



ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

A Unit of Alva's Education Foundation (R)

(Affiliated to Visvesvaraya Technological University, Belagavi

Approved by AICTE, New Delhi & Recognised by Government of Karnataka)

Shobhavana Campus, Mijar, Moodbidri - 574 225, Mangalore, D.K., Karnataka State.

Phone : 08258-262724 (O), 262725 (P), Telefax:08258-262726

Email : principalalet08@gmail.com, Web:www.alet.org.in Date:

Chief Patron

Dr. M. Mohan Alva
Chairman,
Alva's Education Foundation,
Moodbidri.

Patrons

Sri. Vivek Alva
Managing Trustee,
AIET, Moodbidri.

Dr. Peter Fernandes
Principal, AIET, Moodbidri.

Convener

Dr. Harishanada K S
HOD, Dept. of ME, AIET.

Coordinator

Dr. Satyanarayan
Mob: +91 9964810960
email: satyan.nitk@gmail.com

To,

Dr. M G Ananda Kumar
Joint Secretary, ICSKC, Bangalore

Dear Sir,

SUB: One Day National Workshop on "Advanced Ceramics for Engineering Applications" on 14th September 2019.


I am happy to inform you that Department of Mechanical Engineering has planned to conduct One Day Workshop on " Advanced Ceramics for Engineering Applications" in association with *Indian Ceramic Society-Karnataka Chapter, Bengaluru* on **14th September 2019** for the benefit of the students, research scholars, faculty from technical institutes to upgrade and share their knowledge.

Institute will support for travel expenses (bus fare) and lodging (at institute cottage) for invited speakers (4 to 5). Please find the enclosed herewith tentative agenda.

Kindly consider our request and depute speakers.

Thanking you,

With warm regards


27.7.19
Dr. Harishanada K S
HOD, Dept. of ME, AIET
H. O. D.

Dept. Of Mechanical Engineering
Alva's Institute of Engg. & Techn
Mijar, MOODBIDRI - 574 225



**ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY, MOODBIDRI
DEPARTMENT OF MECHANICAL ENGINEERING**

**ONE DAY WORKSHOP ON
ADVANCED CERAMICS FOR ENGINEERING APPLICATIONS**

Program Agenda

Venue: MBA Seminar Hall, AIET, Moodbidri

8 AM Onwards	Registration
10.00AM-10.30 AM	Inaugural Session Chief Guest : Dr. Mohan Alva Chairman, Alva's Education Foundation Guests of Honour: Sri. Vivek Alva Management Trustee, Alva's Education Foundation President: Dr. Peter Fernandes, Principal, AIET Convener: Dr. Harishanand K S, HOD, ME

WORKSHOP SCHEDULE

Venue : MBA Seminar Hall, AIET

14 September, 2019

8.30AM - 10.0AM	Registration cum breakfast
10.00 AM-10.20 AM	Inauguration
10.20AM-11.20AM	Technical Talks by
11.20 PM-12.15PM	Technical Talk 1
12.15PM - 1.10PM	Technical Talk 2
1.10PM - 2.15PM	Technical Talk 3
2.15PM - 3.30PM	Lunch
3.30 PM-4.30PM	Technical Talk 4
4.30PM - 5.00PM	Technical Talk 5
	Valedictory


H. O. D.

**Dept. Of Mechanical Engineering
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225**

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING
ONE DAY WORKSHOP ON
Advanced Ceramics for Engineering Applications
21st September 2019



REGISTRATION DETAILS (Internal Faculty)

SL.NO.	PARTICIPANT NAME	Amount	Signature	
1.	Prof. K.V. Suresh	500/-		SMB
(2.)	Dr. Satyanarayan	—	—	
3.	Prof. Harish K	500/-		SMB
4.	Prof. Veerendra Kumar	500/-		paid.
5.	Prof. Sharathchandra Prabhu	500		*
6.	Prof. Yogish Rao	500/-		*
7.	Prof. G.B. Vaggar	500/-		SMB.
8.	Prof. Hemanth Suvarna	500/-		SMB
9.	Prof. Suresh P. S	500/-		SMB
10.	Prof. Sadashiv M.B	500/-		SMB
(11.)	Prof. Kiran C.H.	—	—	
12.	Prof. Pramod V. Badyankal	500/-		SMB.
13.	Prof. Kumara Swamy M.C	500		SMB.
14.	Prof. Gopal Krishna U.B	500/-		paid
15.	Prof. Ganesh M.R	500/-		SMB
16.	Prof. Deepak Kothari	500/-		MEM SMB
17.	Prof. Praveen K.C	500/-		SMB
18.	Prof. Srinivas C.S.	500/-		SMB.
19.	Prof. Pramod Kumar N.	500/-		SMB.
20.	Prof. B G Keshavanth	500/-		SMB
	Prof. Sagar B.S	500/-		SMB
	Prof. Sreekanth M P	500/-		SMB.
	Prof. Sudheer P N	500/-		SMB
	Prof. Abhijith	—	—	



INSTITUTE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING
ONE DAY WORKSHOP ON
Advanced Ceramics for Engineering Applications
21st September 2019

EXTERNAL
REGISTRATION DETAILS (Students)

Sl No	Name	Contact Number	Amount	Signature
1	RAHUL ALVA, K.G	9686925899	200/-	Rahul ✓
2	PANNAGA K.S. MAYYA	7892170528	200/-	Pannaga ✓
3	PANIRAJ THANTHRY	9480495227	200/-	A ✓
4	PRADEEM	8050129094	200/-	Pradeem ✓
5	SHUBHAKARA BHAT	8762868372	200/-	Shubh ✓
6	K. Natarajesh	7259135541		
6	SHIVAPRASAD. Y	9901192675	200/-	Shiv ✓
7	RAHUL. P.	8549811209	200/-	Rahul ✓
8	Jayaram Bhat		500/-	
09	Shankarappa Kalgudi		500/-	
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

To,

The Principal
AIET, Mijar

Respected Sir,

Sub: Account details of One Day National Workshop on "**ADVANCED CERAMICS FOR ENGINEERING APPLICATIONS**" held on 21st September 2019.

(1). Amount sanctioned.....	10,000 = 00
(2). Advance amount taken from the College	10,000 = 00
(3). Registration fee collected from the participants (Cash).....	31,100 = 00
(Rs.500 for external delegates, Rs.200 for students, research scholars Total no. of participants = 121)	
TOTAL	41,100 = 00

EXPENSES – paid by the Department of Mechanical Engineering

(1). Remuneration to the resource person (6 Vouchers)..... (-Dr.S. Shyama Rao -Dr.C D Madhusoodana -Dr. Dinesh Rangappa -Dr.R. Ramachandra Rao Sri Sagiraju Chandra Shekar And Dr. M G Anandakumar) Travel from Bangalore City to Airport (Tickets and Hand Receipt).....	15,000 = 00 3,000 = 00
	18,000 = 00
(2). Brochure printing charge (Qty:50), (Makha Enterprises) (Bill no 250).....	840=00
(3). Flower bouquet, (Bill no 150)....	320 = 00
(4). Workshop Kit and Certificate Prints (150 Files,150 Scribbling pads, 150 Certificates &150 pens) (Bill no 306).....	5,264 = 00
(5). Water bottle (U like juice corner Bill no 76).....	180 = 00
(6). Banners (Qty 2 3x4 size) (New Durga). (Bill no 1415).....	500= 00
(7). Lunch (Jain Caterers Cash Memo).....	10,000 = 00
(8). Evening Tea and Biscuits for the participant (Kitchen Express Cash Memo and Bill no 110421 & Alvas cafeteria cash Memo).....	1,358=00

(9). Printing charges for Invitation (Cash Memo).....	96=00
(10). Lunch and Refreshment for Resource Persons (Bill no 12905 and 12935)	946=00
(11). Breakfast for resource persons on 21 st September 2019.....	280=00
TOTAL	37,704 = 00

Total Expenses towards workshop..... = Rs. 37,704

Balance refunded to A/C section..... (Rs 41,100 - 37,704) = Rs. 3,396=00

[Signature]
Coordinator

(Dr. Satyanarayan)

[Signature]
5/10/19

[Signature]
H.O.D.
H.O.D.
Dept. Of Mechanical Engineering
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

REGISTRATION DETAILS

Delegates	Mode of payment	Amount x Delegate No	Total
External faculty	by Cash	2 X 500	1,000=00
External Students	by Cash	7 X 200	1,400=00
Internal students	by Cash	91 X 200	18,200=00
Internal faculty	by Cash	21 X 500	10,500=00
Total			31,100=00

[Signature]
H.O.D.
H.O.D.
Dept. Of Mechanical Engineering
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

[Signature]
Principal
PRINCIPAL
Alva's Institute of Engg. & Technology,
Mijar, MOODBIDRI - 574 225, D.K

Rs Rs 3396/- on 11/10/2019 *[Signature]* - original bills received.
Received.





One Day National Workshop
on

"Advanced Ceramics for Engineering Applications"
on 21st September 2019.



Jointly organized by Department of Mechanical Engineering,
Alva's Institute of Engineering and Technology (AIET) Moodbidri
and

Indian Ceramic Society Karnataka Chapter

Programme Schedule

TIME, HRS	EVENT
08.30 – 09.00 AM	REGISTRATION
09.00 – 9.30 AM	INAUGURATION <u>Chief Guest</u> Dr. S. Shyam Rao Chairman-ICSKC & Sr. Vice President, Industrial Ceramics Division, M/s.Carborundum Universal (CUMI), Hosuru. <u>Guests of Honor</u> Dr. M Mohan Alva Chairman, Alva's Education Foundation®, Moodbidri Mr. Vivek Alva Managing Trustee, Alva's Education Foundation®, Moodbidri <u>President</u> Dr. Peter Fernandes, Principal, AIET
9.30 – 10.15 AM	"Engineered Ceramics: Materials & Manufacturing" -Dr.C D MADHUSOODANA
10.15 – 10.30 AM	BREAK
10.30 – 11.15 AM	"Advanced Technical Ceramics – Manufacturing & Applications" - Dr.S. SHYAMA RAO
11.15 – 12.00 PM	"Ceramic Materials for Dental and Biomedical Applications" -Dr.R. RAMACHANDRA RAO
12.00 – 12.45 PM	Development of Value Added Ceramics from Industrial Solid Waste" DR. M G ANANDAKUMAR
12.45 – 02.00 PM	LUNCH BREAK & VISIT to Labs
02.00 – 02.45 PM	"Importance of Selection, Installation and Dry out of Refractories for Performance" SRI SAGIRAJU CHANDRA SHEKAR
02.45 – 03.15 PM	"Synthesis and Processing of Nano-structured Ceramic Materials for Energy, Health and Environmental Application" -DR. DINESH RANGAPPA
03.15 – 04.00 PM	OPEN DISCUSSION & CLOSING FORMALITIES
04.00 – 04.30 PM	"COFFEE/ TEA BREAK



ALVA'S EDUCATION FOUNDATION®

MOOBBIDRI - 574 227, D. K.

DEBIT / CREDIT VOUCHER

No.

Date: 21.9.2019

SL No	Particular	College	Dr	Cr
	Honorary		2000 = 00	
	Others		500 = 00	
	Total		2,500 = 00	-

Rupees:

Two thousand five hundred rupees only

Narration: Above cited amount paid to "Dr. R. Ramachandra Rao", sr. Principal Scientist, Materials Science Division, NAL, Bangalore towards delivering the technical talk during the workshop on "Advanced Ceramics for Engg Applications" organised by Dept. of Mechanical Engg on 21/9/19

Prepared By

Principal

A O

F O

Receiver's/Remitter's Signature



ALVA'S EDUCATION FOUNDATION®

MOOBBIDRI - 574 227, D. K.

DEBIT / CREDIT VOUCHER

No.

Date: 21.9.2019

SL No	Particular	College	Dr	Cr
	Honorary		2,000 = 00	
	Others		500 = 00	
	Total		2,500 = 00	-

Rupees:

Two thousand Five hundred rupees only

Narration: Above cited amount paid to "Dr. C D Madhusoodana", Additional GM, CET (R&D), BHEL Bangalore towards delivering the technical talk during the workshop on "Advanced Ceramics for Engg Applications" organised by Dept. of Mechanical Engg on 21/9/19

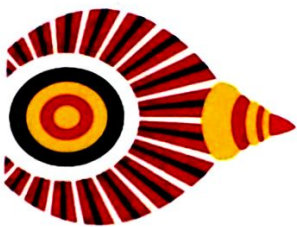
Prepared By

Principal

A O

F O

Receiver's/Remitter's Signature



ALVA'S
Education Foundation®

In association with



Indian Ceramic Society
Karnataka Chapter (ICSKC)
Bangalore

Chief Patron

Dr. M. Mohan Alva
Chairman, AEF, Moodbidri.

Patrons

Mr. Vivek Alva
Managing Trustee, AIEET, Moodbidri.

Dr. Peter Fernandes
Principal, AIEET, Moodbidri.

Convener and Coordinator

Dr. Satyanarayan
Mob: 9964810960
satyaa.nitk@yahoo.com
satyaa.aiet@aiet.org.in

Organizing Committee

Prof. K V Suresh
Prof. Harish K
Prof. Sadasiv Bellubbi
Prof. Srinivas C S
Prof. Pramod K N
Prof. Praveen K C
Prof. Sreekanth M P
Prof. Sudheer P N

Alva's INSTITUTE

Alva's Institute of Engineering and Technology (AIEET) is a preeminent Engineering Institute of Alva's Education Foundation established in the year 2008. Approved by All India Council for Technical Education, New Delhi and affiliated to Visesvaraya Technological University, Belgaum, Karnataka. AIEET is located adjacent to Moodbidri-Mangalore National road, which is 24 Kms from Mangalore International airport. It has a lush green surrounding as part of the Alva's Shobhavana campus which has more than two thousand variety of herbal plants. International and National Conferences are held on regular basis on different themes. More than 80 Guests lectures conducted every year spanning from current topics in each field to specialised topics from experts. E-learning enabled through EDUSAT training programme in association with ISRO. AIEET has signed MOU's with Kumamoto University, Japan and European Universities. Live projects and internships in every semester help students to bridge the industry-academic gap. In short, AIEET is synonymous with discipline, punctuality, humility and fulfilment.

COURSES OFFERED

•Mechanical Engineering •Civil Engineering •Computer Science & Engineering •Electronics & Communication Engineering •Information Science & Engineering •Master of Business Administration •M.Tech. in — Thermal Power Engineering

— Computer Science & Engineering

— VLSI Design & Embedded system

Alva's Education Foundation



One Day National Workshop

on

Advanced Ceramics

for

Engineering Applications

21st September 2019



Organized by

Department of Mechanical Engineering

Alva's Institute of Engineering and
Technology, India

IN ASSOCIATION WITH

Indian Ceramic Society

Karnataka Chapter, Bengaluru

Website : www.aiet.org.in

Department of Mechanical Engineering was established in the year 2008 with an intake of 60 and has enhanced to 180 from academic year 2012-13. The Post Graduate course, M.Tech in Thermal Engineering was introduced from the academic year 2012-13. The intake of 18 students. Department is recognized as a research center by VTU. Department is actively involved in Curricular and Co-curricular activities in associations with professional bodies. The department is to provide academic excellence, knowledge and skill development to the students in the area of Mechanical Engineering. The department has started Bio Diesel research testing centre in the campus to explore in the area of Alternative Fuels.

Department vision is to develop Quality Mechanical Engineers to meet the ever growing and ever changing needs of the economy. To strive hard in inculcating students with best knowledge and latest skills to ensure competitive edge in the current standard. The Department is committed to provide high quality technical education at undergraduate and post graduate level by means of state of art curriculum with best teaching-learning process. Dedicated continuously to develop the overall personality of the students through comprehensive scheme to co-curricular and extracurricular activities.

BOUT WORKSHOP

The main endeavor of one day national workshop on "Advanced Ceramics for Engineering Applications" is to bring together the institute-industry-academia establishments and distinguished experts in the field of ceramics, glass and advanced materials. This will facilitate towards the organization of sophisticated advanced technologies especially related to ceramics. The present workshop is a joint effort of Department of Mechanical Engineering, Alva's Institute of Engineering and Technology (ET), Moodbidri and Indian Ceramic Society, Karnataka Chapter (SKC), Bangalore.

Highlights:

- To expose faculty, scholars and students to the recent developments in Advanced Ceramics.
- Accelerating the development of new ceramic materials.
- Understanding rare events in ceramic microstructures.
- High Temperature Ceramics for engineering applications.
- Smart Ceramics.
- Ceramic Filters for pollution control.
- High performance and Energy Efficient Refractors.

RESOURCE PERSONS

Dr. S. Shyam Rao
Chairman-ICSKC & Sr. Vice President, Industrial Ceramics Division, M/s Carborundum Universal (CUMI), Hosur.

C. D. Madhusoodana
Joint Secretary (ICSKC), Additional General Manager, Indian Ceramic Technological Institute, Bengaluru

Dr. S. S. Chandrasekhar
Senior Principal Scientist, Materials Science Division, M/s. NAL, Bengaluru

Dr. Dinesh Rangappa
Secretary-ICSKC, Professor & Chairman, Department of Nanotechnology, M/s. VTU, Maddurahalli Campus, Chickaballapur

Sri S. Chandrasekhar
Vice Chairman-ICSKC and Proprietor, M/s. Refractories & Services, Bengaluru

Dr. M. G. Anandakumar
Joint Secretary, ICSKC and Joint Director-Training, CPRI, Bengaluru

ELIGIBILITY FOR PARTICIPATION

Program is open to all students, research scholars, industrialists and teaching faculty from technical, science institutes in the Department of Mechanical/Production/Manufacturing/Material Science and related disciplines.

REGISTRATION FEE

Rs. 200/- for students, **Rs. 500/-** for research scholars, faculty from academic institutions and industries. Demand Draft should be drawn in favor of "The Principal, AIET, Mijar," payable at Moodbidri, Mangalore.

ACCOMMODATION

Limited accommodation can be provided to outstation participants on shared basis in the hostel on prior request with nominal pay.

HOW TO REGISTER

Registration form is available in the brochure or can be downloaded from the College website. The completed form should be sent to the following address. Also scanned copy of the form and DD may be forwarded to the mail ID given below.

Dr. Satyanarayana

Workshop Coordinator

National Workshop on

Advanced Ceramics for Engineering Applications

Department of Mechanical Engineering

Alva's Institute of Engineering & Technology

Mijar, Moodbidri - 574225, Karnataka

satyaa.nitk@yahoo.com

satyaa.aiet@aiet.org.in

Telephone No : 08258-262725

9964810960

Fax : 08258-262726

IMPORTANT DATES

Last date for receiving application

15 September 2019

Last date for confirmation of Participation

16 September 2019



ONE DAY NATIONAL WORKSHOP ON ADVANCED CERAMICS FOR ENGINEERING APPLICATIONS
21st September 2019



Registration form

1. Name : _____
2. Designation : _____
3. Qualification : _____
- (Degree, Specialization)
4. Experience : _____
5. Institution : _____
6. Whether the college is Affiliated to VTU : Yes / No

7. Address for communication:

Phone: _____
Mobile: _____
Email Id (compulsory): _____

8. Payment Details:

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

Signature of the applicant

SPONSORSHIP CERTIFICATE

M/s./Mr./Dr./Prof. _____ is a bonafide teacher/employee of our college/company. He/She is sponsored to attend One day workshop on "ADVANCED CERAMICS FOR ENGINEERING APPLICATIONS" on 21 September 2019.

Date:

of the Principal/Officer

Signature



DEPARTMENT OF MECHANICAL ENGINEERING

To,
The Principal
AIET, Mijar

Date: 1/7/2019

Respected Sir,

Sub: Budget plan for the one Day National Workshop on "Advanced Ceramics for Engineering Applications" to be held on 31st August 2019- reg.

21st September 2019

Sl. No	Descriptions	Amount
1	Resource Persons (5Nos.) Remuneration	NIL
2	Resource Persons (5Nos.) Travel allowance by Bus	10,500=00
3	Boarding and Lodging for Resource Persons with food	2,000=00
4	Printing of Brochures 100 Copies x Rs. 30 (approx)	3,000=00
5	Postal Charges 100 Copies x 5 Rs(approx)	500=00
6	Break fast + Lunch + Evening Tea for the participants 100 Numbers	10,000=00
7	Printing of Certificates	1,500=00
8	Folders , Pen , Scribbling Pad etc	1000=00
9	Banners 4 Nos.	2000=00
10	For Stage arrangement (Water Bottles, Bouquet, Flowers, Oil, Xerox, etc)	500=00
11	Mementos 2no.	2000=00
12	Miscellaneous	2000=00
Total		35,000 =00

Coordinator

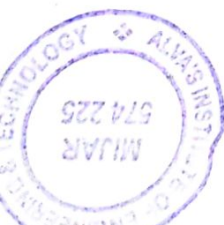
Dr. Satyanarayan

HOD

Dr. Harishanand K

Principal

Dr. Peter Fernandes



ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

Shobhavana Campus, Mijar, Moodbidri – 574 225

(Unit of Alva's Education Foundation®, Moodbidri)



Cordially invite you to the

**One Day Workshop
on
"Advanced Ceramics for Engineering Applications"**

Chief Guest

Dr. S. Shyam Rao

Chairman-ICSKC & Sr. Vice President
Industrial Ceramics Division
M/s.Carborundum Universal (CUMI), Hosuru.

Guests of Honor

Dr. M Mohan Alva

Chairman, Alva's Education Foundation®, Moodbidri

Mr. Vivek Alva

Managing Trustee, Alva's Education Foundation®, Moodbidri

President

Dr. Peter Fernandes

Principal, AIET

We solicit your gracious presence

Date: 21 SEPTEMBER 2019 Time: 09.30AM Venue: MBA SEMINAR HALL

HOD & Staff, Department of Mechanical Engineering



ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

A Unit of Alva's Education Foundation (R)

(Affiliated to Visvesvaraya Technological University, Belagavi

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Email : principalaiet08@gmail.com, Web:www.aiet.org.in

Chief Patron

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AIET, Moodbidri.

Dr. Peter Fernandes
Principal, AIET, Moodbidri.

Convener and Coordinator

Dr. Satyanarayan
Mob: +91 9964810960
email: satyaa.nitk@yahoo.com
satyaa.aiet@aiet.org.in

Date: 05-09-2019

To,

Dr. M G Ananda Kumar
Joint Secretary, ICSKC / Joint Director-Training, CPRI
Bengaluru

Dear Sir,

SUB : One Day National Workshop on
"Advanced Ceramics for Engineering Applications"
21st September 2019.


I am happy to inform you that Department of Mechanical Engineering has planned to conduct One Day National Workshop on "Advanced Ceramics for Engineering Applications" in association with Indian Ceramic Society-Karnataka Chapter, Bengaluru on 21st September 2019 (Saturday) for the benefit of the students, research scholars, faculty from technical institutes to upgrade and share their knowledge.

We are happy to invite you as a resource person to deliver a Technical Talk on 21st September 2019.

Kindly accept our request.

Thanking you,

With warm regards


Dr. Satyanarayan
HOD, Dept of ME


Dr. Peter Fernandes
PRINCIPAL

Dept. Of Mechanical Engineering, Alva's Institute of Engg. & Technology,
Alva's Institute of Engg. & Technology, Mijar, MOODBIDRI - 574 225, D.K.
Mijar, MOODBIDRI - 574 225

ONE DAY NATIONAL WORKSHOP ON
ADVANCED CERAMICS FOR ENGINEERING APPLICATIONS
21 SEPTEMBER 2019

Report in Brief



Department of Mechanical Engineering, Alva's Institute of Engineering and Technology (AIET), In Association With Indian Ceramic Society, Karnataka Chapter (ICSKC), Bengaluru Chapter, organized One Day National workshop on "*Advanced Ceramics for Engineering Applications*" on 21 September 2019 (Saturday).



ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
Shobhavana Campus, Mijar-574225, Moodbidri, Dakshina kannada,
Karnataka, INDIA

Dr. S. Shyam Rao, *Chairman-ICSKC*, Dr. C. D. Madhusoodana, *Past Chairman-ICCKC*, Dr. R. Ramachandra Rao, *Sr. Principal Scientist, NAL*, Dr. Dinesh Rangappa, *Secretary –ICSKC*, Sri S. Chandrashekar, *Vice Chairman-ICSKC*, Dr. M G Anandakumar, *Joint Secretary, ICSKC* were grace the occasion.

The program started at 10.00 AM in the Main seminar hall, MBA block, Prof. K V Suresh, Dept. of Mechanical Engg, AIET welcomed one and all present. Principal *Dr. Peter Fernandes* presided over the occasion. Mr. Pramod Kumar V B, Assistant. Professor anchored the event entire session.

In an inaugural address, Dr. S. Shyam Rao, Chairman-ICSKC said, engineering materials such as metals, ceramics, composites, polymers and nano materials/composites etc., are important in everyday life because of their versatile structural properties. He also spoke that, vital properties to be considered for the selection of ceramic materials are mechanical, electrical, thermal, magnetic and optical properties. However, selection of ceramic materials for use at elevated temperatures and/or temperature changes require an engineer/researcher to know and understand their thermal properties. Professor stresses that, it is important to know and understand the thermal properties of engineering materials especially ceramics, because thermal expansion is the root cause for thermal stresses. Inturn thermal stresses are leading to failure of engineering structures at elevated temperatures. Hence, understanding the thermal properties of ceramic materials will help us to choose the right materials to manage heat flows. The Presidential remarks were given by Dr. Peter Fernandes, Principal, AIET and program was concluded by Vote of Thanks by workshop coordinator Dr. Satyanarayan, Associate Professor and Head, Dept. of Mechanical Engg, AIET.



Talk : “Advanced Technical Ceramics – Manufacturing and Applications” –
Dr. S. Shyam Rao
Chairman-ICSKC & Sr. Vice President, Industrial Ceramics Division,
M/s.Carborundum Universal (CUMI), Hosuru.



Talk : “Development of Value Added Ceramics from Industrial Solid Waste” –
Dr. M G Anandakumar
Joint Secretary, ICSKC and Joint Director-Training, CPRI, Bengaluru



Talk : “Importance of Selection, Installation and Dry out of Refractories for Performance”

Sri S. Chandrashekar
Vice Chairman-ICSKC and Proprietor,
M/s. Refractories & Services, Bengaluru



Talk : “Ceramic Materials for Dental and Biomedical Applications”–

Dr. R Ramachandra Rao
Senior Principal Scientist, Materials Science Division,
M/s. NAL, Bengaluru



Talk : “Synthesis and Processing of Nano-structured Ceramic Materials for Energy, Health and Environmental Application”–

Dr. Dinesh Rangappa

Secretary -ICSKC, Professor & Chairman,

Department of Nanotechnology, M/s. VTU ,Muddenahalli Campus, Chickaballapur



**Presentation of memento to Resource Persons by Prof. Yogish Rao, Prof. K V Suresh
Prof. S C Prabhu and Prof. G B Vaggar**



Presentation of memento to Dr. Dinesh Rangappa by Prof. Harish K



Interaction Session



Group photo with Resource Persons



Faculty with Resource Persons