

Alva's Institute of Engineering & Technology

Shobhavana Campus, Mijar, Moodbidri, D.K - 574225

Phone: 08258-262725, Fax: 08258-262726

Ref no.ME-2019-20

Date: - 02-09-2019

From,

H.O.D Department of Mechanical Engineering AIET, Mijar, Moodbidri

To,

IQAC Chairman AIET, Mijar, Moodbidri

Respected sir

Subject:- Proposal for Conduction of one day National Workshop on "Advanced Ceramics for Engineering Application"- reg

We hereby proposed to conduct one day National Workshop on "Advanced Ceramics for Engineering Application" to all teaching staff of various academia, industry persons and also research scholars on 21st September 2019.

Kindly permit us to conduct workshop.

Thank you

Your's sincerely

_H.O.D. Dept. Of Mechanical Engineering 4Iva's Institute of Engg. & Technology Mijar, MOODBIDRI - 574 225

PRINCIPAL

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



Alva's Institute of Engineering & Technology

Shobhavana Campus, Mijar, Moodbidri, D.K - 574225

Phone: 08258-262725, Fax: 08258-262726

Ref no.ME-2019-20

Date: - 17-09-2019

Circular

This is inform that Department of Mechanical Engineering is organizing one day National Workshop on "Advanced Ceramics for Engineering Application" on 21st September 2019. All are hereby instructed to attend the same without fail.

H. O. D.

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

Alva's Institute of Engg. & Technologic Mijor. MOODBIDRI - 574 225, D.K

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

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 and Coordinator

Dr. Satyanarayan Mob: +91 9964810960 email: satyaa.nitk@yahoo.com satyaa.aiet@aiet.org.in Date: 05-09-2019

To,

Dr. R Ramachandra Rao,

Senior Principal Scientist, Materials Science Division, M/s. NAL, 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. SatyanDayan Dept. QODeDephiofiMEngineering Alva's Institute of Engg. & Technology Mijar, MOODBIDRI - 574 225

Dr. Petel Kernandes Prificipa PAL Live's Institute of Engg. & Technology, Litier, MOODSIDRI - 574 225, D.K.



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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,

Workshop Day National One "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.

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With warm regards

Dr. Satyanarayan HOD, DaptoofME

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Mijar, MOODBIDRI - 574 225

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Convener and Coordinator

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

Date: 05-09-2019

To,

Dr. Dinesh Rangappa,

Secretary -ICSKC, Professor & Chairman, Department of Nanotechnology, M/s. VTU, Muddenahalli Campus, Chickaballapur, Dear Sir,

> National SUB : One Day Workshop "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.

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With warm regards

Dr. Sattanara an

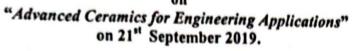
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atva's Institute of Engg. & Technology, Institute of Engg. & Technology, Majur, MOODBIBRI - 5/4 225, D.K. Milar, MOODSIDRI - 574 225



One Day National Workshop

on





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	
08.30 - 09.00 AM	EVENT
	REGISTRATION
09.00 - 9.30 AM	INAUGURATION
	Chief Guest
	Dr. S. Shyam Rao
	Chairman-ICSKC & Sr. Vice President, Industrial Ceramics
	Division, M/s.Carborundum Universal (CUMI), Hosuru.
	Guests of Honor
100 - 100	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
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
	"Importance of Selection, Installation and Dry out of Refractories for
02.00 - 02.45 PM	Performance"
	SRI SAGIRAJU CHANDRA SHEKAR
10.15.77.5	"Synthesis and Processing of Nano-structured Ceramic Materials for
02.45 - 03.15 PM	Energy, Health and Environmental Application"
	-DR. DINESH RANGAPPA
	-DR. DIVESTICATION & CLOSING FORMALITIES
03.15 - 04.00 PM	OPEN DISCUSION & CLOSING FORMALITIES
04.00 - 04.30 PM	"COFFEE/ TEA BREAK



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 Sign:			
1.	Prof. K.V. Suresh	500/-	Oral	smB
2.)	Dr. Satyanarayan	300)	ga	<u>مانج</u>
.3.	Prof. Harish K	500/-	4	sms
4.	Prof. Veerendra Kumar	500/-		paid
5.	Prof. Sharathchandra Prabhu	500	Der	*
6.	Prof. Yogish Rao	5001-	YAY	*
7.	Prof. G.B. Vaggar	3001-	gung	SMB.
8.	Prof. Hemanth Suvarna	5001-	A P	SMB
9.	Prof. Suresh P. S	5001-		smB
10.	Prof. Sadashiv M.B	5001-	Sodashol	sme
(11.)	Prof. Kiran C.H.		_	
12.	Prof. Pramod V. Badyankal	5001-	0	SMB
13.	Prof. Kumara Swamy M.C	500	10	S08
14.	Prof. Gopal Krishna U.B	50d-	nco.	pai
15.	Prof. Ganesh M.R	5001-	July	SmB
16.	Prof. Deepak Kothari	5001-	8.	sm
17.	Prof. Praveen K.C	5ml-	PIRE	Sw0
18.	Prof. Srinivas C.S.	5017-	CS. S	
19.		5001-	121	smi
20.	Prof. B G Keshavanth	500 -	W	Smi
	Prof. Sagar B.S	500-	CSS.	SM
	Prof. Sreekanth M P	500/-	Box	smi
	Prof. Sudheer P N	5001-	894	sm!
	Prof. Abhijith		_	

S INSTITUTE OF ENGINEERING & TECHNOLOGY DEPARTMENT OF MECHANICAL ENGINEERING

ONE DAY WORKSHOP ON

Advanced Ceramics for Engineering Applications 21st September 2019

REGISTRATION DETAILS (Students)

		COUNTRALION DETAIL	S (Students)	
SI No	Name	Contact Number	Amount	Signature
1	RAHUL ALVA. K.G	9686925899	200/-	Palathe -
2	PANNAGA KS. MAYYA	7892170528	2001-	Dane Jane
3	PANIRAT THANTHRY	9480495227	2001-	A 1-
4	PRADEEM	8050129094	200/-	Brack.
5	SHUBHAKARA BHAT	8762868372.	2001-	surk -
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Alva's Institute of Engineering & Technology Shobhavana Campus, Mijar, Moodbidri, D.K - 574225 Phone: 08258-262725, Fax: 08258-262726

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.

Sl. No	Descriptions	Amount
1	Resource Persons (5Nos.) Remuneration	NIL
2	Resource Persons (5Nos.) Travel allowance by Bus	10,5 00=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,	500=00
11	Flowers, Oil, Xerox, etc) Mementos 2no.	2000=00
11		2000=00
12	Miscellapeous	35,000 =00

Coordinator

Dr. Satyanarayan

HOD

Dr. Harishanand K.S.

Dr. Peter Fernandes

20,000:

Dramodation

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)	2,200
TOTAL	41,100 = 00

EXPENSES - paid by the Department of Mechanical Engineering

(1). Remuneration to the resource person (6 Vouchers)	15,000 = 00
Ramachandra Rao Sri Sagiraju Chandra Shekar And Dr. M G Anandakumar)	
Travel from Bangalore City to Airport (Tickets and Hand Receipt)	3,000 = 00
	18,000 = 00
(2). Brochure printing charge (Qty:50), (Makha Enterprises) (Bill no 250)	840=00
(4). Workshop Kit and Certificate Prints (150 Files, 150 Scribbling pads, 150	320 = 00
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 Biscuts 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 21st September 2019	280=00
TOTAL	<u>37,704 = 00</u>

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

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

Coordinator

(Dr. Satyanarayan)

H.O.D.
Dept. Of Mechanical
Or. Satyanaraya

Dent. Of Mechanical Engineering Alva Sinstitute of Engineering Mijar, MOODBIDRI - 574 225

REGISTRATION DETAILS

Delegates	Mode of payment	Amount× 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
Internal faculty	Total		31,100=00

Dept. Of Mechanical Engineering Alva's Institute of Engg. 8, Technology Mijar, MOODBIDRI - 574 725 PRINCIPAL

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

ALVA'S EDUCATION FOUNDATION®

MOODBIDRI - 574 227, D. K.

DEBIT/CREDIT VOUCHER

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Materials Science Division, NAL Bengalulu towards delivering the technical tak during the worlds on "Advancedgeramics for Engr Applications" organised by Delting Me hanical Engl on 21/9/19

repared By

PATROIPINCIPAL

FO

Receiver's/Remitter's Signature

Dept. Of Mechanical English to the of Engg. & Technology, Alva's Institute of Engg. & Thiller, MOODBIDRI - 574 225, D.K.

Mijar, MOODBIDRI - 57 - 220



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MOODBIDRI - 574 227, D. K.

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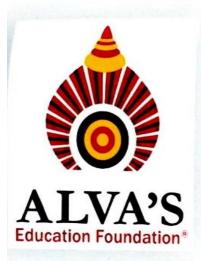
Narration: Above cited amount paid to "br. CD Madhuso adana", Additional GM, CIT (RASD), BHEL

Bungaluy towards delivering the technical talk dury the workchop on " Advanced Ceramics for Engy Applications" organized by Pept of Me January Engy on 11/9/19

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In association with



Indian Ceramic Society arnataka Chapter (ICSKC) Bangalore

Chief Pauron

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

Patrons

Mr. Vivek Alva
Managing Trustee, AIET, Moodbidri.

Dr. Peter Fernandes
Principal, AIET, 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. Sadashiv Bellubbi

Prof. Srinivas C S

Prof. Pramod K N

Prof. Praveen K C

Prof. Sreekanth M P

Prof. Sudheer PN

H INSTITUTE

Ingineering and Technology (AIET)

is a orem r 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 Visvesvaraya Technological University, Belgaum, Karnataka. AIET 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. Elearning enabled through EDUSAT training programme in association with ISRO. AIET 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, AIET 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 P. Engineering was introduced from the academic year 2012 intake of 18 students. Department is recognized as a reserve.

VTU. Department is actively involved in Curricular and activities in associations with professional bodies. The pearly the department is to provide academic excellence, knowledge academic alent 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 of meet the ever growing and ever changing needs of the economy. To trive hard in inculcating students with best knowledge and latest skills to insure competitive edge in the current standard. The Department is committed to provide high quality technical education at under graduate and post graduate level by means of state of art curriculum with best eaching-learning process. Dedicated continuously to develop the overall ersonality of the students through comprehensive scheme to contricular and extracurricular activities.

BOUT WORKSHOP

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

hlights:

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 permance and Energy Efficient Refractoris.

RESOURCE PERS

Dr. S. Shyam Rao

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

C. D. Madhasoodana

hormonic ICCKC. Additional General Manager, ramic Technological Institute, Bengaluru

Researchandra Rao

Scnior Principal Scientist, Materials Science Division, M/s. NAL, Bengaluru

Dr. Dinesh Rangappa

Secretary -ICSKC, Professor & Chairman, Department of Nanotechnology, M/s. VTU ,Muddenahalli Campus, Chickaballapur

Sri S. Chandrashekar

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 in stitutes 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.

ACCOMODATION

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. Satyanarayan

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	1	:

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

As/Mr/D	r/Prof.							_	
s a bor	nafide	teac	her/er	nploy	ee	of	our	co	lege
ompany.									
vorkshop									
ENGINE									
2019.									

Date:

Signature

of the Principal/Officer



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

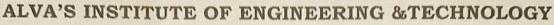
Dr. Peter Fernandes

Principal, AIET

We solicit your gracious presence

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

HOD & Staff, Department of Mechanical Engineering



Shobhavana Campus, Mijar, Moodbidri, D.K - 574225 Phone: 08258-262725, Fax: 08258-262726

Department of Mechanical Engineering

FEEDBACK FORM

1. Topic of the workshop: "Advanced Ceramics for Engineering application"
DATE: 21/09/2019

Please give feedback on how well this session met its objectives, indicate your response by putting check mark to relevant box

SI. No.		Poor	Fair	Good	Very	Excellent
		1	2	3	4	5
1 Relevance of the topic in today's scenario			18%	45%	37 %	
2	Clarity of the presentation			23%	43%	34%
3	The presentation contained Practical examples & useful techniques that can be applied to current work			33%	52%	15%
4	The visual aids were effective				43%	57%
5	The resource person was knowledgeable about the topic & any related issues			12%	49%	39%
6	Resource person clarified all queries			10%	71%	19%
7	How was your overall experience			3%	33%	64%

Any other comments: Participants had few queries regarding maintenance of regular lab.

Action Taken: all queries were answered by the resource persons.

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

Shobhavana Campus, Mijar, Moodbidri – 574225, Mangalore, D.K.

(AN ISO 9001:2008 Certified Institution)

(A Unit of Alva's Education Foundation ®, Moodbidri.

DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

This is to certify that

Mr. / Dr. / Mrs. / Ms. Phareen K.C. of Alva's Institute of Engl 4 Tech. Mood Sidvattended the

ONE DAY NATIONAL WORKSHOP ON

ADVANCED CERAMICS FOR ENGINEERING APPLICATIONS

held on 21st September 2019

Dr. Satyanarayan Convener and Coordinator

Dr. S Shyam Rao Chairman, ICSKC



Shobhavana Campus, Mijar-574225, Moodbidri, Dakshina kannada, Karnataka, INDIA

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).



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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.



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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



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

Sri S. Chandrashekar

Vica Chain and Dry out of Refractories for Performance

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



Shobhavana Campus, Mijar-574225, Moodbidri, Dakshina kannada, Karnataka, INDIA



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



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



Interaction Session



Group photo with Resource Persons



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Faculty with Resource Persons