



KIT-Estd. 1986



Report on

“National Conference (Mechmastic-2k17)”

and

“South India Project Exhibition (SIPE-2k17)”

Date: 18/05/2017 and 19/05/2017

Sl. No.	Adjudicator
01	Dr. Rajashekhar Aradya
02	Dr. P B Devaraj
03	Dr. T M Chadrashekharaiiah
04	Mr. Suresh R



KIT-Estd. 1986

Kalpataru Vidya Samsthe ® Estd. 1961
KALPATARU INSTITUTE OF TECHNOLOGY
(Affiliated to Visvesvaraya Technological University & approved by AICTE, New Delhi)
N.H 206, Tiptur – 572 202, Karnataka, INDIA.

①

Department of Mechanical Engineering

Ref. No.: KIT/MED/12/2017

Date : 14/02/2017

To,

The Principal

KIT-Tiptur

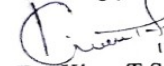
Respected Sir,

Sub: 'Regarding conducting 3rd National conference **MECHMASTIC-2k17** and **SIPE-2k17**'

With reference to above cited subject, we the Dept. of Mechanical Engineering had successfully organized two National conferences (MECHMASTIC 2k11 and MECHMASTIC 2k13). This time we are planning to organize one day National conference (MECHMASTIC 2k17) and South Indian Project Exhibition (SIPE-2k17) for both UG and PG students. The probable dates for conduction of above said event are May 4th and 5th 2017. This event will provide opportunity for the students of our department and help to attain brand value of our institution.

Kindly permit us to do the same.

Thanking you


(Dr. Kiran T.S.)
Chief Convenor

Forwarded to Principal
16/02/17
do the needful
14/02/2017
HEAD OF THE DEPARTMENT
DEPT. OF MECHANICAL ENGINEERING
KIT - TIPTUR - 572202

permitted

KS

14/02/17



Kalpataru Vidya Samsthe (R) Estd : 1961

KALPATARU INSTITUTE OF TECHNOLOGY

(Affiliated to Visvesvaraya Technological University, Belgaum & Recognised by A.I.C.T.E., New Delhi)

N.H. 206, B.H. Road, TIPTUR - 572 201, Karnataka, INDIA.

Ph : +91-8134 - 251267, 251938 Fax : +91-8134 - 251939, Mobile : 97400 16919,

www.kittiptur.ac.in, principal@kittiptur.ac.in



Ref No. : 3334/2017-18

Date 27/04/2017

To,
Dr. Karisiddappa
Vice Chancellor
VTU-Belagavi

Dear Sir,

Sub: 'Requisition to sponsor for National conference (MECHMASTIC-2k17) and South India Project Exhibition (SIPE-2k17)'

Kindly circulate to all VTU affiliated colleges and upload in VTU website

With reference to above cited subject, the Dept. of Mechanical Engg., KIT-Tiptur are organizing 3rd National conference (Mechmastic-2k17) and South India Project Exhibition (SIPE-2k17) on 18th & 19th May 2017.

The total strength of our college is nearly 1800+ and we have invited students from almost all engineering colleges in south India (Maharastra, Goa, Karnataka, Tamilnadu, Andra Pradesh, Telangana, Pondichery and Kerela). We are organizing the event for the 3rd time and the total turnout of students from other colleges is around 200+.

We had received a sponsorship amount of Rs. 10,000/- (Rupees Ten thousand only) from VTU, Belagavi in the year 2011 (Ref No. VTU/Aca/A6/2011-12/8176 dated 19th October 2011) which was our first event. We kindly request you to sponsor the event.

We are hereby attaching the printed poster and brochure of 2017 event where the logo of VTU is printed.

Kindly circulate to all VTU affiliated colleges and upload in VTU website

Thanking you,

Yours faithfully,

Dr. K. N. Bhanuprakash
Principal
Kalpataru Institute of Technology
TIPTUR - 572202

Encl: 1. Brochure
2. Poster



Visvesvaraya Technological University

"Jnana Sangama"

Belagavi - 590 018, Karnataka State.

Dr. Karisiddappa, B.E. M.Tech., Ph.D.
Vice Chancellor



Phone : (0831) 2405454
Fax : (0831) 2405456

Ref. No.: VTU/VCS/2017-18/39

Date: 11-5-2017

MESSAGE

It is a matter of pride to note that Department of Mechanical Engineering of Kalpataru Institute of Technology, Tiptur, is organizing 3rd National Conference 'Mechmastic -2k17' and South India project Exhibition 'SIPE-2k17' on 18th and 19th May 2017.

I wish the National Conference 'Mechmastic-2k17' and the Project Exhibition 'SIPE-2k17' to provide platform to the faculty, technocrats, scientists, experts, specialists and professionals, for detailed deliberations on recent advancements and exchange of views and ideas in these frontier areas.

I wish the Conference and the Exhibition, all the success and I wish the organizers of this mega event, Faculty and students of the College, all the best in this endeavour.

My best wishes to all the participants of this National Conference.


Dr. Karisiddappa
Vice Chancellor

To: The Principal, Kalpataru Institute of Technology, Tiptur.

Phone: (0831)-2405454, Fax: (0831)-2405456, e-mail: vc@vtu.ac.in, website: www.vtu.ac.in



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N.H 206, Tiptur - 572 202, Karnataka, INDIA.

Department of Mechanical Engineering

KIT-Estd. 1986

Ref. No.: KIT/MED/48/2017

Date : 14/02/2017

To,
The Principal
KIT-Tiptur

Respected Sir,

Sub: 'Expenditure for the proposed 3rd National conference MECHMASTIC-2k17 and South Indian Project Exhibition SIPE-2k17'

With reference to above cited subject, I Dr. Kiran T.S., Professor in Dept. of Mechanical Engineering, KIT-Tiptur and chief convener of MECHMASTIC-2k17 and SIPE-2k17 would like to give the list of probable expenditure that will arise during the conduction of the conference and project exhibition.

Sl. No.	Particulars	No's	Approx. cost
1	Printing (Poster, Brochure, Letter head, Invitation etc)	200	20,000/-
2	Printing 'Book of Abstract'	150	20,000/-
3	Certificates	150	3,000/-
4	Breakfast/ lunch/ high tea		10,000/-
5	Postal charges		6,000/-
6	Adjudicators (TA/DA)	06	24,000/-
7	Remuneration for keynote address	01	5,000/-
8	Bag/ file (Pen, note pad, ID card, CD)	80	20,000/-
9	Prize money		25,000/-
10	Accommodation		5,000/-
11	Mementos	06	3,000/-
12	Miscellaneous		5,000/-
Total			1,46,000/-

(One lakh forty six thousand rupees only)

Kindly sanction the said amount for successful conduction of the conference & project exhibition and do the needful.

Thanking you

(Dr. Kiran T.S.)
Chief convener

Forwarded to principal
for needful action
14/2/17
HEAD OF THE DEPARTMENT
DEPT. OF MECHANICAL ENGINEERING
KIT - TIPTUR - 572202

Forwarded to
treasurer
KB
14/02/17

National conference	Project exhibition
18-05-2017	19-05-2017
Rs. 200/-	Rs. 500/-

Participating for (✓): ☐ Mechmastic2k17 ☐ SIPE2k17

Faculty/Research scholars/UG/PG:

Industry:

Area of Research:

Department:

Institution Address:

Address for Correspondence:

e-mail:

Job No. :

.....

Name :

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int .....

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Signature of the applicant

Signature and Seal of the
Head of the Institute/Sponsoring Authority

Dr. Chandrashekharaiah T M
Mr. Shivayogi M J
Mr. Eshwariah K S
Mr. Siddalingaprasad T S
Mr. Aradhya S M
Mr. Basavaraj Ganiger
Mr. Deepak Kumar N Y
Mrs. Mamata Sarangamath
Mr. Dileep H B
Mr. Sandeep K
Mr. Madhu P S
Mr. Narendra Kumar S C
Mrs. Naveena Kumari
Mr. Brijesh C
Mr. Pruthwiraj J M
Ms. Pallavi B A
Mr. Ajay C K
Mr. Anil K

Dr. Viswanatha B M, HOD Mechanical Engg.

Dr. Kiran T S Ph : 9844113298

(National Conference 'Mechmastic-2k17)

Mr. Rohithkumar H V Ph : 9901467743

Mr. Mahanthesh G Ph : 9880016505

Mr. Mallikarjuna G B Ph : 9611132268

Mr. Harikesha C R Ph : 7899829322

Mr. Sanjay H M Ph : 9611118987

Mr. M N Channappagoudra Ph : 8050900743

Mr. Shashidhar Ph : 8497839664 (Mechnastic-2k17)

Mr. Prajwal Ph : 9480647840 (Mechnastic-2k17)

Mr. Abhishek Ph : 8971027461 (SIPE-2K17)

Mr. Sajith Ph : 9483935796 (SIPE-2K17)



Organised by:



Department of Mechanical Engineering
Kalpataru Institute of Technology

(Affiliated to VTU, Belagavi and
Recognized by AICTE, New Delhi)
B.H.Road, TIPTUR-572 201, Karnataka,
Ph: 08134-251267, Fax No: 08134-251939
www.kittiptur.ac.in

About Tiptur

Tiptur is a Taluk and sub-divisional headquarters in Tumakuru District, Karnataka. It is situated along Bengaluru -Honnar National Highway No. 206 at a distance of 142 km from the state capital Bengaluru. Tiptur has supposedly got its name from the word 'Tipatala' which means dried coconut/copra. Kalpataru Vidya Samsthe (KVS) plays a key role in catering to the needs of learners in and around Tiptur.

About Organizing Institute

Kalpataru Institute of Technology (KIT) is a part of KVS. KIT was established in 1986 with a view to provide technical education to the rural youth. The college is affiliated to Visvesvaraya Technological University, Belagavi and is recognized by All India Council for Technical Education (AICTE), New Delhi. The 28 year old college has an excellent team of qualified, experienced and dedicated faculty members with all the required infrastructure. The college campus is located on the outskirts of the town at a distance of about 2 km. from Railway station and Bus Stand.

About the Department

The department was established in the year 1992 with a present intake of 120. The department is currently headed by Dr Viswanatha B M, Professor & HOD. The department is blessed with highly experienced, qualified and committed faculty members. The Department has research centre recognized by VTU, Belagavi and Tumkur University & received Rs. 20 lakh grant from VGST Govt. of Karnataka. The department organizes National conferences, symposiums, workshops and seminars under Mechanical Engineering Association (MEA) every year.

Chief Patron

Sri P. K. Thipperudrappa Sri. T S Shivaprasad
President KVS Treasurer KVS

Patrons

Vice President KVS Secretary KVS
Sri. S S Nataraj Prof. Rajakumar
Sri. G K Prabhu Sri. B R Vishwanath
Sri. A M Chandrashekaraiiah Sri. K P Rudramuniswamy
Sri. T U Jagadeeshamurthy

Advisory Committee

Dr. Basavarajappa S, Registrar, IIIT Dharwad
Dr. Prasanna Kumar M, UBDTCE Davanagere
Dr. Desilva, Director Placement VTU Belagavi
Dr. Samuel, IIT Madras
Dr. Narendranath S, NITK, Surathkal
Dr. Venkateshwarulu, NAL, Bengaluru
Dr. Bharateesh, CEC, Bengaluru
Dr. Subramanyaswamy S, BIET, Davanagere
Dr. Rangaswamy T, GEC, Hassan
Dr. Shivashankar G S, SIT, Tumkuru
Dr. Nagesh N, UBDTCE Davanagere
Dr. Girish D P, GEC Ramanagar
Dr. Mahadevaswamy P, DBIT, Bengaluru
Dr. Mruthunjaya M, JSSATE, Bengaluru
Dr. Shashidara S M, SIET, Tumakuru
Dr. Sanjeevmurthy, SSIT, Tumakuru
Dr. Nagabhushana H, Chairmen, Tumkur University
Dr. Nagabhushana B M, MSRT, Bengaluru
Dr. Reddappa N, BIT, Bengaluru
Dr. Suresh P M, ACS, Bengaluru
Dr. Shivakumar S, KLSGIT, Belagavi
Dr. Govindaraju H K, BMSIT, Bengaluru
Dr. Pradeepa T K, United Kingdom
Dr. Manjaiah, France
Dr. Manohar, SJMIT, Chitradurga
Dr. Girish, ACS, Bengaluru
Dr. Devendra K., SKSVMACET, Laxmeshwara

About National Conference (Mechmastic2k17)

Mechmastic2k17 aims to fasten between faculties, researchers, practitioners, and students from various domains from Mechanical Engineering, Automotive, Aeronautical, Nanotechnology, Robotics and Automation. This conference is to provide significant opportunity to address global challenges, share solutions, advancement of mechanical engineering worldwide and discuss future research directions.

About SIPE-2k17

The south India Project Exhibition (SIPE-2k17) is organized for the first time in Dept. of Mech. Engg. to facilitate the students who carryout projects for their academics. We are providing a platform for the budding engineers of future who are the builders of our nation.

Call for Papers

Original research papers from Faculty, Research scholars and Students (UG/PG) from Academics, R&D Organizations on the mentioned themes and related topics. The full papers should be sent by email to the convenor.

Conference Topics

- Advanced Materials & Nano technology
- Renewable energy
- Thermal Sciences
- CAD and Product Development
- Artificial intelligence
- Robotics and Automation
- Mechatronics
- Automotive Engineering
- Aerospace Engineering
- Rapid prototyping

Registration Details

It is essential that at least one of the authors of the accepted papers and of the participant register to contribute in the conference for oral presentation. Authors have to pay the registration fee by way of Demand Draft drawn in favour of "The Principal, KIT, Tiptur" payable at Tiptur.

No TA, DA will be issued. Accommodation will be given to participants staying 200km away.

Category of Registration Fee

Mechmastic2k17

Faculty/Research scholars/UG/PG/
Delegates from Industries

Rs.200

SIPE2k17

UG/PG

Rs.500

Important Dates

Full Paper Submission	05/05/2017
Acceptance Notification	08/05/2017
Registrations start	10/05/2017
Registration Ends	17/05/2017
National Conference Date	18/05/2017
SIPE-2k17	19/05/2017

Note: Participants can send their full length paper to this e-mail id :

mechmastic2k17@gmail.com



Kalpataru Vidya Samsthe (R) Estd : 1961

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Ph : +91-8134 - 251267, 251938 Fax : +91-8134 - 251939, Mobile : 97400 16919,

www.kittiptur.ac.in, principal@kittiptur.ac.in



Ref No. : 3407/2017-18

Date 13/06/2017

To,
The Registrar
Visvesvaraya Technological University
Jnana Sangama
Belagavi

Dear Sir,

Sub: "Conveying gratitude regarding financial assistance for conducting 3rd National Conference Mechmastic-2k17 and South India Project Exhibition-SIPE 2k17, (Ref. No. VTU/Aca/A-12/2017-18/1491)"

With reference to the above, I had requested Visvesvaraya Technological University (VTU, Belagavi) to sponsor our departmental activity (under the banner of Mechanical Engineering Association) 3rd National conference and South India Project Exhibition, that was scheduled on 18th and 19th May 2017.

We are grateful to you for having considered our request and sanctioned an amount of Rs. 10,000/- (Rupees Ten thousand only, Cheque No. 641216 dated 26/05/2017 of SBM) towards conduction of the above said event. I thank VTU, Belagavi on behalf of Department of Mechanical Engineering, KIT-Tiptur for the financial assistance and support.

I am herewith enclosing the Proceeding copy, Certificate and expenditure for the said event along with this thanks letter.

Thanking you,

(Dr. Nandeeshiah)

Principal

Kalpataru Institute of Technology
TIPTUR - 572202

- Encl: 1. Proceeding copy
2. Certificate
3. Photographs
4. Expenditure of event
5. Sponsor letter
6. Bill



Kalpataru Vidya Samsthe (R) Estd : 1961

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Ph : +91-8134 - 251267, 251938 Fax : +91-8134 - 251939. Mobile : 97400 16919,

www.kittiptur.ac.in, principal@kittiptur.ac.in



Ref No.: 334-1/2017-18

Date 05/05/2017

To,

Sri Basavaraj Rayareddi
Honorable Minister
Karnataka State Higher Education Council
Government of Karnataka
Karnataka State

Dear Sir,

Sub: 'Requisition for your endorsement message to be published in the Conference Proceeding'

We are pleased to inform you that our college Kalpataru Institute of Technology, Tiptur is organizing 3rd National conference (Mechmastic-2k17) and South India Project Exhibition (SIPE-2k17) on 18th & 19th May 2017 in our campus. We are planning to bring out a 'conference proceeding' with ISBN recognition. In this regard, we request you to send a message for the successful conduction of the event organized by Department of Mechanical Engineering.

With reference to the above objective of the event, we would appreciate your endorsement message with your photograph, for added value in our 'Conference proceeding'.

Thank you in advance for your understanding and endorsement.

With warm regards

M. Nandeeshaiah

(Dr. B M Nandeeshaiah)



Kalpataru Vidya Samsthe (R) Estd : 1961

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www.kittiptur.ac.in, principal@kittiptur.ac.in



Ref No. : 3406/2017-18

Date 13/06/2017

To,
Dr. C K Subbaraya
Chairman-ISTE
Karnataka Section

Dear Sir,

Sub: "Conveying gratitude regarding financial assistance for conducting 3rd National Conference Mechmastic-2k17, (Ref: ISTE/KS/2017/018)"

With reference to the above, I had requested Indian Society for Technical Education (ISTE) to sponsor our departmental activity (under the banner of Mechanical Engineering Association) 3rd National conference and South India Project Exhibition, that was scheduled on 18th and 19th May 2017.

We are grateful to you for having considered our request and sanctioned an amount of Rs. 5,000/- (Rupees five thousand only, Cheque No. 872007 dated 30/05/2017 of SBM) towards conduction of the above said event. I thank ISTE-Karnataka section on behalf of Department of Mechanical Engineering, KIT-Tiptur for the financial assistance and support.

I am herewith enclosing the Proceeding copy, Certificate and expenditure for the said event along with this thanks letter.

Thanking you,

(Dr. Nandeeshaiyah)

Principal

Kalpataru Institute of Technology,
TIPTUR - 572202

- Encl: 1. Proceeding copy
2. Certificate
3. Photographs
4. Expenditure of event
5. Sponsor letter
6. Bill



Kalpataru Vidya Kashtha @ Tiptur - 1991

KALPATARU INSTITUTE OF TECHNOLOGY

(Affiliated to Visvesvaraya Technological University & approved by AICTE, New Delhi)

Department of Mechanical Engineering

B.H. Road, TIPTUR-572 201, Karnataka, Ph: 08134-251267, Fax No: 08134-251939 www.kitiptur.ac.in

3rd National Level Conference "Mechmastic 2k17"

&

South India Project Exhibition (SIPE-2k17)

Ref: KIT/MED/49/2017

Date: 16/05/2017

To,

Dr. Rajashekararadhya

Professor

Dept. of Electronics & Communication Engg.,

Kalpataru Institute of Technology

Tiptur

Dear Sir,

Sub: A kind request to be the adjudicator for the National conference (Mechmastic-2k17) at our campus on 18th May 2017.

Apropos the aforesaid subject, I am pleased to inform you that our college Kalpataru Institute of Technology, Tiptur is organizing a National conference (Mechmastic-2k17) at our campus on Thursday, 18th May 2017. The conference will kick-off with an inaugural ceremony on 18th May 2017 which would be followed by technical sessions entailing paper presentation that is expected to stretch for a day.

I request you to confer upon us the honor of being adjudicator on 18th May 2017. The detailed version of the program will be duly mailed to you.

We are eagerly awaiting your positive assent in this regard.

With warm regards,

Dr. Kiran T S (9844113298)

Chief convener

Mechmastic-2k17

Dr. Viswanatha B M

HEAD OF THE DEPARTMENT

DEPARTMENT OF MECHANICAL ENGINEERING

KALPATARU INSTITUTE OF TECHNOLOGY



Kalpataaru Vidyapeetha ೩೦.೦೩.೧೯೭೧
KALPATARU INSTITUTE OF TECHNOLOGY
(Affiliated to Visvesvaraya Technological University & approved by AICTE, New Delhi)

Department of Mechanical Engineering
B 11 Road, TIPTUR-572 201, Karnataka, Ph: 08134-251267, Fax No: 08134-251939 www.kitiptur.ac.in
3rd National Level Conference "Mechmastic 2k17"
&
South India Project Exhibition (SIPE-2k17)

Ref: KIT/MED/66/2017

Date: 15/05/2017

To,

Dr. Devaraja P B
Associate Professor
Dept. of Physics
Kalpataru Institute of Technology
Tiptur

Dear Sir,

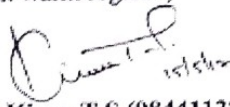
Sub: A kind request to be the adjudicator for the National conference (Mechmastic-2k17) at our campus on 18th May 2017.


Apropos the aforesaid subject, I am pleased to inform you that our college Kalpataru Institute of Technology, Tiptur is organizing a National conference (Mechmastic-2k17) at our campus on Thursday, 18th May 2017. The conference will kick-off with an inaugural ceremony on 18th May 2017 which would be followed by technical sessions entailing paper presentation that is expected to stretch for a day.

I request you to confer upon us the honor of being adjudicator on 18th May 2017. The detailed version of the program will be duly mailed to you.

We are eagerly awaiting your positive assent in this regard.

With warm regards,


Dr. Kiran T S (9844113298)
Chief convener
Mechmastic-2k17


Dr. Viswanatha B M
HEAD OF THE DEPARTMENT
DEPT. OF MECHANICAL ENGINEERING
KIT - TIPTUR - 572202



Kalpataru Vidya Samithi & Estd. 1961

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3rd National Level Conference "Mechmastic 2k17"

&

South India Project Exhibition (SIPE-2k17)

Ref: KIT/MED/65/2017

Date: 15/05/2017

To,

Dr. T M Chandrashekharaiiah
Professor, R & D Head
Dept. of Mechanical Engineering
Kalpataru Institute of Technology
Tiptur

Dear Sir,

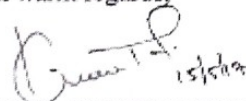
Sub: A kind request to be the adjudicator for the National conference (Mechmastic-2k17) at our campus on 18th May 2017.


Apropos the aforesaid subject, I am pleased to inform you that our college Kalpataru Institute of Technology, Tiptur is organizing a National conference (Mechmastic-2k17) at our campus on Thursday, 18th May 2017. The conference will kick-off with an inaugural ceremony on 18th May 2017 which would be followed by technical sessions entailing paper presentation that is expected to stretch for a day.

I request you to confer upon us the honor of being adjudicator on 18th May 2017. The detailed version of the program will be duly mailed to you.

We are eagerly awaiting your positive assent in this regard.

With warm regards,


Dr. Kiran T S (9844113298)
Chief convener
Mechmastic-2k17


Dr. Viswanatha B M
HEAD OF THE DEPARTMENT
DEPT. OF MECHANICAL ENGINEERING
KIT - TIPTUR - 572202



Kalpataru Vidya Samsthe @ Estd. 1961
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Department of Mechanical Engineering
B.H.Road, TIPTUR-572 201, Karnataka, Ph: 08134-251267, Fax No: 08134-251939 www.kittiptur.ac.in

3rd National Level Conference "Mechmastic 2k17"
&
South India Project Exhibition (SIPE-2k17)

Ref: KIT/MED/62/2017

Date: 15/05/2017

To,

Mr. Suresh R
Project Manager
Mechanical Engineering (Simulation)
Weatherford
Mumbai

Dear Sir,

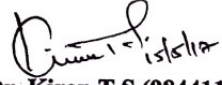
Sub: A kind request to be the adjudicator for the South India Project Exhibition (SIPE-2k17) at our campus on 19th May 2017.

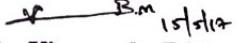
Apropos the aforesaid subject, I am pleased to inform you that our college Kalpataru Institute of Technology, Tiptur is organizing a South India Project Exhibition (SIPE-2k17). The day will kick-off with an inaugural ceremony on 19th May 2017 which would be followed by project exhibition that is expected to stretch till 1.00 pm.

I request you to confer upon us the honor of being adjudicator on 19th May 2017. The detailed version of the program will be duly mailed to you.

We are eagerly awaiting your positive assent in this regard.

With warm regards,


Dr. Kiran T S (9844113298)
Chief convener
Mechmastic-2k17


Dr. Viswanatha B M
HEAD OF THE DEPARTMENT
DEPT. OF MECHANICAL ENGINEERING
KIT - TIPTUR - 572 202.

List of Paper –National Conference

18th May

Registration for 3rd National Conference – Mechastic2k17

Mechmastic 2k17

Paper ID	Author/s	College name	DD No. /Cash	Bank	Date of DD	Signature	Attendance Issued	No. of Certificates	Total Amount (Rs.)
ME_2k17_01	C.Akshatha	KIT, Tiptur	—	—	—		✓	21	—
ME_2k17_02	Sumukha N V	CIT Gubbi	052596	Axis	12/5/17	Sumukha N V	✓	1+4	200/DD 400/-
ME_2k17_03	Bharath M	SSIT, Tumkur.	DD 750473	Syndicate	Synd	Bharath M	✓	1	DD 200/-
ME_2k17_04	Rajesh A	BIT, India							
ME_2k17_05	Prajwal J Poojary	SMVITM, Udupi,	DD 352301	Canara	12/5/17	Prajwal J Poojary	✓	1+4	DD 200/- 400/-
ME_2k17_06	Naveen Kalasapur	K.L.E. IT Hubli							
ME_2k17_07	Prof. Rakeshkumar G	VSMIT, nipani							
ME_2k17_08	MOHAN KUMAR S	SSIT, Tumkur	750476	Syndicate	15/5	MOHAN KUMAR S	✓	1+2	200/- 200/DD
ME_2k17_09	Rangegowda N G	KIT, Tiptur	—	—	—	Rangegowda N G	—	1	—
ME_2k17_10	Lokesha N	KIT, Tiptur	—	—	—	Lokesha N	—	1	—
ME_2k17_11	Somashekar C	BIT Bengaluru							
ME_2k17_12	Manjula S	GEC, Hassan	Cash	—	—	Manjula S	✓	1+2	200/- +200

Registration for 3rd National Conference – Med. Plastic2k17

Paper ID	Author/s	College name	DD No. /Cash	Bank	Date of DD	Signature	Attendance Issued	No. of Certificates	Total Amount (Rs.)
ME_2k17_13	Nandini T R	KIT, Tiptur	—	—	—	Nayana S	—	1	—
ME_2k17_14	A.J.K.Prasad	Sir MVIT, Bangalore	cash	—	—	A.K.Prasad 18/05/17	✓	1	200/-
ME_2k17_15	SANDEEP BHATTACHARJEE	K.L.E. IT, Hubli							
ME_2k17_16	Sajith K M	CIT, Gubbi	682583	SBI	11/5/17	Sajith	✓	1+2	200/DD 200/-
ME_2k17_17	Gagana B A	KIT, Tiptur							
ME_2k17_18	Komala	KIT, Tiptur							
ME_2k17_19	Arunakumara	CIT, Gubbi	682581	SBI	11/5/17	Arunakumara 18/05/17	✓	1+2	200/DD 200/-
ME_2k17_21	Mr. Yuvaraj Dhondiram Patil	VSM IT NIPANI							
ME_2k17_23	Mr. Vipinraj R	Wayanad, India	887329 DD	Canara	887329	Vipinraj R 18/05/17	✓	1	DD 200/-
ME_2k17_24	Manjula S	GEC Hassan	Cash	—	—	Manjula S	✓	1+2	200/- 200/-
ME_2k17_25	Darshith S	Srinivas IT, Mangalore.	384162	Canara	12/5/17			1+4	200/- 400/-

Registration for 3rd National Conference – Medica2k17

Paper ID	Author/s	College name	DD No. /Cash	Bank	Date of DD	Signature	Attendance Issued	No. of Certificates	Total Amount (Rs.)
ME_2k17_26	Abiramm BR	Acharya IT Bangalore							
ME_2k17_27	USHA HEBBAR K R	KIT, Tiptur	—	—	—	Usha.K.R	—	1	—
ME_2k17_28	Nandana Shyama P	VCET, Puttur	317287	Canara	5/5/17	N.Vinayak Nandana	✓	1 1+4	200- DD 400- cash
ME_2k17_29	Rajesh A M	S.J.M.I.T, Chitradurga,	Cash	—	—	Rajesh A M	—	1	200/- 300/-
ME_2k17_30	Shankar S.T	KIT, Tiptur	—	—	—	Shankar S.T	—	1	—
ME_2k17_31	Shivaprasad Akkisagar	K L E I T, Hubballi							
ME_2k17_32	Puneeth R.T	KIT, Tiptur	—	—	—	Puneeth R.T	—	1	—
ME_2k17_33	Rajesh A	BIT, India							
ME_2k17_34	P. A. Harari	SGMCOE, Maharashtra	Cash	—	—	P.A. Harari	—	1	200/-
ME_2k17_35	P. A. Harari	SGMCOE, Maharashtra	Cash	—	—	P.A. Harari	—	1	200/-

Registration for 3rd National Conference – Meccanistic2k17

Paper ID	Author/s	College name	DD No. /Cash	Bank	Date of DD	Signature	Attendance Issued	No. of Certificates	Total Amount (Rs.)
ME_2k17_36	Sunith kumar Sharma	KIT, Tiptur	—	—	—	<i>Sunith Kumar</i>	—	1	—
ME_2k17_37	Chethan M K	KIT, Tiptur							
ME_2k17_38	Abhishek K G	KIT, Tiptur							
ME_2k17_39	ABHILASH. K. S	KIT, Tiptur	—	—	—	<i>Abhilash K S</i>	—	1	—
ME_2k17_40	Nandabasavaraju	KIT, Tiptur							
ME_2k17_41	Darshan K B	KIT, Tiptur	—	—	—	<i>Darshan K B</i>	—	1	—
ME_2k17_42	Suresh. R	BIET, Davanagere	Cash			<i>Suresh R</i>		1	200/-
ME_2k17_43	Anjaneya M Arjun Kumar YH 9986548581	GMIT, Davanagere	Cash	—	—	<i>Arjun Kumar</i>	✓	3 (1+2)	400/-
ME_2k17_44	Nikhil t	KIT, Tiptur	—	—	—	<i>Nikhil t</i>	—	1	—
ME_2k17_45	Gurudath K P	KIT, Tiptur	—	—	—	<i>Gurudath K P</i>	—	1	—

[Handwritten signature]

Registration for 3rd National Conference – Mechanical2k17

Paper ID	Author/s	College name	DD No. /Cash	Bank	Date of DD	Signature	Attendance Issued	No. of Certificates	Total Amount (Rs.)
ME_2k17_46	TANMAYA.H.J	KIT, Tiptur	—	—	—		—	1	—
ME_2k17_47	ABHILASH. K. S	KIT, Tiptur							
ME_2k17_48	Manojkumar Cn	KIT, Tiptur	—	—	—		—	1	—

✓ ME-2K17-43 : SHRIDHAR G Mundaaragi
Basavaraj. U. C

✓ ME-2K17-02 : Kiran Gowd M.R, Anil kumar k, Sheralbchandra v, vadiraj C

✓ ME-2K17-25 : Venkatesh k.c, Ramesh k, Manjunath SS, James William Machado

✓ ME-2K17-16 : Aravind . M.S , Natesh . C.P → Prajwal. S.P

✓ ME-2K17-08 Shubha. S.K , Shwetha. S.K

✓ ME 2K17-19 Prajwal . S. P , Natesh. CP.

✓ ME 2K17-28 : Vinayaka Nayak N, Madhuraraj. M.N, ATHULSANKER-N,
VCET, Pottur. SANGEETHA B.L

Paper ID	Author/s	Title	College name	Mobile Number	Signature	
ME_2k17_49	Prashanth Kumar. A.P	"Effective solid waste management in the urban & smart cities by transforming the existing waste bins into smart waste bins"	Aryabharathi polytechnic	9844859950	Pune on	200/-
ME_2k17_50	Prashanth Kumar A.P	"Peak to Avg. Power ratio Minimizing Techniques for Helical Interleaved & Orthogonal EDM"	VTU Extension Centre Bengaluru.	---	Pune on	200/-
ME_2k17_51	Umar Ahamed	Significance of intercooler in reciprocating compressors	Jyothy Inst of Tech	9008844534	ye	200/-
ME_2k17_52	Hemanth R	Role of engine control unit in automobiles	"	9980632069	hemanth	200/-
ME_2k17_53	Subramanya N.V.	effective & optimum utilization of superchargers in I.C. Engines	"	9916339740	st	200/-
ME_2k17_54	vibhal v	optimum utilization of geothermal energy	"	8310361165	ad	200/-
ME_2k17_55	Madhvi H.K	A Study on high Temp wear behaviour of forged & heat treated B type tool steel	KIT	9741038769	madhvi H.K	---

Paper ID	Author/s	Title	College name	Mobile Number	Signature
56 ME_2k17_56	Priyanka K.P. ✓(C)	Silver polymer Blend as inter connect for flexible & stretchable Electronics applications	KIT Tiptur	9483935496	
57 ME_2k17_57	SATISH KUNDUR ✓(C)	Parametric Optimization of friction stir welding process on Aluminium alloy AA5083	BIT Bengaluru	9666281142	
ME_2k17_51	Manjunatha. H.N. ✓(C)	Experimental Investigations on mixing of Two Biodiesel blended with diesel as alternative fuel to diesel engine	BIT Tiptur	7406558599	
ME_2k17_52					
ME_2k17_53					
ME_2k17_54					
ME_2k17_55					

Cash → 6100/-
 DD → 1800/-


 7900

} Mechmastic 2k17

SIPE-2k17 Project List:

Registration for South India Project Exhibition (E-2k17)

SIPE - 2k17

Paper ID	Author/s	College name	DD No. /Cash	Bank	DD Amount	Signature	Attendance Issued	No. of Certificates	Total Amount (Rs.)
① SIPE_2k17_01	Aaravind M S C1 Arunakumara	CIT, Gubbi	682582	SBI	500/-			1+4	500/- +400=900/-
① SIPE_2k17_02	Sangeetha B L Nandana Shyam	VCET, Puttur	317287	Canara	500/- DD	N. Vinayaka Nayak	✓	1	500/- DD
SIPE_2k17_03	Privil Rodrigues	CEC, Benjanapadav	cash	-	-		✓	1	500/-
SIPE_2k17_04	yuvraj patil	VSMIT, Nipani							
① SIPE_2k17_05	Darshan K B Harish Pazharinayakan	KIT, Tiptur	-	-	-	Darshan K B	-	-	200/-
SIPE_2k17_06	Sharanya S	CEC, Benjanapadav							
SIPE_2k17_07	Shashidhara C.M	KIT, Tiptur							
① SIPE_2k17_08	Ranganath H P	KIT, Tiptur	cash	-	-	Ranganath H P	✓	1	200/-
① SIPE_2k17_09	Sushmith C S	KIT, Tiptur	cash	-	-	seb	✓	1	200/-
① SIPE_2k17_10	MANOJ KUMAR CN	KIT, Tiptur	cash	-	-	Manoj Kumar	✓	1	200/-
① SIPE_2k17_11	Mr. M.Priyobarta Singh	KIT, Tiptur	cash	-	-	Mr. M. Priyobarta Singh	✓	1	200/-

(Registration for South India Project Exhibition 10/E-2k17)

Paper ID	Author/s	College name	DD No. /Cash	Bank	DD Amount	Signature	Attendance Issued	No. of Certificates	Total Amount (Rs.)
SIPE_2k17_12 (25)	Anmol Kumar	Sir MVIT, Bengaluru							
① SIPE_2k17_13	DARSHAN B C	KIT, Tiptur	Cash	-	-	Darshan B.C.		1	200/-
① SIPE_2k17_14	Kotresh B	KIT, Tiptur	Cash	-	-	Dinesh M.V.	-	1	200/-
① SIPE_2k17_15	Puneeth R.T	KIT, Tiptur	Cash	-	-	Rudresha R.M.	✓	1	200/-
① SIPE_2k17_16	Anil.S	KIT, Tiptur	Cash	-	-	Vishal	-	1	200/-
① SIPE_2k17_17	ABHISHEK K G	KIT, Tiptur	Cash	-	-	AB	-	1	200/-
① SIPE_2k17_18	SHIDDALINGESH.C.BHANGI	KIT, Tiptur	Cash	-	200	Shang	✓	1	200/-
① SIPE_2k17_19	DEVYANSHU RAJ JIVESH KUSHWAHA	Sir MVIT, Bengaluru	Cash	-	-		✓	1+1	600/-
SIPE_2k17_20	Abhilash K S	KIT, Tiptur							

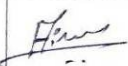


Project ID	Author/s	Title	College name	Mobile Number	Signature	
✓ 1	^C 21 Sachin R.P	Fabrication of pesticides spraying m/c	CIT Gubbi	9538431969	Sachin	500/-
✓ 2	^C 22 Kishor R.	Design + fabrication of water purifier	CIT Gubbi	9964522323	Kishor R.	500/-
✓ 3	^C 23 Ashwin S	Automatic irrigation system	CIT Gubbi	9195779232	A. Ashwin	500/-
✓ 4	^C 24 Mohan R Govoda	Manually operated spot welding m/c	CIT Gubbi	9164721744	Mohan R.	500/-
✓ 5	^C 25 Kirankumar Rokhade	PORTABLE SHUTTER OPERATOR.	CIT DONNA -MPET KODAGU	8762986959	R. R. Thammam	500/- 300/-
✓ 6	^C 26 PRASHANTHA KUMAR A.P	EFFECTIVE SOLID WASTE MANAGEMENT IN THE URBAN & SMART CITIES BY TRANSFORMING THE EXISTING WASTE HANDLING SMART	VTU EXTENSION CENTRE, UTL Bengaluru	9844859950 8553723100	Prashantha	500/-
✓ 7	^C 27 MEGHANA BR PRAKASH RANJITHA VS SAGAR	PORTABLE WATER COOLER USING POWER SAVING TECHNIQUE	MSRIT BENGALURU	9945335787	Meghana	500/- 19/5

1+3
=4

South India Project Exhibition (SIPE-2k17) on 19 May 2017

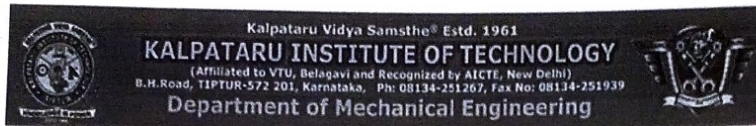
Project ID	Author/s	Title	College name	Mobile Number	Signature	
✓ 28	Shivashankar Swami	Design and Fabrication of Compressed Air Engine.	KIT Tiptur.	9742552363	G. Swami	200/-
9 29	Rangayyada. N.G.	Mulli stage Toll Gate Hump producing electricity	KIT Tiptur.	9964807833	Rangayyada	200/-
10 30	Salman	Fabrication of agricultural motor pump Running with Solar power.	KIT Tiptur	7411007861	Salman	200/-
① 31.	Vaasu Shrivardhan K.S.	Hover Craft.	Cambridge Institute of Technology.	8867320955	Vaasu Shrivardhan	500/-
32 ⑫	CHIRANTH JAIN H.A	Staircase climber	Cambridge Institute of Technology	9206411854	Chiranth Jain	500/-
⑬ 33	Kavi Surya Singh P	Electric Mop	Cambridge INSTITUTE OF TECHNOLOGY.	8892536131	Kavi Singh	500/-
⑭ 34	Sonia.	Solar Air Cooler.	CITECH	9535123706	Sonia	500/-

South India Project Exhibition (SIPE-2k17) on 19 May 2017

Project ID	Author/s	Title	College name	Mobile Number	Signature	
① 35	Ast Akshay.	Air Cooler.	G. TECH	7975214725		500/-
① 36	Vidhya.	Key Reminder.	G. TECH.	8147141640		500/-
① 37	Shashidhar	Howel bike	K.I.T.	8497833664		500/-

cash → 11300/-
 DD → 1000/-
 12300/-

SIPE-2k17



South India Project Exhibition (SIPE2k17)

On 19th May 2017

FEEDBACK FORM

Name: Rakshak G.R.

College name: Cambridge institute of technology

1 Overall rating

a. Needs improvement ☒ b. Average c. Excellent

2 Instructor rating

a. Needs improvement ☒ b. Average c. Excellent

3 Facility rating

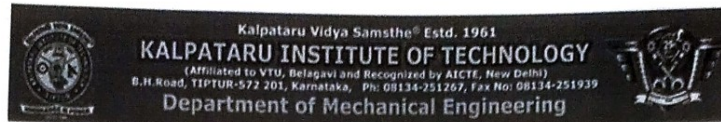
a. Needs improvement b. Average ☒ c. Excellent

4 Time allotted

a. Needs improvement b. Average ☒ c. Excellent

5 Suggestions :

Really its good, I liked the
concept which were performed.



South India Project Exhibition (SIPE2k17)

On 19th May 2017

FEEDBACK FORM

Name: PRASHANTHA KUMAR A.P.

College name: VTU Extension centre, UTL Technology, Bengaluru - 22

1 Overall rating

a. Needs improvement b. Average c. Excellent

2 Instructor rating

a. Needs improvement b. Average c. Excellent

3 Facility rating

a. Needs improvement b. Average c. Excellent

4 Time allotted

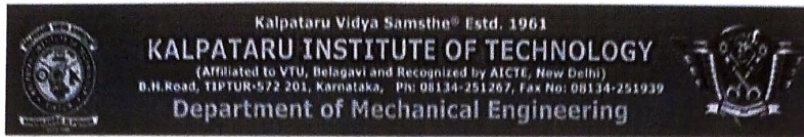
a. Needs improvement b. Average c. Excellent

5 Suggestions :

TRY TO ORGANISE THIS KIND OF PROGRAMS
FOR POLYTECHNIC STUDENTS ALSO.

Thanking you

Prashanth



3rd National Conference (Mechmastic 2k17)

On 18th May 2017

FEEDBACK FORM

Name: Arunakumar

College name: CIT Gubbi Tumkur.

1. Overall rating

a. Needs improvement b. Average c. Excellent

2. Instructor rating

a. Needs improvement b. Average c. Excellent

3. Facility rating

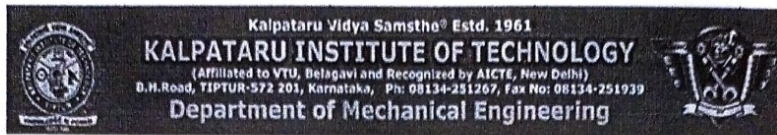
a. Needs improvement b. Average c. Excellent

4. Time allotted

a. Needs improvement b. Average c. Excellent

5. Suggestions :

I needed a facility rating improve-
ment because of please to be pro-
-vided a proper notice last 1h
disturbing to the presenters.



3rd National Conference (Mechmastic 2k17)

On 18th May 2017

FEEDBACK FORM

Name: Shashanugopal

College name: Kalpataru Institute of Technology

1. Overall rating

a. Needs improvement

☒ b. Average

c. Excellent

2. Instructor rating

a. Needs improvement

☒ b. Average

c. Excellent

3. Facility rating

a. Needs improvement

b. Average

☒ c. Excellent

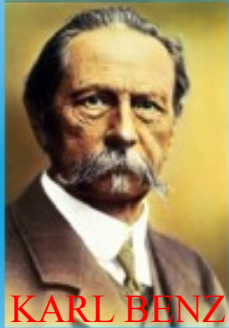
4. Time allotted

a. Needs improvement

b. Average

☒ c. Excellent

5. Suggestions :



KARL BENZ

Born:
25 Nov 1844
Died:
4 Apr 1929

➡ “HE
INVENTED
THE FIRST
MOTOR
CAR”

I DO NOT
KNOW THE
WORD QUIT
EITHER I
NEVER DID OR
I HAVE
ABOLISHED
IT”

-KARL BENZ



Conference Organized



International conference & South Indian Project Exhibition Inauguration function
on **25th May 2017**



International Conference - MECHASTIC 2K17



Releasing of 2nd Edition Newsletter for the year 2016-17
on **25th May 2017**



**MARTIN
COOPER**

Born:
26 dec 1928

➡ “ HE
INVENTED
THE MOBILE
PHONE ”

“THE BEST
WAY TO GET
PEOPLES TO
THINK
OUTSIDE THE
BOX IS NOT
CREATE THE
BOX IN THE
FIRST PLACE”

- Martin Cooper



Project Exhibition



South Indian Project Exhibition 2K17



Fire Project



Vehicle Project



Paper Pencil making Machine



Hydraulic project



KIT-Estd. 1986

Kalpataru Vidya Samsthe ® Estd. 1961
KALPATARU INSTITUTE OF TECHNOLOGY – TIPTUR
(Affiliated to Visvesvaraya Technological University & approved by AICTE, New Delhi)
DEPARTMENT OF MECHANICAL ENGG.



Report on

“Gandhi Global Solar Yatra (GGSY-2K19)”

Date: 02/10/2019



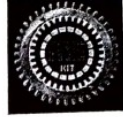
In Association With
National Service Scheme (NSS), KIT, Tiptur
All India Council for Technical Education, New Delhi



An Initiative by
Indian Institute of Technology (IIT), Bombay

Estd. 1986

Kalpataru Vidya Samsthe ® Estd. 1961
KALPATARU INSTITUTE OF TECHNOLOGY
(Affiliated to Visvesvaraya Technological University & approved by AICTE, New Delhi)
N.H 206, Tiptur – 572 202, Karnataka, India.



Department of Mechanical Engineering

Ref. No: KIT/MED/087/2019

2nd Nov, 2019

To,
The Principal
KIT – Tiptur

Respected Sir,

Sub: - Bill Settlement of Advance amount **Rs. 66500** towards conduction of **Gandhi Global Solar Yatra (GGSY)** on 2nd October 2019.

With reference to above cited subject, I here with submitting the bills towards the advance amount of Rs.66500/- (Ref: KIT/MED/079/2019 Dated on 04/09/2019). The details of expenditure bill details are mentioned below:-

Sl. No	Bill No.	Amount in Rs.
01	4479	185
02	033	1360
03	2335	400
04	166	2500
05	1126	1175
06	2291	400
07	36	1900
08	6150	650
09	283	4400
10	UDI925013559397	1250
11	5544	9275
12	AE/1910/513	8160
13	V1	1850
14	V2	2800
15	V3	1300
16	V4	1700
Total Expenditure in Rs. (Thirty nine thousand three hundred and five only)		39305
Advance amount received in Rs. (Sixty six thousand five hundred only)		66500/-
Balance Amount in Rs.		27195/-

Remaining balance amount Rs. 27195/- (twenty seven thousand one hundred and ninety five only) is remitted to the office account and challen is attached herewith. (1161 Dated 2/11/19)

Thanking you,

Yours Sincerely,

[Signature]
HEAD OF THE DEPARTMENT
DEPT. OF MECHANICAL ENGINEERING
KIT TIPTUR 572202.

Estd. 1986

Kalpataru Vidya Samsthe ® Estd. 1961
KALPATARU INSTITUTE OF TECHNOLOGY
(Affiliated to Visvesvaraya Technological University & approved by AICTE, New Delhi)
N.H 206, Tiptur - 572 202, Karnataka, INDIA.



Department of Mechanical Engineering

Ref No: KIT/ MED/ 079/2019

Sept. 4th, 2019

To,
The Principal
KIT-Tiptur

Respected Sir,

Sub: 'Requisition to conduct the **Gandhi Global Solar Yatra** (GGSY) on 2nd October 2019.

With reference to above cited subject, Department of Mechanical Engineering is planning to be organize the **Gandhi Global Solar Yatra** (GGSY) workshop on solar lamp. The workshop will be conducted on the Occasion of **Gandhi Jayanthi**, 2nd October, 2019.

For above workshop, we would like to invite Pre university students in and around Tiptur. The workshop associates will bear the lamp cost themselves and the lamp kit is around INR 510-530. The activity is coordinated by IIT-Bombay collaboration with AICTE and certificate will be issued. This program is planned not only in India but across the globe to promote the idea of Energy Swaraj.

The details of expenditure for the above said program are listed below.

Sl. No.	Particulars	Approx. amount in Rs./-
1	Solar lamp KIT-cost INR 510-530 per lamp for 50 lamps	26500/-
2	Printing (Poster, Brochure, Letter head, Invitation etc)	15000/-
3	TA/DA (invited PU students)	5000/-
4	Working lunch for the participants	10000/-
5	High tea (200 students and staff)	5000/-
6	Miscellaneous (Banner+ Mementos+ Etc.,)	5000/-
Grand total (Rupees sixty six thousand five hundred only)		66500/-

Kindly consider the request and do the needful.

Thanking you

Yours sincerely

Event Coordinator
(Mallikarjuna G B)

Chief Coordinator
Unnat Bharat Abhiyan
(Dr. Kiran T S)

Wk to Sec/ran
Recommended to release
in advance of 25,000
M. S. S. S.
HOD

(Dr. Viswantha B M)
HEAD OF THE DEPARTMENT
DEPT. OF MECHANICAL ENGINEERING
KIT - TIPTUR - 572202.

Gandhi Global Solar Yatra (GGSY- 2K19)
On 2nd October 2019

Registration Form

Name of the participant: _____

I/II PUC: _____

Specialisation: _____

College Name: _____

College Address: _____

Address for Correspondence: _____

E-mail: _____

Mob. No.: _____

Registration Fee Details

Cash / DD No.: _____

Date: _____

Bank Name: _____

Amount: _____

Student Signature

Received Signature

Technical Committee

Dr. Chandrashekharaiah T M

Dr. Kiran T S, Co coordinator, Unnat Bharat Abhiyan

Mr. Shivayogi M J

Mr. Eshwariah K S

Mr. Siddalingaprasad T S

Mrs. Mamata Sarangamath

Mr. Madhu P S

Mrs. Naveen Kumari M E

Mr. Brijesh C

Mr. Anil K

Chairman

Dr. Nandeeshaiiah, M.E., Ph.D., (IIT-B)

Principal, KIT, Tiptur

Chief-Convenor

Dr. Viswanatha B M, HOD Mechanical Engg.

Chief Co-Ordinators

Mr. Mallikarjuna G B

Mr. Dileep H B

Mr. Harikesha C R

Co-Ordinators

Mr. Sandeep K

Mr. Rohith kumar H V

Mr. Mahanthesh G

Mr. Ajay C K

NSS Programme Officers

Mr. R G Charantimath, HOD, Dept of Maths

Mr. Aradhya S M, Dept of Mechanical Engg.

Kalpataru Institute of Technology

(Affiliated to VTU, Belgavi and Recognized by AICTE, New Delhi)
B.H.Road, TIPTUR-572 201, Karnataka, Ph: 08134-251267

Gandhi Global Solar Yatra

(GGSY-2K19)

On 2nd October 2019



ESTD: 1986



Organised by
Department of Mechanical Engineering
KIT, Tiptur

In Association With
National Service Scheme (NSS), KIT, Tiptur
All India Council for Technical Education,
New Delhi

An Initiative by
Indian Institute of Technology (IIT), Bombay

About Organizing Institute

Kalpataru Institute of Technology (KIT) is a part of KVS, the mother institution. KIT was established in 1986 with a view to provide technical education to the rural youth. The college is affiliated to Visvesvaraya Technological University, Belgavi and is recognized by All India Council for Technical Education (AICTE), New Delhi. The 33 year old college has an excellent team of qualified, experienced and dedicated faculty members with the state of the art infrastructure. The college campus is located on the outskirts of the town at a distance of about 2 km. from Railway station and Bus Stand.

About the Department



The department was established in the year 1992 with an initial intake of 30 which further was enhanced in two stages to 60 first and then to 120. The department is currently headed by **Dr. B M Viswanatha**, Professor & HOD. The department is in optimum demand since its inception to till date. The department has well experienced, highly qualified and committed faculty members. The department has 4 Professors with Ph.D degree. The Department has research center recognized

by VTU Belgaum and Tumkur University. Many faculties are pursuing Ph.D in Department of R&D Center. The Research and Development department has received Rs. 20 lakhs grant to setup Tribological study research laboratory and Rs. 30 lakhs grant to set up Energy Conversion Engineering research laboratory from VGST Govt. of Karnataka. The department organizes symposiums, workshops and seminars under Mechanical Engineering Association (MEA) every year.

Chief Patron

Sri P. K. Thipperudrappa	Sri. T S Shivaprasad
President KVS	Treasurer KVS

Patrons

Vice President KVS	Secretary KVS
Sri. S S Natraj	Prof. Rajakumar
Sri. G K Prabhu	Sri. B R Vishwanath
Sri. A M Chandrashekaraiah	Sri. K P Rudramuniswamy
	Sri. T U Jagadeeshamurthy

About GGSY-2k19

The **Gandhi Global Solar Yatra (GGSY- 2K19)** is being organized by the Department of Mechanical Engineering in Association with National Service Scheme (NSS), KIT, Tiptur. To facilitate the students who are in rural area for their studies and to get the knowledge about Solar Energy. We are providing hands-on training of solar lamp assembly and working of SOLAR LAMPS for the students who are future builders of our nation.

The Gandhi Global Solar Yatra (GGSY) is planned to promote self-sufficiency in energy for sustainability,

mainly for those who lack access, as it is possible today to provide complete, cost-effective, reliable and sustainable solar energy access while protecting the environment, creating livelihood and empowering locals. With the vision to promote localized energy self-sufficiency, GGSY aims to sensitize the key governmental and non-governmental officials towards solar energy.

Objective of the Yatra

The young minds need to be aware of the urgency to act for mitigating climate change and their role to become the ambassadors of renewable energy, particularly solar, given its potential to power human lives. To sensitize these young minds, hands-on training for more number of students. The following are the additional objectives of the yatra.

- Bring awareness on the severity of climate change and lack of energy access to billions
- Introduce localized energy self-sufficiency for sustainability and its linkages to Gandhian principles
- Establish viability of 24x7 decentralized off-grid solar solutions (experience sharing of SoULS)
- Spreading the message of Non-Violence towards Environment

Registration Details

Participant have to pay the registration fee through Cash/ Demand Draft drawn in favour of "**The Principal, KIT, Tiptur**" payable at Tiptur.

No TA, DA will be issued.

Registration Fee

Rs. 500



Kalpataru Vidya Samsthe ®

Kalpataru Institute of Technology

B.H.Road, TIPTUR-572 201, Karnataka,

Ph:08134 – 251938, Fax:08134 - 251939



Department of Mechanical Engineering

Cordially invites you to the Inauguration of

Gandhi Global Solar Yatra

(GGSY-2K19)



In Association With

National Service Scheme (NSS), KIT, Tiptur
All India Council for Technical Education,
New Delhi



An Initiative by

Indian Institute of Technology (IIT), Bombay

On 02nd October 2019

Presiding by:

Sri. P.K. THIPPERUDRAPPA

President, KVS, Tiptur

Chief Guest:

Sri. B. C. NAGESH

MLA, Tiptur

Guests of Honor

Vice - President KVS

Sri. S S Natraj

Sri. G K Prabhu

Sri. A M Chandrashekaraiiah

Treasurer of KVS

Sri. T.S. Shivaprasad

Secretary KVS

Prof. Rajakumar

Sri. B R Vishwanath

Sri. K P Rudramuniswamy

Sri. T U Jagadeeshamurthy

Principal, KIT, Tiptur

Dr. Nandeeshaiiah

We Cordially Invite All the Members of Academic Committee.

Dr. Viswanatha B M,

HOD, Mechanical Engineering

Mr. R G Charantimath

NSS Programme Officer

**KIT STAFF & STUDENTS
YOU ARE CORDIALLY INVITED**

Date: 02 October 2019

Time: 10.00 AM

VENUE: KIT Auditorium

Students Attendance

Sl. No.	Student Name	College Name
1	Lohith S N	Kalpataru PU College, Tiptur
2	Sachin V R	Kalpataru PU College, Tiptur
3	Varun Gowda H P	Kalpataru PU College, Tiptur
4	Manikanta R N	Kalpataru PU College, Tiptur
5	Poorvika K	Kalpataru PU College, Tiptur
6	Nandan D	Kalpataru PU College, Tiptur
7	Harshith S	Kalpataru PU College, Tiptur
8	Naveenkumar M	Kalpataru PU College, Tiptur
9	Thanushree R Nayaka	Kalpataru PU College, Tiptur
10	Anisha G	Kalpataru PU College, Tiptur
11	Basavaraj M N	Kalpataru PU College, Tiptur
12	Chaitrashree R Nayaka	Kalpataru PU College, Tiptur
13	Bhavanashree	Govt. PU College , Huliya
14	Anusha D R	Govt. PU College , Huliya
15	Fizafareena	Govt. PU College , Huliya
16	Bindhu D	Govt. PU College , Huliya
17	Nazarath Sulthana	Govt. PU College , Huliya
18	Syed Afefa	Govt. PU College , Huliya
19	Vidyashree H G	Govt. PU College , Huliya
20	Bhagya A R	Govt. PU College , Huliya
21	Chandrika K R	Govt. PU College , Huliya
22	Ruchitha S	Govt. PU College , Huliya
23	Deepak N Naik	Govt. PU College , C N Halli
24	Venugopla M R	Govt. PU College , C N Halli
25	Yashavanth J P	Govt. PU College , C N Halli

26	Rakesh B R	Govt. PU College , C N Halli
27	Devika A	Govt. PU College , C N Halli
28	Anusha B	Govt. PU College , C N Halli
29	Thanuja A C	Govt. PU College , C N Halli
30	Tejashwini H D	Govt. PU College , C N Halli
31	Sushmitha A M	Govt. PU College , C N Halli
32	Sneha D	Govt. PU College , C N Halli
33	Roopashree H L	Govt. PU College , C N Halli
34	Yamuna B R	Govt. PU College , C N Halli
35	Nisarga N	Govt. PU College , C N Halli
36	Priyanka D B	Govt. PU College , C N Halli
37	Preethi K M	Govt. PU College , C N Halli
38	Manasa T C	Govt. PU College , C N Halli
39	Pragnashree N S	Govt. PU College , C N Halli
40	Usha R N	Govt. PU College , C N Halli
41	Ruhi Sumdiya Sultana	Govt. PU College , C N Halli
42	Chandan R S	Govt. PU College , C N Halli
43	Dhanushree G P	Govt. PU College , C N Halli
44	Kusumanjali S V	Govt. PU College , C N Halli
45	Kruthika S	Govt. PU College , C N Halli
46	Harshitha C R	Govt. PU College , C N Halli
47	Divyashree S Bandari	Govt. PU College , C N Halli
48	Nayana J	Govt. PU College , C N Halli
49	Rahul B	SVP PU College, Tiptur
50	N Nagaraju	SVP PU College, Tiptur
51	Harshith B	SS PU College, Tiptur
52	Naveen	SS PU College, Tiptur
53	Vinuth S	Hoysaleshwara PU College, Arasikere

54	Swathi P	Hoysaleshwara PU College, Arasikere
55	Deepak P R	Hoysaleshwara PU College, Arasikere
56	Hemanth M J	Hoysaleshwara PU College, Arasikere
57	Umashrankar	Hoysaleshwara PU College, Arasikere
58	Jasmiya Banu	Hoysaleshwara PU College, Arasikere
59	Sachin G	Hoysaleshwara PU College, Arasikere
60	Divakar	Gurukula PU College, Tiptur
61	Harisha S R	Gurukula PU College, Tiptur
62	Harisha M U	Gurukula PU College, Tiptur
63	Roopa C	Gurukula PU College, Tiptur
64	Umme Mizba	Gurukula PU College, Tiptur
65	Priyanka G S	Gurukula PU College, Tiptur
66	B B Ameena	Gurukula PU College, Tiptur
67	Nagaveni K S	Gurukula PU College, Tiptur
68	Darshan L M	Gurukula PU College, Tiptur
69	Nisarga	Gurukula PU College, Tiptur
70	Rakesh C P	Govt. PU College , Arasikere
71	Shivaprasad	Govt. PU College , Arasikere
72	Darshan K M	Govt. PU College , Arasikere
73	Guru K L	Govt. PU College , Arasikere
74	Yashavantha C N	Govt. PU College , Arasikere
75	Sanju Naik	Govt. PU College , Arasikere
76	Danush T P	Govt. PU College , Arasikere
77	Madhu Naik	Govt. PU College , Arasikere
78	Raghu G	Govt. PU College , Arasikere
79	Gangashree H M	Govt. PU College , Arasikere
80	Satish H B	Govt. PU College , Arasikere
81	Dileep H B	Govt. PU College , Arasikere

82	Ananthashayana S V	Govt. PU College , Tiptur
83	M S Yogeeshwar	Govt. PU College , Tiptur
84	M R Harshitha	Govt. PU College , Tiptur
85	Archana R	Pathibha PU College, Arasikere
86	Padma D	Pathibha PU College, Arasikere
87	Priyadharshini B G	Pathibha PU College, Arasikere
88	Bharath Kumar C	Pathibha PU College, Arasikere
89	Vedamoorthy K S	Pathibha PU College, Arasikere
90	Omkarmoorthy K N	Pathibha PU College, Arasikere
91	Prathiba bai S	Pathibha PU College, Arasikere
92	Nida Iram	Pathibha PU College, Arasikere
93	Nisarga bai P	Pathibha PU College, Arasikere
94	Boomika T	Pathibha PU College, Arasikere
95	Varsha R	Pathibha PU College, Arasikere
96	Prashantha R	Pathibha PU College, Arasikere
97	Sunil T K	Pathibha PU College, Arasikere
98	Divya P K	Pathibha PU College, Arasikere
99	Rashmi K T	Pathibha PU College, Arasikere
100	Nagaraj K	Pathibha PU College, Arasikere
101	Indumathi	Pathibha PU College, Arasikere
102	Rashmi K S	Pathibha PU College, Arasikere
103	Nagashree K N	Pathibha PU College, Arasikere
104	Tejunaik	Pathibha PU College, Arasikere
105	Mohammed Athik	Pathibha PU College, Arasikere
106	Punith K H	Pathibha PU College, Arasikere
107	Prathap	Pathibha PU College, Arasikere
108	Vani B M	Pathibha PU College, Arasikere
109	Kalleshappa Kavadi	Pathibha PU College, Arasikere

110	Rashma Banu	Pathibha PU College, Arasikere
111	Bhoomika J M	Pathibha PU College, Arasikere
112	Mythri G V	Pathibha PU College, Arasikere
113	Prabhakar	Pathibha PU College, Arasikere
114	Purushotham G	Pathibha PU College, Arasikere
115	Ayesha	Pathibha PU College, Arasikere
116	Hamsa	Pathibha PU College, Arasikere
117	Bindhushree	Pathibha PU College, Arasikere
118	Bhavana`	Pathibha PU College, Arasikere
119	Prakruthi	Pathibha PU College, Arasikere
120	Ranjitha	Pathibha PU College, Arasikere
121	Vanitharani C G	Pathibha PU College, Arasikere
122	Rakshitha K N	Pathibha PU College, Arasikere
123	Divya N	Pathibha PU College, Arasikere
124	Dhamappa H D	Pathibha PU College, Arasikere

HONOUR CODE
CERTIFICATE

Issued On: 2019-11-15



STUDENT SOLAR
AMBASSADORS

CERTIFICATE of APPRECIATION

This certificate is awarded to

KALPATARU INSTITUTE OF TECHNOLOGY

for encouraging the students to participate in the Global Student Solar Ambassadors Workshop
organized on 2nd October 2019 to commemorate the 150th Birth Anniversary of
Mahatma Gandhi.

CHETAN SINGH SOLANKI

Professor, Dept of Energy Science and Engineering
IIT Bombay

SUPPORTED BY



This workshop entailed sensitization of participants towards the need to act against climate change; the potential of solar energy to fulfil daily needs and imparting various technical skills to the participants including identification of the solar lamp components, learning the use of a multi-meter, testing of solar panel, circuit, battery, learning to solder and assemble their solar study lamp.

The Honour Code is elaborated on <https://ggsy.in/honor.php>
The authenticity of this certificate can be validated at https://ggsy.in/certificates.php?code=s_2515







KIT-Estd. 1986

Kalpataru Vidya Samsthe ® Estd. 1961
KALPATARU INSTITUTE OF TECHNOLOGY – TIPTUR
(Affiliated to Visvesvaraya Technological University & approved by AICTE, New Delhi)
DEPARTMENT OF MECHANICAL ENGG.



Report on

“3rd South India Project Exhibition (SIPE-2K22)”

Date: 23/06/2022

Sl. No.	Adjudicator
01	Dr. T M Chandrashekariah
02	Mr. Shekhar Gowda
03	Dr.Hadimani Shivakumar
04	Dr.Raviprakash M L



Department of Mechanical Engineering

No.: KIT/MED/012/2022

Date : 18/04/2022

To,
The Principal
KIT-Tiptur

Respected Sir,

Sub: 'Regarding conduction of 3rd South Indian Project Exhibition SIPE-2k22'.

With reference to above cited subject, Department of Mechanical Engineering is planning to organize one day South Indian Project Exhibition (SIPE-2k22) for both UG and PG students. The event will be conducted in the month of June 2022. Kindly give the permission to conduct above said event and approximate expenditure as mentioned below.

Sl. No.	Particulars	No's	Approx. cost
1	Printing (Flex, Poster, Brochure, Letter head, Invitation etc)	200	15,000/-
2	Printing 'Book of Abstract'	100	10,000/-
3	Certificates	200	5,000/-
4	Lunch and high tea	200	10,000/-
5	Postal charges		5,000/-
6	Adjudicators (TA/DA)	3	12,000/-
7	Remuneration for keynote address	3	6,000/-
8	Bag/ file (Pen, note pad, ID card, CD)	200	10,000/-
9	Prize money (1st, 2nd, 3rd) (15000, 10000, 5000)		30,000/-
10	Mementos (3+3)	3	5,000/-
11	Shamiyana		13,000/-
12	Electrical Work		4,000/-
13	Inauguration Expense		2,500/-
14	Photo & Video		4,000/-
15	Miscellaneous		3,000/-
Total (One Lakhs thirty four thousand and five hundred rupees)			1,34,500/-

Thanking you
Approved
G. S. Shetty

Kindly issue the cheque in the name of Prof. Brijesh. C.
Co-ordinator of the event.

Yours faithfully

HEAD OF THE DEPARTMENT
DEPT. OF MECHANICAL ENGINEERING
KIT - TIPTUR - 572 202

We to Secretary / Treasurer
Forwarded / Recommended

1986

Kalpataaru Vidya Samsthe © Estd. 1961
KALPATARU INSTITUTE OF TECHNOLOGY
(Affiliated to Visvesvaraya Technological University & approved by AICTE, New Delhi)
N.H 206, Tiptur - 572 202, Karnataka, INDIA.



Department of Mechanical Engineering

Ref No: KIT/ MED/025/2022

18th June, 2022

To,
The Principal,
KIT-Tiptur

Respected Sir,

Sub: Requisition to sanction the 2nd advance amount of Rs. 60,000/- towards 3rd South India Project Exhibition (SIPE-2k22) on 23rd June 2022.

With reference to above cited subject, the Department of Mechanical Engineering is conducting **3rd South India Project Exhibition (SIPE-2k22) on 23rd June 2022**, with your prior permission (KIT/MED/012/2022 dated 18/04/2022).

For above said program Guest Remuneration, Prize amount and other expenses, kindly sanction the 2nd advance amount of Rs. 60,000/- (Rupees sixty thousand only) and issue the cheque in the name of Prof. Brijesh C, Coordinator of the event.

Thanking you

Yours sincerely

HEAD OF THE DEPARTMENT
DEPT. OF MECHANICAL ENGINEERING
KIT - TIPTUR - 572202



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KALPATARU INSTITUTE OF TECHNOLOGY
(Affiliated to Visvesvaraya Technological University & approved by AICTE, New Delhi)
N.H 206, Tiptur – 572 202, Karnataka, India.



Department of Mechanical Engineering

Ref. No: KIT/MED/029/2022

7th July, 2022

To,
The Principal
KIT – Tiptur

Respected Sir,

Sub: - Bill Settlement of Advance amount **Rs. 1,06,600/-** regarding 3rd south India Project Exhibition.

With reference to above cited subject, I here with submitting the bills towards the advance amount of Rs.1,06,600/- (40,000.00+ 60,000.00 + 6,600) (40,000/- Ref: KIT/MED/018/2022 Dated on 21/05/2022, 60,000/- Ref: KIT/MED/025/2022 Dated on 18/06/2022 and Students Registration Fee 6,600/-) The details of expenditure bill details are mentioned below:-

Sl. No	Bill No.	Amount in Rs.
01	314	4860
02	37366	4860
03	96	7800
04	154	700
05	33	138
06	3492	3200
07	433	100
08	74	1169
09	322	3373
10	95	260
11	813	300
12	798	490
13	2550	157
14	808	80
15	1105	440
16	25	1950
17	153	200
18	252	195
19	1181	290
20	1185	200
21	1062	965
22	443	305
23	326	300

24	1972	4150
25	V1	20000
26	V2	15000
27	V3	5000
28	V4	5000
29	V5	2000
30	V6	3000
31	V7	4400
32	V8 (Shamiyana)	18500
33	V9	272
34	V10	270
35	V11	2000
36	V12	1960
37	V13 (Hostel)	10250
38	V14	966
Total Expenditure of Rs. One lakh twenty five thousand and one hundred only		1,25,100/-
Advance amount received of Rs. One lakh only Students Registration Fee of Rs. Six thousand and six hundred only (1,00,000 + 6600 = 1,06,600/-)		1,06,600/-
Excess Expenditure Amount to be paid of Rs. Eighteen thousand and five hundred only		18,500/-

Kindly sanction the excess expenditure amount of Rs. 18,500/- (Rs. Eighteen thousand and five hundred only) towards **Sri Lakshmi Srinivana Shamiysna, Tiptur** and do the needful.

Thanking you,

Yours Sincerely,

G. A. C.

Encl: 1. Bills
2. Approved Copy

HEAD OF THE DEPARTMENT
DEPT. OF MECHANICAL ENGINEERING
KIT - TIPTUR - 572202.

Final year project exhibition expenditure
clearance balance of 18,500/- is to paid to
HOD mechanical. Dr. Viswanath
W/c to Secretary / Treasurer
Forwarded / Recommended.....*15/6/20*

3rd South India Project Exhibition (SIPE-2k22)
On 23rd June 2022
Registration Fee Rs.200
[Open to All Engineering Branches]
Registration Form

Name of the Participant: _____
 Faculty/Research scholars/UG/PG: _____
 Industry: _____
 Area of Research: _____
 Department: _____
 Institution Address: _____

 Address for Correspondence: _____

 E-mail: _____
 Mob. No.: _____

Registration Fee Details

DD No. _____
 Date: _____
 Bank Name: _____
 Amount: _____

 Signature of the applicant

.....
 Signature and Seal of the
 Head of the Institute/Sponsoring Authority

Technical Committee
 Dr. Chandrashekharaiah T M
 Arunkumar A M HOD Civil
 Yoganand G S HOD ECE
 Sashidhar M S HOD CSE
 Rajshekar K G HOD ISE
 Dr. H N Chandrakala HOD Chemistry
 Dr C Vedamurthy HOD Physics
 R G Charantimath HOD Mathematics
 Dr. Rajashekar Aradya S V
 Dr. Kiran T S
 Mr. Eshwariah K S
 Mr. Siddalingaprasad T S
 Mr. Aradhya S M
 Mr. Mallikarjuna G B
 Mr. Deepak Kumar N Y
 Mr. Rohith kumar H V
 Mr. Dileep H B
 Mr. Mahanthesh G
 Mr. Sandeep K
 Mr. Hariksha C R
 Mr. Anil K

Chairman

Dr. Gurumurthy G D
 Principal, KIT, Tiptur

Chief-Convenor

Dr. Viswanatha B M, HOD Mechanical Engg.

Chief Co-Ordinators (SIPE-2K22)

Mr. Brijesh C Ph: 9964070270
 Mr. Ajay C K Ph: 9986804773

Co - Ordinators (Faculties)

Mrs.Mamata Sarangamath Ph: 9743424181
 Mrs.NaveenKumari M E Ph: 8762323460

Co - Ordinators (Students)

Mr. Madhukeshava S Ph: 7026949704
 Mr. Darshan Palegar S Ph: 7483573038
 Mr. Anil H M Ph: 9845252346

‘3rd South India Project Exhibition’
(SIPE-2K22)
On 23rd June 2022
[Open to All Engineering Branches]



Organised by

Department of Mechanical Engineering
KIT, Tiptur



ESTD: 1986

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(Affiliated to VTU, Belgavi and Recognized by AICTE, New Delhi)
 B.H.Road, TIPTUR-572 201, Karnataka,
 Ph: 08134-251267, Fax No: 08134-251939 www.kittiptur.ac.in

About Tiptur

Tiptur is a Taluk and sub-divisional headquarters in Tumakuru District, Karnataka. It is situated along Bengaluru-Honnar National Highway No. 206 at a distance of 142 km from the state capital Bengaluru. Tiptur is supposed to have got its name from the word 'Tipatala' which means dried coconut/copra. Kalpataru Vidya Samsthe (KVS) plays a key role in catering to the needs of learners in and around Tiptur.

About Organizing Institute

Kalpataru Institute of Technology (KIT) is a part of the Mother institution KVS. KIT was established in 1986 with a view to provide technical education to the rural youth. The college is affiliated to Visvesvaraya Technological University, Belgaum and is recognized by All India Council for Technical Education (AICTE), New Delhi. The 36 year old college has an excellent team of qualified, experienced and dedicated faculty members with the state of the art infrastructure. The college campus is located on the outskirts of the town at a distance of about 2 km. from Railway station and Bus Stand.

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Development center has received Rs. 20 lakhs grant to setup Tribological study research laboratory and Rs.30 lakhs grant to set up Energy Conversion Engineering research laboratory from VGST Govt. of Karnataka. The department organizes symposiums, workshops and seminars under Mechanical Engineering Association (MEA) every year.

Chief Patron

Sri P. K. Thipperudrappa
President KVS

Sri. T S Shivaprasad
Treasurer KVS

Patrons

Vice President KVS

Sri. T S Basavaraju
Sri. Bagepalli Nataraj
Sri. G P Deepak
Sri. B S Umesh

Secretary KVS

Sri. M R Sangamesh
Sri. Sudhakar H G
Sri. G S Umashankar
Sri. T U Jagadeeshamurthy

Advisory Committee

Dr. Basavarajappa S, Registrar, IIIT Dharwad
Dr. Prasanna Kumar M, UBDTCE Davanagere
Dr. M S Govinde Gowda ATME Mysore
Dr. Irappa Sogalad, UBDTCE Davanagere
Dr. Rangaswamy T, GEC, Hassan
Dr. Shivashankar G S, SIT, Tumkauru
Dr. E Basavaraj JNNCE, Shivamogga
Dr. Basavarajappa PESITM Shivamogga
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Dr. Basavaraja Ganigar SIET Bangalore
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Dr. Arun K G GEC, Haveri
Dr. Kotresh Banjar GEC, Haveri
Dr. Manjunath Channappa Gouda Jain University.

About SIPE-2k22

The south India Project Exhibition (SIPE-2k22) is being organized for the third time from the Department of Mechanical Engineering to facilitate the students who carryout projects for their academics. We are providing a platform for the budding engineers of future who are the builders of our nation.

Registration Details

Participant have to pay the registration fee by way of Demand Draft drawn in favour of "**The Principal, KIT, Tiptur**" payable at Tiptur. It is essential that Project team members have to contribute in the project exhibition for oral presentation. **No TA, DA will be provided.** Accommodation will be provided to only those participants who are coming from a distance of 200km or above.

Registration Fee

SIPE2k22

UG/PG

Rs.200/-

Important Dates

Registration Starts

05/06/2022

Registration Ends

21/06/2022

Note: Participants can send their Synopsis to this e-mail id – sipe2k22@kittiptur.ac.in



Kalpataru Vidya Samsthe ®
Kalpataru Institute of Technology

B.H.Road, TIPTUR-572 201, Karnataka,
Ph:08134 – 251938, Fax:08134 - 251939



Department of Mechanical Engineering

Cordially invites you to the Inauguration of
'3rd South India Project Exhibition' (SIPE-2K22)
On 23rd June 2022

Presiding Over: Sri. P.K. THIPPERUDRAPPA

President, KVS, Tiptur

Chief Guest: Dr. U. T. VIJAY

*Chief Scientific Officer & Principal Investigator-RWH&KDH
Karnataka State Council for science & Technology (KSCST)
Indian Institute of Science, Bengaluru-560012*

Guests of Honor

Vice - President KVS

Sri. T S Basavaraju
Sri. Bagepalli Nataraj
Sri. G P Deepak
Sri. B S Umesh

Secretary KVS

Sri. M R Sangamesh
Sri. Sudhakar H G
Sri. G S Umashankar
Sri. T U Jagadeeshamurthy

Treasurer of KVS

Sri. T. S. Shivaprasad

Dr. Viswanatha B M

HOD, Mechanical Engineering.

Dr.Gurumurthy G D ^{Ph.D.}

Principal, KIT, Tiptur

HOD'S OF ALL DEPARTMENT, KIT STAFF & STUDENTS

You Are cordially Invited

Date: 23RD JUNE 2022

VENUE: KIT Campus

Time: 10.00 AM



Kalpataru Vidya Samsthe *Estd.1961
KALPATARU INSTITUTE OF TECHNOLOGY-TIPTUR
(Affiliated to Visvesvaraya Technological University & approved by AICTE, New Delhi)
DEPARTMENT OF MECHANICAL ENGG.



3rd South India Project Exhibition (SIPE-2k22)
23rd June 2022

Registration Form

Sl.no	Project ID	Project title	College	Branch	Project by	Sign
✓ 01	SIPE2k22-01 (50)	Solar Panel Cleaning Robot	BPT Belagavi	Mecotronics	VIPUL. ANGADE HARISH. LOHAR	
✓ 02	SIPE2k22-02	Parkinson's disease detection machine learning	JSS Bangaluru	E&C	Lamblaw Singh Aditi Kumari Anuradha Kumari Shivani	Lamblaw
03	SIPE2k22-03	Fruit Shelf-Life Detection Machine learning and artificial intelligence	JSS Bangaluru	E&C		
04	SIPE2k22-04	"Application of RS and GIS for optimization of municipal solid waste collection route" for doddballapura city, bangalore rural district, karnataka.	Sai Vidya Institute of Technology	CIV		
✓ 05	SIPE2k22-05 (31)	Design & Fabrication of Portable Coffee Harvester"	AIT Chikmagalur	ME 31	Mohammad Adceb Mohammad Taha Mohammad Adceb Zubair	
✓ 06	SIPE2k22-06 (13)	Modelling of Internal Nano-Finishing of Micro-Tubes Using Ferrofluids and Rotating Magnetic Field System	SCEM Mangaluru	ME 13	DHANUSH ACHARYA M SALVIN ASHOK PINTO THEJAS HEGDE VINEETH LESTER PAIS	

07	SIPE2k22-07	Autonomous Sensor Technology In Hydroponics	JNNCE, Shimoga			
✓ 08	SIPE2k22-08 (21)	Portable automatic waste segregator for non-biodegradable things	Vidya Vikas, Mysuru	E&C	Gowthami A.V. Harshini P. Karthik Venkatesh Devadiga Manoj. Y.P.	<i>Agul</i>
✓ 09	SIPE2k22-09 (24)	"Smart Dustbin"	SIT Tumkur	ME	NAVEEN P.M. Ravichandra K.M. Sanjay S Vijaybhaskar H.S.	<i>24</i>
10	SIPE2k22-10	Eco Friendly Charcoal Briquette	JNNCE, Shimoga			
✓ 11	SIPE2k22-11 (11)	"An IOT Based Smart Tomato Health Management System using Image Processing Technique"	SSIT Tumakuru	E&C	Sumanya Korabai Varsha Rani S Tasmira Raveethi chetan kumar M.P.	
✓ 12	SIPE2k22-12 (58)	Design and Fabrication of Loop Heat pipe for Cooling Electric Vehicle battery using Nanofluids.	MCE, Hassan	ME	Sanjay. H.B. Madhu. N.M.	<i>58</i>
✓ 13	SIPE2k22-13 (36)	Design and Development of eco-friendly mosquito diseasecontrol and preventive device	BIET, Davangere	ME	Sunil.N Shasavana.G Abhishek.N.P Harish Gowda.	
✓ 14	SIPE2k22-14 (27)	Smart Irrigation Technology Using IOT [Internet of Things]	GPT Arakere	CS	LAKESH.K, VINAYKUMAR.P.R VINAS.J, AKSH.B.PATEL.	<i>27</i>
✓ 15	SIPE2k22-15 (59)(15)	"Quad processing machine"	KIT Tiptur	ME	Charan BT Eshwar R Nitesh kumar	<i>59</i>

Likith D

✓ 16	SIPE2k22-16 (26)	Home automation using google assistance	Govt. Sri Krishna rajendra Silver Jubilee Tech. Institute	E&C 26	SHREYAS A.C SHYAM SUNDAR N.D UMA V.	<i>Shreyas</i>
✓ 17	SIPE2k22-17 (22)	"Automatic shavige presser"	SDM polytechnic, ujire	E&C	Paven kumar Pratheek kumar	<i>P.</i>
✓ 18	SIPE2k22-18 (44)	An experimental study on plastic roofing tile	SDM Polytechnic ujire	CIV 41	HRITHIK LOYSTAN	
✓ 19	SIPE2k22-19 (55)	"Handwritten Script Recognition using Deep Learning Techniques"	JNNCE, Shimoga	E&C	Gahana.BN Ranjitha.P Samiysha.H.R Shwetha.R	<i>Sami</i>
✓ 20	SIPE2k22-20 (57)	"Lazy random walks for superpixel segmentation"	JNNCE, Shimoga	E&C	Sinehana.S.R Soukya.B.V Spoonu.T.S Spoonu.H	<i>S.L</i>
✓ 21	SIPE2k22-21 (08)	"Handling of medical equipments and other during covid-19 pandemic situations in a robotic arm by using soft actuator"	KIT Tiptur	M&E	Moksha Nagum.K.Ramani Madhukeshava.S Dorshan Palagari.S	<i>M.</i>
✓ 22	SIPE2k22-22 (45)	Detection and classification of diabetic retinopathy using deep learning	Govt. Sri Krishnarajendra Silver Jubilee Tech. Institute	CS 45	SHARATH.SV SHANTHA PAO I CHITHRA.Y.S	<i>Shanthi.P.</i>
✓ 23	SIPE2k22-23 (33)	Autonomous Pesticide Spraying and Disease Detection UAV Platform for Areca Nut And Pepper Plantations	SCEM Mangaluru	ME 33	SHRINIDHI.I.S PRATHAM.K.B	
✓ 24	SIPE2k22-24 (37)	Smart appliances controller	RNSIT	ME 37	SATRAM.M YOGESH M YASHWANTH BOWDA S YASH REVANKAR	<i>Saiman</i>

✓ 25	SIPE2k22-25 (54)	"Design and fabrication of hydraulic floor crane"	KIT Tiptur	ME	Abhilash. D.R Charan. K.R Siddesh. H.B.	Abh.
✓ 26	SIPE2k22-26 (28)	Interlock cleaning machine	SDM Polytechnic, Ujire	ME 28	Rakesh S Acharya Pavan. V. Shetty	Pavan
✓ 27	SIPE2k22-27 (42)	"Re-engineer paper into wood"	SDM Polytechnic, Ujire 42	CIV	JEEVAN T.K SHREEDHAR	Jeevan
28	SIPE2k22-28	"Fire detection using computer vision"	SJCIT	E&C		
✓ 29	SIPE2k22-29 (51)	Design and fabrication of suspended loadfloating backpack	KIT Tiptur Dileep H.B.	ME	Arhil Joshi Abhishek Deshpande Kotreshgouda Reddi AKSHAY Acharya	Arhil
✓ 30	SIPE2k22-30 (35)	Plasma treated sewage water for iot based hydroponics	BIET, Davangere	ME 35	Manoj. S.K Anand. J.N Puneeth. K. A Manoj Kumar. V	Manoj
✓ 31	SIPE2k22-31	Fabrication of Hyper elastic material with cotton fibre by 3D printing	AIT Tumkur	ME	Lohith. H.G.	Lohith
✓ 32	SIPE2k22-32 (07)	CNC 2d Plotter machine	Sri Siddaramaiah Narasimha, polytechnic Tiptur	ME EC	MOHAN. B. M MEGHAN. S. L MOHAN. Y. N RAMESH. Y. N	Mohan
✓ 33	SIPE2k22-33 (32)	Design and Development of Autonomous Vehicle for Warehouse Management using ROS	SCEM Mangaluru	EC 32	JEEVAN K PRANAV S	Jeevan

✓ 34	SIPE2k22-34 (34)	COVID-19 Safety amalgamate	KIT Tiptur	ME	Eftekhan Ahamed Khan Jayanth M P Karthi N U Mohammed Touqeer Ur Raayan Srinivas H. S Manu. H Shashank. m. k Azeez Ur Rehman	Mo Touqeer
✓ 35	SIPE2k22-35 (4)	Hybrid power generation using solar and verticle axis wind turbine	KIT Tiptur	ME	34 Srinivas H. S Manu. H Shashank. m. k Azeez Ur Rehman	
✓ 36	SIPE2k22-36 (49)	Human following robot	BPT belagavi	Mecotronics	HUMAN Following Robot RAHUL. MUDAKANAVAR SHUBHAM. BODA M. L. BHARTESH POLYTECHNIC BELLARY	
37	SIPE2k22-37	Design and fabrication of plant irrigation and pesticides sprinkler robot	Sai vidya institute of technology	ME		
✓ 38	SIPE2k22-38 (19)	Autonomous 3-D Mapping and Navigating Droid	JNNCE Shivamogga	E&C	Siddharth. M. Muehedi Sheshank. C. S Yashas Vithay Shripad. Adiga	Sid
39	SIPE2k22-39	Mechanical ox using theojansen's mechanism	K.L.E I T Hubli	ME		
40	SIPE2k22-40	Digital education using augmented reality and virtual reality	SSIT Tumakuru	ME		
✓ 41	SIPE2k22-41 (56)	Design and fabrication of eco friendly road sweeper machine	KIT Tiptur	ME	AKASH KARABARI MANJUNATHA T PRASHANTHA KUMAR.	Aksh
42	SIPE2k22-42	Third eye for the blind	JSS Bangaluru	E&C		

43	SIPE2k22-43	"Intelligent medi-box"	SSIT Tumakuru	E&C		
44	SIPE2k22-44	Design of the path following robot	Sapthagiri	M&E		
45	SIPE2k22-45	Technical world	KIT Tiptur	CS		
✓ 46	SIPE2k22-46 (30)	The Study on effect of Stencil in generation of power by varying speed	AIT	ME 30	Shravan BS Sajith J Li Kith RN	Varun KM Rah
✓ 47	SIPE2k22-47 39	Design and fabrication of a bot to detect potholes	KLE Institute of Technology Hubli	ME CS ME 39	R. Rahul Ankit Hegde Pragyaal Sangammasavar	Rah
✓ 48	SIPE2k22-48 (23)	Technical World	KIT Tiptur	CS	Abhan Sameer Hemant P. Chidanand da abhadyaki	Rah
✓ 49	SIPE2k22-49 (17) (05) (22)	Home automation using arduino	KIT Tiptur	E&C	Roham M Dakshin G S Jayakarathi P	Roham Y Chandhan Rmk
✓ 50	SIPE2k22-50 (18) (05) (14)	Smart car parking using arduino	KIT Tiptur	E&C	Roham Y Roham M	Rmk
51	SIPE2k22-51	Virtual doctor robot	KLE	M&E		

52	SIPE2k22-52	Smart agriculture system with meshnetworking	KLE	E&C		
53	SIPE2k22-53 (53)	Design and Fabrication of Motorized Sprayer for Agriculture S3	KIT Tiptur	ME	Anil HM	✓
54	SIPE2k22-54 (02)	Solar Chargeable E - Rikshaw with Smart Systems	Global Academy of Technology, RR Nagar	E&C	Vijay .K.S , Hemanth Kumar.B.V, Nitesh.C	✓ JAYAK
55	SIPE2k22-55 (01)	Intelligent Braking System	KIT Tiptur (SK)	ME		✓ JAYAK
56	SIPE2k22-56 (25)	Design And Fabrication Of Portable Air Cooler	KIT Tiptur	ME 25		✓
57	SIPE2k22-57					
57	58 SIPE2k22-58 (40)	TILT ROTOR VTOL 200 (NME)	B.M.S.College OF Engineering	ME 40	Dheeraj R, AKSHAY SPRASAD, ROHITH.J, SHRIKANT.B, CHANDRASHEKHARAKL, NIRNITH.K.P	✓ Dheeraj
58	59 SIPE2k22-59 (29)	Design and fabrication of Refrigeration based Dehumidifier (Through Bangla Pe)	AIT CKM 29	ME	Pradeep.H.N, Shridharan, Tharish.KC, Thyagaraj.S, Thyagaraj.S.M	✓ Tharish
59	60 SIPE2k22-60 200(NME) (43)	Design and fabrication of Solar grass cutter machine	AIT CKM 43	ME	AKASH.R, RENAKESHA, BHARATH.U.R, HARSHAVARANA	✓

✓ 61

SIPE 2K22-61
(46)

VIRTUAL DOCTOR
ROBOT & TREE
CLIMBING ROBOT.
(KLE. DR. MSSCET,
Belagavi.).

- 1) Yash. Dongre. ✓
- 2) Krishnakant. B. ✓
- 3) Ajay. Mannolkar. ✓
- 4) Amarnath. G. ✓

Amanolkar

✓ 62

SIPE 2K22-62
(14)

SMART AGRICULTURE WITH
SEED SOWING & MESH
NETWORKING.
- 11 -

- 1) Ajay. Mannolkar. ✓
- 2) Omkar. B. ✓
- 3) Shrishal. B. ✓
- 4) Aakash. Vannikar. ✓

Ashok

✓ 63

SIPE 2K22-63
(47)

IoT Based multiple.
Junction. Industrial.
Robot.
- 11 -

- 1) Amarnath. G. ✓
- 2) Satyam. ✓
- 3) Ajay. M. ✓
- 4) Yash. Dongre. ✓

Ashok

✓ 64

SIPE 2K22-64
(48)

IoT Based Industrial.
Purpose Forklifting
Robot. 10
- 11 -

- 1) Shrishal. B. ✓
- 2) Amarnath. G. ✓
- 3) Ajay. Mannolkar. ✓
- 4) Pranav. Gurav. ✓

Ashok

65

~~SIPE 2K22-65~~



Kalpataru Vidya Samsthe ®

Kalpataru Institute of Technology, Tiptur - 572201

(Affiliated to VTU, Belagavi and Recognized by AICTE, New Delhi)

3rd South India Project Exhibition' (SIPE-2k22)

Organized by

Department of Mechanical Engineering

CERTIFICATE OF PARTICIPATION

This is to Certify that Mr/Ms.....

of.....

has participated in 3rd *South India Project Exhibition (SIPE 2k22)* held at
Kalpataru Institute of Technology, Tiptur on 23rd June 2022.

Prof. Brijesh C & Prof. Ajay C. K.

Chief co-ordinators

Dept of Mechanical Engineering

Dr. Viswanatha B M

Head of the Department,

Dept of Mechanical Engineering

Dr. G D Gurumurthy Ph.D.,

Principal



Kalpataru Institute of Technology
(Affiliated to VTU, Belgavi and Recognized by AICTE, New Delhi)
B.H.Road, TIPTUR-572 201.



Department of Mechanical Engineering
'South India Project Exhibition' (SIPE-2K22)
On 23rd June 2022

FEED BACK FORM

Name: Rohith.J

Branch : Mechanical

College name: B.M.S. College of Engineering

1. Over all rating

a. Needs improvement b. Average c. excellent

2. Facility rating

a. Needs improvement b. Average c. excellent

3. Time allotted

a. Needs improvement b. Average c. excellent

4. Suggestions:

- More ppt form
Good Co-ordinators from Co-ordinators & Volunteers
Please maintain Washroom clean



One Week AICTE-ISTE Online Refresher Program on

‘Thermal Engineering’ (Phase-1)

17/02/2021 to 23/02/2021

Sponsored by AICTE-ISTE, New Delhi



Proceedings of Phase-1



ESTD: 1986



Organised by

Department of Mechanical Engineering

Kalpataru Institute of Technology

(Affiliated to VTU, Belagavi and Recognized by AICTE, New Delhi)

B.H.Road, TIPTUR-572 201, Karnataka,

Ph: 08134-251267, Fax No: 08134-251939

www.kittiptur.ac.in

OFFICE BEARERS OF KALPATARU VIDYA SAMSTHE

President KVS



Sri P. K. Thipperudrappa

Vice Presidents



Sri. S S Natraj

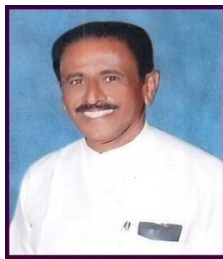


Sri. G K Prabhu

Secretaries



Prof. Rajakumar



Sri.K P Rudramuniswamy



Sri. T U Jagadeeshamurthy

Treasurer KVS



Sri. T S Shivaprasad

Refresher Program on
‘Thermal Engineering’ (Phase-1)

17/02/2021 to 23/02/2021

Organized by



Department of Mechanical Engineering

Kalpataru Institute of Technology

Tiptur, Karnataka-572 201

Program Coordinator

Dr. Viswanatha B M

Professor & HOD

Department of Mechanical Engg

Convenor

Dr. G D Gurumurthy

Principal

KIT, Tiptur

Acknowledgement

We express our sincere gratitude to **Sri P K Thipperudrappa**, President, KVS, Tiptur, all office bearers and **Dr. Gurumurthy**, Principal, KIT, Tiptur for their constant support and encouragement in conducting One Week AICTE-ISTE Refresher Program on '**Thermal Engineering**' (Phase-1) from 17/02/2021 to 23/02/2021.

We express our heartfelt thanks to AICTE, ISTE New Delhi and VTU Belagavi for infusing life into this One Week AICTE-ISTE Refresher Program on '**Thermal Engineering**' (Phase-1).

We feel exhilarated to express our sincere thanks to the advisory committee, faculties, and the staff of KIT for their invaluable support and whole hearted cooperation right from the conceptual stage to the successful execution of this programme.

We appreciate involvement of participants and thank them for sparing their valuable time for this online session. We are sure that by participating in the session they will gain useful knowledge and innovative ideas related to thermal engineering.

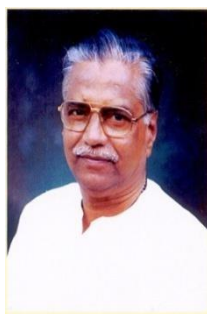
We thank all others who have extended their help directly or indirectly to the success of this One Week AICTE-ISTE Refresher Program on '**Thermal Engineering**' (Phase-1).

Program Coordinator

Dr. Viswanatha B M
Professor & HOD
Department of Mechanical Engg

Convenor

Dr. G D Gurumurthy
Principal
KIT, Tiptur



Sri P K Thipperudrappa

President, KVS

It is a matter of pleasure to note that Department of Mechanical Engineering is conducting One Week AICTE-ISTE Refresher Program on **Thermal Engineering' (Phase-1)**. I am sure that the thoughtfulness of the Program will promote the faculties, participants and students of Mechanical Engineering for detailed deliberations on recent advancements in **Thermal Engineering'** and bring comforts to their career.

I heartily congratulate all the organizing committee members a great success in their effort to make this One Week AICTE-ISTE Refresher Program on Thermal Engineering' (Phase-1) a great success.

My best wishes to all the participants of this One Week AICTE-ISTE Refresher Program on Thermal Engineering' (Phase-1).



Sri T S Shivaprasad

Treasurer, KVS

I am very much pleased to know that the Department of Mechanical Engineering is conducting One Week AICTE-ISTE Refresher Program on **Thermal Engineering' (Phase-1)** from **17/02/2021 to 23/02/2021**.

I am also happy to note that participants from popular institutions from all over India are participating in this One Week AICTE-ISTE Refresher Program on **Thermal Engineering' (Phase-1)**. It provides a great platform for researchers and students working in thermal related areas of Mechanical Engineering to enhance present trends and future aspects.

I wish this One Week AICTE-ISTE Refresher Program on **Thermal Engineering' (Phase-1)** a great success.

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Dr. G. D. Gurumurthy
Principal
Kalpataru Institute of Technology
Tiptur

The one week program covering on different topics of thermal engineering will bring immense knowledge on the subject. The resource persons invited are from prestigious institutions with a vast knowledge on the topics of thermal engineering. The applications of thermal engineering are universe. I wish all the participants across the country to get benefitted by attending the program.

I congratulate department of Mechanical Engineering for organizing this program and wish a grand success.



Dr. Viswanatha B M
Professor & HOD
Dept. of Mechanical Engineering
KIT, Tiptur

Department of Mechanical Engineering is organizing one week online refresher program on Thermal Engineering from 17th to 23rd February 2021. Department have received a sponsorship from AICTE-ISTE-New Delhi to the program. Eminent professors from various institutions and industries are resource persons. To this program AICTE affiliated college faculties from various institutions across the country are participating in the program. I am very much thankful to Authorities of AICTE-ISTE and resource persons, participants, office bearers of Kalpataru Vidya Samsthe and principal of esteemed organization. All the best for the program.

“Tell me and I forget. Teach me and I remember. Involve me and I learn.”

— Benjamin Franklin

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Eswariah K S

Associate Professor

Dept. of Mechanical Engg.

KIT, Tiptur

It is a pride that the Department of Mechanical Engineering KIT, Tiptur is organizing AICTE-ISTE Refresher Program on **Thermal Engineering (Phase-1)**.

I am confident that all the faculties and researchers of mechanical engineering department enhance their knowledge in thermal related fields and are benefitted utmost.

As a faculty coordinator it is a great pleasure to organize the program sponsored by AICTE-ISTE New Delhi. I am seeking co ordination and support from all the resource persons, faculty members of Department of Mechanical Engineering from various organizations around the nation and also the program is incomplete without harmonization from faculty members of department of mechanical engineering KIT.

My best wishes to all the participants.

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KALPATARU INSTITUTE OF TECHNOLOGY
N H 206, Tiptur – 572202



Department of Mechanical Engineering

Invitation for Virtual Inauguration of
One Week AICTE-ISTE Refresher Program

on

“Thermal Engineering”
(Phase - 1)

On

February 17th to 23rd, 2021



Chief Guest : Dr. S. BASAVARAJAPPA,
Registrar, IIT Dharwad

Guests of Honor : Prof. VIJAY D. VAIDYA,
Executive Secretary, ISTE,, NewDelhi

President : Sri. P.K.THIPPERUDRAPPA,
President, KVS, Tiptur

Patrons :

Vice Presidents, KVS

Sri. S.S. Nataraj
Sri.G.K. Prabhu

Secretaries, KVS

Prof. Rajakumar
Sri.K.P.Rudramuniswamy
Sri.T.U. Jagadeeshmurthy

Treasurer, KVS

Sri. T.S. Shivaprasad

Program Coordinator

Dr. Viswanatha B M, HOD,ME

Convener

Dr. G.D. Gurumurthy, Principal

Faculty coordinators:

Prof. Eshwariah K S , Prof. Sandeep K, Prof. Harikesha C R

All are cordially invited

HOD and Staffs, Department of Mechanical Engineering

Date: **February 17th, 2021**

Time: **9:30 am**

Venue: KIT Admin block

About Organizing Institute

Kalpataru Institute of Technology (KIT) is a part of KVS, the mother institution. KIT was established in 1986 with a view to provide technical education. The college is affiliated to Visvesvaraya Technological University, Belagavi and is recognized by All India Council for Technical Education (AICTE), New Delhi. The 35 year old college has an excellent team of qualified, experienced and dedicated faculty members with the state of the art infrastructure. The college campus is located on the outskirts of the town at a distance of about 2 km. from Railway station and Bus Stand.

About the Department

The Department of Mechanical Engineering was established in the year 1992 with an initial intake of 30 which further was enhanced in two stages to 60 first and then to 120. The department is currently headed by Dr. B M Viswanatha, Professor & HOD. The department has well experienced, highly qualified and committed faculty members. The department has three Professors with Ph.D degree. The Department has research center recognized by VTU Belagavi. Many faculties are pursuing Ph.D in R&D Center of the department. The R & D centre have received Rs. 20 lakhs grant to setup Tribological study research laboratory and Rs. 30 lakhs grant to set up Energy Conversion Engineering research laboratory from VGST(Vision Group of Science and Technology) Govt. of Karnataka. The department organizes symposiums, workshops and seminars under Mechanical Engineering Association (MEA) every year.

About AICTE

In accordance with the provisions of the AICTE Act (1987), for the first five years after its inception in 1988, the Minister for Human Resource Development, the Government of India, was the Chairman of the Council. The first full-time Chairman was appointed on July 2, 1993 and the Council was reconstituted in March 1994 with a term of three years. The Executive Committee was re-constituted on July 7, 1994 and All India Board of Studies and Advisory Boards were constituted in 1994-95. Regional Offices of the Ministry of Human Resource Development, the Government of India, located in Kolkata, Chennai, Kanpur, and Mumbai were

transferred to AICTE and the staff working in these offices were also deputed to the Council on foreign service terms w.e.f. October 1, 1995.

These offices functioned as secretariats of regional Committees in the four regions (North, East, West and South). Three new regional Committees in southwest, central, and northwest regions with their secretariats located in Bangalore, Bhopal, and Chandigarh, respectively, were also established on July 27, 1994. One more regional committee in South-Central region with its Secretariat in Hyderabad was notified on March 8, 2007.

About ISTE

The Indian Society for Technical Education (ISTE) is the leading National Professional non-profit making Society for the Technical Education System in our country with the motto of Career Development of Teachers and Personality Development of Students and overall development of our Technical Education System. Being the only national organisation of educators in the field of Engineering and Technology, ISTE effectively contributes in various missions of the Union Government. The strength of ISTE is the strong base it has in technical education institutions in the country. At present, the ISTE has a very large and an effective membership base consisting of 124024 Life Members, 5 lakh Student members, 2734 Institutional Members, 1369 Faculty Chapters, 1479 Student Chapters at institutional level and 17 Sections at State level.

Objectives of FDP

- To provide a platform for interaction with experts of different knowledge domains
- Faculty development programs (FDPs) have proven to be successful for improving teaching skills in higher education.
- To update the faculty members, research scholars and industry professionals about the current ongoing research in the field of Thermal Engineering and related areas.
- This FDP also helps to develop innovational thoughts, knowledge on interactions of industry and institute.
- To impart knowledge on fundamental & advanced concepts of Thermal Engineering.

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Sri P. K. Thipperudrappa

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Convenor

Dr. G D Gurumurthy

Principal, KIT, Tiptur

Program Coordinator

Dr. Viswanatha B M

Professor & HOD

Dept. of Mechanical Engg.

Advisory Committee

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Dr. A S Deshpande, Registrar, VTU, Belagavi

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Dr. S M Shashidhara, Former Principal, KIT, Tiptur

Dr. Rangaswamy T, Principal, GEC, Mosalehosahalli

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Dr. M Prasanna Kumar, UBDTCE-Davanagere

Dr. Shasikantha Karinka, NMAMIT, Nitte

Dr. Mahadevaswamy P, SCE, Bangalore

Dr. Girisha C, AMC, Bangalore

Dr. Mrunthunjaya M, JSSATE, Bangalore

Dr. B P Shikvakumar, JSSATE, Bangalore

Dr. Kanchiraya S, GEC, Hassan

Dr. Mahesh T S, GEC, Hassan

Dr. Bharath K N, GMIT, Davanagere

Dr. Umashankar K S, KVGCE, Sulya

Program Coordinator

Dr. Viswanatha B M
Professor & HOD
Dept. of Mechanical Engg.

Faculty Coordinators

Prof. Eswariah K S
Prof. Sandeep K
Prof. Harikesha C R

Organizing Committee

Dr. Chandrashekharaiyah T M
Dr. Kiran T S
Prof. Siddalingaprasad T S
Prof. Aradhya S M
Prof. Mallikarjuna G B
Prof. Deepak Kumar N Y
Prof. Mamata Sarangamath
Prof. Rohith kumar H V
Prof. Dileep H B
Prof. Mahanthesh G
Prof. Naveen Kumari M E
Prof. Brijesh C
Prof. Ajay C K
Prof. Anil K

Compiled by:

Prof. Mamata Sarangamath
Prof. Naveen Kumari M E

Resource Persons

Dr. N K S Rajan, Principal Scientist, IISc, Bangalore

Dr. Viswanatha B M, Prof. & Head, KIT, Tiptur

Dr. K R V Subramanian, MSRIT-Bangalore

Dr. Shashikantha Karinka, Prof. & Head - Dept. of ME , NMAMIT, Nitte

Dr. Niranjana Murthy, MSRIT-Bangalore

Dr. M G Ananda kumar, CPRI- Bangalore

Dr. V Saravanan CPRI- Bangalore

Dr. T N Sridhar , Prof. ME, NIE, Mysore

Dr. M S Govinde Gowda, Prof. & Dean Academics ATME Mysore

Dr. Jyothilakshmi R, MSRIT, Bangalore

Dr. Ramachandra C G, Presidency University, Bangalore

Dr. Arumuga Perumal D, NITK, Surathkal

Dr. R K Hegde Prof. SIT, Mangalore

Dr. N Gnanasekaran, NITK, Surathkal

Prof. Malathi, Pallagatti Adavappa Arts and Commerce First Grade College, Tiptur

Session schedules				
Date :17/02/2021 Wednesday				
Sessions	Time	Resource Persons	Topics	Address
1	9.30 -11.00 am	Inaugural Function		
2	11.30 -1.00 pm	Dr. N K S Rajan	Advanced Flow Simulations Involving Combustion and Heat Transfers	Principal Scientist IISc, Bangalore
3	2.30 – 4.00 pm	Dr. Viswanatha BM	Fundamentals of Thermodynamics	Professor & HOD KIT, Tiptur
Date :18/02/2021 Thursday				
1	9.30 - 11.00 am	Dr. K R V Subramanian	Hybrid Nano Fluids-Use and Future Prospects	MSRIT Bangalore
2	11.30 - 1.00 pm	Dr. Shashikantha Karinka	The Evolution, the Present and the Future of IC Engines	Professor & HOD Dept. of ME NMAMIT Nitte
3	2.30 – 4.00 pm	Dr. Niranjan Murthy	Multiple Jet Impingement (Heat Transfer Augumentation with Multiple Jet Impingement)	MSRIT Bangalore
Date :19/02/2021 Friday				
1	9.30 - 11.00 am	Dr. M G Anandakumar	Coal, its Quality and Impact Assessment-1	CPRI Bangalore
2	11.30 - 1.00 pm	Dr. V Saravanan	Coal, its Quality and Impact Assessment-2	CPRI Bangalore
3	2.30 – 4.00 pm	Dr. M G Anandakumar	Effects of Coal Combustion on Thermal Power Plant Boiler Components, their Remaining Life Assessment Through NDE.	CPRI Bangalore

Session schedules				
Date :20/02/2021 Saturday				
Sessions	Time	Resource Persons	Topics	Address
1	9.30 - 11.00 am	Dr. Sridhar T N	Steam Turbines	Prof. ME, NIE Mysore
2	11.30 - 1.00 pm	Dr. M S Govinde Gowda	Energy Transfer in Turbo Machines	Prof. & Dean Academics ATME Mysore
3	2.30 – 4.00 pm	Dr.Jyothi lakshmi	Biogasification as a Renewable Energy Option for Energy Sustainability	MSRIT Bangalore
Date :22/02/2021 Monday				
1	9.30 - 11.00 am	Dr.Ramachandra C G	Heat Transfer Enhancement in Heat Exchanger using Nano Fluids	Presidency University Bangaore
2	11.30 - 1.00 pm	Dr. Arumuga Perumal D	Computational Fluid Dynamics (CFD) Project Planning	NITK Surathkal
3	2.30 – 4.00 pm	Dr. R K Hegde	Wind and other Non Conventional Energy Sources	Professor & Head, SIT Mangalore
Date :23/02/2021 Tuesday				
1	9.30 - 11.00 am	Dr. N Gnanasekaran	Optimization Study on Fluid Flow and Heat Transfer through Metal Foams	NITK, Surathkal
2	11.30 - 1.00 pm	Prof. Malathi	Mental, Emotional development , stress management	PAAC, Tiptur
3	2.30 – 4.00 pm	Valedictory Function and Test		

Speaker:



Dr. N K S Rajan
Principal Scientist
IISc, Bangalore

Topic: Advanced Flow Simulations Involving Combustion and Heat Transfer

Date: 17/02/2021 **Link:** <https://meet.google.com/tns-iswo-eku>

Highlights:

- Flow simulations - CFD
- Producer gas carburetor
- CFD simulations
- Flow visualization and analysis
- Simulated experiments on engine and analysis

Speaker:



Dr. Viswanatha B M
Prof. & Head
KIT, Tiptur

Topic: Fundamentals of Thermodynamics

Date: 17/02/2021 **Link:** <https://meet.google.com/tsa-uym-s-wdb>

Highlights:

- Introduction to engineering thermodynamics
- Heat and work
- First and second law of thermodynamics
- Entropy
- Ideal and real gases

Speaker:



Dr. K R V Subramanian
MSRIT
Bangalore

Topic: Hybrid nano fluids-use and future prospects

Date: 18/02/2021 **Link:** <https://meet.google.com/mxp-uhea-ovc>

Highlights:

- Ferro fluids introduction
- Processes in Ferro fluids
- Synthesis procedure
- Hybrid Nano fluids
- Challenges in hybrid Nano fluids

Speaker:



Dr. Shashikantha Karinka
Professor & HOD
Dept. of ME, NMAMIT Nitte

Topic: The evolution, the present and the future of IC Engines

Date: 18/02/2021 **Link:** <https://meet.google.com/eit-pwei-uev>

Highlights:

- History of IC engines
- Evolution , present and future of IC engines
- Different eras of automobiles
- Safety norms
- Recent developments

Speaker:



Dr. Niranjana Murthy

MSRIT

Bangalore

Topic: Multiple Jet Impingement (heat transfer augmentation with multiple jet impingement)

Date: 18/02/2021

Link: <https://meet.google.com/umy-hsng-vfk>

- Highlights:**
- Schematic diagram for multiple water and air jet impingement
 - Test parameters for water and air jet experiments
 - Data acquisition and data reduction
 - Effect of heat flux on heat transfer coefficient
 - Comparison of correlation for multiple water and air jet

Speaker:



Dr. M G Ananda kumar

Joint Director and Head of Training Division

CPRI

Bangalore

Topic: Coal, its Quality and Impact Assessment-1

Date: 19/02/2021

Link: <http://meet.google.com/hyk-meqd-ekd>

- Highlights:**
- Introduction about CPRI and its activities
 - Thermal power generation in India and across globe
 - Introduction about coal and its types and composition
 - Constituents of coal and its effect on power generation
 - Different types of analysis and Formation of coal

Speaker:



Dr. V Saravanan

Joint Director

CPRI- Bangalore

Topic: Coal, its Quality and Impact Assessment-2

Date: 19/02/2021

Link: <http://meet.google.com/ark-qree-oqp>

Highlights:

- Introduction about CPRI and facilities available.
- Types of coal and Performance of different types of coal
- Availability of coal across the globe. Ranking of coal and why and how to rank the coal
- Ranking of coal available in India. Segregation of coal
- Introduced about boilers used in power station

Speaker:



Dr. M G Ananda kumar

Joint Director and Head of Training Division

CPRI- Bangalore

Topic: Effects of coal combustion on thermal power plant boiler components, their Remaining Life Assessment through NDE.

Date: 19/02/2021

Link: <http://meet.google.com/gcu-wkkh-jfn>

Highlights:

- Coal milling methods and requirements and Coal quality parameters
- Need for Remaining Life Assessment (RLA)
- Mechanisms in boiler components.
- Scale morphology by SEM techniques. Measurement of oxide scale growth kinematics by ultrasonic technique
- Flow chart for RLA of boiler tubes

Speaker:



Dr. Sridhar T N

Prof. ME

NIE Mysore

Topic: Steam Turbines

Date: 20/02/2021

Link: <http://meet.google.com/ohb-roza-bwz>

Highlights:

- Classification of steam turbines
- Velocity triangles
- Compounding of steam turbines
- Velocity Compounding
- Problems

Speaker:



Dr. M S Govinde Gowda

Prof. & Dean Academics

ATME

Mysore

Topic: Energy Transfer in Turbo Machines

Date: 20/02/2021

Link: <http://meet.google.com/tge-zhuk-hys>

Highlights:

- Turbo Machines introduction
- Principle components of Turbo Machines
- Velocity triangles
- Important formulae for turbines
- Power absorbing Turbo Machines

Speaker:



Dr.Jyothi lakshmi
MSRIT
Bangalore

Topic: Biogasification as a renewable energy option for energy sustainability

Date: 20/02/2021 **Link:** <http://meet.google.com/vdi-dckz-ghp>

Highlights:

- Introduction to renewable energy
- Biogas, anaerobic digestion
- Stages in designing and operating biodigester, design and fabrication
- Gas production process
- Experimental designs

Speaker:



Dr.Ramachandra C G
Presidency University
Bangaore

Topic: Heat Transfer Enhancement in Heat Exchanger using Nano Fluids

Date: 22/02/2021 **Link:** <https://meet.google.com/szi-vrqk-kwa>

Highlights:

- Introduction to Heat Exchanger
- Need for Heat Transfer Enhancement
- Mechanism of augmentation of Heat Transfer
- Introduction to nanofluids
- Methods of producing nanoparticles/nanofluids

Speaker:



Dr. Arumuga Perumal D

NITK

Surathkal

Topic: Computational fluid dynamics (CFD) project planning

Date: 22/02/2021

Link: <https://meet.google.com/yex-rpkd-qfv>

Highlights:

- Introduction to CFD
- Governing equations-fluid flow and heat transfer
- Types of CFD codes
- CFD project planning
- CFD project execution

Speaker::



Dr. R K Hegde

Professor & Head

SIT Mangalore

Topic: Wind and other Non Conventional Energy sources

Date: 22/02/2021

Link: <https://meet.google.com/vem-irxs-wgp>

Highlights:

- Introduction to wind and wind energy
- Wind mill design and Wind mill turbines
- Wind turbine generators
- Yaw and pitch control in wind mill
- Wind turbine rotor aerodynamics

Speaker:



Dr. N Gnanasekaran
NITK
Surathkal

Topic: Optimization Study on Fluid Flow and Heat Transfer through Metal Foams

Date: 23/02/2021 **Link:** <https://meet.google.com/gmq-usgc-fxd>

Highlights:

- Introduction to metal foams
- Computational domain with boundary condition
- Governing equations for porous and non porous regions
- Validation
- TOPSIS

Speaker:



Prof. Malathi
PAAC
Tiptur

Topic: Mental, Emotional development , stress management

Date: 23/02/2021 **Link:** <https://meet.google.com/egy-eyir-acf>

Highlights:

- Stress introduction
- Stressors
- Stress experience
- General adaptation syndrome
- Stress management



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KALPATARU INSTITUTE OF TECHNOLOGY
N H 206, Tiptur – 572202



Department of Mechanical Engineering

Invitation for Virtual Valedictory of
One Week AICTE-ISTE Refresher Program

on

“Thermal Engineering” (Phase - 1)

On

February 17th to 23rd , 2021



Chief Guest

: Dr. Rangaswamy T

Principal, GEC, Mosalehosahalli

President

: Sri. P.K.THIPPERUDRAPPA,

President, KVS, Tiptur

Vice Presidents, KVS

Sri. S.S. Nataraj

Sri.G.K. Prabhu

Secretaries, KVS

Prof. Rajakumar

Sri.K.P.Rudramuniswamy

Sri.T.U. Jagadeeshmurthy

Treasurer, KVS

Sri. T.S. Shivaprasad

Program Coordinator

Dr. Viswanatha B M, HOD,ME

Convener

Dr. G.D. Gurumurthy, Principal

Faculty coordinators:

Prof. Eshwariah K S , Prof. Sandeep K, Prof. Harikesha C R

All are cordially invited

HOD and Staffs, Department of Mechanical Engineering

Date: **February 23rd , 2021**

Time: **2:30 pm**

Venue: Mech. block

Appendix-I



KALPATARU INSTITUTE OF TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to VTU, Belagavi) B.H Road, Tiptur – 572 201

Department of Mechanical Engineering

AICTE – ISTE Refresher Program on Thermal Engineering, 17th to 23rd February 2021



Schedule of Sessions- Online (Google meet)

Schedule of Sessions- Online (Google meet)						
Sl. No.	Date	Session - 1 9.30 to 11.00am	11.00am to 11.30am	Session - 2 11.30 to 1.00pm	1.00pm to 2.30pm	Session - 3 2.30 to 4.00pm
1.	17.02.2021 (Wed)	Inaugural Function	B R E A K T E A	Dr. N K S Rajan Principal Scientist, IISc, Bangalore Advanced Flow Simulations Involving Combustion and heat transfers	B R E A K L U N C H	Dr. Viswanatha B M Prof. & Head, KIT,Tiptur Fundamentals of Thermodynamics
2.	18.02.2021 (Thu)	Dr. K R V Subramanian MSRIT-Bangalore Hybrid nano fluids-use and future prospects		Dr. Shashikantha Karinka Professor & Head - Dept. of ME NMAMIT, NITTE The evolution, the present and the future of IC Engines.		Dr. Niranjan Murthy MSRIT-Bangalore Multiple Jet Impingement (heat transfer augmentation with multiple jet impingement)
3.	19.02.2021 (Fri)	Dr. M G Anandakumar CPRI- Bangalore Coal, its Quality and Impact Assessment-1		Dr. V Saravanan CPRI- Bangalore Coal, its Quality and Impact Assessment-2		Dr. M G Anandakumar CPRI- Bangalore Effects of coal combustion on thermal power plant boiler components, their Remaining Life Assessment through NDE.
4.	20.02.2021 (Sat)	Dr. T N Sridhar Prof. ME, NIE, Mysore Steam Turbines		Dr. M S Govinde Gowda Prof. & Dean Academics ATME Mysore Energy Transfer in Turbo Machines		Dr. Jyothilakshmi R MSRIT, Bangalore Biogasification as a renewable energy option for energy sustainability
5.	22.02.2021 (Mon)	Dr. Ramachandra C G Presidency University, Bangoare Heat Transfer Enhancement in Heat Exchanger using Nano Fluids		Dr. Arumuga Perumal D NITK, Surathkal Computational Fluid Dynamics (CFD) Project Planning		Dr. R K Hegde Professor & Head, SIT, Mangalore Wind and other Non Conventional Energy sources
6.	23.02.2021 (Tue)	Dr. N Gnanasekaran NITK, Surathkal Optimization Study on Fluid Flow and Heat Transfer through Metal Foams		Prof. Malathi PAAC, Tiptur Mental, Emotional development , stress management		Valedictory Function and Test

Faculty Coordinators

Prof. Eshwariah K S
Associate Professor
Dept of Mechanical Engg.
Ph: 9449696780

Prof. Sandeep K
Assistant Professor
Dept of Mechanical Engg.
Ph: 9591380064

Prof. Harikesha C R
Assistant Professor
Dept of Mechanical Engg.
Ph: 7899829322

Coordinator:

Dr. Viswanatha B M
HOD & Professor
Dept of Mechanical Engg.
Ph: 8762018207

Convenor

Dr. G. D. Gurumurthy
Principal,
KIT, Tiptur

Appendix-II

Sl. No.	Name	Designation	Name of Institute or Organization
1	Kumara Swamy HS	Lecturer	Government Polytechnic Immadihalli
2	Vinoth raj D	Assistant Professor	Mount Zion College Of Engineering And Technology
3	Sushrut S. Halewadimath	Assistant Professor	K. L. E. Institute of technology
4	Kamala Priya Bysani	Assistant Professor	Lakireddy Bali Reddy College of Engineering
5	Dr Girish D P	Professor	Government Engineering College
6	Dr Mahesh T S	Associate Professor	Government Engineering College Hassan
7	B.N.Govindan.	Lecturer	Mohamed Sathak Polytechnic College
8	S Jesudass Thomas	Associate Professor	KCG College of Technology
9	Keerthi Kumar N	Assistant Professor	BMS Institute of Technology and Management
10	Dr. Shekasa Nadaf	Assistant Professor	Government Engineering College- Haveri, karnataka state, India
11	Shrikant Badi	Assistant Professor	SKSVMACET-Lakshmeshwar
12	Ravikumar J Talapati	Assistant Professor	KLS Vishwanathrao Deshpande Institute of Technology, Haliyal
13	Mahesh G	Assistant Professor	RYM Engineering College
14	Gundagani Saidulu	Assistant Professor	Mvsr Engineering College ,Nadargul
15	Shreenidhi Kulkarni	Assistant Professor	Kls Gogte Institute Of Technology. Belagavi
16	Shreehari Shaldar	Assistant Professor	Acharya Institute of Technology Bengaluru
17	Aravinda D	Assistant Professor	Dr Ambedkar Institute of Technology Bengaluru
18	T S Siddalingaprasad	Associate Professor	KIT tiptur
19	Dr. T M Chandrashekharaiah	Professor	Kalpataru Institute of Technology, Tiptur
20	Venkatesh Deshpande	Assistant Professor	KLS Gogte Institute of Technology
21	Chandrasaha C N	Lecturer	Govt polytechnic ramanagara
22	Ananda C.B	Lecturer	Government polytechnic,channasandra,kadugoudi post,bangalore-560067
23	Dr.Hemaraju	Associate Professor	Bgsit bg nagara
24	Venkatesh Rao H	Assistant Professor	Yenepoya Institute of Technology
25	Dr.Shivakumara N V	Lecturer	Government polytechnic, channasandra
26	Mallikarjuna G B	Assistant Professor	Kalpataru Institute of Technology, Tiptur
27	Dr. Raja Yateesh Yadav	Associate Professor	Shri Madhwa Vadiraja Institute of Technology and Management
28	Dr.Veeranna D.K	Professor	Belagavi
29	Venkatesan S	Assistant Professor	Arunai engineering college
30	Vinay S S	Assistant Professor	Government engineering college, mosalehosalli
31	Lavakumar K S	Assistant Professor	Acharya institute of technology
32	Mahanthesh.G	Assistant Professor	Kalpataru Institute of Technology, Tiptur
33	Akansha Srivastava	Assistant Professor	SMS Institute Of Technology
34	Mahantesh K Marikatti	Assistant Professor	SDM College Of Engineering And Technology Dharwad
35	Jonnala Subba Reddy	Associate Professor	Lakireddy Bali Reddy College Of Engineering, Mylavaram
36	Revanna K	Assistant Professor	Government Engineering College Chamrajanagar
37	Ranganatha Swamy Mk	Assistant Professor	JAIN Engineering College
38	Ramesha H	Assistant Professor	Shridevi Institute of Engineering & Technology
39	Abilash Desai	Assistant Professor	SDMCET, Dharwad
40	Narasimhaiah G	Lecturer	Government Polytechnic Immadihalli

41	Thara R	Assistant Professor	CIT, Gubbi, Tumkur
42	J Siddhartha Yadav	Assistant Professor	Raghu Engineering College
43	Dr. Jani Dilip Batukray	Associate Professor	Government Engineering College Dahod
44	Dr. Harshit B Kulkarni	Assistant Professor	KLS Gogte Institute of Technology
45	Abinash Behera	Assistant Professor	Majhighariani Institute of Technology and Science, Rayagada
46	Ajay C K	Assistant Professor	Kalahari Institute of Technology
47	Harikesha C R	Assistant Professor	Kalpataru Institute of Technology
48	Runu Das	Assistant Professor	College Of Engineering and Technology Bhubaneswar
49	Vivek Pandey	Assistant Professor	Mody University of Science and Technology
50	Dr. Pravin Anandrao Pawar	Assistant Professor	Metropolitan Institute of Technology and Management, Sindhudurg
51	Sushma S	Assistant Professor	CIT
52	Abhijith Jacob	Lecturer	SCMS College of Polytechnics Perumbavoor
53	Balaji.S	Assistant Professor	Reva university
54	Byregowda.K C	Assistant Professor	Dr. Ambedkar Institute Of Technology
55	Dr.Maheswar C Y	Assistant Professor	Sksvmacet,Laxmeshwar
56	Kishor Wagh	Assistant Professor	Guru Nanak Institute Of Engineering And Technology
57	Ranavare Vinod Ramchandra	Assistant Professor	SMSMP Institute of Technology and Research Akulj
58	Praveen Harari	Assistant Professor	Sant Gajanan Maharaj College of Engineering, Mahagaon, Kolhapur
59	Shivakumar Aravatagimath	Lecturer	Bldea's SSM Polytechnic, Vijayapur
60	Ganesh K	Assistant Professor	Nitte Meenakshi Institute Of Technology
61	Dr.M.S.Tattimani	Associate Professor	SKSVMACET ,Laxmeshwar
62	Vikram Kedambadi Vasu	Assistant Professor	Nitte Meenakshi Institute of Technology
63	Varun K R	Assistant Professor	The Oxford College of Engineering
64	Dr.Kanchiraya S	Assistant Professor	Government Engineering college, Hassan
65	Mr.Ajaykumar Bhoju Bhosale	Lecturer	Shivaji Polytechnic College, Sangola
66	Dr. V. S. Yaliwal	Assistant Professor	SDMCET
67	Dr Rajashekhara S	Assistant Professor	Siddaganga Institute of Technology
68	Mr. Paramesh Mallepakula	Assistant Professor	CMR Institute of Technology
69	Debdip Chakraborty	Assistant Professor	Calcutta Institute of Technology
70	Prashant Kakkamari	Assistant Professor	KLS Gogte Institute Of Technology,Belagavi
71	Avijit Saha	Assistant Professor	RCC Institute of Information Technology
72	Alim Shaikh	Assistant Professor	N. B. Navale Sinhgad College Of Engineering
73	Bishnu Narayan Mahapatra	Assistant Professor	College of Engineering and Technology, Bhubaneswar
74	Ashutosh Mishra	Mechanical Engineer	RGPV Bhopal
75	Mr.C.Natesamurthi	Associate Professor	Bharathidasan Engineering College, Nattrampalli, Tirupattur Dt.
76	Praveen math	Assistant Professor	Reva University Bangalore
77	Sandeep K	Assistant Professor	Kalpataru Institute of Technology, Tiptur
78	Natesh C P	Assistant Professor	Channabasaveshwara Institute of Technology
79	Rohith kumar H V	Assistant Professor	Kalpataru Institute of Technology, Tiptur

APPENDIX III

Resource Persons

- Dr. N K S Rajan
Principal Scientist, IISc, Bangalore
- Dr. M S Govinde Gowda,
Prof. & Dean Academics
ATME Mysore
- Dr. T N Sridhar
Prof. ME, NIE, Mysore
- Dr. R K Hegde
Prof. SIT, Mangalore
- Dr. M G Ananda kumar
CPRI- Bangalore
- Dr. V Saravanan
CPRI- Bangalore
- Dr. Shashikantha Karinka
Prof. & Head - Dept. of ME
NMAMIT, NITTE
- Dr. Ramachandra C G
Presidency University, Bangalore
- Dr. K R V Subramanian
MSRIT-Bangalore
- Dr. Niranjana Murthy
MSRIT-Bangalore
- Dr. Jyothilakshmi R
MSRIT, Bangalore
- Dr. Arumuga Perumal D
NITK, Surathkal
- Dr. Viswanatha B M
Prof. & Head, KIT, Tiptur
- Dr. N Gnanasekaran
NITK, Surathkal
- Prof. Malathi
PAAC, Tiptur

Chief Patron

Sri P. K. Thipperudrappa
President KVS

Patrons

Vice President KVS

Sri. S S Natraj
Sri. G K Prabhu

Treasurer KVS

Sri. T S Shivaprasad

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Prof. Mallikarjuna G B
Prof. Deepak Kumar N Y
Prof. Mamata Sarangamath
Prof. Rohith kumar H V
Prof. Dileep H B
Prof. Mahanthesh G
Prof. NaveenKumari M E
Prof. Brijesh C
Prof. Ajay C K
Prof. Anil K

Kalpataru Institute of Technology

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One Week AICTE-ISTE Online
Refresher Program
On

‘Thermal Engineering’ (Phase-1)

17/02/2021 to 23/02/2021

Sponsored by AICTE-ISTE



AICTE



VTU



ISTE



ESTD: 1986

Organised by
**Department of
Mechanical Engineering**
KIT, Tiptur



About Organizing Institute

Kalpataru Institute of Technology (KIT) is a part of KVS, the mother institution. KIT was established in 1986 with a view to provide technical education. The college is affiliated to Visvesvaraya Technological University, Belagavi and is recognized by All India Council for Technical Education (AICTE), New Delhi. The 34 year old college has an excellent team of qualified, experienced and dedicated faculty members with the state of the art infrastructure. The college campus is located on the outskirts of the town at a distance of about 2 km. from Railway station and Bus Stand.

About the Department

The Department of Mechanical Engineering was established in the year 1992 with an initial intake of 30 which further was enhanced in two stages to 60 first and then to 120. The department is currently headed by Dr. B M Viswanatha, Professor & HOD. The department is in optimum demand since its inception to till date. The department has well experienced, highly qualified and committed faculty members. The department has three Professors with Ph.D degree. The Department has research center recognized by VTU Belagavi. Many faculties are pursuing Ph.D in R&D Center of the department. The Research and Development department has received Rs. 20 lakhs grant to setup Tribological study research laboratory and Rs. 30 lakhs grant to set up Energy Conversion Engineering research laboratory from VGST Govt. of Karnataka. The department organizes symposiums, workshops and seminars under Mechanical Engineering Association (MEA) every year.

About AICTE

In accordance with the provisions of the AICTE Act (1987), for the first five years after its inception in 1988, the Minister for Human Resource Development, the Government of India, was the Chairman of the Council. The first full-time Chairman was appointed on July 2, 1993 and the Council was reconstituted in March 1994 with a term of three years. The Executive Committee was re-constituted on July 7, 1994 and All India Board of Studies and Advisory Boards were constituted in 1994-95. Regional Offices of the Ministry of Human Resource Development, the Government of India, located in Kolkata, Chennai, Kanpur, and Mumbai were transferred to AICTE and the staff working in these offices

were also deputed to the Council on foreign service terms w.e.f. October 1, 1995.

These offices functioned as secretariats of regional Committees in the four regions (North, East, West and South). Three new regional Committees in southwest, central, and northwest regions with their secretariats located in Bangalore, Bhopal, and Chandigarh, respectively, were also established on July 27, 1994. One more regional committee in South-Central region with its Secretariat in Hyderabad was notified on March 8, 2007.

About ISTE

The Indian Society for Technical Education (ISTE) is the leading National Professional non-profit making Society for the Technical Education System in our country with the motto of Career Development of Teachers and Personality Development of Students and overall development of our Technical Education System. Being the only national organisation of educators in the field of Engineering and Technology, ISTE effectively contributes in various missions of the Union Government. The strength of ISTE is the strong base it has in technical education institutions in the country. At present, the ISTE has a very large and an effective membership base consisting of 124024 Life Members, 5 lakh Student members, 2734 Institutional Members, 1369 Faculty Chapters, 1479 Student Chapters at institutional level and 17 Sections at State level.

Objectives of FDP

- ❖ To provide a platform for interaction with experts of different knowledge domains
- ❖ Faculty development programs (FDPs) have proven to be successful for improving teaching skills in higher education.
- ❖ To update the faculty members, research scholars and industry professionals about the current ongoing research in the field of Thermal Engineering and related areas.
- ❖ This FDP also helps to develop innovational thoughts, knowledge on interactions of industry and institute.
- ❖ To impart knowledge on fundamental & advanced concepts of Thermal Engineering

Advisory Committee

Prof. Anil D. Sahasrabudhe, Chairman, AICTE, New Delhi
Dr. Karisiddappa, Vice Chancellor, VTU, Belagavi
Col. B Venkat, Director, Faculty Development cell, AICTE, New-Delhi
Prof. Vijay D. Vaidya, Executive Secretary, ISTE, New Delhi
Dr. A S Deshpande, Registrar, VTU, Belagavi
Dr. B E Rangaswamy, Registrar (Evaluation), VTU, Belagavi
Dr. S Basavarajappa, Registrar, IIT Dharwad
Dr. S M Shashidhara, Former Principal, KIT, Tiptur
Dr. Rangaswamy T, Principal, GEC, Mosalehosahalli
Dr. G S Shivashankar, SIT, Tumkur
Dr. M Prasanna Kumar, UBDTCE-Davanagere
Dr. Shasikantha Karinka, NMAMIT, Nitte
Dr. Mahadevaswamy P, SCE, Bangalore
Dr. Girisha C, AMC, Bangalore
Dr. Mrunthunjaya M, JSSATE, Bangalore
Dr. B P Shikvakumar, JSSATE, Bangalore
Dr. Kanchiraya S, GEC, Hassan
Dr. Mahesh T S, GEC, Hassan
Dr. Bharath K N, GMIT, Davanagere
Dr. Umashankar K S, KVGCE, Sulya

Registration

No registration fees (Maximum participants allowed: 100, on first come first serve basis). Preference will be given to ISTE life members. E-certificates will be given to the participants those who are satisfying the requirement of 80% or more attendance and 60% or more marks in quiz which will be conducted during/end of the FDP.

Eligibility

Faculty members and research scholars belonging to AICTE approved Institutions.

Important Dates

Last date for Registration : **14-02-2021**

Confirmation of Seats : **15-02-2021**

Registration Link:

<https://forms.gle/V3eZEpifw7AcRwdDA>



Photo Gallery



Inauguration of One Week AICTE- ISTE Refresher Program on Thermal Engineering (Phase-1) on 17/02/2021



Inauguration with office bearers



Valedictory function on 23/02/2021



Family unit of Mechanical Engineering Department

ಶಿಕ್ಷಣದ ಜತೆಗೆ ತಾಂತ್ರಿಕ ಕೌಶಲ್ಯ ಅಗತ್ಯ: ವಿಜಯ ವೈದ್ಯ

• ಕನ್ನಡಪ್ರಭ ವಾರ್ತೆ ತಿಪಟೂರು

ಶಿಕ್ಷಣದ ಜೊತೆಗೆ ತಾಂತ್ರಿಕತೆಯ ಕೌಶಲ್ಯ ಮುಖ್ಯವಾಗಿದೆ. ಉಪನ್ಯಾಸಕರು ಆಳವಾದ ಅಧ್ಯಯನದಲ್ಲಿ ತಮ್ಮನ್ನು ತಾವು ತೊಡಗಿಸಿಕೊಂಡು ಉತ್ತಮ ಗುಣಮಟ್ಟದ ಶಿಕ್ಷಣ ನೀಡಿದರೆ ವಿದ್ಯಾರ್ಥಿಗಳ ಉನ್ನತ ವ್ಯಾಸಂಗಕ್ಕೆ ಸಹಕಾರಿಯಾಗಲಿದೆ ಎಂದು ನವದೆಹಲಿ ಐಎಸ್‌ಟಿಇಕಾರ್ಯಾಚರಣಾ ಕಾರ್ಯದರ್ಶಿ ಪ್ರೊ. ವಿಜಯ ವೈದ್ಯ ತಿಳಿಸಿದರು.

ನಗರದ ಕಲ್ಪತರು ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯದ ಮೆಕಾನಿಕಲ್ ಇಂಜಿನಿಯರಿಂಗ್ ವಿಭಾಗದಿಂದ ಕಾಲೇಜಿನ ಆಡಳಿತಾೀಯ ನೆಲೆ ನವದೆಹಲಿಯ ಆಲ್ ಇಂಡಿಯಾ ಕೌನ್ಸಿಲ್ ಫಾರ್ ಟೆಕ್ನಿಕಲ್ ಎಜುಕೇಷನ್ ಮತ್ತು ಇಂಡಿಯನ್ ಸೊಸೈಟಿ ಫಾರ್ ಟೆಕ್ನಿಕಲ್ ಎಜುಕೇಷನ್ ಸಂಸ್ಥೆಯ ವತಿಯಿಂದ ಮೂರು ವಾರಗಳ ಕಾಲ ಹಮ್ಮಿಕೊಂಡಿರುವ



ಥರ್ಮಲ್ ಇಂಜಿನಿಯರಿಂಗ್ ಶೀರ್ಷಿಕೆಯ ಕಾರ್ಯಾಗಾರದಲ್ಲಿ ಆನ್‌ಲೈನ್ ಮೂಲಕ ಮಾತನಾಡಿದರು.

ಕಲ್ಪತರು ವಿದ್ಯಾಸಂಸ್ಥೆ ಅಧ್ಯಕ್ಷ ಪಿ.ಕೆ. ಶಿವೇಂದ್ರಪ್ಪ ಕಾರ್ಯಾಗಾರದ ಬಿರುಕುಮಾತನಾಡಿ, ಈ ಕಾರ್ಯಾಗಾರವು ಇಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜುಗಳ ಉಪನ್ಯಾಸಕರಿಗೆ ಬಹಳ

ಉಪಯುಕ್ತವಾಗಿದ್ದು ನುರಿತ ಉಪನ್ಯಾಸಕರು ಉಪನ್ಯಾಸ ನೀಡುವುದರಿಂದ ಜ್ಞಾನಶಕ್ತಿಯು ಹೆಚ್ಚಾಗಲಿದೆ. ಇದರಿಂದ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಸಲುವಾಗಿ ಬೋಧಿಸಲು ಸಹಕಾರಿಯಾಗಿದೆ ಎಂದರು.

ಕೆ.ವಿ.ಎಸ್ ಕಾರ್ಯದರ್ಶಿ ಪ್ರೊ. ರಾಜಕುಮಾರ್ ಮಾತನಾಡಿದರು. ಧಾರವಾಡದ ಐಐಟಿ ರಿಜಿಸ್ಟ್ರಾರ್ ಡಾ. ಎಸ್. ಬಸವರಾಜಪ್ಪನವರು ಆನ್‌ಲೈನ್ ಮೂಲಕ ಶುಭ ಕೋರಿದರು. ಕೆ.ವಿ.ಎಸ್ ಬಿಜಾಂಟಿಟಿ.ಎಸ್. ಶಿವಪ್ರಸಾದ್, ಕಾರ್ಯದರ್ಶಿ ಟಿ.ಯು. ಜಗದೀಶ್ ಮೂರ್ತಿ, ಪ್ರಾಂಶುಪಾಲ ಡಾ. ಜಿ.ಡಿ. ಗುರುಮೂರ್ತಿ, ವಿಭಾಗದ ಮುಖ್ಯಸ್ಥ ಡಾ. ಬಿ.ಎಂ. ವಿಶ್ವನಾಥ್, ಉಪನ್ಯಾಸಕರಾದ ಪ್ರೊ. ಕೆ.ಎಸ್. ಈಶ್ವರಯ್ಯ, ಹರಿಕೇಶ್, ಡಾ. ಟಿ.ಎಸ್. ಕಿರಣ್ ಇದ್ದರು.

ಸ್ಪರ್ಧಾತ್ಮಕ ಯುಗದಲ್ಲಿ ತಾಂತ್ರಿಕ ಜ್ಞಾನ ಅವಶ್ಯ

ತಿಪಟೂರು: ಆಧುನಿಕ ಯುಗದಲ್ಲಿ ಜಗತ್ತಿಗೆ ತಾಂತ್ರಿಕತೆ ಅತ್ಯವಶ್ಯಕವಾಗಿದೆ. ಉಪನ್ಯಾಸಕರು ಹೊಸ ತಾಂತ್ರಿಕತೆ ಜ್ಞಾನವನ್ನು ಪಡೆದುಕೊಂಡರೆ, ಬೋಧನೆ ಜೊತೆಗೆ ಹೊಸ ಹೊಸ ಸಂಶೋಧನೆಗಳಲ್ಲಿ ತೊಡಗಿಸಿಕೊಳ್ಳಲು ಸಹಕಾರಿಯಾಗಲಿ ಎಂದು ಹಾಸನ ಜಿಲ್ಲೆ ಮೊಸಳೆ ಹೊಸಹಳ್ಳಿ ಸರ್ಕಾರಿ ಇಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜಿನ ಪ್ರಾಂಶುಪಾಲ ಡಾ.ರಂಗಸ್ವಾಮಿ ತಿಳಿಸಿದರು.

ನಗರದ ಕಲ್ಪತರು ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯದಲ್ಲಿ ನವದೆಹಲಿ ಆಲ್ ಇಂಡಿಯಾ ಕೌನ್ಸಿಲ್ ಫಾರ್ ಟೆಕ್ನಿಕಲ್ ಎಜುಕೇಷನ್ ಮತ್ತು ಇಂಡಿಯನ್ ಸೊಸೈಟಿ ಫಾರ್ ಟೆಕ್ನಿಕಲ್ ಎಜುಕೇಷನ್ ಸಂಸ್ಥೆಯಿಂದ ಹಮ್ಮಿಕೊಂಡಿದ್ದ ಥರ್ಮಲ್ ಇಂಜಿನಿಯರಿಂಗ್ ಕಾರ್ಯಾಗಾರದಲ್ಲಿ ಮಾತನಾಡಿ, ಯುವ ಉಪನ್ಯಾಸಕರಿಗೆ ಹಾಗೂ ಸಂಶೋಧನೆಯಲ್ಲಿ ತೊಡಗಿರುವ ಉಪನ್ಯಾಸಕರುಗಳಿಗೆ ಥರ್ಮಲ್ ಇಂಜಿನಿಯರಿಂಗ್ ಕಾರ್ಯಾಗಾರ ಬಹಳ ಉಪಯುಕ್ತವಾಗಿದೆ. ನುರಿತ ಹಾಗೂ ಅನುಭವಿ ಉಪನ್ಯಾಸಕರಿಂದ ಉಪನ್ಯಾಸ ನೀಡಲಾಗುತ್ತಿದ್ದು, ದೇಶದ ವಿವಿಧ ಭಾಗದ ಉಪನ್ಯಾಸಕರು ಪ್ರಯೋಜನ ಪಡೆದುಕೊಳ್ಳುತ್ತಿದ್ದಾರೆ ಎಂದರು. ಕೆಎಟಿ ಪ್ರಾಂಶುಪಾಲ ಡಾ.ಜಿ.ಡಿ.ಗುರುಮೂರ್ತಿ, ಮೆಕಾನಿಕಲ್ ವಿಭಾಗದ ಮುಖ್ಯಸ್ಥ ಡಾ.ಬಿ.ಎಂ.ವಿಶ್ವನಾಥ್, ಕಾರ್ಯಕ್ರಮದ ಉಸ್ತುವಾರಿ ಪ್ರೊ.ಕೆ.ಎಸ್.ಈಶ್ವರಯ್ಯ, ಸಿ.ಆರ್. ಹರಿಕೇಶ್, ಡಾ.ಕಿರಣ್ ಇದ್ದರು.



ತಿಪಟೂರು ಪಟ್ಟಣದ ಕಲ್ಪತರು ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯದಲ್ಲಿ ಸೊಸೈ ಥರ್ಮಲ್ ಇಂಜಿನಿಯರಿಂಗ್ ಕಾರ್ಯಾಗಾರ ನಡೆಯಿತು.

ತಾಂತ್ರಿಕತೆ ಜ್ಞಾನ ಅಗತ್ಯ: ಪ್ರಾಂಶುಪಾಲ ರಂಗಸ್ವಾಮಿ

ತಿಪಟೂರು: ಆಧುನಿಕ ಯುಗದಲ್ಲಿ ಜಗತ್ತಿಗೆ ತಾಂತ್ರಿಕತೆಯು ಅತ್ಯವಶ್ಯಕವಾಗಿದ್ದು ಉಪನ್ಯಾಸಕರು ಹೊಸ ಹೊಸ ತಾಂತ್ರಿಕತೆಯ ಜ್ಞಾನವನ್ನು ಪಡೆದುಕೊಳ್ಳಬೇಕು ಎಂದು ಹಾಸನ ಜಿಲ್ಲೆಯ ಮೊಸಳೆ ಹೊಸಹಳ್ಳಿಯ ಸರ್ಕಾರಿ ಇಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜಿನ ಪ್ರಾಂಶುಪಾಲ ಡಾ. ರಂಗಸ್ವಾಮಿ ಅಭಿಪ್ರಾಯಪಟ್ಟರು. ನಗರದ ಕಲ್ಪತರು ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯದಲ್ಲಿ ನವದೆಹಲಿಯ ಆಲ್ ಇಂಡಿಯಾ ಕೌನ್ಸಿಲ್ ಫಾರ್ ಟೆಕ್ನಿಕಲ್ ಎಜುಕೇಷನ್ ಮತ್ತು ಇಂಡಿಯನ್ ಸೊಸೈಟಿ ಫಾರ್ ಟೆಕ್ನಿಕಲ್ ಎಜುಕೇಷನ್ ಸಂಸ್ಥೆಯ ವತಿಯಿಂದ ಹಮ್ಮಿಕೊಂಡಿದ್ದ ಥರ್ಮಲ್ ಇಂಜಿನಿಯರಿಂಗ್ ಕಾರ್ಯಾಗಾರದಲ್ಲಿ ಆನ್‌ಲೈನ್ ಮೂಲಕ ಮಾತನಾಡಿದ ಅವರು, ಯುವ ಉಪನ್ಯಾಸಕರು ಹಾಗೂ ಸಂಶೋಧನೆಯಲ್ಲಿ ತೊಡಗಿರುವ ಉಪನ್ಯಾಸಕರಿಗೆ ಕಾರ್ಯಾಗಾರವು ಬಹಳ ಉಪಯುಕ್ತವಾಗಿದೆ. ನುರಿತ ಹಾಗೂ ಅನುಭವಿ ಉಪನ್ಯಾಸಕರು ಉಪನ್ಯಾಸ ನೀಡುತ್ತಿದ್ದು ದೇಶದ ವಿವಿಧ ಭಾಗದ ಉಪನ್ಯಾಸಕರು ಪ್ರಯೋಜನ ಪಡೆದುಕೊಳ್ಳುತ್ತಿದ್ದಾರೆ ಎಂದರು. ಈ ಸಂದರ್ಭದಲ್ಲಿ ಕೆಎಟಿ ಪ್ರಾಂಶುಪಾಲ ಡಾ. ಜಿ.ಡಿ. ಗುರುಮೂರ್ತಿ, ಮೆಕಾನಿಕಲ್ ವಿಭಾಗದ ಮುಖ್ಯಸ್ಥ ಡಾ. ಬಿ.ಎಂ.ವಿಶ್ವನಾಥ್, ಕಾರ್ಯಕ್ರಮದ ಉಸ್ತುವಾರಿ ಪ್ರೊ. ಕೆ.ಎಸ್. ಈಶ್ವರಯ್ಯ, ಪ್ರೊ. ಸಿ.ಆರ್. ಹರಿಕೇಶ್, ಡಾ. ಕಿರಣ್ ಮತ್ತಿತರರಿದ್ದರು. ಮುಂದಿನ ಎರಡು ವಾರಗಳ ಕಾಲ ನಡೆಯುವ ಈ ಕಾರ್ಯಕ್ರಮಕ್ಕೆ ಕಲ್ಪತರು ವಿದ್ಯಾಸಂಸ್ಥೆಯ ಅಧ್ಯಕ್ಷರು ಹಾಗೂ ಪದಾಧಿಕಾರಿಗಳು ಅಭಿನಂದನೆ ಸಲ್ಲಿಸಿದ್ದಾರೆ.



ಕಾರ್ಯಾಗಾರದಲ್ಲಿ ಪ್ರಾಂಶುಪಾಲ ಡಾ.ಜಿ.ಡಿ. ಗುರುಮೂರ್ತಿ, ಮೆಕಾನಿಕಲ್ ವಿಭಾಗದ ಮುಖ್ಯಸ್ಥ ಡಾ.ಬಿ.ಎಂ.ವಿಶ್ವನಾಥ್ ಮತ್ತಿತರರು.

ಇಂಜಿನಿಯರಿಂಗ್ ಕಾರ್ಯಾಗಾರ

ತಿಪಟೂರು: ನಗರದ ಕಲ್ಪತರು ತಾಂತ್ರಿಕ ವಿವಿ ಮೆಕಾನಿಕಲ್ ಇಂಜಿನಿಯರಿಂಗ್ ವಿಭಾಗದಿಂದ ಮೂರುವಾರಗಳ ಕಾಲ ಥರ್ಮಲ್ ಇಂಜಿನಿಯರಿಂಗ್ ಶೀರ್ಷಿಕೆಯಡಿ ಮೊದಲನೇ ಹಂತದ ಕಾರ್ಯಾಗಾರವನ್ನು ಕಾಲೇಜಿನ ಆಡಳಿತಾೀಯ ನೆಲೆ ಫೆ.17ರ ಬುಧವಾರದಿಂದ ಫೆ.23ರವರೆಗೆ ಬೆಳಿಗ್ಗೆ 9.30ಕ್ಕೆ ಹಮ್ಮಿಕೊಳ್ಳಲಾಗಿದೆ. ಮುಖ್ಯ ಅತಿಥಿಗಳಾಗಿ ಧಾರವಾಡದ ಐಐಟಿ ರಿಜಿಸ್ಟ್ರಾರ್ ಡಾ.ಎಸ್.ಬಸವರಾಜಪ್ಪ, ನವದೆಹಲಿ ಐಎಸ್‌ಟಿಇ ಎಕ್ಸಿಕ್ಯೂಟಿವ್ ಸೆಕ್ರೆಟರಿ ಪ್ರೊ. ವಿಜಯ ಡಿ. ವೈದ್ಯ, ಕೆ.ವಿ.ಎಸ್ ಅಧ್ಯಕ್ಷ ಪಿ.ಕೆ. ಶಿವೇಂದ್ರಪ್ಪ, ಉಪಾಧ್ಯಕ್ಷರಾದ ಜಿ.ಕೆ. ಪ್ರಭು, ಎಸ್.ಎಸ್. ನಟರಾಜ್, ಕಾರ್ಯದರ್ಶಿಗಳಾದ ಕೆ.ಪಿ. ರುದ್ರಮುನಿಸ್ವಾಮಿ, ಪ್ರೊ.ರಾಜಕುಮಾರ್, ಟಿ.ಯು. ಜಗದೀಶ್ ಮೂರ್ತಿ, ಬಿಜಾಂಟಿಟಿ.ಎಸ್. ಶಿವಪ್ರಸಾದ್, ಪ್ರಾಂಶುಪಾಲ ಡಾ. ಜಿ.ಡಿ. ಗುರುಮೂರ್ತಿ ಸೇರಿದಂತೆ ದೇಶದ ವಿವಿಧ ತಾಂತ್ರಿಕ ಕಾಲೇಜುಗಳಿಂದ ಸುಮಾರು 150ಕ್ಕೂ ಹೆಚ್ಚು ಉಪನ್ಯಾಸಕರು ಭಾಗವಹಿಸಲಿದ್ದಾರೆ ಎಂದು ವಿಭಾಗದ ಮುಖ್ಯಸ್ಥ ಡಾ.ಬಿ.ಎಂ. ವಿಶ್ವನಾಥ್ ಪತ್ರಿಕಾ ಪ್ರಕಟಣೆಯಲ್ಲಿ ತಿಳಿಸಿದ್ದಾರೆ.

ಶಿಕ್ಷಣದ ಜೊತೆ ತಾಂತ್ರಿಕತೆ ಕೌಶಲ್ಯ ಅಗತ್ಯ

ತಿಪಟೂರು: ಶಿಕ್ಷಣದ ಜೊತೆಗೆ ತಾಂತ್ರಿಕತೆ ಕೌಶಲ್ಯ ಮುಖ್ಯವಾಗಿದೆ. ಉಪನ್ಯಾಸಕರು ಆಳವಾದ ಅಧ್ಯಯನದಲ್ಲಿ ತಮ್ಮನ್ನು ತಾವು ತೊಡಗಿಸಿಕೊಂಡು ಉತ್ತಮ ಗುಣಮಟ್ಟದ ಶಿಕ್ಷಣ ನೀಡಿದರೆ, ವಿದ್ಯಾರ್ಥಿಗಳ ಉನ್ನತ ಮ್ಯಾಸಂಗಕ್ಕೆ ಸಹಕಾರಿಯಾಗಲಿದೆ ಎಂದು ನವದೆಹಲಿ ಐಎಸ್‌ಟಿಇ ಎಕ್ಸಿಕ್ಯೂಟಿವ್ ಸೆಕ್ರೆಟರಿ ಪ್ರೊ.ಡಿ.ವಿಜಯ ಶಿಲಿಸಿದರು.

ನಗರದ ಕಲ್ಪತರು ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯದಲ್ಲಿ ನವದೆಹಲಿಯ ಆಲ್ ಇಂಡಿಯಾ ಕೌನ್ಸಿಲ್ ಫಾರ್ ಟೆಕ್ನಿಕಲ್ ಎಜುಕೇಶನ್ ಮತ್ತು ಇಂಡಿಯನ್ ಸೂಪೆರ್ ಫಾರ್ ಟೆಕ್ನಿಕಲ್ ಎಜುಕೇಷನ್ ಸಂಸ್ಥೆಯಿಂದ ಮೂರು ವಾರಗಳ ಕಾಲ ಹಮ್ಮಿಕೊಂಡಿರುವ ಥರ್ಮಲ್ ಇಂಜಿನಿಯರಿಂಗ್ ಶೀರ್ಷಿಕೆ ಕಾರ್ಯಾಗಾರದಲ್ಲಿ ಆನ್‌ಲೈನ್ ಮೂಲಕ ಮಾತನಾಡಿ, ನಮ್ಮ ಸಂಸ್ಥೆಗಳು ಈ ರೀತಿಯ ಅನುದಾನವನ್ನು ಪ್ರತಿ ಕಾಲೇಜಿಗೆ ನೀಡುತ್ತಾ ಬಂದಿತ್ತು. ಇದರ ಅನುದಾನ ಅಡಿಯಲ್ಲಿ ಕಲ್ಪತರು ಮೆಕ್ಯಾನಿಕ್ ವಿಭಾಗವು ಆಯ್ಕೆಯಾಗಿದ್ದು ಯುವ ಉಪನ್ಯಾಸಕರುಗಳು ಕಾರ್ಯಾಗಾರದ ಪ್ರಯೋಜನ ಪಡೆದು ಕೊಳ್ಳಬೇಕೆಂದರು.

ಕಲ್ಪತರು ವಿದ್ಯಾಸಂಸ್ಥೆ ಅಧ್ಯಕ್ಷ ಪಿ.ಕೆ.ತಿಪ್ಪೇರುದ್ರಪ್ಪ



ತಿಪಟೂರಿನ ಕಲ್ಪತರು ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯದಲ್ಲಿ ನಡೆದ ಥರ್ಮಲ್ ಇಂಜಿನಿಯರಿಂಗ್ ಕಾರ್ಯಾಗಾರದಲ್ಲಿ ನವದೆಹಲಿ ಐಎಸ್‌ಟಿಇ ಎಕ್ಸಿಕ್ಯೂಟಿವ್ ಸೆಕ್ರೆಟರಿ ಪ್ರೊ.ವಿಜಯ ಮಾತನಾಡಿದರು.

ಮಾತನಾಡಿ, ಈ ಕಾರ್ಯಾಗಾರವು ಇಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜುಗಳ ಉಪನ್ಯಾಸಕರಿಗೆ ಬಹಳ ಉಪಯುಕ್ತವಾಗಿದ್ದು, ಜ್ಞಾನಶಕ್ತಿಯು ಹೆಚ್ಚಾಗಲಿದೆ. ಇದರಿಂದ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಸಲುವಾಗಿ ಬೋಧಿಸಲು ಸಹಕಾರಿಯಾಗಿದೆ. ಮೆಕ್ಯಾನಿಕ್ ವಿಭಾಗವು ಈ ರೀತಿಯ ಕಾರ್ಯಕ್ರಮವನ್ನು ಆಯೋಜಿಸಿ ಕಾಲೇಜಿನ ಘನತೆಯನ್ನು ಎತ್ತಿಹಿಡಿದಿದೆ ಎಂದರು.

ಕೆಎಎಸ್ ಕಾರ್ಯದರ್ಶಿ ಪ್ರೊ.ರಾಜಕುಮಾರ್ ಮಾತನಾಡಿ, ಥರ್ಮಲ್ ಇಂಜಿನಿಯರಿಂಗ್ ವಿಭಾಗವು ಮೆಕ್ಯಾನಿಕ್ ವಿಭಾಗವಾಗಿದ್ದು ಈ

ವಿಷಯವು ರಿಪ್ರಿಜಿಯೇಟರ್, ಎದ್ದುತ್ ಉತ್ಪಾದನೆ, ಹವಾನಿಯಂತ್ರಿತ ತಂತ್ರಜ್ಞಾನದಲ್ಲಿ ಬಹಳ ಉಪಯೋಗವಾಗುತ್ತಿದೆ ಎಂದು ಹೇಳಿದರು.

ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ ಧಾರವಾಡದ ಐಐಟಿ ರಿಜಿಸ್ಟ್ರಾರ್ ಡಾ.ಎಸ್.ಬಸವರಾಜಪ್ಪ, ಕೆಎಎಸ್ ವಿಜಾಂಟಿ ಟಿ.ಎಸ್. ಶಿವಪ್ರಸಾದ್, ಕಾರ್ಯದರ್ಶಿ ಟಿ.ಯು. ಜಗದೀಶ್ ಮೂರ್ತಿ, ಪ್ರಾಂಶುಪಾಲ ಡಾ.ಜಿ.ಡಿ. ಗುರುಮೂರ್ತಿ, ಡಾ.ಬಿ.ಎಂ.ವಿಶ್ವನಾಥ್, ಪ್ರೊ.ಕೆ.ಎಸ್.ಈಶ್ವರಯ್ಯ, ಹರಿಕೇಶ್, ಡಾ.ಟಿ.ಎಸ್. ಕಿರಣ್ ಭಾಗವಹಿಸಿದ್ದರು.

Newspaper clippings about the program on 'Thermal Engineering'

“Science can amuse and fascinate us all, but it is engineering that changes the world.”

– *Isaac Asimov*

Thank you

One Week AICTE-ISTE Online Refresher Program on

‘Thermal Engineering’ (Phase-2)

17/03/2021 to 23/03/2021

Sponsored by AICTE-ISTE, New Delhi

Proceedings of Phase-2



ESTD: 1986



Organized by

Department of Mechanical Engineering

Kalpataru Institute of Technology

(Affiliated to VTU, Belagavi and Recognized by AICTE, New Delhi)

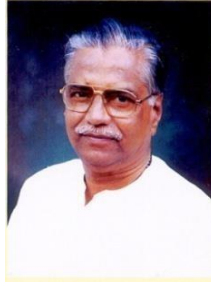
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Sri P. K. Thipperudrappa

Vice Presidents



Sri. S S Natraj

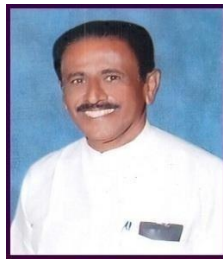


Sri. G K Prabhu

Secretaries



Prof. Rajakumar



Sri.K P Rudramuniswamy



Sri. T U Jagadeeshamurthy

Treasurer KVS



Sri. T S Shivaprasad

Refresher Program on
‘Thermal Engineering’ (Phase-2)
17/03/2021 to 23/03/2021
Organized by



Department of Mechanical Engineering

Kalpataru Institute of Technology

Tiptur, Karnataka-572 201

Program Coordinator

Dr. Viswanatha B M

Professor & HOD

Department of Mechanical Engg

Convenor

Dr. G D Gurumurthy

Principal

KIT, Tiptur

Acknowledgement

We express our sincere gratitude to **Sri P K Thipperudrappa**, President, KVS, Tiptur, all office bearers and **Dr. Gurumurthy**, Principal, KIT, Tiptur for their constant support and encouragement in conducting One Week AICTE-ISTE Refresher Program on **‘Thermal Engineering’ (Phase-2)** from 17/03/2021 to 23/03/2021.

We express our heartfelt thanks to AICTE, ISTE New Delhi and VTU Belagavi for infusing life into this One Week AICTE-ISTE Refresher Program on **‘Thermal Engineering’ (Phase-2)**.

We feel exhilarated to express our sincere thanks to the advisory committee, faculties, and the staff of KIT for their invaluable support and whole hearted cooperation right from the conceptual stage to the successful execution of this programme.

We appreciate involvement of participants and thank them for sparing their valuable time for this online session. We are sure that by participating in the session they will gain useful knowledge and innovative ideas related to thermal engineering.

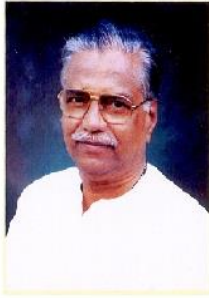
We thank all others who have extended their help directly or indirectly to the success of this One Week AICTE-ISTE Refresher Program on **‘Thermal Engineering’ (Phase-2)**.

Program Coordinator

Dr. Viswanatha B M
Professor & HOD
Department of Mechanical Engg

Convenor

Dr. G D Gurumurthy
Principal
KIT, Tiptur



Sri P K Thipperudrappa

President, KVS

It is pleasure that the Department of Mechanical Engineering successfully conducted One Week AICTE-ISTE Refresher Program on Thermal Engineering Phase -1. It provided a great platform for researchers working in thermal related areas of Mechanical Engineering. I am sure that **Phase-2** will also promote the faculties and researchers for gaining their knowledge on recent advancements in **Thermal Engineering** and bring enhancement to their career.

I wish this One Week AICTE-ISTE Refresher Program on **Thermal Engineering (Phase-2)** a great success.



Sri. T S Shivaprasad

Treasurer, KVS

I heartily congratulate all the organizing committee members for successful completion of One Week AICTE-ISTE Refresher Program on Thermal Engineering (Phase-1).

My best wishes to all the coordinators and participants for this One Week AICTE-ISTE Refresher Program on **Thermal Engineering (Phase-2)**. I congratulate department of Mechanical Engineering for organizing this program and wish a grand success. Wish to see a lot more such programs from the Department in the future.

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Dr. G D Gurumurthy
Principal
Kalpataru Institute of Technology
Tiptur

I am happy to note that the department of Mechanical Engineering completed One Week AICTE-ISTE Refresher Program on **Thermal Engineering (Phase-1)** with great pleasure. The resource persons invited were from prestigious institutions and organizations with a vast knowledge related to thermal engineering topics. Participants from all over India were benefitted by attending this program.

I congratulate department of Mechanical Engineering for organizing this program and wish them a grand success for **Thermal Engineering (Phase-2)** Program.



Dr. Viswanatha B M
Professor & Head
Dept. of Mechanical Engg.
KIT, Tiptur

As Department of Mechanical Engineering organized one week online **Refresher Program On Thermal Engineering (Phase-1)** sponsored by AICTE-ISTE, New Delhi. Over 80 participants received certificates by completing the program successfully, followed by objective test. With the positive response and feedback from the participants, we hereby are preceding for **PHASE-2**. I hope this program shares out the knowledge to every participants and to make effective use of it. I am very much thankful to Authorities of AICTE-ISTE and resource persons, participants, office bearers of Kalpataru Vidya Samsthe and principal of esteemed organization. All the best for the program.

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Dr.T M Chandrashekhariah

Professor

Dept. of Mechanical Engg.

KIT, Tiptur

I am happy that the Department of Mechanical Engineering KIT, Tiptur conducted AICTE-ISTE Refresher Program on **Thermal Engineering (Phase-1)** and was successful. I am sure that all the participants of Mechanical Engineering Department boosted their knowledge in thermal related fields and are benefitted to maximum.

As a faculty coordinator it is a great pleasure to organize **(Phase-2)** program sponsored by AICTE-ISTE New Delhi. I am seeking the same co-ordination and support from all the resource persons, participants and faculty members of Department of Mechanical Engineering. My best wishes to all the participants.

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Department of Mechanical Engineering



Invitation for Virtual Inauguration of
One Week AICTE-ISTE Refresher Program

on

“Thermal Engineering”

(Phase - 2)

On

March 17th to 23rd, 2021



Chief Guest

: Prof. Pratapsinh Kakaso Desai
President, ISTE, New Delhi

Guests of Honor

: Dr. Shrinivas S Balli
Vice Chancellor, Nrupathunga University, Bengaluru.

President

: Sri. P.K. THIPPERUDRAPPA,
President, KVS, Tiptur

Patrons :

Vice Presidents, KVS

Sri. S.S. Nataraj
Sri.G.K. Prabhu

Secretaries, KVS

Prof. Rajakumar
Sri.K.P.Rudramuniswamy
Sri.T.U. Jagadeeshmurthy

Treasurer, KVS

Sri. T.S. Shivaprasad

Program Coordinator

Dr. Viswanatha B M, HOD, ME

Convener

Dr. G.D. Gurumurthy, Principal

Faculty coordinators:

Dr. T M Chandrashekhariah, Prof. T S Siddalingaprasad, Prof. Ajay.C.K

All are cordially invited

HOD and Staffs, Department of Mechanical Engineering

Date: March 17th, 2021

Time: 9:30 am

Venue : KIT Admin block

About Organizing Institute

Kalpataru Institute of Technology (KIT) is a part of KVS, the mother institution. KIT was established in 1986 with a view to provide technical education. The college is affiliated to Visvesvaraya Technological University, Belagavi and is recognized by All India Council for Technical Education (AICTE), New Delhi. The 35 year old college has an excellent team of qualified, experienced and dedicated faculty members with the state of the art infrastructure. The college campus is located on the outskirts of the town at a distance of about 2 km. from Railway station and Bus Stand.

About the Department

The Department of Mechanical Engineering was established in the year 1992 with an initial intake of 30 which further was enhanced in two stages to 60 first and then to 120. The department is currently headed by Dr. B M Viswanatha, Professor & HOD. The department has well experienced, highly qualified and committed faculty members. The department has three Professors with Ph.D degree. The Department has research center recognized by VTU Belagavi. Many faculties are pursuing Ph.D in R&D Center of the department. The R & D centre have received Rs. 20 lakhs grant to setup Tribological study research laboratory and Rs. 30 lakhs grant to set up Energy Conversion Engineering research laboratory from VGST(Vision Group of Science and Technology) Govt. of Karnataka. The department organizes symposiums, workshops and seminars under Mechanical Engineering Association (MEA) every year.

About AICTE

In accordance with the provisions of the AICTE Act (1987), for the first five years after its inception in 1988, the Minister for Human Resource Development, the Government of India, was the Chairman of the Council. The first full-time Chairman was appointed on July 2, 1993 and the Council was reconstituted in March 1994 with a term of three years. The Executive Committee was re-constituted on July 7, 1994 and All India Board of Studies and Advisory Boards were constituted in 1994-95. Regional Offices of the Ministry of Human Resource Development, the Government of India, located in Kolkata, Chennai, Kanpur, and Mumbai were

transferred to AICTE and the staff working in these offices were also deputed to the Council on foreign service terms w.e.f. October 1, 1995.

These offices functioned as secretariats of regional Committees in the four regions (North, East, West and South). Three new regional Committees in southwest, central, and northwest regions with their secretariats located in Bangalore, Bhopal, and Chandigarh, respectively, were also established on July 27, 1994. One more regional committee in South-Central region with its Secretariat in Hyderabad was notified on March 8, 2007.

About ISTE

The Indian Society for Technical Education (ISTE) is the leading National Professional non-profit making Society for the Technical Education System in our country with the motto of Career Development of Teachers and Personality Development of Students and overall development of our Technical Education System. Being the only national organisation of educators in the field of Engineering and Technology, ISTE effectively contributes in various missions of the Union Government. The strength of ISTE is the strong base it has in technical education institutions in the country. At present, the ISTE has a very large and an effective membership base consisting of 124024 Life Members, 5 lakh Student members, 2734 Institutional Members, 1369 Faculty Chapters, 1479 Student Chapters at institutional level and 17 Sections at State level.

Objectives of FDP

- To provide a platform for interaction with experts of different knowledge domains
- Faculty development programs (FDPs) have proven to be successful for improving teaching skills in higher education.
- To update the faculty members, research scholars and industry professionals about the current ongoing research in the field of Thermal Engineering and related areas.
- This FDP also helps to develop innovational thoughts, knowledge on interactions of industry and institute.
- To impart knowledge on fundamental & advanced concepts of Thermal Engineering.

Chief Patron

President KVS

Sri P. K. Thipperudrappa

Patrons

Vice President KVS

Sri. S S Natraj

Sri. G K Prabhu

Secretaries KVS

Prof. Rajakumar

Sri. K P Rudramuniswamy

Sri. T U Jagadeeshamurthy

Treasurer KVS

Sri. T S Shivaprasad

Convenor

Dr. G D Gurumurthy

Principal, KIT, Tiptur

Program Coordinator

Dr. Viswanatha B M

Professor & HOD

Dept. of Mechanical Engg.

Advisory Committee

Prof. Anil D. Sahasrabudhe, Chairman, AICTE, New Delhi
Dr. Karisiddappa, Vice Chancellor, VTU, Belagavi
Col. B Venkat, Director, Faculty Development cell, AICTE, New-Delhi
Prof. Vijay D. Vaidya, Executive Secretary, ISTE, New Delhi
Dr. Shrinivas S Balli, Vice Chancellor of Nrupathunga University, Bengaluru.
Dr. A S Deshpande, Registrar, VTU, Belagavi
Dr. B E Rangaswamy, Registrar (Evaluation), VTU, Belagavi
Dr. S Basavarajappa, Registrar, IIT Dharwad
Dr. S M Shashidhara, Former Principal, KIT, Tiptur
Dr. Rangaswamy T, Principal, GEC, Mosalehosahalli
Dr. Venkateswarulu, Principal Scientist, NAL, Bangalore
Dr. V V Katti Principal, K.L.S's VBIT, Haliyal
Dr. Irfan G Principal HMSIT, Tumkuru
Dr. P M Suresh ACS College of Engineering, Bangalore
Dr. Girish AMCE College, Bangalore
Dr. M Prasanna Kumar, UBDTCE-Davanagere
Dr. Shasikantha Karinka, NMAMIT, Nitte
Dr. Mahadevaswamy PSCE, Bangalore
Dr. D P Girish, GEC, Ramanagar
Dr. Mrunthunjaya M, JSSATE, Bangalore
Dr. B P Shikvakumar, JSSATE, Bangalore
Dr. Kanchiraya S, GEC, Hassan
Dr. Mahesh T S, GEC, Hassan
Dr. H S Shivashankar, SIT, Tumkur

Program Coordinator

Dr. Viswanatha B M

Professor & HOD

Dept. of Mechanical Engg.

Faculty Coordinators

Dr. T M Chandrashekhariah

Prof. T S Siddalingaprasad

Prof. Ajay.C.K

Organizing Committee

Dr. Kiran T S

Prof. Eswariah K S

Prof. Aradhya S M

Prof. Mallikarjuna G B

Prof. Deepak kumar N Y

Prof. Mamata Sarangamath

Prof. Rohith kumar H V

Prof. Dileep H B

Prof. Mahanthesh G

Prof. Sandeep K

Prof. Harikesh C R

Prof. Naveen Kumari M E

Prof. Brijesh C

Prof. Anil K

Compiled by:

Prof. Mamata Sarangamath

Prof. Naveen Kumari M E

Resource Persons

Dr. Shrinivas S Balli, Vice Chancellor of Nrupathunga University, Bengaluru.

Dr. Vadiraj Katti, Principal, K.L.S's V.D.I.T, Haliyal

Dr. Rajesh M System Manager, Propulsion Systems-TAPAS, DRDO, Bangalore

Dr. C K Umesh Professor, UVCE, Bangalore

Dr. Ishwar V Basavaraddi, Director, Morarji Desai National Institute of Yoga, Ministry of Ayush. GOI

Dr. Narendranath S, NITK, Surathkal.

Dr. Poornesh kumar K, NITK, Surathkal.

Dr. Prem Kumar S, SDM, Ujire.

Dr. N R Banapurmath, BVBCCE, Hubli.

Dr. Giridhar Babu, Principal Scientist, NAL, Bangalore.

Dr. V S Yaliwal, SDM, Dharwad

Dr. Gowreesh S, JSSATE, Bangalore

Dr. Gnanashekhar, NITK, Surathkal

Dr. Viswanatha B M, Prof. & Head, KIT, Tiptur

Dr. Bhaskar H B, SSIT, Tumkur,

Dr. Anish.S, NITK, Surathkal.

Dr. Arun S B, SIT, Tumkur

Session schedules				
Date :17/03/2021 Wednesday				
Sessions	Time	Resource Persons	Topics	Address
1	9.30-11.00 am	Inaugural Function		
2	11.30-1.00 pm	Dr.Narendranath S	Heat Transfer of shape memory alloys	NITK Surathkal
3	2.30–4.00 pm	Dr. Rajesh M	Engine /Airframe Integration Aspects in UAVs	System Manager DRDO Bangalore
Date :18/03/2021 Thursday				
1	9.30-11.00 am	Harikesha C R	Energy Scenario Overview of Solar Energy Conversion Devices and Applications	KIT Tiptur
2	11.30-1.00 pm	Dr. Ishwar V. Basavaraddi	YOGA Health & Meditation	Director MDNI of YOGA Ministry of Ayush, GOI
3	2.30 – 4.00 pm	Dr. C K Umesh	New Advanced Research in Heat Transfers	Professor UVCE, Bangalore
Date :19/03/2021 Friday				
1	9.30- 11.00am	Dr. Poornesh kumar K	Convectional & Hybrid Electric Power Trains	NITK Surathkal.
2	11.30-1.00pm	Dr. Prem Kumar S	Solar Dryer	SDM, Ujire.
3	2.30– 4.00pm	Dr. N R Banapurmath	Nano Materials for energy cooling and structural applications	BVBCE, Hubli

Session schedules				
Date :20/03/2021 Saturday				
Sessions	Time	Resource Persons	Topics	Address
1	9.30-11.00 am	Dr. Giridhar babu	Gas turbine heat transfer activities	Principal Scientist NAL, Bangalore
2	11.30-1.00pm	Dr. Bhaskar H B	I C Engines	SSIT Tumkur
3	2.30– 4.00 pm	Dr. Gowreesh S	Advances in CFD	JSSATE Bangalore
Date :22/03/2021 Monday				
1	9.30 -11.00am	Dr. Gnanashekhar	Fluid flow and heat transfer studies on high porosity metal foam.	NITK Surathkal
2	11.30-1.00pm	Dr. V S Yaliwal	Effect of gaseous fuel in the combustion and emission characteristics in diesel engine operated on dual fuel mode	SDM Dharwad
3	2.30 –4.00 pm	Dr. Viswanatha BM	Gas power cycles	Prof. & Head KIT, Tiptur
Date :23/03/2021 Tuesday				
1	9.30-11.00 am	Dr. Anish S	Wet compression In gas turbine Engine	NITK Suratkal
2	11.30-1.00pm	Dr. Arun S B	Bio diesel as an alternative fuel.	SIT Tumkur
3	2.30– 4.00pm	Valedictory Function and Test		

Speaker:



Dr. Narendranath S

NITK

Surathkal

Topic: Heat Transfer of shape memory alloys

Date: 17/03/2021 **Link:** <https://meet.google.com/qci-vzcc-cuw>

Highlights:

- Introduction
- History of SMAs
- SMA requirements
- Properties and composition control
- Precise characterization technologies

Speaker:



Dr. Rajesh M

System Manager

Propulsion Systems -TAPAS, DRDO, Bangalore

Topic: Engine /Airframe Integration Aspects in UAVs

Date: 17/03/2021 **Link:** <https://meet.google.com/iap-ubgs-pnx>

Highlights:

- Unmanned aerial vehicles
- Introduction to engine selection
- Challenges in mechanical integration
- Challenges in electrical interfacing
- Basics of engine control

Speaker:



Hariksha C R

Assistant Professor, KIT, Tiptur

Topic: **Energy Scenario-Overview of Solar Energy Conversion Devices and Applications**

Date: 18/03/2021 **Link:** <https://meet.google.com/ynm-kdof-vpa>

Highlights:

- Introduction to energy
- Understanding heat movement
- Evacuated tube solar water heater
- Flat plate collector for air heating
- Grid connected system

Speaker:



Dr. Ishwar V. Basavaraddi

Director, Morarji Desai National Institute of YOGA

Ministry of Ayush. Govt of India.

Topic: **YOGA Health & Meditation**

Date: 18/03/2021 **Link:** <https://meet.google.com/gkk-dfhi-wox>

Highlights:

- Salient features of yoga
- Role of yoga in health and well being
- States of consciousness
- Sharer and kosha
- Yogic cleansing practices

Speaker:



Dr. C K Umesh

Professor

UVCE, Bangalore

Topic: **New Advanced Research in Heat Transfers**

Date: 18/03/2021 **Link:** <https://meet.google.com/eqs-vend-hyx>

Highlights:

- Flow visualization
- Understanding fluid flows
- Methods of flow measurements
- Computational fluid dynamics
- Gas turbine blade cooling

Speaker:



Dr. Poornesh kumar K

NITK

Surathkal.

Topic: **Topic: Convictional & Hybrid Electric Power Trains**

Date: 19/03/2021 **Link:** <https://meet.google.com/qwu-hxuy-byu>

Highlights:

- Introduction and Design thinking
- Faster adoption and manufacturing of hybrid and EV (FAME)II
- Electric vehicle ecosystem
- Electric and conventional power trains
- Comparisons

Speaker:



Dr. Prem Kumar S

SDM, Ujire.

Topic: Solar Dryer

Date: 19/03/2021 **Link:** <https://meet.google.com/amx-gxqu-jch>

Highlights:

- Solar energy and availability
- Hunger and food wastage
- Introduction and design considerations of Solar Dryer
- Drying mechanism
- Drying models

Speaker:



Dr. N R Banapurmath

BVBCE, Hubli.

Topic: Nano Materials for energy cooling and structural applications

Date: 19/03/2021 **Link:** <https://meet.google.com/wsp-uder-zhe>

Highlights:

- Comparison between European and Bharath stage
- Production and storage of hydrogen
- Differences between Macro-Micro-Nano
- Nano and nature
- Nano biodiesel preparation

Speaker:



Dr. Giridhar Babu

Principal scientist, NAL, Bangalore

Topic: Gas turbine heat transfer activities

Date: 20/03/2021 **Link:** <https://meet.google.com/ict-tthk-ppx>

Highlights:

- Gas turbine heat transfer research activities
- Different gas turbine engines
- Need for turbine blade cooling
- Film cooling concept
- Instrumentation details of impingement

Speaker:



Dr. Bhaskar H B

SSIT, Tumkur

Topic: I C Engines

Date: 20/03/2021 **Link:** <https://meet.google.com/izq-uhqw-dhm>

Highlights:

- Alternative fuels for CIDI engines
- Methods to improve performance of diesel engines
- Types of alternative fuels
- Why bio diesel and nano particle?
- Why bio diesel and acetylene gaseous fuel?

Speaker:



Dr. Gowreesh S

JSSATE, Bangalore

Topic: Advances in CFD

Date: 20/03/2021 **Link:** <https://meet.google.com/wrp-pdjo-uuq>

Highlights:

- Introduction, why CFD?
- CFD modeling capabilities
- How CFD works
- Overview of CFD
- Case studies ,CFD as a solver

Speaker:



Dr. Gnanasekaran

NITK, Surathkal

Topic: Fluid Flow and Heat Transfer Studies on High Porosity Metal Foam

Date: 22/03/2021 **Link:** <https://meet.google.com/kck-wmsz-awb>

Highlights:

- Introduction and motivation
- Mixed convection through high porosity metal foams
- Mixed convection through partially filled metal foams
- A synergistic combination of thermal models
- Numerical simulation of a horizontal pipe in the presence of metal foam

Speaker:



Dr. V S Yaliwal

SDM Dharwad

Topic: Effect of gaseous fuel on the combustion and emission characteristics in diesel engine operated on dual fuel mode

Date: 22/03/2021 **Link:** <https://meet.google.com/jxx-qyoo-zki>

Highlights:

- Engine used for dual fuel operation
- Combustion process or combustion stages
- Diesel knock
- Bio fuels for diesel engine applications
- Gasification

Speaker:



Dr. Viswanatha B M

Prof. & Head, KIT, Tiptur

Topic: Gas power cycles

Date: 22/03/2021 **Link:** <https://meet.google.com/ywb-ptyy-njz>

Highlights:

- Carnot gas power cycle
- Otto cycle and diesel cycle
- Comparison of otto, diesel and dual cycle
- Methods for improvement of thermal efficiency of open cycle gas turbine plant
- Intercooling and reheating

Speaker:



Dr. Anish S

NITK, Suratkal

Topic: Wet compression in gas turbine Engine

Date: 23/03/2021 **Link:** <https://meet.google.com/cew-pmyn-qdk>

Highlights:

- Power augmentation methods
- Global trends and forecast
- Principle: inlet fogging
- Working principle : wet compression
- wet compression: advantages and challenges

Speaker:



Dr. Arun S B

SIT, Tumkur

Topic: Bio diesel as an alternative fuel

Date: 23/03/2021 **Link:** <https://meet.google.com/ncc-ccvo-eba>

Highlights:

- Introduction
- Scope for bio diesel in Karnataka
- Non edible oil seeds
- Bio diesel production
- ASTM standards for fuel properties of biodiesel



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KALPATARU INSTITUTE OF TECHNOLOGY
N H 206, Tiptur – 572202



Department of Mechanical Engineering

Invitation for Virtual Valedictory of
One Week AICTE-ISTE Refresher Program



on
“Thermal Engineering”
(Phase - 2)



On

March 17th to 23rd , 2021

Chief Guest: Dr. M Prsanna Kumar
UBDTCE- Davanagere

President : Sri. P.K.THIPPERUDRAPPA,
President, KVS, Tiptur

Patrons:

Vice Presidents, KVS

Sri. S.S. Nataraj
Sri.G.K. Prabhu

Secretaries, KVS

Prof. Rajakumar
Sri.K.P.Rudramuniswamy
Sri.T.U. Jagadeeshmurthy

Treasurer, KVS

Sri. T.S. Shivaprasad

Program Coordinator

Dr. Viswanatha B M, HOD,ME

Convener

Dr. G.D. Gurumurthy, Principal

Faculty coordinators:

Dr. T M Chandrashekhariah, Prof. T S Siddalingaprasad, Prof. Ajay.C.K

All are cordially invited

HOD and Staffs, Department of Mechanical Engineering

Date: **March 23rd , 2021** Time: **2:30 pm**

Venue : KIT Admin block



Appendix-I

KALPATARU INSTITUTE OF TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to VTU, Belagavi) B.H Road, Tiptur – 572 201



Department of Mechanical Engineering

AICTE – ISTE Refresher Program on Thermal Engineering Phase-2, 17th to 23rd March 2021



Schedule of Sessions- Online (Google meet)						
	Session - 1	Session - 2	Session - 3			
Sl. No.	Date	11.00am to 11.30am	11.30 to 1.00pm	1.00pm to 2.30pm	2.30 to 4.00pm	
1.	17.03.2021 Wednesday	Inaugural Function	Dr. Vadiraj Katti Principal, K.L.S's V.D.I.T, Haliyal Topic: Synthetic Jet cooling	BREAK	Dr. Rajesh M System Manager, Propulsion Systems-TAPAS, DRDO, Bangalore Topic: Engine / Airframe Integration Aspects in UAVs	
2.	18.03.2021 Thursday	Dr. Narendranath S NITK, Surathkal. Topic: Heat Transfer of shape memory alloys	Dr. Ishwar V. Basavaraddi Director, Morarji Desai National Institute of Yoga Ministry of Ayush. Govt Of India. Topic: YOGA Health & Meditation			
3.	19.03.2021 Friday	Dr. Poornesh kumar K NITK, Surathkal. Topic: Convective & Hybrid Electric Power Trains	Dr. Prem Kumar S SDM, Ujire. Topic: Solar Dryer	LUNCH	Dr. N R Banapurmath BVBCE, Hubli. Topic: Nano Materials for energy cooling and structural applications.	
4.	20.03.2021 Saturday	Dr. Giridhar babu Principal Scientist, NAL, Bangalore Topic: Gas turbine heat transfer activities	Dr. Bhaskar H B SSIT, Tumkur Topic: I C Engines		Dr. Gowreesh S JSSATE, Bangalore Topic: Advances in CFD	
5.	22.03.2021 Monday	Dr. Gnanashekhar NITK, Surathkal Topic: Fluid flow and heat transfer studies on high porosity metal foam.	Dr. V S Yaliwal SDM, Dharwad Topic: Effect of gaseous fuel in the combustion and emission characteristics in diesel engine operated on dual fuel mode		Dr. Viswanatha B M Prof. & Head, KIT, Tiptur Topic: Gas power cycles	
6.	23.03.2021 Tuesday	Dr. Anish S NITK, Surathkal Topic: Wet compression In gas turbine Engine	Dr. Arun S B SIT, Tumkur Topic: Bio diesel as an alternative fuel.		Valedictory Function and Test	

Faculty Coordinators

Dr. T M Chandrashekhariah

Professor
Dept of Mechanical Engg Ph:

9986618279

Prof. T S Siddalingaprasad

Associate Professor
Dept of Mechanical Engg. Ph:

9844023622

Prof. Ajay C K

Assistant Professor
Dept of Mechanical Engg. Ph:

9986804773

Program Coordinator: Dr.

Viswanatha B M HOD &

Professor
Dept of Mechanical Engg. Ph:

8762018207

Convenor

Dr. G. D. Gurumurthy

Principal,

KIT, Tiptur

Appendix - II

List of participants

Sl.No	Name	Designation	Name Of The Institute Or Organization
1.	Lakshmi V	Professor	Sambrama Institute of Technology Bangalore
2.	Mamata Sarangamath	Assistant Professor	Kalpataru Institute of Technology, Tiptur
3.	Sujit Deshmukh	Professor	Sandip Polytechnic
4.	Rohith Kumar H V	Assistant Professor	Kalpataru Institute of Technology, Tiptur
5.	Mallikarjuna G B	Assistant Professor	Kalpataru Institute of Technology , Tiptur
6.	Sandeep K	Assistant Professor	Kalpataru Institute of Technology, Tiptur
7.	Ajay C K	Assistant Professor	Kalpataru Institute of Technology, Tiptur
8.	Muniraju M	AssociateProfessor	Gec, Chamaranagara
9.	Mahanthesh.G	Assistant Professor	Kalpataru Institute of Technology, Tiptur
10.	Ranganatha Y H	Assistant Professor	Srinivas Institute of Technology
11.	Akansa Srivastava	Assistant Professor	School of Management Sciences
12.	Dr Lokesh	Assistant Professor	RVITM
13.	Sharath N	Assistant Professor	BGSIT
14.	Praveen Math	Assistant Professor	Reva University
15.	Himanshu Minotra	Assistant Professor	Sms Institute of Technology Lucknow
16.	Vijaya Kumara V M	Assistant Professor	Bangalore Institute of Technology
17.	Sriharsha S R	Assistant Professor	C.I.T Gubbi
18.	Nagesh S B	Assistant Professor	Channabasaveshwara Institute of Technology
19.	Patil Gopal Bhaskar	Assistant Professor	KESRIT(Polytechnic),Pune
20.	P Mansoor	Assistant Professor	Sanskriti School of Engineering
21.	Rahul Harishchandra	Assistant Professor	Dr. Vikhe Patil Institute of Technology,Loni
22.	Naveen Kumari M E	Assistant Professor	Kalpataru Institute of Technology
23.	Abinash Behera	Assistant Professor	Majhighariani Institute of Technology
24.	Kiran Gowd M R	Assistant Professor	C. I. T
25.	Jani Dilip Batukray	Associate Professor	Government Engineering College, Dahod
26.	Shreehari Shalidar	Assistant Professor	Acharya Institute of Technology
27.	Rahul Singh	Assistant Professor	S.M.S.I.T. Lucknow
28.	Rajkumar Panchal	Associate Professor	Pg Moze College of Engineering Wagholi
29.	Ms.Renitha P	Assistant Professor	Immanueal Arasar JJ College of Engineering
30.	Umeshkumar Chavan	Assistant Professor	G.S.Mandal's Mit Polytechnic Rotegaon
31.	Varun K R	Assistant Professor	The Oxford College of Engineering
32.	Dr.Satheesha V	Associate Professor	Rajarajeswari College of Engineering
33.	Parashuram A K	Assistant Professor	KSIT Bangalore
34.	L.Mamundi Azaath	Assistant Professor	Mount Zion College of Engineering
35.	Dasari Vijay Kumar	Assistant Professor	Vaageswari College of Engineering
36.	Srikantgouda Patil	Assistant Professor	SKSVMACET
37.	Manohar Yadav C	Assistant Professor	HMSIT, Tumkur
38.	B.D.Wadekar	Assistant Professor	Rajarajeswari College of Engineering
39.	K S Madhu	Assistant Professor	Rajarajeswari College of Engineering
40.	Pankaj Kumar Yadav	Assistant Professor	Sms Lucknow
41.	T S Siddalingaprasad	Associate Professor	Kit Tiptur
42.	Guduri Tirupati Reddy	Assistant Professor	Vaageswari College of Engineering
43.	Assistant Professor	Assistant Professor	B G S I T
44.	Santhosh Kumar T C	Assistant Professor	B G S Institute of Technology
45.	Dr.TM.Chandrashekharaiiah	Professor	Kalpataru Institute of Technology
46.	Shivananda D C	Assistant Professor	PES Institute of Technology And Management

47.	Hanumesh Pujar	Assistant Professor	K L E Institute of Technology Hubli
48.	Praveen Harari	Assistant Professor	Sgmcoe Mahagaon
49.	Sushrut S. Halewadimath	Assistant Professor	K. L. E. Institute of Technology Hubballi
50.	Mahantesh K Marikatti	Assistant Professor	Sdm Cet Dharwad
51.	Vikram CK	Assistant Professor	PES College of Engineering Mandya
52.	Gopinath Suresh	Assistant Professor	SIET
53.	Mahesh G Kocharekar	Assistant Professor	Thakur Polytechnic
54.	Ashok Kumar K	Assistant Professor	Ramaiah Institute of Technology
55.	Dr Girish D P	Professor	Government Engineering College
56.	Sushma S	Assistant Professor	Channabasaveshwara Institute of Technology
57.	Vivek Pandey	Assistant Professor	Mody University Of Science And Technology
58.	Bharath M S	Assistant Professor	PES College of Engineering
59.	Mallikarjuna V Bidari	Assistant Professor	GM Institute of Technology
60.	Sridhar S	Assistant Professor	Akshaya Institute of Technology
61.	Nagunuri Rajkumar	Assistant Professor	Vaageswari College of Engineering
62.	Dr.Lokesh Kumar	Assistant Professor	Aku
63.	Sujana N	Assistant Professor	Pes College of Engineering
64.	Deepak Kumar N Y	Assistant Professor	Kalpataru Institute of Technology
65.	Dr.Shaila U Durgadsimi	Assistant Professor	Basaveshwar Engineering College
66.	Sanjay Koorse	Assistant Professor	Metropolitan Institute of Technology
67.	Dr. V. S. Yaliwal	Assistant Professor	SDM College of Engineering And Technology
68.	Shekasa Nadaf	Assistant Professor	Government Engineering College- Haveri
69.	Eswaraiah Ks	Associate Professor	Kalpataru Institute of Technology
70.	Dr Mahesh T S	Associate Professor	Government Engineering College Hassan
71.	Chinnahajisagari MdAkram	Assistant Professor	S.R.K. Institute of Technology
72.	Aje C P	Assistant Professor	Pesitm
73.	Dr Manjunatha S S	Associate Professor	Govt Engineering College Haveri
74.	Dr.Kanchiraya S	Assistant Professor	Government Engineering College
75.	Dr. Devaraja P B	Associate Professor	Kalpataru Institute of Technology, Tiptur
76.	Harikesha C R	Assistant Professor	Kalpataru Institute of Technology
77.	Sagar HN	Assistant Professor	Sri Krishna Institute of Technology
78.	Manjula S	Assistant Professor	Government Engineering College Hassan
79.	Kumara B M	Assistant Professor	ACS College of Engineering
80.	Jonnala Subba Reddy	Associate Professor	Lakireddy Bali Reddy College of Engineering,
81.	Bharath V	Assistant Professor	SRIET Coimbatore
82.	Balaji.S	Assistant Professor	Reva University
83.	Nankar Amol Suresh	Professor	Snjb's S.H.H.J.B.Polytechnic, Chandwad
84.	Shashank Deo Nigam	Assistant Professor	School of Management Science
85.	Laxmikant B.Diwakar	Professor	S.E.S.Polytechnic
86.	Sandeep K	Assistant Professor	Acharya Institute of Technology
87.	Kamala Priya Bysani	Assistant Professor	Lakireddy Bali Reddy College of Engineering
88.	Sharadkumar	Assistant Professor	Sanskriti School of Engineering College
89.	Dr.Sangmesh	Assistant Professor	BMSITechnology And Management
90.	Lavakumar K S	Assistant Professor	Acharya Institute of Technology
91.	Srinidhi Acharya S R	Assistant Professor	Acs College of Engineering
92.	Abilash Desai	Assistant Professor	SDMCET
93.	Akshay S Bhat	Assistant Professor	Vidyavardhaka College of Engineering

Resource Persons

- Dr. Shrinivas S Balli
Vice Chancellor of Nrupathunga University, Bengaluru.
- Dr. Vadiraj Katti,
Principal, K.L.S's V.D.I.T, Haliyal
- Dr. Rajesh M
System Manager, Propulsion Systems-TAPAS, DRDO, Bangalore
- Dr. C K Umesh
Professor, UVCE, Bangalore
- Dr. Ishwar V. Basavaraddi
Director, Morarji Desai National Institute of Yoga Ministry of Ayush. Govt Of India.
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NITK, Surathkal.
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JSSATE, Bangalore
- Dr. Gnanashekhhar
NITK, Surathkal
- Dr. Viswanatha B M
Prof. & Head, KIT, Tiptur
- Dr. Bhaskar H B
SSIT, Tumkur
- Dr. Anish.S
NITK, Surathkal.
- Dr. Arun SB, SIT, Tumkur

Appendix-III

Chief Patron

Sri P. K. Thipperrudrappa
President KVS

Patrons

Vice President KVS

Sri. S S Natraj
Sri. G K Prabhu

Secretary KVS

Prof. Rajakumar
Sri. K P Rudramunishwamy
Sri. T U Jagadeeshamurthy

Treasurer KVS

Convener

Dr. G D Gurumurthy
Principal, KIT, Tiptur

Program Coordinator

Dr. Viswanatha B M, HOD Mechanical Engg

Faculty Coordinators

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Prof. T S Siddalingaprasad
Prof. Ajay.C.K

Organising Committee

Dr. Kiran T S
Prof. Eswariah K S
Prof. Aradhya S M
Prof. Mallikarjuna G B
Prof. Deepak Kumar N Y
Prof. Mamata Sarangamath
Prof. Rohith kumar H V
Prof. Dileep H B
Prof. Mahanthesh G
Prof. Sandeep K
Prof. Harikesh C R
Prof. Naveen Kumari M E
Prof. Brijesh C
Prof. Anil K

One Week AICTE-ISTE Online
Refresher Program
On

‘Thermal Engineering’ (Phase-2)

17/03/2021 to 23/03/2021

Sponsored by AICTE-ISTE-New Delhi



AICTE



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Organised by
**Department of
Mechanical Engineering**
KIT, Tiptur



Kalpataru Institute of Technology

(Affiliated to VTU, Belgavi and Recognized by AICTE, New Delhi)
B.H.Road, TIPTUR-572 201, Karnataka,
Ph: 08134-251267, Fax No: 08134-251939
www.kittiptur.ac.in

About Organizing Institute

Kalpataru Institute of Technology (KIT) is a part of KVS, the mother institution. KIT was established in 1986 with a view to provide technical education. The college is affiliated to Visvesvaraya Technological University, Belagavi and is recognized by All India Council for Technical Education (AICTE), New Delhi. The 34 year old college has an excellent team of qualified, experienced and dedicated faculty members with the state of the art infrastructure. The college campus is located on the outskirts of the town at a distance of about 2 km. from Railway station and Bus Stand.

About the Department

The Department of Mechanical Engineering was established in the year 1992 with an initial intake of 30 which further was enhanced in two stages to 60 first and then to 120. The department is currently headed by Dr. B M Viswanatha, Professor & HOD. The department is in optimum demand since its inception to till date. The department has well experienced, highly qualified and committed faculty members. The department has three Professors with Ph.D degree. The Department has research center recognized by VTU Belagavi. Many faculties are pursuing Ph.D in R&D Center of the department. The Research and Development department has received Rs. 20 lakhs grant to setup Tribological study research laboratory and Rs. 30 lakhs grant to set up Energy Conversion Engineering research laboratory from VGST Govt. of Karnataka. The department organizes symposiums, workshops and seminars under Mechanical Engineering Association (MEA) every year.

About AICTE

In accordance with the provisions of the AICTE Act (1987), for the first five years after its inception in 1988, the Minister for Human Resource Development, the Government of India, was the Chairman of the Council. The first full-time Chairman was appointed on July 2, 1993 and the Council was reconstituted in March 1994 with a term of three years. The Executive Committee was re-constituted on July 7, 1994 and All India Board of Studies and Advisory Boards were constituted in 1994-95. Regional Offices of the Ministry of Human Resource Development, the Government of India, located in Kolkata, Chennai, Kanpur, and Mumbai were transferred to AICTE and the staff working in these offices were also deputed to the Council on foreign service terms w.e.f. October 1, 1995.

These offices functioned as secretariats of regional Committees in the four regions (North, East, West and South). Three new regional Committees in southwest, central, and northwest regions with their secretariats located in Bangalore, Bhopal, and Chandigarh, respectively, were also established on July 27, 1994. One more regional committee in South-Central region with its Secretariat in Hyderabad was notified on March 8, 2007.

About ISTE

The Indian Society for Technical Education (ISTE) is the leading National Profession non-profit making Society for the Technical Education System in our country with the motto of Career Development of Teachers and Personality Development of Students and overall development of our Technical Education System. Being the only national organisation of educators in the field of Engineering and Technology, ISTE effectively contributes in various missions of the Union Government. The strength of ISTE is the strong base it has in technical education institutions in the country. At present, the ISTE has a very large and an effective membership base consisting of 124024 Life Members, 5 lakh Student members, 2734 Institutional Members, 1369 Faculty Chapters, 1479 Student Chapters at institutional level and 17 Sections at State level.

Objectives of FDP

- ❖ To provide a platform for interaction with experts of different knowledge domains
- ❖ Faculty development programs (FDPs) have proven to be successful for improving teaching skills in higher education.
- ❖ To update the faculty members, research scholars and industry professionals about the current ongoing research in the field of Thermal Engineering and related areas.
- ❖ This FDP also helps to develop innovative thoughts, knowledge on interactions of industry and institute.
- ❖ To impart knowledge on fundamental & advanced concepts of Thermal Engineering

Advisory Committee

Prof. Anil D. Sahasrabudhe, Chairman, AICTE, New Delhi
Dr. Karisiddappa, Vice Chancellor, VTU, Belagavi
Col. B Venkat, Director, Faculty Development cell, AICTE, New-Delhi

Prof. Vijay D. Vaidya, Executive Secretary, ISTE, New Delhi
Dr. Shrinivas S Balli, Vice Chancellor of Nrupathunga University, Bengaluru.

Dr. A S Deshpande, Registrar, VTU, Belagavi
Dr. B E Rangaswamy, Registrar (Evaluation), VTU, Belagavi
Dr. S Basavarajappa, Registrar, IIT Dharwad
Dr. S M Shashidhara, Former Principal, KIT, Tiptur
Dr. Rangaswamy T, Principal, GEC, Mosalehosahalli
Dr. Venkateswarulu, Principal Scientist, NAL, Bangalore
Dr. V V Katti Principal, K.L.S's V.D.I.T, Haliyal
Dr. Irfan G Principal HMSIT, Tumkuru
Dr. P M Suresh ACS College of Engineering, Bangalore
Dr. Girish AMCE College, Bangalore
Dr. M Prasanna Kumar, UBDTCE-Davanagere
Dr. Shashikantha Karinka, NMAMIT, Nitte
Dr. Mahadevaswamy P, SCE, Bangalore
Dr. D P Girish, GEC, Ramanagar
Dr. Mrunthunjaya M, JSSATE, Bangalore
Dr. B P Shikvakumar, JSSATE, Bangalore
Dr. Kanchiraya S, GEC, Hassan
Dr. Mahesh T S, GEC, Hassan
Dr. H S Shivashankar, SIT, Tumkur

Registration

No registration fees (Maximum participants allowed: 100, on first come first serve basis). Preference will be given to ISTE life members. E-certificates will be given to the participants those who are satisfying the requirement of 80% or more attendance and 60% or more marks in quiz which will be conducted during/end of the FDP.

Eligibility

Faculty members and research scholars belonging to AICTE approved Institutions.

Important Dates

Last date for Registration : **14-03-2021**
Confirmation of Seats : **15-03-2021**

Registration Link:

<https://forms.gle/UwFsvn4VbhJCJr08>



Photo Gallery



Inauguration of One Week AICTE- ISTE Refresher Program on Thermal Engineering (Phase-2) on 17/03/2021



Inauguration with office bearers



Valedictory function on 23/03/2021



Valedictory function with office bearers and Department of Mechanical Engineering staffs

ಮಕ್ಕಳ ಭವಿಷ್ಯ ರೂಪಿಸುವ ಕಲ್ಪತರು ವಿದ್ಯಾಸಂಸ್ಥೆ

ತಿಪಟೂರು: ನಗರದ ಪ್ರದೇಶ ಅಷ್ಟೇ ಅಲ್ಲದೇ ಗ್ರಾಮೀಣ ಪ್ರದೇಶದ ಮಕ್ಕಳ ಭವಿಷ್ಯ ರೂಪಿಸುವ ಕಲ್ಪತರು ವಿದ್ಯಾಸಂಸ್ಥೆ ಅತ್ಯುತ್ತಮ ವಿದ್ಯಾಸಂಸ್ಥೆಯಾಗಿದೆ ಎಂದು ಪ್ರೊ. ಪ್ರತಾಪ್ ಸಿನ್ಹ ಕೆಕೆಸೋದೇಸಾಹಿ ಬಣ್ಣಿಸಿದರು.

ಕಲ್ಪತರು ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯದಲ್ಲಿ ಮೆಕಾನಿಕಲ್ ವಿಭಾಗದಲ್ಲಿ ಮಾ.23 ರವರೆಗೆ ನಡೆಯಲಿರುವ ಎರಡನೇ ಹಂತದ ರಿಪೇರಿಂಗ್ ಕಾರ್ಯಕ್ರಮವನ್ನು ಉದ್ಘಾಟಿಸಿ ಮಾತನಾಡಿದರು.

ಸ್ವಪ್ನತಂತ್ರ ಮಹಾವಿದ್ಯಾಲಯದ ಉಪಕುಲಪತಿ ಡಾ.ಪ್ರೀನಿವಾಸ್ ಎಸ್ ಬಳ್ಳಿ ಮಾತನಾಡಿ, ಉನ್ನತ ಮಟ್ಟದಲ್ಲಿ ನಡೆಯಲಿರುವ ಕಾರ್ಯಕ್ರಮಗಳು ಇಂತಹ ಸಂಸ್ಥೆಯಲ್ಲಿ



ನಡೆಯುತ್ತಿರುವುದು ಉತ್ತಮ ಬೆಳವಣಿಗೆಯಾಗಿದೆ. ಗ್ರಾಮೀಣ ಪ್ರದೇಶದ ಮಕ್ಕಳು ತಮ್ಮ ಉಜ್ವಲ ಭವಿಷ್ಯವನ್ನು ರೂಪಿಸಿಕೊಂಡು ಸಮಾಜದ ಗಣ್ಯ ವ್ಯಕ್ತಿಗಳಾಗಿ ಬೆಳೆಯಲಿ ಎಂದು ಆಶಿಸಿದರು.

ಪ್ರೊ. ರಾಜಕುಮಾರ್ ಮಾತನಾಡಿ, ಮೆಕಾನಿಕಲ್ ವಿಭಾಗದ ಹವಾನಿಯಂತ್ರಿತ ತಂತ್ರಜ್ಞಾನ ವಿದ್ಯುತ್ ಉತ್ಪಾದನಾ ಕಾರ್ಯಗಾರ ಲೆಫ್ಟಿನೆಂಟ್ ಉತ್ತಾದನಿಗೆ ಸಹಕಾರಿಯಾಗಲಿದೆ

ಎಂದು ಹೇಳಿದರು.

ಸಂಸ್ಥೆಯ ಖಜಾಂಚಿ ಟಿ.ಎಸ್. ಶಿವಪ್ರಸಾದ್ ಮಾತನಾಡಿ, ವಿದ್ಯಾರ್ಥಿಗಳು ಕಾಲೇಜಿಗೆ ಹಾಗೂ ತಂದೆ-ತಾಯಿಯರಿಗೆ ಕೀರ್ತಿ ತರುವಂತೆ ಸಲಹೆ ನೀಡಿದರು.

ಕಲ್ಪತರು ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯದ ಪ್ರಾಂಶುಪಾಲ ಡಾ.ಜಿ.ಡಿ.ಗುರುಮೂರ್ತಿ ಮಾತನಾಡಿ, ಅನುದಾನದಡಿಯಲ್ಲಿ ಈ ಕಾರ್ಯಕ್ರಮ ನಡೆಸುತ್ತಿರುವುದು ಹಾಗೂ ತಿಪಟೂರಿನ ನವ್ಯ ಸಂಸ್ಥೆ ನವದೆಹಲಿಯಲ್ಲಿ ಹೆಸರುವಾಸಿಯಾಗಿರುವ ಸಂಸ್ಥೆಯ ಬಗ್ಗೆ ಹೆಮ್ಮೆಯನಿಸುತ್ತದೆ ಎಂದು ಹೇಳಿದರು.

ಕಾರ್ಯಕ್ರಮದ ಅಧ್ಯಕ್ಷತೆಯನ್ನು ಸಂಸ್ಥೆಯ ಅಧ್ಯಕ್ಷ ಪಿ.ಕೆ. ತಿಪ್ಪೇರಂದ್ರಪ್ಪ ವಹಿಸಿ, ಮಾತನಾಡಿದರು. ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ ಬಿ.ಎಂ. ವಿಶ್ವನಾಥ್, ಸಿದ್ದಲಿಂಗ ಪ್ರಸಾದ್, ಅಜಯ್ ಸಿ.ಕೆ., ಡಾ.ಟಿ.ಎಸ್. ಕಿರಣ್, ಡಾ.ಸಿ.ಎಂ. ಚಂದ್ರಶೇಖರಯ್ಯ, ಎಂಬಿಎ ಮುಖ್ಯಸ್ಥ ದೀಪ್ತಿ ಅಮಿತ್ ಚರಂತಿಮಠ ಉಪಸ್ಥಿತರಿದ್ದರು.

ತುಮಕೂರು ವಾರ್ತೆ

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ಕಲ್ಪತರು ಸಂಸ್ಥೆಯಿಂದ ಗ್ರಾಮೀಣ ಮಕ್ಕಳ ಶಿಕ್ಷಣಕ್ಕೆ ಆದ್ಯತೆ

ತಿಪಟೂರು: ಕಲ್ಪತರು ಕಾಡು ತಿಪಟೂರಿನ ಕಲ್ಪತರು ವಿದ್ಯಾ ಸಂಸ್ಥೆ ಗ್ರಾಮೀಣ ಪ್ರದೇಶದ ಮಕ್ಕಳು ಹಾಗೂ ನಗರದ ಸುತ್ತಮುತ್ತಲ ಮಕ್ಕಳ ಭವಿಷ್ಯ ರೂಪಿಸುವ ನಿಟ್ಟಿನಲ್ಲಿ ಕಾರ್ಯ ನಿರ್ವಹಿಸುತ್ತಿದ್ದ, ರಾಜ್ಯದ ಅತ್ಯುತ್ತಮ ವಿದ್ಯಾಸಂಸ್ಥೆಗಳಲ್ಲಿ ಮುಂಚೂಣಿಯಲ್ಲಿದೆ ಎಂದು ಪ್ರೊ. ಪ್ರತಾಪ್ ಸಿನ್ಹ ತಿಳಿಸಿದರು.

ನಗರದ ಕಲ್ಪತರು ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯದಲ್ಲಿ ಮೆಕಾನಿಕಲ್ ವಿಭಾಗದಿಂದ ಹಮ್ಮಿಕೊಂಡಿದ್ದ ರಿಪೇರಿಂಗ್ ಕಾರ್ಯಕ್ರಮ ಉದ್ಘಾಟಿಸಿ ಮಾತನಾಡಿ, ಶಿಕ್ಷಣ ಸಂಸ್ಥೆ ಉತ್ತಮವಾಗಿದ್ದರೆ ಅಲ್ಲಿ ವಿದ್ಯಾರ್ಥಿಗಳ ಭವಿಷ್ಯವೂ ಉತ್ತಮವಾಗಿ ರೂಪುಗೊಳ್ಳುವುದರಲ್ಲಿ ಅನುಮಾನ ಇಲ್ಲ ಎಂದು.

ಸ್ವಪ್ನತಂತ್ರ ಮಹಾವಿದ್ಯಾಲಯದ ಉಪ ಕುಲಪತಿ ಡಾ.ಪ್ರೀನಿವಾಸ್ ಎಸ್ ಬಳ್ಳಿ



ಮಾತನಾಡಿ, ಉನ್ನತ ಮಟ್ಟದಲ್ಲಿ ನಡೆಯಲಿರುವ ಕಾರ್ಯಕ್ರಮಗಳು ಇಂತಹ ಸಂಸ್ಥೆಯಲ್ಲಿ ಗ್ರಾಮೀಣ ಪ್ರದೇಶದ ಮಕ್ಕಳು ತಮ್ಮ ಉಜ್ವಲ

ಭವಿಷ್ಯ ರೂಪಿಸಿಕೊಂಡು ಸಮಾಜದ ಗಣ್ಯ ವ್ಯಕ್ತಿಗಳು ಬೆಳೆಯಲಿ ಎಂದು ಹೇಳಿದರು.

ಕಲ್ಪತರು ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯದ ಪ್ರಾಂಶುಪಾಲ ಡಾ.ಜಿ.ಡಿ.ಗುರುಮೂರ್ತಿ ಮಾತನಾಡಿ, ಅನುದಾನದಡಿಯಲ್ಲಿ ಈ ಕಾರ್ಯಕ್ರಮ ನಡೆಸುತ್ತಿರುವುದು ಹಾಗೂ ತಿಪಟೂರಿನ ನವ್ಯ ಸಂಸ್ಥೆ ನವದೆಹಲಿಯಲ್ಲಿ ಹೆಸರುವಾಸಿಯಾಗಿರುವ ಸಂಸ್ಥೆಯ ಬಗ್ಗೆ ಹೆಮ್ಮೆಯನಿಸುತ್ತದೆ, ಸಂಸ್ಥೆಗೆ ನಮ್ಮ ಸಂಸ್ಥೆಯ ಪರವಾಗಿ ಅಭಿನಂದನೆಗಳು ಎಂದು ಹೇಳಿದರು.

ಸಂಸ್ಥೆಯ ಅಧ್ಯಕ್ಷ ಪಿ.ಕೆ.ತಿಪ್ಪೇರಂದ್ರಪ್ಪ, ಪ್ರೊ.ರಾಜಕುಮಾರ್, ಖಜಾಂಚಿ ಟಿ.ಎಸ್.ಶಿವ ಪ್ರಸಾದ್, ಸಿದ್ದಲಿಂಗ ಪ್ರಸಾದ್, ಡಾ.ಟಿ.ಎಸ್.ಕಿರಣ್, ಡಾ.ಸಿ.ಎಂ.ಚಂದ್ರಶೇಖರಯ್ಯ, ಎಂಬಿಎ ಮುಖ್ಯಸ್ಥ ದೀಪ್ತಿ ಅಮಿತ್ ಚರಂತಿಮಠ ಇತರರು ಇದ್ದರು.

ಬೋಧನಮಟ್ಟ ಸುಧಾರಣಾ ಕಾರ್ಯಾಗಾರ

ಪ್ರಜಾವಾಣಿ ವಾರ್ತೆ

ತಿಪಟೂರು: ಉಪನ್ಯಾಸಕರ ಉತ್ತಮ ಬೋಧನೆಗೆ ಹಾಗೂ ಶೈಕ್ಷಣಿಕ ಮಟ್ಟದ ಸುಧಾರಣೆಗೆ ರಿಫ್ರೆಶರ್ ಕಾರ್ಯಾಗಾರದ ಅನುಕೂಲಕರ ಎಂದು ಕಲ್ವತರು ವಿದ್ಯಾಸಂಸ್ಥೆಯ ಅಧ್ಯಕ್ಷ ಪಿ.ಕೆ. ತಿಪ್ಪೇರುದ್ರಪ್ಪ ತಿಳಿಸಿದರು.

ನಗರದ ಕಲ್ವತರು ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯದ ಮೆಕಾನಿಕಲ್ ವಿಭಾಗದಿಂದ ನಡೆಯುತ್ತಿದೆ. ವಿವಿಧ ರಾಜ್ಯಗಳ ಉಪನ್ಯಾಸಕರು ಸದುಪಯೋಗ ಪಡಿಸಿಕೊಂಡು ದೇಶದ ಸಂಪನ್ಮೂಲ ವ್ಯಕ್ತಿಗಳಾಗಿ, ಭವಿಷ್ಯ ರೂಪಿಸಿಕೊಳ್ಳಲು ಸಹಕಾರಿ ಎಂದರು.

ವಿವರಣೆ
ಅಧ್ಯಕ್ಷ ಶ್ರೀ ಪ್ರತಾಪ್ ಸಿನ್ಹ ಉಪನ್ಯಾಸಕರು ಹೆಚ್ಚಿನ ಪ್ರಶ್ನಾಚಾರ್ಜನ ಪಡೆದು ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಉತ್ತಮ ಮಾರ್ಗದರ್ಶನ ನೀಡಲು ಇದು ಸಹಕಾರಿ ಎಂದರು.

ಖಜಾಂಚಿ ಟಿ.ಎಸ್. ಶಿವಪ್ರಸಾದ್ ಅವರು ಮಾತನಾಡಿ, ದೇಶದ ಪ್ರಗತಿಗೆ ಮತ್ತು ವಿದ್ಯಾರ್ಥಿಗಳ



ಕಾರ್ಯಾಗಾರದಲ್ಲಿ ಭಾಗವಹಿಸಿದ್ದ ಪ್ರಮುಖರು

ಹಿತಕಾರಿಯವ ಸಲುವಾಗಿ ಗ್ರಾಮೀಣ ಭಾಗದ ಕಲ್ವತರು ವಿದ್ಯಾಸಂಸ್ಥೆಯು ಸುಮಾರು 59 ವರ್ಷಗಳಿಂದಲೂ ಸಾರ್ವಜನಿಕ ಸೇವೆಯನ್ನು ಸಲ್ಲಿಸುತ್ತ ಬರುತ್ತಿರುವುದು ತುಂಬಾ ಗಮನಾರ್ಹ ಎಂದರು.

ಬೆಂಗಳೂರು ಸ್ವಪ್ರಸಂಗ ವಿವಿ ಉಪ ಕುಲಪತಿ ಡಾ. ಶ್ರೀನಿವಾಸ್ ಎಸ್ ಬಳ್ಳಿ, ಕೆವಿಎಸ್ ಕಾರ್ಯದರ್ಶಿ ಪ್ರೊ. ರಾಜಕುಮಾರ್, ಪ್ರಾಂಶುಪಾಲ ಡಾ.ಬಿ.ಡಿ. ಗುರುಮೂರ್ತಿ, ಪ್ರೊ. ಟಿ.ಎಸ್. ಸಿದ್ದಲಿಂಗಪ್ರಸಾದ್, ಸಿ.ಕೆ. ಭಾಗವತರಾದರು.

ಅಮರ್, ಉದ್ಯೋಗಾಧಿಕಾರಿ ಡಾ. ಟಿ.ಎಸ್. ಕಿರಣ್, ಡಾ.ಟಿ. ಚಂದ್ರಶೇಖರಯ್ಯ, ಎಂ.ವಿ. ಮುಖ್ಯಸ್ಥ ದೀಪ್ತಿ ಅಮರ್, ಗಣಿತ ವಿಭಾಗದ ಮುಖ್ಯಸ್ಥ ಚರಂತಿಮಾಲ್ ಭಾಗವತರಾದರು.

ಉತ್ತಮ ಬೋಧನೆಗೆ ರಿಫ್ರೆಶರ್ ಕಾರ್ಯಾಗಾರ ರಿಫ್ರೆಶರ್ ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ ಪಿ.ಕೆ.ತಿಪ್ಪೇರುದ್ರಪ್ಪ ಅಭಿಮತ

ತಿಪಟೂರು: ಉಪನ್ಯಾಸಕರ ಉತ್ತಮ ಬೋಧನೆಗೆ ಹಾಗೂ ಶೈಕ್ಷಣಿಕ ಮಟ್ಟದ ಸುಧಾರಣೆಗೆ ರಿಫ್ರೆಶರ್ ಕಾರ್ಯಾಗಾರದ ಅನುಕೂಲಕರ ಎಂದು ಕಲ್ವತರು ವಿದ್ಯಾಸಂಸ್ಥೆಯ ಅಧ್ಯಕ್ಷ ಪಿ.ಕೆ. ತಿಪ್ಪೇರುದ್ರಪ್ಪ ಹೇಳಿದರು.

ನಗರದ ಕಲ್ವತರು ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯದ ಮೆಕಾನಿಕಲ್ ವಿಭಾಗದಿಂದ ಎಐಸಿಟಿಎ ಮತ್ತು ಐಎಸ್‌ಟಿಇ ನವದೆಹಲಿಯ ಅನುದಾನದೊಂದಿಗೆ ನಡೆಸುತ್ತಿರುವ 2ನೇ ಹಂತದ ರಿಫ್ರೆಶರ್ ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ ಮಾತನಾಡಿದರು.

ಈ ಕಾರ್ಯಕ್ರಮದಿಂದ ಕಲ್ವತರು ವಿದ್ಯಾಸಂಸ್ಥೆಯ ಘನತೆ ಎತ್ತಿಹಿಡಿದಂತಾಗಿತ್ತು. ದೇಶದ ವಿವಿಧ ರಾಜ್ಯಗಳ ಉಪನ್ಯಾಸಕರು ಸದುಪಯೋಗ ಪಡಿಸಿಕೊಂಡು ದೇಶದ ಸಂಪನ್ಮೂಲ ವ್ಯಕ್ತಿಗಳಾಗಿ ಮತ್ತು ಆದರ್ಶ ವಿದ್ಯಾರ್ಥಿಗಳಾಗಿ ಉಜ್ವಲ ಭವಿಷ್ಯತನ್ನು ರೂಪಿಸಿಕೊಳ್ಳಲು



ಎರಡನೇ ಹಂತದ ರಿಫ್ರೆಶರ್ ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ ಕೆವಿಎಸ್ ಕಾರ್ಯದರ್ಶಿ ಪ್ರೊ. ರಾಜಕುಮಾರ್ ಇತರರು ಭಾಗವಹಿಸಿದ್ದರು.

ಸಹಕಾರಿಯಾಗಿದೆ ಎಂದರು.

ನವದೆಹಲಿಯ ಐಎಸ್‌ಟಿಇ ಅಧ್ಯಕ್ಷ ಪ್ರೊ. ಪ್ರತಾಪ್ ಸಿನ್ಹ ಕೆಕೆಸೋ ದೇಸಾಯಿ ಆನ್‌ಲೈನ್ ಮೂಲಕ ಮಾತನಾಡಿ, ಇಂಥ ದೊಡ್ಡ ಕಾರ್ಯಕ್ರಮಗಳಿಗೆ ಹಿಂದಿನಿಂದಲೂ ನಮ್ಮ ಸಂಸ್ಥೆ ಅನುದಾನ ಗಳನ್ನು ಕಾಲೇಜುಗಳಿಗೆ ನೀಡುತ್ತಾ ಬರುತ್ತಿದೆ. ಇದರಿಂದ ಉಪನ್ಯಾಸಕರು ಹೆಚ್ಚಿನ ಜ್ಞಾನಾರ್ಜನೆಯನ್ನು ಪಡೆದು ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಉನ್ನತ ಮ್ಯಾಸಂಗ ಪಡೆಯಲು ಹಾಗೂ ವಿದ್ಯಾರ್ಥಿಗಳು ಅವರ ಸ್ವಶಕ್ತಿಯಿಂದ ಉಜ್ವಲ ಭವಿಷ್ಯ

ತನನ್ನು ರೂಪಿಸಿಕೊಳ್ಳಬಹುದು. ಈ ಬಾರಿ ಗ್ರಾಮೀಣ ಭಾಗದ ಕಲ್ವತರು ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯದ ಆರ್ಪಕ ಪಡೆದು ರುವುದು ಹೆಮ್ಮೆಯ ವಿಷಯವಾಗಿದೆ ಎಂದು ಸಂತಸ ವ್ಯಕ್ತಪಡಿಸಿದರು.

ಬೆಂಗಳೂರು ಸ್ವಪ್ರಸಂಗ ವಿವಿಯ ಉಪ ಕುಲಪತಿ ಡಾ. ಶ್ರೀನಿವಾಸ್ ಎಸ್ ಬಳ್ಳಿ, ವಿಜಯಲಿಪಿ, ಎಸ್. ಶಿವಪ್ರಸಾದ್, ಕೆವಿಎಸ್ ಕಾರ್ಯದರ್ಶಿ ಪ್ರೊ. ರಾಜಕುಮಾರ್, ಮೆಕಾನಿಕಲ್ ವಿಭಾಗದಿಂದ ಮುಖ್ಯಸ್ಥ ಕಾರ್ಯಕ್ರಮದ ಸಂಯೋಜಕ ಡಾ.ಬಿ.ಎಂ.ವಿಶ್ವನಾಥ್ ಇತರರು ಇದ್ದರು.

ಥರ್ಮಲ್ ಇಂಜಿನಿಯರಿಂಗ್ ಪುನಶ್ಚೇತನ ಕಾರ್ಯಾಗಾರ ಮುಕ್ತಾಯ

ತಿಪಟೂರು: ನಗರದ ಕಲ್ವತರು ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯದ ಮೆಕಾನಿಕಲ್ ವಿಭಾಗದಿಂದ ಹಮ್ಮಿಕೊಂಡಿದ್ದ ಮೂರು ವಾರಗಳ ಥರ್ಮಲ್ ಇಂಜಿನಿಯರಿಂಗ್ ವರ್ಕ್‌ಶಾಪ್ ಪುನಶ್ಚೇತನ(ರಿಫ್ರೆಶರ್) ಕಾರ್ಯಾಗಾರದ ಎರಡನೇ ಹಂತದ

» ಕಲ್ವತರು ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯದಲ್ಲಿ ಆಯೋಜನೆ

ಮುಕ್ತಾಯ ಸಮಾರಂಭವು

ಮಾ.17 ರಿಂದ ಮಾ.23ರವರೆಗೆ

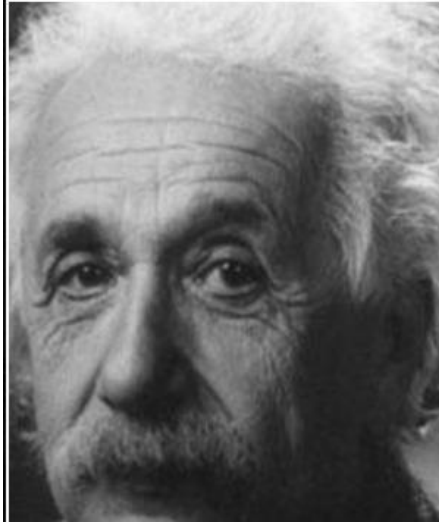
ಸುಗಮವಾಗಿ ನಡೆಯಿತು. ಈ

ಕಾರ್ಯಕ್ರಮಕ್ಕೆ ದೇಶದ ವಿವಿಧ

ರಾಜ್ಯಗಳ ಪ್ರತಿಷ್ಠಿತ ಕಾಲೇಜುಗಳ

ನೂರಕ್ಕೂ ಹೆಚ್ಚು ಉಪನ್ಯಾಸಕರು ಭಾಗವಹಿಸಿದ್ದರು. ಈ ಕಾರ್ಯಕ್ರಮಕ್ಕೆ ನವದೆಹಲಿಯ ಎಐಸಿಟಿಇ-ಐಎಸ್‌ಟಿಇ ಅನುದಾನ ಬಂದಿದೆ. ದಾವಣಗೆರೆ ಯುಬಿಡಿಟಿಟಿಇ ಡಾ.ಎಂ.ಪ್ರಸನ್ನಕುಮಾರ್ ಮಾತನಾಡಿ, ಕಾರ್ಯಾಗಾರವು ಯುವ ಉಪನ್ಯಾಸಕರು ಮತ್ತು ಸಂಶೋಧನೆ ಮಾಡುತ್ತಿರುವ ಉಪನ್ಯಾಸಕರಿಗೆ ಉಪಯೋಗವಾಗುತ್ತಿದೆ ಎಂದರು. ಕಲ್ವತರು ವಿದ್ಯಾ ಸಂಸ್ಥೆಯ ಖಜಾಂಚಿ ಶ್ರೀ ಟಿ.ಎಸ್.ಶಿವಪ್ರಸಾದ್ ಮಾತನಾಡಿ, ಥರ್ಮಲ್ ಇಂಜಿನಿಯರಿಂಗ್ ವಿಭಾಗವು ಮೆಕಾನಿಕಲ್‌ನ ಒಂದು ಭಾಗವಾಗಿದ್ದು, ಈ ವಿಷಯವು ರೆಫ್ರಿಜರೇಟರ್, ವಿದ್ಯುತ್‌ಉತ್ಪಾದನೆ, ಹವಾನಿಯಂತ್ರಿತ ತಂತ್ರಜ್ಞಾನದಲ್ಲಿ ಬಹಳ ಉಪಯೋಗವಾಗುತ್ತಿದೆ ಎಂದರು. ಕಲ್ವತರು ವಿದ್ಯಾಸಂಸ್ಥೆ ಕಾರ್ಯದರ್ಶಿ ಟಿ.ಯು.ಜಗದೀಶಮೂರ್ತಿ ಮಾತನಾಡಿ, ಮೆಕಾನಿಕಲ್ ವಿಭಾಗವು ಈ ರೀತಿಯ ಕಾರ್ಯಕ್ರಮ ಆಯೋಜಿಸಿ ಕಾಲೇಜಿನ ಘನತೆಯನ್ನು ಎತ್ತಿಹಿಡಿದಿದ್ದಾರೆ. ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಉಜ್ವಲ ಭವಿಷ್ಯತ್ ರೂಪಿಸಿಕೊಳ್ಳಲು ಇಂಥ ಕಾರ್ಯಕ್ರಮಗಳ ಸದುಪಯೋಗ ಪಡೆಯಬೇಕು ಎಂದರು. ಕಾರ್ಯಕ್ರಮದ ಸಂಯೋಜಕ ಡಾ.ಬಿ.ಎಮ್. ವಿಶ್ವನಾಥ್ ಸ್ವಾಗತ ಭಾಷಣ ಮಾಡಿದರು. ಕಲ್ವತರು ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯ ಪ್ರಾಂಶುಪಾಲರಾದ ಡಾ.ಜಿ.ಡಿ.ಗುರುಮೂರ್ತಿ, ಪ್ರೊ.ಟಿ.ಎಸ್.ಸಿದ್ದಲಿಂಗಪ್ರಸಾದ್, ಪ್ರೊ.ಕೆ.ಎಸ್. ಈಶ್ವರಯ್ಯ, ಸಂಸ್ಥೆ ಉದ್ಯೋಗಾಧಿಕಾರಿ ಡಾ.ಟಿ.ಎಸ್.ಕಿರಣ್, ಡಾ.ಟಿ.ಎಮ್. ಚಂದ್ರಶೇಖರಯ್ಯ, ಗಣಿತ ವಿಭಾಗದ ಮುಖ್ಯಸ್ಥ ಚರಂತಿಮಾಲ್, ಗ್ರಂಥಾಲಯ ವಿಭಾಗದ ಮುಖ್ಯಸ್ಥ ಟಿ.ಎಸ್.ಮಂಜುನಾಥ್ ಇದ್ದರು.

Newspaper clippings about the program on 'Thermal Engineering'



Scientists investigate that which
already is; Engineers create that
which has never been.

— *Albert Einstein* —

Thank you

One Week AICTE-ISTE Online Refresher Program on

‘Thermal Engineering’ (Phase-3)

22/04/2021 to 28/04/2021

Sponsored by AICTE-ISTE, New Delhi

Proceedings of Phase-3



ESTD: 1986



Organized by

Department of Mechanical Engineering

Kalpataru Institute of Technology

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Refresher Program on
‘Thermal Engineering’ (Phase-3)
22/04/2021 to 28/04/2021
Organized by



Department of Mechanical Engineering
Kalpataru Institute of Technology
Tiptur, Karnataka-572 201

Program Coordinator

Dr. Viswanatha B M
Professor & HOD
Department of Mechanical Engg

Convenor

Dr. G D Gurumurthy
Principal
KIT, Tiptur

Acknowledgement

We express our sincere gratitude to **Sri P K Thipperudrappa**, President, KVS, Tiptur, all office bearers and **Dr. Gurumurthy**, Principal, KIT, Tiptur for their constant support and encouragement in conducting One Week AICTE-ISTE Refresher Program on **‘Thermal Engineering’ (Phase-3)** from 22/04/2021 to 28/04/2021.

We express our heartfelt thanks to AICTE, ISTE New Delhi and VTU Belagavi for infusing life into this One Week AICTE-ISTE Refresher Program on **‘Thermal Engineering’ (Phase-3)**.

We feel exhilarated to express our sincere thanks to the advisory committee, faculties, and the staff of KIT for their invaluable support and whole hearted cooperation right from the conceptual stage to the successful execution of this programme.

We appreciate involvement of participants and thank them for sparing their valuable time for this online session. We are sure that by participating in the session they will gain useful knowledge and innovative ideas related to thermal engineering.

We thank all others who have extended their help directly or indirectly to the success of this One Week AICTE-ISTE Refresher Program on **‘Thermal Engineering’ (Phase-3)**.

Program Coordinator

Dr. Viswanatha B M
Professor & HOD
Department of Mechanical Engg

Convenor

Dr. G D Gurumurthy
Principal
KIT, Tiptur



Sri P K Thipperudrappa

President, KVS

It is pleasure that the Department of Mechanical Engineering successfully conducted One Week AICTE-ISTE Refresher Program on Thermal Engineering Phase -1&2. It provided a great platform for researchers working in thermal related areas of Mechanical Engineering. I am sure that **Phase-3** will also promote the faculties and researchers for gaining their knowledge on recent advancements in **Thermal Engineering** and bring enhancement to their career.

I wish this One Week AICTE-ISTE Refresher Program on **Thermal Engineering (Phase-3)** a great success.



Sri. T S Shivaprasad

Treasurer, KVS

I heartily congratulate all the organizing committee members for successful completion of AICTE-ISTE Refresher Program on Thermal Engineering (Phase-1&2).

My best wishes to all the coordinators and participants for this AICTE-ISTE Refresher Program on **Thermal Engineering (Phase-3)**. I congratulate department of Mechanical Engineering for organizing this program and wish a grand success. Following the success story of **Phase 1&2**.

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Sri. B S Umesh
Vice president, KVS

I am glad that, **AICTE-ISTE** Refresher Program attracts researchers and faculties from various Institutions, across the country to discuss the past drawbacks, present trends and future advancements related to **Thermal Engineering**.

I heartily congratulate all the organizing committee members for successful completion of AICTE-ISTE Refresher Program on Thermal Engineering (Phase-1&2) and wish you all the best for Phase-3.



Sri. G S Umashankar
Secretary, KVS

I am very delighted to note that Departments of Mechanical Engineering is conducting **AICTE-ISTE** Refresher Program. This program is a result of continues efforts by the members of organizing committee and I extend warm greeting to them.

I whole heartedly praise the staff of Department of Mechanical Engineering for the continues efforts and support and co-operation for grand success of the event.

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Dr. G D Gurumurthy
Principal
Kalpataru Institute of Technology
Tiptur

I am happy to note that the department of Mechanical Engineering completed One Week AICTE-ISTE Refresher Program on **Thermal Engineering (Phase-1&2)** with great pleasure. The resource persons invited were from prestigious institutions and organizations with a vast knowledge related to Thermal Engineering topics. Participants from all over India were benefitted by attending this program.

I congratulate Department of Mechanical Engineering for organizing this program and building the bridge between Professors serving in various Institutions.



Dr. Viswanatha B M
Professor & Head
Dept. of Mechanical Engg.
KIT, Tiptur

As Department of Mechanical Engineering organized one week online **Refresher Program On Thermal Engineering (Phase-1&2)** sponsored by AICTE-ISTE, New Delhi. Several participants received certificates by completing the program successfully, followed by objective test. With the positive response and feedback from the participants, we hereby are preceding for **PHASE-3**. I hope this program shares out the knowledge to every participants and to make effective use of it. I am very much thankful to Authorities of AICTE-ISTE and resource persons, participants, office bearers of Kalpataru Vidya Samsthe and principal of esteemed organization and end this program on a happy success note.

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Dr.T S Kiran

Professor

Dept. of Mechanical Engg.

KIT, Tiptur

I am happy that the Department of Mechanical Engineering KIT, Tiptur conducted AICTE-ISTE Refresher Program on **Thermal Engineering (Phase-1&2)** and was successful. I am sure that all the participants of Mechanical Engineering Department boosted their knowledge in thermal related fields and are benefitted to maximum.

As a faculty coordinator it is a great pleasure to organize **(Phase-3)** program sponsored by AICTE-ISTE New Delhi. I am seeking the same co-ordination and support from all the resource persons, participants and faculty members of Department of Mechanical Engineering. My best wishes to all the participants.

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Department of Mechanical Engineering



Invitation for Virtual Inauguration of
One Week AICTE-ISTE Refresher Program

on

“Thermal Engineering”
(Phase - 3)

On

April 22nd to 28th, 2021



Chief Guest

: Col. B. Venkat

Director, Faculty Development Cell, AICTE-New Delhi

President

: Sri. P.K.THIPPERUDRAPPA,

President, KVS, Tiptur

Patrons:

Vice Presidents, KVS

Sri. T S Basavaraju
Sri. Bagepalli Nataraj
Sri. G P Deepak
Sri B S Umesh

Secretaries, KVS

Sri M R Sangamesh
Sri Sudhakar H G
Sri G S Umashankar
Sri. T U Jagadeeshamurthy

Treasurer, KVS

Sri. T.S. Shivaprasad

Program Coordinator

Dr. Viswanatha B M, HOD,ME

Convener

Dr. G.D. Gurumurthy, Principal

Faculty coordinators:

Dr. Kiran T S, Prof. Rohith Kumar H V, Prof. Mahanthesh G

All are cordially invited

HOD and Staffs, Department of Mechanical Engineering

Date: April 22nd, 2021

Time: 10 AM

Venue: KIT Admin block

About Organizing Institute

Kalpataru Institute of Technology (KIT) is a part of KVS, the mother institution. KIT was established in 1986 with a view to provide technical education. The college is affiliated to Visvesvaraya Technological University, Belagavi and is recognized by All India Council for Technical Education (AICTE), New Delhi. The 35 year old college has an excellent team of qualified, experienced and dedicated faculty members with the state of the art infrastructure. The college campus is located on the outskirts of the town at a distance of about 2 km. from Railway station and Bus Stand.

About the Department

The Department of Mechanical Engineering was established in the year 1992 with an initial intake of 30 which further was enhanced in two stages to 60 first and then to 120. The department is currently headed by Dr. B M Viswanatha, Professor & HOD. The department has well experienced, highly qualified and committed faculty members. The department has three Professors with Ph.D degree. The Department has research center recognized by VTU Belagavi. Many faculties are pursuing Ph.D in R&D Center of the department. The R & D centre have received Rs. 20 lakhs grant to setup Tribological study research laboratory and Rs. 30 lakhs grant to set up Energy Conversion Engineering research laboratory from VGST(Vision Group of Science and Technology) Govt. of Karnataka. The department organizes symposiums, workshops and seminars under Mechanical Engineering Association (MEA) every year.

About AICTE

In accordance with the provisions of the AICTE Act (1987), for the first five years after its inception in 1988, the Minister for Human Resource Development, the Government of India, was the Chairman of the Council. The first full-time Chairman was appointed on July 2, 1993 and the Council was reconstituted in March 1994 with a term of three years. The Executive Committee was re-constituted on July 7, 1994 and All India Board of Studies and Advisory Boards were constituted in 1994-95. Regional Offices of the Ministry of Human Resource Development, the Government of India, located in Kolkata, Chennai, Kanpur, and Mumbai were

transferred to AICTE and the staff working in these offices were also deputed to the Council on foreign service terms w.e.f. October 1, 1995.

These offices functioned as secretariats of regional Committees in the four regions (North, East, West and South). Three new regional Committees in southwest, central, and northwest regions with their secretariats located in Bangalore, Bhopal, and Chandigarh, respectively, were also established on July 27, 1994. One more regional committee in South-Central region with its Secretariat in Hyderabad was notified on March 8, 2007.

About ISTE

The Indian Society for Technical Education (ISTE) is the leading National Professional non-profit making Society for the Technical Education System in our country with the motto of Career Development of Teachers and Personality Development of Students and overall development of our Technical Education System. Being the only national organisation of educators in the field of Engineering and Technology, ISTE effectively contributes in various missions of the Union Government. The strength of ISTE is the strong base it has in technical education institutions in the country. At present, the ISTE has a very large and an effective membership base consisting of 124024 Life Members, 5 lakh Student members, 2734 Institutional Members, 1369 Faculty Chapters, 1479 Student Chapters at institutional level and 17 Sections at State level.

Objectives of FDP

- To provide a platform for interaction with experts of different knowledge domains
- Faculty development programs (FDPs) have proven to be successful for improving teaching skills in higher education.
- To update the faculty members, research scholars and industry professionals about the current ongoing research in the field of Thermal Engineering and related areas.
- This FDP also helps to develop innovational thoughts, knowledge on interactions of industry and institute.
- To impart knowledge on fundamental & advanced concepts of Thermal Engineering.

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Convenor

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Program Coordinator

Dr. Viswanatha B M

Professor & HOD

Dept. of Mechanical Engg.

Advisory Committee

Prof. Anil D. Sahasrabudhe, Chairman, AICTE, New Delhi

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Dr. Shrinivas S Balli, Vice Chancellor of Nrupathunga University, Bengaluru.

Dr. A S Deshpande, Registrar, VTU, Belagavi

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Dr. Chikkanna N, Special Officer, VTU Regional Center, Bangalore

Dr. S Basavarajappa, Registrar, IIT Dharwad

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Dr. V V Katti Principal, K.L.S's V.D.I.T, Haliyal

Dr. Irfan G Principal HMSIT, Tumkuru

Dr. P M Suresh ACS College of Engineering, Bangalore

Dr. Girish AMCE College, Bangalore

Dr. M Prasanna Kumar, UBDTCE-Davanagere

Dr. Mahadevaswamy P, SCE, Bangalore Dr. D P Girish, GEC, Ramanagar

Dr. B P Shikvakumar, JSSATE, Bangalore

Dr. Kanchiraya S, GEC, Hassan

Dr. Mahesh T S, GEC, Hassan

Dr. Virupaxi Auradi, SIT, Tumkur

Dr. A G Shivasiddaramaiah, SIT, Tumkur

Dr. G S Shivashankar, SIT, Tumkur

Program Coordinator

Dr. Viswanatha B M

Professor & HOD

Dept. of Mechanical Engg

Faculty Coordinators

Dr. Kiran T S

Prof. Rohith Kumar H V

Prof. Mahanthesh G

Organizing Committee

Dr. T M Chandrashekhariah

Prof. Eswariah K S

Prof. T S Siddalingaprasad

Prof. Aradhya S M

Prof. Mallikarjuna G B

Prof. Deepak Kumar N Y

Prof. Mamata Sarangamath

Prof. Dileep H B

Prof. Sandeep K

Prof. Harikesh C R

Prof. NaveenKumari M E

Prof. Brijesh C

Prof. Ajay.C.K

Prof. Anil K

Resource persons

Dr. Basavaraj Rachappa Kerur Professor of Physics, GUG.

Hari Ji,(Founder) Shoonya Foundation, Javagal

Dr. D. K. Ramesh Professor, UVCE, Bangalore.

Dr. Prashantha Basvaraja ,CFD lead Engg.Thermetics Engineering Solution, Bangalore

Dr. Basavarajappa Y H, HOD, Dept. of Mechanical Engg PESITM, Shimoga.

Dr Gnanendra P M, Assistant Professor, BMSCE, Bangalore

Dr. Banjara Kotresh Assistant Professor, GEC, Haveri

Dr. Sangamesh, Assistant Professor, BMSIT, Bangalore.

Dr. Mallikarjuna C Matt, Associate Professor, Centre for P G studies & VTURC, Kalburgi.

Dr. Ranganatha Swamy L Associate Professor, BGSIT,Adichunchanagiri University

Dr H R Purushothama, Professor & Head, SIT, Tumkur.

Dr. Venkatesh T Lamani, Assistant Professor, BMSCE, Bangalore

Dr. Kishan Naik, Assistant Professor, UBDTCE, Davanagere

Dr. Viswanatha B M, Professor & Head, KIT, Tiptur.

Nagaraja Canchi, Business development & Regulatory (Solar & Wind Power).

Session schedules				
Date :22/04/2021 Thursday				
Sessions	Time	Resource Persons	Topics	Address
1	9.30-11.00 am	Inaugural Function		
2	11.30-1.00 pm	Dr. Basavaraj Rachappa Kerur	Nuclear Energy and its applications	CEC, University of Karnataka Kadaganchi
3	2.30–4.00 pm	Dr. Viswanatha B M	Overview of Thermal Engineering	Professor & Head, KIT, Tiptur
Date : 23/04/2021 Friday				
1	9.30-11.00 am	Hari Ji	It's time for Devotion	Founder Shoonya Foundation Javagal
2	11.30-1.00 pm	D. K. Ramesh	Green Fuel as Alternative Fuel for CI Engine	Professor UVCE Bangalore
3	2.30 – 4.00 pm	Dr. Viswanatha B M	Vapor Power cycle	Professor & Head KIT, Tiptur
Date : 24/04/2021 Saturday				
1	9.30- 11.00am	Dr. Prashantha Basvaraja	Computational Cardiovascular Disease- Flow Hemodynamics	CFD leading Engg Thermetics Engg Solution
2	11.30-1.00pm	Dr.Basavarajappa Y H	DUAL fuel engines operation using gaseous and liquid biofuels	HOD, Dept. of Mechanical Engg, PESITM
3	2.30– 4.00pm	Dr. Gnanendra P M	Biomass Gasification	Asst Prof BMSCE

Session schedules				
Date :26/04/2021 Monday				
Sessions	Time	Resource Persons	Topics	Address
1	9.30-11.00 am	Dr. Banjara Kotresh	Flow and Heat Transfer through Wire Mesh Porous Media	Assistant Professor GEC, Haveri
2	11.30-1.00pm	Dr. Sangmesh	A walk to power scenario in INDIA and Significance of Renewable Energy	Assistant Professor BMSIT, Bangalore
3	2.30– 4.00 pm	Dr. Mallikarjuna C Matt	Alternative fuels for automobiles	Associate Professor, VTU Regional Center, Kalburgi
Date :27/04/2021 Tuesday				
1	9.30 -11.00am	Dr.Ranganatha Swamy L	Impact of Oxygenated Fuels on Diesel Engine	Associate Professor,BGSIT,
2	11.30-1.00pm	Dr.H R Purushothama	Combustion in IC Engine	Prof. & Head, SIT Tumkur
3	2.30 –4.00 pm	Dr.Venkatesh L Lamani	Impact of Energy Efficiency	Asst. Prof. BMSCE
Date :28/04/2021 Wednesday				
1	9.30-11.00 am	Dr.Viswanatha B M	Pure Substance, Ideal and Real Gases	Professor & Head, KIT, Tiptur
2	11.30-1.00pm	Dr.Kishan Naik	Fire Resistance	AP,UBDTCE, Davanagere
3	2.30– 4.00pm	Valedictory Function and Test		

Speaker:



Dr. Basavaraj Rachappa Kerur

Topic: Nuclear Energy and its applications

Date: 22/04/2021 **Link:** <https://meet.google.com/jtz-epvf-gso>

- Highlights:**
- Introduction to nuclear energy.
 - Various types of Nuclear energy.
 - Utilization of Nuclear energy in Industrial Sector.
 - Proper utilization of nuclear energy in various sector.
 - Advantages & Disadvantages of the source.

Speaker:



Dr. Viswanatha B M

Topic: Overview of Thermal Engineering

Date: 22/04/2021 **Link:** <https://meet.google.com/xfi-kxpz-xjx>

- Highlights:**
- Fundamental Concepts.
 - Availability, irreversibility.
 - General Thermodynamic relations.
 - Ideal gas & Real gas concepts.
 - Pure substance.

Speaker:



Hari Ji

Topic: It's time for Devotion

Date: 23/04/2021 **Link:** <https://meet.google.com/vou-cghx-mmr>

- Highlights:**
- How Prayer transforms oneself.
 - Importance of being Devoted.
 - What is devotion to God.
 - Benefits of having faith, focus towards God.
 - How to create Attainment towards Devotion.

Speaker:



D. K. Ramesh

Topic: Green Fuel as Alternative Fuel for CI Engine

Date: 23/04/2021 **Link:** <https://meet.google.com/cgf-ghxw-aet>

- Highlights:**
- Introduction to Alternate Fuel.
 - Types of alternate fuels.
 - Role of Green fuel and its importance over conventional fuels.
 - Examples of alternative fuels.
 - Environment clean alternative fuels.

Speaker:



Dr. Viswanatha B M

Topic: Vapor Power cycle

Date: 23/04/2021 **Link:** <https://meet.google.com/jnm-vthh-zcq>

Highlights:

- Introduction to vapor power cycle and its conversion to work.
- Vapor absorption and compression cycle.
- Carnot vapor cycle.
- Efficiency of vapor cycle.
- Working operations of steam power plant.

Speaker:



Dr. Prashantha Basvaraja

Topic: Computational Cardiovascular Disease-Flow Hemodynamics

Date: 24/04/2021 **Link:** meet.google.com/nxk-vpgc-typ

Highlights:

- Introduction to Hemodynamics.
- Cardiovascular Effects.
- Cardiovascular anatomy .
- Cardiovascular Disease & post effects of it.
- Computational Cardiovascular Disease.

Speaker:



Dr. Basavarajappa Y H

Topic: DUAL fuel engines operation using gaseous (CNG) and liquid bio-fuels

Date: 24/04/2021 **Link:** meet.google.com/vyc-rcps-bmw

Highlights:

- Introduction to Dual engines, CNG & liquid bio-fuels.
- Performance of dual fuel engine & its overview.
- Effect of engine parameters and types of gaseous fuels.
- Technical overview of Compressed natural gas.
- Study of technologies involved in engines.

Speaker:



Dr. Gnanendra P M

Topic: Biomass Gasification

Date: 24/04/2021 **Link:** meet.google.com/fch-befw-ngp

Highlights:

- Introduction to Biomass gasification and its types.
- Methods of biomass production.
- Fundamentals, experiments & simulation of biomass.
- Gasifiers and its types.
- Thermogravimetric analysis.

Speaker:



Dr. Banjara Kotresh

Topic: Flow and Heat Transfer through Wire Mesh Porous Media

Date: 26/04/2021 **Link:** <https://meet.google.com/igq-gfus-tno>

Highlights:

- Introduction to Heat transfer and its flow.
- Effect of porosity on flow behavior.
- Numerical simulation of porous media.
- Experimental study on the influence of wire diameter on the flow.
- Characterization of wire mesh under various geometries and its scope in future.

Speaker:



Dr. Sangmesh

Topic: A walk to power scenario in INDIA and Significance of Renewable Energy

Date: 26/04/2021 **Link:** <https://meet.google.com/bnk-qmsd-tca>

Highlights:

- Introduction to Renewable Energy.
- Types of renewable energy and its effective usage.
- Statistics of power scenario in INDIA.
- Energy conversion.
- Improvements to be made in raising the productivity of power source.

Speaker: Mallikarjuna C Matt

Topic: Alternative fuels for automobiles

Date: 26/04/2021 **Link:** <https://meet.google.com/ycc-tqsx-atw>

Highlights:

- Introduction to Alternative fuels.
- Types of Alternative fuels.
- Compatibilty of alternative fuels automobiles .
- Impact of alternative fuels on automobiles.
- Scope and developments of alternative fuels on automobiles.

Speaker:



Dr.Ranganatha Swamy L

Topic: Impact of Oxygenated Fuels on Diesel Engine Performance and Emissions

Date: 27/04/2021 **Link:** <https://meet.google.com/ads-kvxa-knx>

Highlights:

- Introduction to fuels
- Draw backs of Diesel Engine
- Alternative fuels for IC engines
- Techniques for engine applications
- Experimental set up and methodology

Speaker:



H R Purushothama

Topic: Combustion in IC Engines

Date: 27/04/2021 **Link:** <https://meet.google.com/xhp-kyja-fod>

- Highlights:**
- Introduction
 - Stages of combustion in SI engines
 - Factors affecting ignition lag , knocking
 - Abnormal combustion
 - Typical combustion chambers

Speaker:



Dr. Venkatesh L Lamani

Topic: Impact of Energy Efficiency

Date: 27/04/2021 **Link:** <https://meet.google.com/jgd-sxek-tjq>

- Highlights:**
- Energy conservation and energy Efficiency
 - Climate change - effects in India
 - Action plan on climate change
 - LED street light project
 - Smart energy saver units

Speaker:



Dr. Viswanatha B M

Topic: Pure Substance, Ideal and Real Gases

Date: 28/04/2021 **Link:** <https://tel.meet/xpd-vtfd-hhh>

Highlights:

- Types of mixtures
- Characteristics
- Differences between Ideal and Real Gases
- Inversal gas equation
- Properties

Speaker:



Kishan Naik

Topic: Fire Resistance

Date: 28/04/2021 **Link:** <https://meet.google.com/eav-ytds-dqj>

Highlights:

- Introduction to fire resistance.
- Fire properties.
- Fire resistance.
- Heat release rate.
- Analysis.



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N H 206, Tiptur – 572202



Department of Mechanical Engineering



Invitation for Virtual Valedictory of
One Week AICTE-ISTE Refresher Program

on

“Thermal Engineering”
(Phase - 3)

On

April 22nd to 28th, 2021



Chief Guest

: Dr. B. E. RANGASWAMY
Registrar (Evaluation) VTU, Belagavi

President

: Sri. P.K.THIPPERUDRAPPA,
President, KVS, Tiptur

Patrons:

Vice Presidents, KVS

Sri. T S Basavaraju
Sri. Bagepalli Nataraj
Sri. G P Deepak
Sri B S Umesh

Secretaries, KVS

Sri M R Sangamesh
Sri Sudhakar H G
Sri G S Umashankar
Sri. T U Jagadeeshamurthy

Treasurer, KVS

Sri. T.S. Shivaprasad

Program Coordinator

Dr. Viswanatha B M, HOD, ME

Convener

Dr. G.D. Gurumurthy, Principal

Faculty coordinators:

Dr. Kiran T S, Prof. Rohith Kumar H V, Prof. Mahanthesh G

All are cordially invited

HOD and Staffs, Department of Mechanical Engineering

Date: **April 28th, 2021**

Time: **3:00PM**

Venue: **KIT Mechanical Engineering Block**



Appendix-I

KALPATARU INSTITUTE OF TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to VTU, Belagavi) B.H Road, Tiptur – 572 201

Department of Mechanical Engineering

AICTE – ISTE Refresher Program on Thermal Engineering (Phase-3), 22nd to 28th April 2021



Schedule of Sessions- Online (Google meet)					
	Session - 1	11.00am to 11.30am	Session - 2	1.00pm to 2.30pm	Session - 3
Sl. No.					
1	22.04.2021 (Thursday)	9.30am to 11.00am Inaugural Function	11.30am to 1.00pm Dr. Basavaraj Rachappa Kerur Professor of Physics, GUG. Present Address Controller of Examinations, Central University of Karnataka. Kadaganchi, KALABURAGI Topic: “Nuclear Energy and its applications”. & “Importance of National Education Policy – 2020”	1.00pm to 2.30pm Dr. Viswanatha B M Professor & Head, KIT, Tiptur Topic: “Overview of Thermal Engineering”.	2.30pm to 4.00pm Dr. Viswanatha B M Professor & Head, KIT, Tiptur Topic: “Vapor Power cycle”
2	23.04.2021 (Friday)	Hari Ji, (Founder) Shoonya Foundation, Javagal Topic: “It’s time for Devotion”	Dr. D. K. Ramesh Professor, UVCE, Bangalore Topic: “Green Fuel as Alternative Fuel for CI Engine”.	L U N C H	
3	24.04.2021 (Saturday)	Dr. Prashantha Basvaraja CFD lead Engg. Thermetics Engineering Solution, Bangalore Topic: “Computational Cardiovascular Disease-Flow Hemodynamics”	Dr. Basavarajappa Y H HOD, Dept. of Mechanical Engg PESITM, Shimoga Topic: “DUAL fuel engines operation using gaseous (CNG) and liquid biofuels”.	Dr Gnanendra P M. Assistant Professor, BMSCE, Bangalore Topic: “Biomass Gasification”	
4	26.04.2021 (Monday)	Dr. Banjara Kotresh Assistant Professor , GEC, Haveri Topic:” Flow and Heat Transfer through Wire Mesh Porous Media”	Dr. Sangmesh Assistant Professor, BMSIT, Bangalore Topic: "A walk to power scenario in INDIA and Significance of Renewable Energy"	Dr. Mallikarjuna C Matt Associate Professor, Centre for P G studies & VTU Regional Center, Kalburgi. Topic: “Alternative fuels for automobiles”	
5	27.04.2021 (Tuesday)	Dr. Ranganatha Swamy L Associate Professor BGSIT, Adichunchanagiri University, BG Nagara, Mandya Topic- Impact of Oxygenated Fuels on Diesel Engine Performance and Emissions.	Dr H R Purushothama Prof. & Head, SIT Tumkur Topic: Combustion in IC Engine	Dr. Venkatesh T Lamani Assistant Professor, BMSCE, Bangalore Topic:” Impact of Energy efficiency”	
6	28.04.2021 (Wednesday)	Nagaraja Canchi Business development & Regulatory (Solar & Wind power) Topic : “Renewable Energy current status and Roadmap”	Dr. Kishan Naik Assistant Professor, UBDTCE, Davanagere Topic: “Fire Resistance”	Valedictory Function and Test (Over all feedback form) (TEST)	

Faculty Coordinators

Dr. T S Kiran

Professor

Dept of Mechanical Engg.

Ph: 9844113298

Prof. Rohith Kumar H V

Assistant Professor

Dept of Mechanical Engg.

Ph: 9901467743

Prof. Mahanathesh G

Assistant Professor

Dept of Mechanical Engg.

Ph: 9880016505

Program Coordinator:

Dr. Viswanatha B M

HOD & Professor

Dept of Mechanical Engg.

Ph: 8762018207

Convenor

Dr. G. D. Gurumurthy

Principal,

KITT, Tiptur

Appendix - II

List of participants

Sl.No	Name	Designation	Name Of The Institute Or Organization
1.	Vinod Kumar Biradar	Assistant Professor	Sri Sairam College Of Engineering Bangalore
2.	Brijesh C	Assistant Professor	Kalpataru Institute Of Technology
3.	Rahul Dabi	Assistant Professor	Shri Vaishnav Vidyapeeth Vishwavidyalaya
4.	Sandeep K	Assistant Professor	Kalpataru Institute Of Technology
5.	Faheem Akthar	Assistant Professor	Navodaya Institute Of Technology
6.	Anil K	Assistant Professor	Kalpataru Institute Of Technology
7.	Ravi Kalra	Assistant Professor	SIET Gr Noida
8.	Dr. Manuunath C	Assistant Professor	Acharya Institute Of Technology, Bangalore.
9.	P.Munusamy	Asst Professor	Er.Perumal Manimekalai College Of Engineering
10.	Dr. Kiran T S	Professor And TPO	Kalpataru Institute Of Technology
11.	Irfan Khan	Assistant Professor	Siet Gr Noida
12.	Manojkumar N Udgire	Assistant Professor	Alumari Ratnamala Institute of Engg And Technology
13.	Deepak Kumar N Y	Assistant Professor	Kalpataru Institute Of Technology
14.	Ms.Renitha P	Assistant Professor	Immanuel Arasar JJ College Of Engineering
15.	Ashadul Munsif	Assistant Professor	Dream Institute Of Technology
16.	Doppala Prasad	Assistant Professor	Pscmr Cet
17.	Ritik Ram	Student	Igit Sarang
18.	Balasubramanya H S	Assistant Professor	Rit, Bangalore
19.	Ajay C K	Asst Professor	Kalpataru Institute Of Technology
20.	Umamaheshwar Hebbal	Assistant Professor	Jss Academy Of Technical Education
21.	Poonam Diwan	Assistant Professor	Vec Lakhapur
22.	Praveen Harari	Assistant Professor	Sgmcoe Mahagaon
23.	Syed Muhammad Ahmed	Ug Student	Lords Institute Of Engineering And Technology
24.	Sasmita Bal	Asst .Prof.	Alliance University, Bangalore
25.	Easwer.Nv	B Tech Mech.Engg	Srm Institute Of Science And Technology,Vadapalani
26.	Ashish Shivkumar Utage	Assistant Professor	Dr. Vishwanath Karad Mit World Peace University, Pune
27.	Dr. Aman Soi	Assistant Professor	Global Group Of Institutes
28.	Eswaraiah KS	Associate Professor	Kalpataru Institute Of Technology
29.	Manjunath G A	Assistant Professor	Kls Gogte Institute Of Technology
30.	Golekar Pushkar Ramesh	Assistant Professor	RMD Sinhgad School Of Engineering
31.	Dinesh Ramesh Salunke	Assistant Professor	Rmd Sinhgad School Of Engineering
32.	Dr Yuvaraj L	Assistant Professor	Acharya Institute Of Technology
33.	Girish B	Assistant Professor	Bangalore Institute Of Technology
34.	Dr. T M Chandrashekharaiiah	Professor	Kalpataru Institute Of Technology
35.	Dr.D.Pritima	Professor	Sri Krishna College Of Engineering And Technology
36.	Mehtre Vikaskumar Kishanrao	Asst.Professor	Apcoer Pune
37.	Chetan Jaiswal	Assistant Professor	Shri Vaishnav Vidyapeeth Vishwavidyalaya
38.	T Ch Anil Kumar	Assistant Professor	Vignan's Foundation For Science Technology
39.	Harikesha C R	Assistant Professor	Kalpataru Institute Of Technology
40.	Pradeep Kumar Chandra	Assistant Professor	Skyline Institute Of Engineering And Technology
41.	S Naveen	Assistant Professor	Proudhadevaraya Institute Of Technology
42.	Vishwas M	Assistant Professor	Siddaganga Institute Of Technology
43.	Sushma S	Assistant Professor	Channabasaveshwara Institute Of Technology
44.	Mr. PRASHANT B V	Assistant Professor	P K Technical Campus Chakan
45.	Saran Theja Manige	Research Scholar	JNTU
46.	Prof. Shrikant V B	Assistant Professor	Dr. Sau. Kgiel Darapur
47.	Jani Dilip Batukray	Associate Professor	Government Engineering College Dahod
48.	Rajeesh S	Assistant Professor	Ramaiah Institute Of Technology
49.	Shekasa Nadaf	Assistant Professor	Government Engineering College
50.	Inder Singh Nagar	Assistant Professor	School Of Research And Technology
51.	Patel C H	Assistant Professor	Lovely Professional University
52.	Jayant Nana Kajale	Asst Prof	Sinhgad Academy Of Engineering, Kondhwa.
53.	Pinakesh Banerjee	Research Scholar	National Institute Of Technology Karnataka
54.	Manjunath V B	Assistant Professor	Holy Mary Institute Of Technology And Science
55.	Sridhar S	Research Scholar	National Institute Of Technology Karnataka
56.	Abutalib Chhipa	Assistant Professor	Ujjain Engineering College

57.	Bernard Oruabena	Lecturer	Federal Polytechnic Ekowe
58.	Deviprasad N Mirashi	Assistant Professor	Jain College Of Engineering And Technology,Hubballi-
59.	Deepak Lokare	Assistant Professor	Kls Vdit
60.	Thara R	Assistant Professor	Cit, Gubbi , Tumkur
61.	Girish A R	Assistant Professor	Srinivas Institute Of Technology, Mangalore
62.	Priyam Shukla	Student	Madhav Institute of Technology and Science College MP
63.	Anjali Upadhyay	Faculty	Vikram University
64.	Ekta Tripathi	Assistant Professor	Svits,Svvv
65.	Mallikarjuna G B	Assistant Professor	Kalpataru Institute Of Technology
66.	Dr. Prashanth K P	Asst Prof	Acharya Institute Of Technology
67.	Kumara B M	Assistant Professor	ACS College Of Engineering
68.	Dr Lokesh P	Asst Prof	Rv Institute Of Technology And Management
69.	K Kamesh	Lecturer	Murugappa Polytechnic College
70.	Ashok Kumar K	Assistant Professor	Ramaiah Institute Of Technology
71.	Rajesh Javali	Assistant Professor	Pdit
72.	Varun N	Assistant Professor	Srinivas Institute Of Technology
73.	Praveen Math	Assistant Professor	Reva University Bangalore
74.	Jagadeesh B	Assistant Professor	Srinivas Institute Of Technology
75.	Dr. ABDULRAJAK BURADI	Assistant Professor	NITTE Meenakshi Institute Of Technology, Bangalore
76.	Dr. Jayaraj Y Kudariyavar	Assistant Professor	SDM College Of Engineering And Technology Dharwad
77.	Dr Yogesha K K	Assistant Professor	NIE
78.	Lavakumar K S	Assistant Professor	Acharya Institute Of Technology
79.	Abinash Behera	Assistant Professor	Majhighariani Institute Of Technology And Science
80.	Sushil Kumar	Assistant Professor	Hansraj College
81.	Balaji.S	Assistant Professor	Reva University
82.	Shankha Shubhra Goswami	Assistant Professor	Indira Gandhi Institute Of Technology
83.	Puja Swain	Lecturer	Jharsuguda Engineering School
84.	Dr C Sivakandhan	Professor	Nadar Saraswathi College Of Engg And Technology
85.	Pradeep H	Assistant Professor	B G S I T
86.	Sharath N	Assistant Professor	Bgsit ACU
87.	Nandeesha HL	Assistant Professor	MS Ramaiah Institute Of Technology
88.	Santhosh Kumar T C	Assistant Professor	B G S Institute Of Technology
89.	Jagadeesh A	Assistant Professor	Mvjce
90.	Dr. Ghanshyam Barman	Assttand Professor	Uka Tarsadia University Bardoli- 394350 Gujarat, India
91.	Mr.Vikram Kulkarni	Assistant Professor	D Y Patil College Of Engineering Akurdi
92.	Varun K R	Asst. Professor	The Oxford College Of Engineering
93.	Dr. Devaraja. P. B.	Associate Professor	Kalpataru Institute Of Technology
94.	Aamir	Assistant Professor	Bbd Itm Lucknow
95.	Dr Mahesh T S	Associate Professor	Government Engineering College Hassan
96.	Sushil Kumar Sahoo	Phd Scholar	Indira Gandhi Institute Of Technology Sarang
97.	Mahanthesh.G	Assistant Professor	Kalpataru Institute Of Technology
98.	Mr.M.P.M.MOHAMED	Assistant Professor	Mohamed Sathak Engg College

Resource Persons

- Dr. Basavaraj Rachappa Kerur
Professor of Physics, GUG.
Present address
Controller of Examinations, Central University of
Karnataka, Kadaganchi, KALABURAGI.
- Hari Ji, (Founder)
Shoonya Foundation, Javagal
- Dr. D. K. Ramesh
Professor, UVCE, Bangalore.
- Dr. Prashantha Basvaraja
CFD lead Engg. Thermetics Engineering
Solution, Bangalore.
- Dr. Basavarajappa Y H
HOD, Dept. of Mechanical Engg
PESITM, Shimoga.
- Dr. Gnanendra P M
Assistant Professor, BMSCE, Bangalore.
- Dr. Banjara Kotresh
Assistant Professor, GEC, Haveri
- Dr. Sangamesh
Assistant Professor, BMSIT, Bangalore.
- Dr. Mallikarjuna C Matt
Associate Professor, Centre for P G studies &
VTU Regional Center, Kalburgi.
- Dr. Ranganatha Swamy L
Associate Professor, BGSIT,
Adichunchanagiri University, BG Nagara,
Mandya
- Dr H R Purushothama
Professor & Head, SIT, Tumkur.
- Dr. Venkatesh T Lamani
Assistant Professor, BMSCE, Bangalore
- Dr. Kishan Naik
Assistant Professor, UBDTCE, Davanagere.
- Dr. Viswanatha B M
Professor & Head, KIT, Tiptur.
- Nagaraja Canchi
Business development & Regulatory
(Solar & Wind Power).

Chief Patron

Sri P. K. Thipperudrappa
President KVS

Patrons

Vice President KVS

Sri. T S Basavaraju
Sri. Bagepalli Nataraj
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Secretary KVS
Sri M R Sangamesh
Sri Sudhakar H G
Sri G S Umashankar
Sri. T U Jagadeeshamurthy

Treasurer KVS

Sri. T S Shivaprasad

Convener

Dr. G D Gurumurthy
Principal, KIT, Tiptur

Program Coordinator

Dr. Viswanatha B M, HOD Mechanical Engg

Faculty Coordinators

Dr. Kiran T S
Prof. Rohith Kumar H V
Prof. Mahanthesh G

Organising Committee

Dr. T M Chandrashekhariah
Prof. Eswariah K S
Prof. T S Siddalingaprasad
Prof. Aradhya S M
Prof. Mallikarjuna G B
Prof. Deepak Kumar N Y
Prof. Mamata Sarangamath
Prof. Dileep H B
Prof. Sandeep K
Prof. Harikesh C R
Prof. NaveenKumari M E
Prof. Brijesh C
Prof. Ajay.C.K
Prof. Anil K

One Week AICTE-ISTE Online Refresher
Program
On

‘Thermal Engineering’ (Phase-3)

22/04/2021 to 28/04/2021

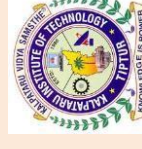
Sponsored by AICTE-ISTE-New Delhi



AICTE



ISTE



Organised by

Department of Mechanical Engineering
Kalpataru Institute of Technology,
Tiptur

(Affiliated to VTU, Belgavi and Recognized by AICTE, New Delhi)
B.H.Road, TIPTUR-572 201, Karnataka,
Ph: 08134-251267, Fax No: 08134-251939
www.kittiptur.ac.in

About Organizing Institute

Kalpataru Institute of Technology (KIT) is a part of KVS, the mother institution. KIT was established in 1986 with a view to provide technical education. The college is affiliated to Visvesvaraya Technological University, Belagavi and is recognized by All India Council for Technical Education (AICTE), New Delhi. The 34 year old college has an excellent team of qualified, experienced and dedicated faculty members with the state of the art infrastructure. The college campus is located on the outskirts of the town at a distance of about 2 km. from Railway station and Bus Stand.

About the Department

The Department of Mechanical Engineering was established in the year 1992 with an initial intake of 30 which further was enhanced in two stages to 60 first and then to 120. The department is currently headed by Dr. B M Viswanatha, Professor & HOD. The department is in optimum demand since its inception to till date. The department has well experienced, highly qualified and committed faculty members. The department has three Professors with Ph.D degree. The Department has research center recognized by VTU Belagavi. Many faculties are pursuing Ph.D in R&D Center of the department. The Research and Development department has received Rs. 20 lakhs grant to setup Tribological study research laboratory and Rs. 30 lakhs grant to set up Energy Conversion Engineering research laboratory from VGST Govt. of Karnataka. The department organizes symposiums, workshops and seminars under Mechanical Engineering Association (MEA) every year.

About AICTE

In accordance with the provisions of the AICTE Act (1987), for the first five years after its inception in 1988, the Minister for Human Resource Development, the Government of India, was the Chairman of the Council. The first full-time Chairman was appointed on July 2, 1993 and the Council was reconstituted in March 1994 with a term of three years. The Executive Committee was re-constituted on July 7, 1994 and All India Board of Studies and Advisory Boards were constituted in 1994-95. Regional Offices of the Ministry of Human Resource Development, the Government of India, located in Kolkata, Chennai, Kanpur, and Mumbai were transferred to AICTE and the staff working in these offices were also deputed to the Council on Foreign Service terms w.e.f. October 1, 1995.

These offices functioned as secretariats of regional Committees in the four regions (North, East, West and South). Three new regional Committees in southwest, central, and northwest regions with their secretariats located in Bangalore, Bhopal, and Chandigarh, respectively, were also established on July 27, 1994. One more regional committee in South-Central region with its Secretariat in Hyderabad was notified on March 8, 2007.

About ISTE

The Indian Society for Technical Education (ISTE) is the leading National Professional non-profit making Society for the Technical Education System in our country with the motto of Career Development of Teachers and Personality Development of Students and overall development of our Technical Education System. Being the only national organization of educators in the field of Engineering and Technology, ISTE effectively contributes in various missions of the Union Government. The strength of ISTE is the strong base it has in technical education institutions in the country. At present, the ISTE has a very large and an effective membership base consisting of 124024 Life Members, 5 lakh Student members, 2734 Institutional Members, 1369 Faculty Chapters, 1479 Student Chapters at institutional level and 17 Sections at State level.

Objectives of FDP

- ❖ To provide a platform for interaction with experts of different knowledge domains
- ❖ Faculty development programs (FDPs) have proven to be successful for improving teaching skills in higher education.
- ❖ To update the faculty members, research scholars and industry professionals about the current ongoing research in the field of Thermal Engineering and related areas.
- ❖ This FDP also helps to develop innovative thoughts, knowledge on interactions of industry and institute.
- ❖ To impart knowledge on fundamental & advanced concepts of Thermal Engineering

Advisory Committee

Prof. Anil D. Sahasrabudhe, Chairman, AICTE, New Delhi
Dr. Karisiddappa, Vice Chancellor, VTU, Belagavi
Col. B Venkat, Director, Faculty Development cell, AICTE, New-Delhi

Prof. Vijay D. Vaidya, Executive Secretary, ISTE, New Delhi
Dr. Shrinivas S Balli, Vice Chancellor of Nrupathunga University, Bengaluru.
Dr. A S Deshpande, Registrar, VTU, Belagavi
Dr. B E Rangaswamy, Registrar (Evaluation), VTU, Belagavi
Dr. Chikkanna N, Special Officer, VTU Regional Center, Bangalore
Dr. S Basavarajappa, Registrar, IIT Dharwad
Dr. S M Shashidhara, Former Principal, KIT, Tiptur
Dr. Rangaswamy T, Principal, GEC, Mosalehosahalli
Dr H Nagabhushana Chairman & Professor Department of Studies & Research in Physics Tumkur University, Tumkur
Dr. V V Katti Principal, K.L.S's V.D.I.T, Haliyal
Dr. Irfan G Principal HMSIT, Tumkur
Dr. P M Suresh ACS College of Engineering, Bangalore
Dr. Girish AMCE College, Bangalore
Dr. M Prasanna Kumar, UBDTCE-Davanagere
Dr. Mahadevaswamy P, SCE, Bangalore
Dr. D P Girish, GEC, Ramanagar
Dr. B P Shikvakumar, JSSATE, Bangalore
Dr. Kanchiraya S, GEC, Hassan
Dr. Mahesh T S, GEC, Hassan
Dr. Virupaxi Auradi, SIT, Tumkur
Dr. A G Shivasiddaramaiah, SIT, Tumkur
Dr. G S Shivashankar, SIT, Tumkur

Registration

No registration fees (Maximum participants allowed: 100, on first come first serve basis). Preference will be given to ISTE life members. E-certificates will be given to the participants those who are satisfying the requirement of 80% or more attendance and 60% or more marks in quiz which will be conducted during/end of the FDP.

Eligibility

Faculty members and research scholars belonging to AICTE approved Institutions.

Important Dates

Last date for Registration
Confirmation of Seats

: 19-04-2021
: 20-04-2021

Registration Link:

<https://forms.gle/x7wU7Hb13DtcU17o6>



Photo gallery



Inauguration of One Week AICTE- ISTE Refresher Program on Thermal Engineering (Phase-3)
on 22/04/2021



Inauguration with office bearers



Principal, KIT addressing the session



HOD, Department of Mechanical Engineering addressing the session



KIT-Estd. 1986

Kalpataru Vidya Samsthe ® Estd. 1961
KALPATARU INSTITUTE OF TECHNOLOGY – TIPTUR
(Affiliated to Visvesvaraya Technological University & approved by AICTE, New Delhi)
DEPARTMENT OF MECHANICAL ENGG.



Report on

**“National Conference on Recent trends in Engineering
2k23”**

Date: 05/05/2023

Sl. No.	Adjudicator
01	Dr. Balasubramanya H S
02	Dr.Gireesh V Kulakarni
03	Dr.Hadimani Shivakumar
04	Dr.Raviprakash M L



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KALPATARU INSTITUTE OF TECHNOLOGY
(Affiliated to Visvesvaraya Technological University & approved by AICTE, New Delhi)
N.H 206, Tiptur - 572 202, Karnataka, INDIA.

Department of Mechanical Engineering

April 1st, 2023

Ref No: KIT/ MED/015 /2023

To,
The Principal
KIT - Tiptur

Respected Sir,

Sub: - Requisition for permission to conduct the National Conference 2023,

With reference to the above cited subject, the Department has planned to conduct a National Conference-2023 for all Engineering discipline in the month of May 2023. The expenditure details are mentioned below.

SL No.	Particulars	Approximate Cost in Rs.
1	Prize amount 1 st - 5000/- 2 nd - 3000/- 3 rd - 2000/-	10000
2	Postal charges	2000
3	Broucher & Banners	2000
4	Certificates	1000
5	Mementoes	1000
6	High tea	1500
7	Lunch	4000
8	Miscellaneous	2000
Total amount(twenty three thousand and five hundred only)		23500/-

Kindly consider and do the needful.

Thanking you,

Coordinators:

1. Dr. Siddalingaprasad T S
2. Prof. S M Aradya

Permitted
S.M. Aradya

Specify Registration charge
Permitted
1/4/23
S. M. Aradya

Yours Sincerely,

HEAD OF THE DEPARTMENT
DEPT. OF MECHANICAL ENGINEER
KIT - TIPTUR - 572202.



Kalpataru Vidya Samsthe @ Estd. 1961
KALPATARU INSTITUTE OF TECHNOLOGY
(Affiliated to Visvesvaraya Technological University & approved by AICTE, New Delhi)
N.H 206, Tiptur - 572 202, Karnataka, India.



Department of Mechanical Engineering

Ref. No: KIT/MED/020/2023

7th June, 2023

To,
The Principal
KIT - Tiptur

Respected Sir,

Sub: - Bill Settlement of Advance amount **Rs. 23,500/- & Rs. 3,000** regarding National Conference

With reference to above cited subject, I here with submitting the bills towards the advance amount of Rs.23,500/- (Ref: KIT/MED/015/2023 Dated on 23/03/2023).The details of expenditure bill details are mentioned below:-

Sl. No	Bill No.	Amount in Rs.
01	138	1750
02	139	756
03	144	600
04	12359	750
05	5428	550
06	5701	300
07	41333	775
08	72	3440
09	2395	2320
10	4243	1200
11	3001	145
12	32	150
13	V1	950
14	V2	590
15	V3	2000
16	V4	1000
17	V5	5000
18	V6	3000
19	V7	1224
Total Expenditure in Rs.		26500/-
Twenty six thousand five hundred only		
Advance amount received in Rs. 23500/-		
Entry fee collection amount Rs. 3000/-		26,500/-
Total amount received Rs. 26,500/-		
Balance Amount in Rs.		Nil

Thanking you,

Encl: 1. Bills
2. Approved Copy

Yours Sincerely,

[Signature]
HEAD OF THE DEPARTMENT
DEPT. OF MECHANICAL ENGINEERING
KIT - TIPTUR - 572202.

*To
Accountant
To verify
[Signature]*

National Conference on
"Recent Trends in Engineering
2k23"

On 5th May 2023 Friday
[Open to All Engineering Branches]

Registration Form

Name of the Participant: _____

Faculty/Research scholars/UG/PG: _____

Industry: _____

Area of Research: _____

Department: _____

Institution Address: _____

Address for Correspondence: _____

E-mail: _____

Mobile No.: _____

Payment Details

Payment Method: Online: ☐ Offline: ☐

Amount (Rs): _____

Payment ID: _____

Date: _____

Signature of the applicant

Signature and Seal of the
HOD/Head of the Institute
(or)

Google Registration Form:
<https://forms.gle/vblepJmocaVvwobm7>

Chairman

Dr. Gurumurthy G D
Principal, KIT, Tiptur

Chief-Convenor

Dr. Viswanatha B M,
HOD Mechanical Engg.,
BOS-ME, VTU, Belagavi

Technical Committee

Dr. Chandrashekharaiah T M
Prof. Arunkumar A M HOD Civil
Prof. Yogananda G S HOD ECE
Prof. Shashidhara M S HOD CSE
Prof. Rajshekar K J HOD ISE
Prof. Deepthi Amith HOD MBA
Dr. H N Chandrakala HOD Chemistry
Dr C Vedamurthy HOD Physics
R G Charantimath HOD Mathematics
Dr. Rajashekar Aradya S V
Dr. Kiran T S
Mr. Eshwariah K S
Mr. Mallikarjuna G B
Mr. Rohith kumar H V
Mr. Dileep H B
Mrs Mamata Sarangamath
Mr. Mahanthesh G
Mr. Sandeep K
Mr. Harikesha C R
Mrs.NaveenKumari M E
Mr. Brijesh C
Mr. Ajay C K
Mr. Anil K

Co-Ordinators

Dr. Siddalingaprasad T S
Mr. Aradhya S M

Ph: 9844023622

Ph: 9844569886

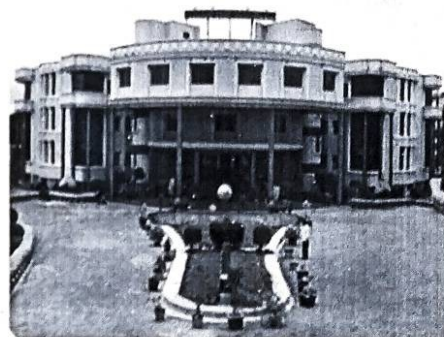
National Conference on "Recent
Trends in Engineering 2k23"

On 5th May 2023 Friday
[Open to All Engineering Branches]



Organised by

Department of Mechanical Engineering,
KIT, Tiptur



ESTD: 1986



ESTD: 1992

Kalpataru Institute of Technology

(Affiliated to VTU, Belagavi and Recognized by AICTE, New Delhi)

B. H. Road, TIPTUR-572 201, Karnataka,

Ph. 08134-251267, Fax No. 08134-251939 www.kitptur.ac.in

About Organizing Institute

Kalpataru Institute of Technology (KIT) is a part of the Mother institution KVS. KIT was established in 1986 with a view to provide technical education to the rural youth. The college is affiliated to Visvesvaraya Technological University, Belgaavi and is recognized by All India Council for Technical Education (AICTE), New Delhi. The 36 year old college has an excellent team of qualified, experienced and dedicated faculty members with the state of the art infrastructure. The college campus is located on the outskirts of the town at a distance of about 2 km. from Railway station and Bus Stand.

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President KVS

Sri. T S Shivaprasad
Treasurer KVS

Patrons

Vice President KVS

Sri. B S Umesh
Sri. T S Basavaraju
Sri. Bagepalli Nataraj
Sri. G P Deepak

Secretary KVS

Sri. G S Umashankar
Sri. M R Sangamesh
Sri. Sudhakar H G
Sri. T U Jagadeeshamurthy

Advisory Committee

Dr. Basavarajappa S, IIT Dharwad
Dr. Prasanna Kumar M, UBDTCE Davanagere
Dr. M S Govinde Gowda, ATME Mysore
Dr. Mahadevaswamy P, MSCE, Bengaluru
Dr. Rangaswamy T, GEC, Hassan
Dr. Shivashankar G S, SIT, Tumkauru
Dr. Shivashankar H S, SIT, Tumkauru
Dr. E Basavaraj, JNNCE, Shivamogga
Dr. Basavarajappa, PESITM Shivamogga
Dr. Dhananjaya D A, RIT, Hassan
Dr. Mruthunjaya M, JSSATE, Bengaluru
Dr. Suresh R, MSRIT, Bengaluru
Dr. Suresh P M, ACS College of Engg, Bangalore
Dr. Govindraj, BMSIT, Bangalore
Dr. D P Girish, GEC, Hassan
Dr. Mahesh T S GEC, Hassan
Dr. Kanchiraya S GEC, Hassan
Dr. Balasubramanya H S MSRIT, Bangalore
Dr. Giridhar Kulakarni CIT, Gubbi
Dr. Basavaraja Ganigar, SCE, Bangalore

About Conference

The National Conference on Recent Trends in Engineering 2k23 is being organized by the Department of Mechanical.

This conference is aimed at:

- To assemble the researchers, students to present and share knowledge, advancements, ideas and applications in the fields of science and engineering.
- To provide a forum among researchers working with common interest in a variety of fields and scientific advancements.

- The conference will also provide opportunities for networking and collaboration amongst scholars from different disciplines

Paper Format

- All authors are requested to send the manuscripts in IEEE Paper Format. The manuscripts must have the abstract of around 250 words along with a maximum number of 6 pages.
- Maximum of 4 authors per paper
- Participants have to send their full length papers to e-mail id : norte2k23@kittiptur.ac.in

Target Group

- Students and Faculty members from Engineering Colleges, Polytechnic or from any Higher Educational Institutions are eligible

Registration Details

Registration fee of Rs. 200

The participants shall pay the fee using the QR Code below



Registration Fee

National Conference

Faculty/Research scholars/UG/PG : Rs.200/-

Important Dates

Last Date for submitting papers : 28th April 2023
Acceptance Notification : 02nd May 2023
Last Date for Registration : 04th May 2023

CASH PRIZE:

There is Cash Prize for the three best papers in the conference

1st Place : Rs.5000
2nd Place : Rs.3000
3rd Place : Rs.2000



Kalpataru Vidya Samsthe (R) Estd:1961

KALPATARU INSTITUTE OF TECHNOLOGY

(Affiliated to VTU, Belagavi & Recognized by AICTE, New Delhi)

Department of Mechanical Engineering

TIPTUR-572 201, Tumkur Dist. Karnataka State.



INVITATION

for



**"NATIONAL CONFERENCE ON RECENT TRENDS
IN ENGINEERING 2K23"**

Presiding Over : **Sri P. K. Thipperudrappa**
President, Kalpataru Vidya Samsthe, Tiptur.

Chief Guest : **Dr. T M Chandrashekaraiah**
Professor
Dept of Mechanical Engineering
KIT TIPTUR

Guests of Honor

Vice-Presidents of KVS

Sri Umesh B S
Sri T S Basavaraju
Sri Bagepalli Nataraju
Sri Deepak G P

Secretaries of KVS

Sri G S Umashankar
Sri M R Sangamesh
Sri H G Sudhakar
Sri T U Jagadeeshmurthy

Treasurer-KVS
Sri T S Shivaprasad

Chairman

Dr. G D Gurumurthy
Principal, K.I.T, Tiptur

Chief-Convener

Dr Viswanatha B M
HOD Mechanical Engineering
BOS-ME, VTU Blagavi

Co-ordinator

Dr. T. S. Siddalingaprasad
Associate Professor
Dept. of Mechanical Engg.

Co-ordinator

Mr. S. M. Aradya
Associate Professor
Dept. of Mechanical Engg.

All are cordially invited

Date: Friday, 5th May 2023

Time: 10.00 a m

Venue: MBA Seminar Hall, KIT.



Kalpataru Vidya Samsthe ® Estd. 1961
KALPATARU INSTITUTE OF TECHNOLOGY
(Affiliated to Visvesvaraya Technological University & approved by AICTE, New Delhi)
N.H 206, Tiptur – 572 202, Karnataka, India.



Department of Mechanical Engineering

Ref. No: KIT/MED/07/2023

May. 02nd, 2023

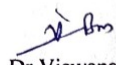
Dr. Hadimani Shivakumar
Associate professor,
Electronics and Communication Engineering
Kalpataru Institute of Technology,
Tiptur-572201

Respected sir

Subject: Request to be an adjudicator for the National conference on “Recent trends in Engineering 2k23”

As per the above cited subject Mechanical Engineering Department is organizing “National conference on Recent trends in Engineering 2k23” for all engineering branches on 5th may 2023 Friday. Kindly accept our invitation to be an adjudicator for the event and make it grand success.

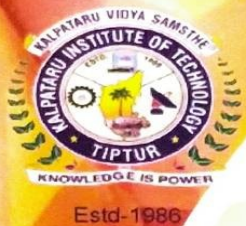
Thanking you


Dr. Viswanatha B M
Chief convenor
HOD, Mechanical Engineering Dept,
Kalpataru Institute of Technology,
Tiptur-572201

List of the Papers Presented

Sl no	Participant name	Institute	Title of paper	Email id	Phone number
1	Subh P Parekh ¹ , Ashik M ² , Varunchandre Gowda D S ³ , Dr. Govardhan Goud	Bahubali College of Engineering, Shravanabelagola-573135	Vehicle Control using CAN protocol for Implementing Intelligent Braking System	subhparekh8@gmail.com	8921837529
2	Sourabh Shiraguppe, Vikas H S, Shreyansh Patil, Sunil B P, Mr Raghu M J	Bahubali College of Engineering, Shravanabelagola-573135	Design And Fabrication of Soil Moisture Detection Bot with IoT	shreyanshpatil526@gmail.com	8546933969/ 9686137134
3	Shivakumara B, USN: 1MS21MSE03 Mtech Student	MSRIT Bangalore.	AREVIEWON-CHARACTERIZATION OF TRIBOLOGICAL PROPERTIES OF COPPERMETAL MATRIXCOMPOSITES	shivubn95@gmail.com	8951209143
4	MD Ashik Ansari, Mohammad Maaz, Neha S Gowda and SyedZabiulla	SapthagiriCollegeofEngineering, ChikkasandraBangalore-560057	Development of Compressed Air Engine	nehasreenivasgowda26@gmail.com	8147397499
5	Kaushik P ^{#1} , Hrithik B ¹ , Harshith H Acharya ¹ , Arun P	Sapthagiri College of Engineering Bangalore	Development of Box Transfer Mechanism	kaushikp429@gmail.com	9480270813
6	Ayush Sharma, Divyansh Dhaka, Arunkumar tolagatt, Prasham delwadiya	MSRIT Bangalore.	FABRICATION AND TESTING OF 3D PRINTED POLYMER MATERIAL FOR MEDICAL APPLICATIONS	sharmaayush712@gmail.com	9407661139

7	Anusha M, 2Deepa Mudakavi, 3Deepashree M, 4Ganavi U	GSSS INSTITUTE OF ENGINEERING & TECHNOLOGY FOR WOMEN	Smart Mirror using IOT	deepamudakavi87@gmail.com	
8	Harshitha G, 2Inchara L, 3Kavya B S, 4Keerthi G S	GSSS INSTITUTE OF ENGINEERING & TECHNOLOGY FOR WOMEN	PADDY LEAF DISEASE DETECTION AND RECOMMENDATION OF PESTICIDES USING IOT	incharal2019@gmail.com	
9	RakeshRH, mpuJGowda, TharunDalawayiLG, ChalanAppachuPV	NITTE MEENAKSHI INSTITUTE OF TECHNOLOGY BANGLORE	Computational analysis of the fluid flow and heat transfer properties of Al_2O_3 nano-fluids in micro-channels with various aspect ratios	7624992244ab@gmail.com	
10	Sanjaytharan Tamilselvan Abdulrajak Buradi	NITTE MEENAKSHI INSTITUTE OF TECHNOLOGY BANGLORE	Computational Methods for Investigating Hemodynamics in Coronary Arteries: A Comprehensive Review of CFD and FSI Techniques for Determining WSS and Other Key Parameters to Prevent Atherosclerosis and Cardiovascular Disease	sanjaytharan0@gmail.com	9930697733
11	Divya P Dr. Shakuntala B S	KIT Tiptur	Blink Detection Based PIN Verification	divyapsrb@gmail.com	7022597964
12	Shivakumar M R Uttham H T	KIT Tiptur	Fabrication of Multipurpose Crop Cutter	shivumrs123@gmail.com	8861778198
13	Jasim Mohammed M Yashwantha N	KIT Tiptur	Design & Fabrication of Arecanut Harvesting and Spraying Machine	yashwanthn744@gmail.com	9620082406
14	Joshua S	KIT Tiptur	Battery Driven Motorized Agricultural Weed Remover	joshjoamold@gmail.com	9845628267



Estd-1986

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KALPATARU INSTITUTE OF TECHNOLOGY – TIPTUR
(Affiliated to Visvesvaraya Technological University & approved by AICTE, New Delhi)
DEPARTMENT OF MECHANICAL ENGINEERING




Certificate

"National Conference on Recent Trends in Engineering 2k23"

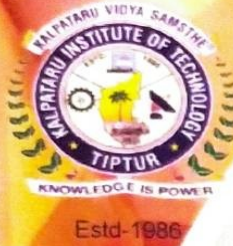
This is to certify that Rakesh R H Impu J. Gouda
awarded 1st Prize for
the Paper Computational Analysis of Fluid Flow and Heat Transfer Characteristics
of Al_2O_3 Nanofluids in Micro channels -- from NM2T, Bangalore
in "National Conference on Recent Trends in Engineering" on 5th May 2023 organized by Department of
Mechanical Engineering, Kalpataru Institute of Technology, Tiptur -572201


Dr. Siddalingaprasad T S
Associate Professor


Mr. Aradhya S M
Associate Professor


Dr. Vishwanatha B M
H.O.D, Dept of Mechanical
BOS-ME, VTU, Belagavi


Dr. G D Gurumurthy
Principal



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DEPARTMENT OF MECHANICAL ENGINEERING



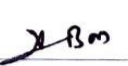
Certificate

"National Conference on Recent Trends in Engineering 2k23"

This is to certify that Sanjay Thoran, Tamil Selvan, Abdul Razak, Buradi
awarded 3rd Prize for
the Paper Computational Methods for Investigating Hemodynamics in Coronary
Artery: A Comprehensive Review of CFD from NM2T Bangalore
in **"National Conference on Recent Trends in Engineering"** on 5th May 2023 organized by Department of
Mechanical Engineering, Kalpataru Institute of Technology, Tiptur -572201


Dr. Siddalingaprasad T S
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KALPATARU INSTITUTE OF TECHNOLOGY – TIPTUR
(Affiliated to Visvesvaraya Technological University & approved by AICTE, New Delhi)
DEPARTMENT OF MECHANICAL ENGINEERING




Certificate

"National Conference on Recent Trends in Engineering 2k23"

This is to certify that Arbeena Khanum, Hema H.C., Nagashree CC
Yashwini T.P awarded 2nd Prize for
the Paper Leaf Disease detection and Classification based on
Machine Learning from BGSIT, B.G Nagar
in "National Conference on Recent Trends in Engineering" on 5th May 2023 organized by Department of
Mechanical Engineering, Kalpataru Institute of Technology, Tiptur -572201


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