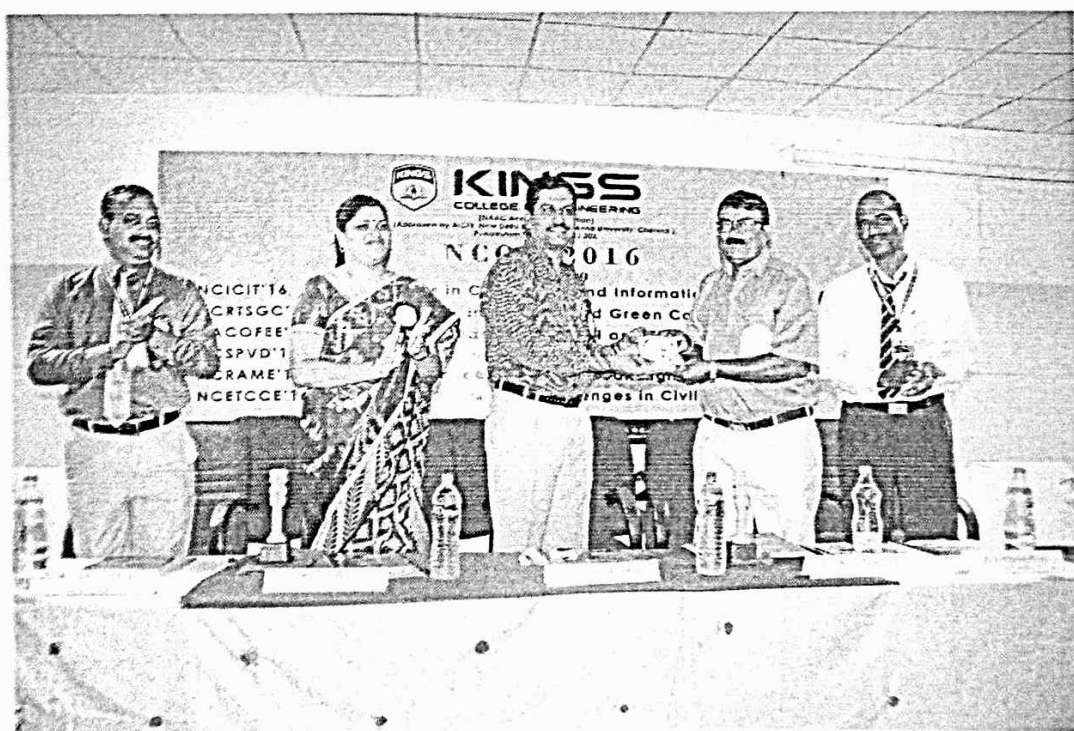


Prof.S.Durairaj, Principal, KCE, giving presidential address

The presidential address to the gathering was given by Prof.S.Durairaj, Principal, KCE. During his speech, he highlighted the following,

- Importance of the conferences in narrated from olden days to recent day.
- We should have reasonable expectation of the problem.
- Discussed the various recent developments in Mechanical Engineering field.

The words of the principal gave so much of energy and motivated the students, faculties and the researchers to think innovatively in the field of energy sectors.



Proceedings of the conference was released by Prof.N.Jawahar, along with them Dr.S.Durairaj, Principal, Kings College of Engineering, Dr.T.Pushparaj. HOD/Mech, Kings College of Engineering

After the presidential Address, our honorable chief guest Prof.N.Jawahar, has released the proceedings of the National Conference on Recent Advances in Mechanical Engineering – 2016 and the first copy was received by the Dr.S.Durairaj, Principal. And this National Conference has been considered as a knowledge Hub for all the researchers from the various institutions across the country.

Prof.N.Jawahar, was introduced by Prof.G.Mathivanan, Department of Mechanical Engineering about his career track and the awards and achievements received by him. And also he pointed various posts held by him in different government sectors and the present post in detail the role played by him the department of higher education and the training provided to the engineering students across the state and the off campus placement recruitment drive conducted by his department.

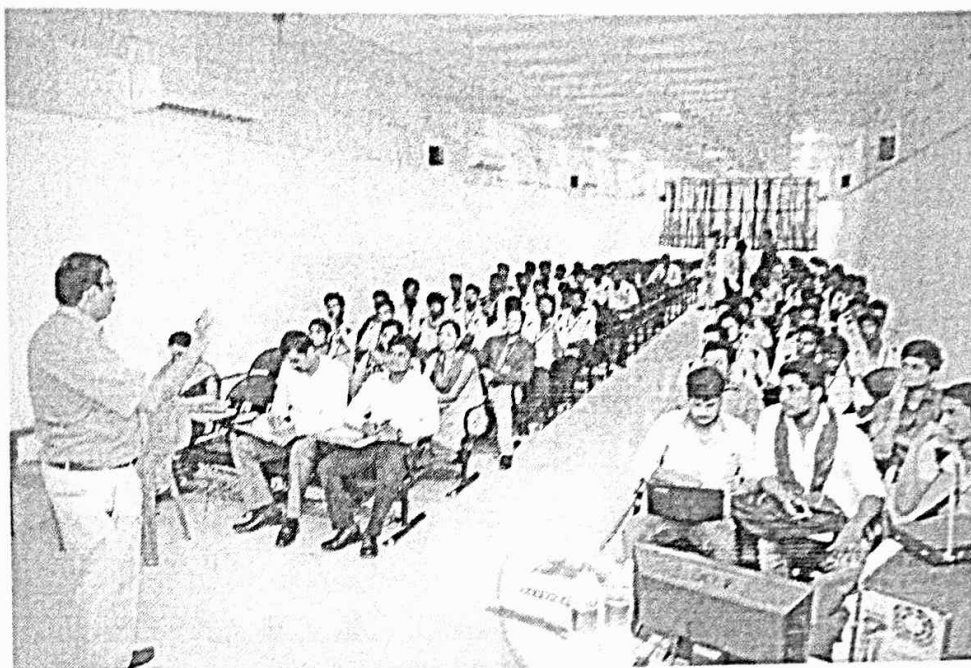


Introduction of Chief Guest by Mr.G.Mathivanan, Asso. Prof/Mech



Chief Guest Prof.N.Jawahar giving the inaugural speech

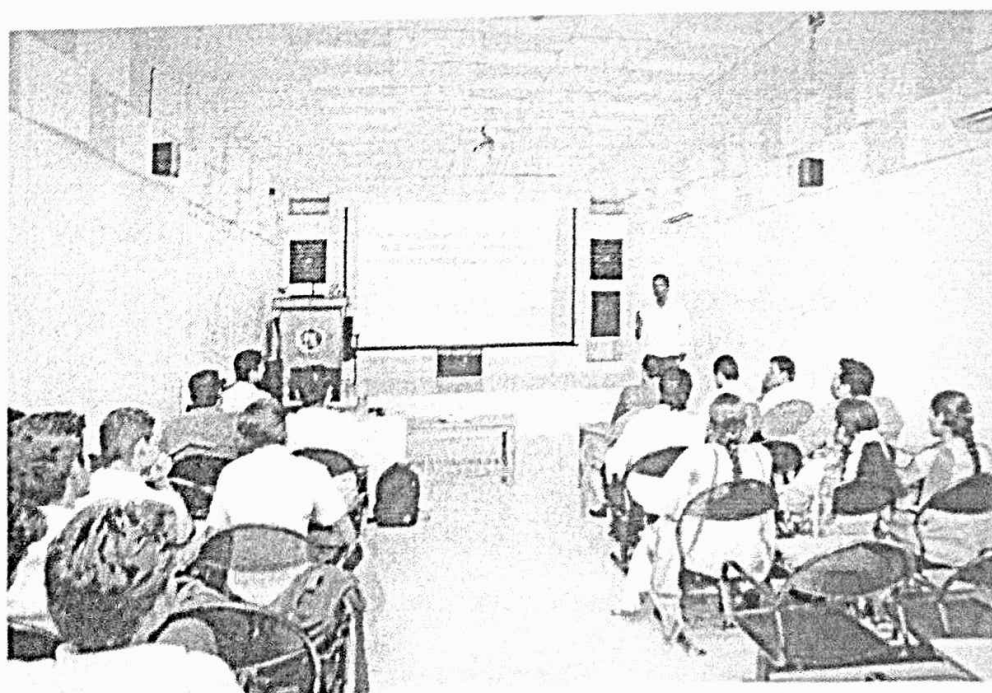
Invited talk was given by Prof.N.Jawahar, Mechanical Department, TCE, Madurai. In his speech, pointed out that the new technology regarding decisions science alternatively known as operation research is the discipline of applying advanced analytical methods for the analysis and evaluation of research options to make better decisions. Gave an overview of various techniques of decision science, particularly multi-criteria decision models, and their characteristics.



Prof.N.Jawahar, gives the Invited Talk in the first session of the conference

Technical session – I: (11.15 am to 1.00 pm)

Mr.P.P.Shanthraman, Prof./Mech., KCE and Mr.H.Akilan Prof./Mech., KCE, the chairpersons of the Technical Session I and Mr.R.Suriyamurthy, Prof./Mech., KCE and Mr.N.Mahesh Prof./Mech., KCE, to judge the papers. Participants from various institutions had presented 21 research articles in both the sessions.



Technical presentation with active interaction with the Chairpersons of the session

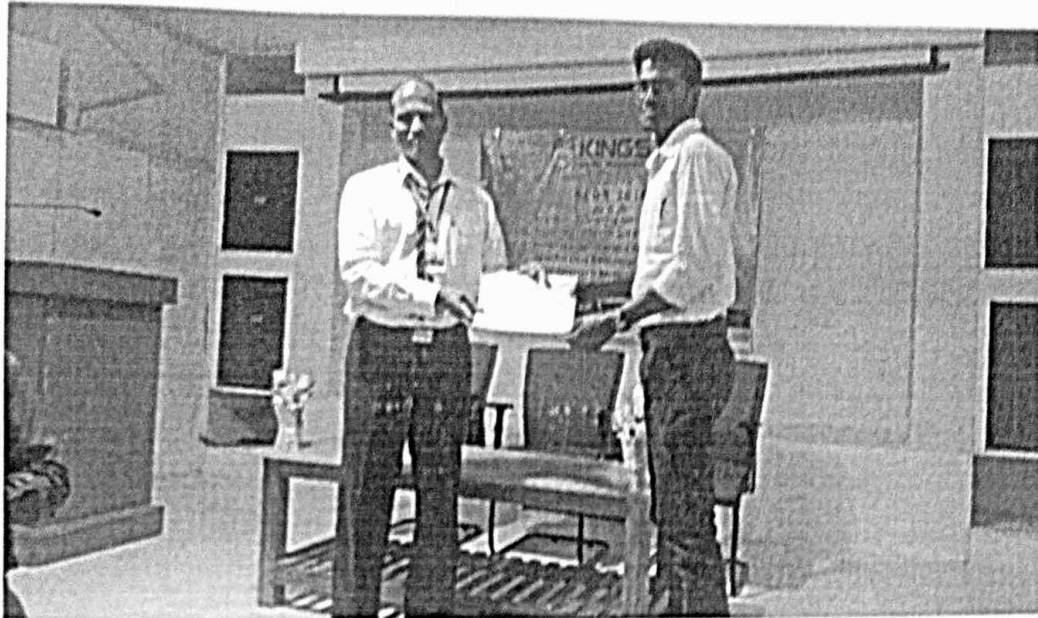
LIST OF RESEARCH ARTICLES

National Conference on Recent Advances in Mechanical Engineering – 2016

TECHICAL SESSION 1	
NCRAME 01	Experimental investigation of geometrical effect on hds-11 dry and wet condition in CNC drilling with various process parameters
	M.Karthikraja, V.Kalaiyaran
NCRAME 02	Experimental investigations and weld characteristics of single pass semi-automatic TIG welding with dissimilar stainless steels
	K.Subbaiyan, V.Kalaiyaran
NCRAME 03	Experimental investigation and optimization of machining parameters for EDM using graphite electrode on Inconel 600
	G.Pragadeeswaran, V.Kalaiyaran
NCRAME 04	Experimental investigation of friction stir welding dissimilar alloys using computerized numerical control machine
	N.Ramanujam, V.Sivaramakrishnan, D.Balaji
NCRAME 05	An experimental investigation on hcher surface property and process parameter on CNC milling machine
	R.Arunmozhivarman, V.Kalaiyaran
NCRAME 06	A Review on Thermodynamic Properties of various fuels, solar cells and nano grid particles for eco friendly power generation.
	Venkatesh. S, M.Babu
NCRAME 07	Developing a model for institutional capacitated vehicle routing problem
	D.Yogendran
NCRAME 08	Effect of surface roughness on titanium alloy in cnc-wedm using response surface methodology.
	S.karikalan, J.Prabakaran,
NCRAME 09	Effect of surface roughness on aa6061 with titanium nickel composite fabricated via friction stir processing
	M.Pradeep, N,Mahesh

NCRAME 10	Fuels for future splitting of hydrogen from water by carbon-graphite method Venkatesh. S , Mathan. S, M.Babu
NCRAME 11	Experimental investigation on the effects of acetone additive with cashew nut shell liquid bio-oil blends in diesel engine T.Pushparaj, P.P.Santharaman
NCRAME 12	Finite element analysis of welding induced residual stresses for duplex stainless steel weld joint using contour method V.Vijayakumar, G.Mathivanan
TECHICAL SESSION 2	
NCRAME 13	Metallurgical investigations of pulsed nd: yag laser welding on austenite steel sheets-ss316 B.Ram vignesh, V.Kalaiyaran
NCRAME 14	Determination of more influencing geometrical parameter of spring back angle on wipe bending of sheet metal using response surface regression Sowndarapandiyan. V, Loganathan.V
NCRAME 15	The comparative study on performance and emission characteristics of cotton seed oil and rice bran oil methyl esters in compression ignition engine C.elajchet senni ,R.Raj mohan
NCRAME 16	A comprehensive analysis of the latest technologies for controlling nox and sox emissions in mobile and stationary sources and their scope for improvement Arum M, Ramesh, K. Jothibasu
NCRAME 17	Process optimization and experimental investigation on the performance of di engine fuelled with mahua fatty acid methyl ester and its blends S. Dhakshinamoorthya, S.Thulasiramb
NCRAME 18	Design of toy car compression plate core and cavity Lelamaram, S. S. Vetrivel, P. Malaiselvaraja
NCRAME 19	Experimental investigation of aluminium alloy reinforced with Zr ₂ SiO ₄ - b ₄ c by using amc's N.Anatharaman, V.Vinoth kannan

NCRAE 20	Optimization methods, techniques and their themes for renewable energy conversion system - A review
	M.Babu, J.Jennifer Ranjani
NCRAE 21	Optimum design of dynamic vibration absorber for boring process
	V.Brahadeeswaran ,R.Suriyamurthy
NCRAE 22	Influence of friction stir welding parameters on microstructural and mechanical properties of dissimilar aa6061 and aa7075 alloy joints
	M.Melwin Jagadeesh Sridhar, B.Adichelvan
NCRAE 23	Effect of molasses as a blending agent with metonal gasoline fuel engine emission
	H.Agilan, R.Shankar
NCRAE 24	Design and fabrication of solar water heater
	T.Tamilselvan ,T.Muralidharan , K.Jothibasu
NCRAE 25	Experimental Investigation on Emission Characteristics of Diesel Engine using Sunflower oil and Diesel blends
	K.R.Kavitha, R.Suriyamoorthy, Mrs.Lilly Mercy
NCRAE 26	An investigation on analysis of effective strain induced on AA6061 processed
	R.Raj mohan , C.Elajchet senni
NCRAE 27	Design Fabrication of Eco friendly Aqua silencer
	G.Sarathkumar, S.Santhosh Sathish kumar



Dr.T.Pushpraj, HOD/Mech, KCE, distributed the certificate to the participant in the conference

Valedictory Function: Time – 4.00 pm

In Valedictory function, Dr.T.Pushpraj, HOD/Mech, KCE, distributed the certificate to the participants, Finally, Vote of thanks for the valedictory function was given by Prof.R.Shankar, organizing secretary of the National Conference. The one day National Conference on Recent Advances in Mechanical Engineering – 2016, successfully came to an end which provided a resource platform as a knowledge hub to all the academicians and the researchers with fullest support from the management, Principal, Organizing committee, Event Management committee and Faculties and all others who has directly or indirectly who helped in organizing this conference.