

**HKE'S**  
**PDA College of Engineering, Kalaburagi-585102**  
**Department of Ceramics And Cement**  
**Technology**

**Details of One day International Seminar Organized  
by Dept. of Ceramic & Cement Technology**

1. Title of the Seminar: ADVANCES IN MATERIALS TECHNOLOGY
2. Date of the Seminar: 24<sup>th</sup> August 2019
3. Number of Participants: 100
4. Sponsored by: TEQIP-III, MHRD, Govt. of INDIA
5. Resource persons Details:
  - i. Dr. Purushottam Joshi, Fellow International Iberian Nanotechnology Laboratory, Protugal
  - ii. Dr. Balaram Sahu, Asso. Prof. Materials Research Center, IISc Bangalore.
  - iii. Dr. Shrikanth V, Asst. Prof. Department of Mechanical Engineering, IIT Dharwad.
  - iv. Mr. MD. Adnan Hassan, JRF, ISRO Bangalore.
  - v. Mr. Inyalot Jude Tadeo, Reserch scholar at IISc Bangalore.



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HYDERABAD KARNATAKA EDUCATION SOCIETY'S

## POOJA DODDAPPA APPA COLLEGE OF ENGINEERING

KALABURAGI - 585 102 - KARNATAKA  
(An Autonomous Institution, Affiliated to VTU, Belagavi)

# TEQIP-3

MHRD, Govt. of India Sponsored

One Day International Seminar on

## ADVANCES IN MATERIALS TECHNOLOGY

24<sup>th</sup> AUGUST, 2019

PDA Auditorium, SAC Building, PDACE Campus Kalaburagi

Organized by

DEPARTMENT OF CERAMIC & CEMENT TECHNOLOGY

PDA College of Engineering  
Kalaburagi

### REGISTRATION DETAILS:

Registration fee: Rs. 100/- for participants of non TEQIP Institution.

Rs 500/- for participants from industry

No Fees for participants of TEQIP Institution.

### Mode of Payment

Payment can be made by DD in favor of "Principal PDA College of Engineering, Kalaburagi" payable at Kalaburagi.

### Note:

- No TA & DA will be paid for participants.
- The number of participants is limited to 120.
- Selection will be done on first-come-first-serve basis

### Accommodation:

As the institute is within the city limits and surrounded by many lodges. Participants have to make their own arrangements for lodging and Boarding. A working lunch will be provided during the programme.



### About the Institution

Poojya Doddappa Appa College of Engineering, Kalaburagi was the first institution established by the Hyderabad Karnataka Education Society in 1958 by Sri. Mahadevappa Rampure, with an aim to impart quality education to the youth of Hyderabad Karnataka region.

The institute has grown leaps and bounds and at present offers 11 UG programmes, 10 PG programmes and 12 Research centers. The institute is one among nine Institutions identified by Ministry of ITBT, Govt. of Karnataka for setting-up Incubation Centre. The institute is declared as the best NAIN Centre for submitting ten innovative projects for 2016.

The college has acquired autonomous status for both UG and PG programs since 2007-08 and is one among six colleges in Karnataka State to acquire the autonomous status for both UG and PG programs. The college is one among 14 colleges selected under TEQIP scheme, sponsored by World Bank. The college is selected for TEQIP-III as Mentoring Institution for BIET, Jhansi by NPIU New Delhi.

### About the Department

The department of Ceramic and Cement technology was established in 1981 with vision to provide learned and skilled engineers and provide a exciting learning environment in the field of ceramic and cement technology to serve the local and global industries and institutes. Since inception department has created more than 500 graduates who are serving premier industries, to name a few BHEL, corning glass, JSW, ACC, Ultratech, Shree Cements, Saint-Gobin, Johnson, Bharat potteries, etc. Recently our department has started a post-graduate course during the year (2014-15) which offers interdisciplinary Master of technology in Material science and Technology, to encourage B.E. graduates of various disciplines

### About International Seminar

The purpose of this One-Day International Seminar is to bring awareness on current research in Materials Technology and its usage in different applications for taking up research work among the UG and PG Students of various discipline.

This Seminar will provide an interdisciplinary platform to bring together Industry experts, researchers and academicians to present and exchange the ideas of the latest industry advancements, practices, expectations and prepare students for meeting the industry requirements.

### Resource Persons

Eminent speakers from industries and Premier institutions and R & D's

- Dr. Purushottam Joshi, Fellow International Iberian Laboratory, Portugal
- Dr. Balaram Sahu, Asso. Prof. Materials Research Center, IISc Bangalore
- Dr. Shrikanth V, Asst. Prof. Department of Mechanical Engineering, IIT Dharwad.
- Mr. MD. Adnan Hassan, JRF, ISRO Bangalore

### Who Can attend

Faculty members, Research scholars and PG students from department of Ceramic & Cement Technology, Mechanical, Automobile, IPE, Chemical, Aeronautical, Material Science, Metallurgy, Textile } departments of engineering colleges and industry persons working in materials technology field.

Important Date: Last date for Registration: 23 August 2019. (Scanned copy of registration form and DD can be sent to: pawan.rangdal@gmail.com)

Address for Correspondence: Dr. Baburao N. Sherikar & Mr. Pawan D. Rangdal Department of CCT, PDA College of Engg., Kalaburagi-585102 - Mobile: 9845687785, 8147753771 - Email: hodcct@pdaengg.com

### Chief Patron:

- Dr. Bhimashankar C. Bilgundi, President, HKE Society, Kalaburagi

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- Dr. Shivanand S. Devarmani, Vice-President, HKE Society, Kalaburagi
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- Er. Nitin B. Jawali, GC Member, HKE Society, Kalaburagi
- Er. Satischandra C. Hadagalimath, GC Member, HKE Society, Kalaburagi

### Organizing Chair:

- Dr. S. S Hebbal, Principal, PDA College of Engineering, Kalaburagi

### Advisory Committee:

- Dr. Arun M. Umarji, Prof Materials Research Center, IISc Bangalore
- Dr. C.D. Madhusoodana, AGM, Ceramic Technological Institute, BHEL Bangalore
- Dr. Arjun Dey, Scientist, Advance Materials Processing Section, ISRO Bangalore
- Dr. V. D. Mytri, Vice chancellor, Sharanbasva University, Kalaburgi
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- Dr. Virupaxi Auradi, Asso. Prof., Dept. of Mechanical Engineering, SIT Tumkur
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- Prof. Sharan Padshetty, Coordinator, TEQIP-III, PDACEK
- Dr. A.K. Nigam, Coordinator, TEQIP-III, BIET, Jnansi (UP)
- Dr A. D. Hiwarkar, Asso. Prof. Dept. of Chemical Engineering, BIET, Jnansi (UP)
- Dr. Sanjay Agrawal, Prof. Dept. of Mechanical Engineering, BIET, Jnansi (UP)
- Dr. Mahadevappa Gadge, Professor and Training - Placement Officer, PDACEK
- Dr. John U. Kennedy, Prof. Dept. of CCT, PDACEK
- Dr. Praveen Hunguntkar, Prof and HOD Mechanical Engineering, PDACEK
- Dr. S.S. Patil, Prof. Dept. of Mechanical Engineering, PDACEK
- Dr. Prashant Kamble, Prof. Dept. of IPE, PDACEK

### Organizing Team:

- Dr. Shridhar Pande, Asso. Prof. Dept. of CCT, PDACEK
- Dr. Sharnabasappa B. Patil, Prof. and P.G. Coordinator MST, Dept. of CCT, PDACEK
- Dr. Veeresh P. Mallapur, Asst. Prof. Dept. of CCT, PDACEK
- Prof. Gundu G. Kolkur, Asst. Prof. Dept. of CCT, PDACEK
- Prof. Hansraj Sahu, Asst. Prof. Dept. of CCT, PDACEK

### Convener :

- Dr. Amaresh Raichur, Professor & Head, Department of CCT, PDACEK

### Coordinators :

- Dr. Baburao N. Sherikar, Asso. Prof. Dept. of CCT, PDACEK
- Prof. Pawan D. Rangdal, Asst. Prof. Dept. of CCT, PDACEK

**TEQIP-III Sponsored**  
**One-Day International Seminar on**  
**"ADVANCES IN MATERIALS TECHNOLOGY"**  
**On**  
**24<sup>th</sup> August 2019**

## Summary of One Day International Seminar

The first session of the lecture began with Dr. Balaram Sahoo who explained in detail magneto rheological fluids and the materials synthesis and characterization of materials for increase in shear strength with increase in viscosity with respect to application of magnetic field.

The second lecture of pre lunch session was on experimental data analysis by Dr. Shrikant V. of mechanical engineering department from IIT Dharwad. who explained data generation its importance with respect to real time data collection data analysis and studies using simple graphs where X-Axis is the cause and Y-Axis as the effect which we always assumed it to be used on dependent function on an independent variable, he made it very lively by involving the audience and made it interactive and fun filled.

Later we moved on to a very important, eagerly awaited activity of lunch which I hope is enjoyed by our participants, we kept it light as working lunch as we didn't want it to start working on you and push to a post lunch nap.

Our proud alumini Dr. Purushottam Joshi from Portugal spoke on nanotechnology and its applications and I think there is no need for me to tell you how the field of nanotechnology will make our lives ahead comfortable, energy efficient, eco friendly, economically viable or affordable and with nonmaterial's in various field of application Mr. Inyalot Jude spoke beautifully on smart windows for energy conversation UV radiation reduction and regulated heat loss for better energy efficiency using chromogenic materials which change their response to external stimuli, active smart glasses with partial suspended devices,

Even though his pronunciation appeared bit unusual and different, he justified his lecture by substantiating it with very clear PPT's of mechanism, synthesis of  $\text{VO}_2$  using different methods,  $\text{V}_2\text{O}_5$  XRD's, optical characterizations structural characterization etc.

Mr. Adnan Hasan from ISRO Bangalore spoke on evolution of silica aerogel as thermal insulation for aerospace applications. I feel he is enjoying the space environment, with facilities from ISRO mimicked to the closest level.

Very clear, informative lecture by Mr. Adnan on aerogel, synthesis and characterization aspects of silica aerogels, BET analysis etc.

**Outcome of the seminar:** At the outset the seminar was highly fruitful to the students of masters degree in science(Physics and Chemistry) PG students of Materials Science and Technology, UG student and faculty members of ceramic engineering and chemical engineering.

The seminar provided a platform to all participants to keep themselves abreast with latest trends and advancements in the materials research and development. Students had a chance to interact with the speakers for inspiration to take up career in materials research.





**ಕಾರ್ಯಾಗಾರ** ಸ್ಕಾರ್ಟ್‌ಪೂಣ್, ದೂರದರ್ಶನ, ಗಣಕಯಂತ್ರದ ಕುರಿತು ಒಂದು ದಿನದ ವಿಚಾರ ಸಂಕರಣ

# ತಾಂತ್ರಿಕ ಬದಲಾವಣೆಗೆ ಸಂಶೋಧನೆ ಕಾರಣ

**• ಕನ್ನಡಪ್ರಭ ವಾರ್ತೆ ಕಲಬುರಗಿ**

ಅಧುನಿಕ ಜಗತ್ತಿನ ವಿಸ್ಮಯಗಳಾದ ಸ್ಕಾರ್ಟ್ ಪೂಣ್, ದೂರದರ್ಶನ, ಗಣಕಯಂತ್ರದಲ್ಲಿ ಅಗುತ್ತಿರುವ ಬದಲಾವಣೆಗೆ ವಸ್ತುಗಳ ಬಗ್ಗೆ ನಡೆಯುತ್ತಿರುವ ಸಂಶೋಧನೆಯೇ ಮೂಲ ಕಾರಣ ಎಂದು ಬೆಂಗಳೂರಿನ ಐಐಎಸ್‌ಸಿಯ ಸಂಶೋಧಕ ಡಾ. ಬಲರಾಮ ಸಾಹು ಹೇಳಿದರು.

ಅವರು ಇಂದು ಇಲ್ಲಿನ ಪಿಡಿಎ ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯದ ಸಿರಾಮಿಕ ಹಾಗೂ ಸಿಮೆಂಟ್ ಟೆಕ್ನಾಲಜಿ ವಿಭಾಗವು 'ವಸ್ತುಗಳ ವಿಜ್ಞಾನ ಹಾಗೂ ತಂತ್ರಜ್ಞಾನದಲ್ಲಿನ ಈಚಿನ ಬೆಳವಣಿಗೆಗಳು' ಎಂಬ ವಿಷಯದ ಮೇಲೆ ನಡೆಯಿಸಿದ ಒಂದು ದಿನದ ಅಂತಾರಾಷ್ಟ್ರೀಯ ವಿಚಾರ ಸಂಕರಣವನ್ನು ಉದ್ಘಾಟಿಸಿ ಮಾತನಾಡಿದ ಅವರು, ಟೆಕ್ನೊಲಜಿ ಪ್ರಾಯೋಜಿಸಿದ್ದ ಈ ಒಂದು ದಿನದ ವಿಚಾರ ಸಂಕರಣವು ವಸ್ತು ವಿಜ್ಞಾನದ ಬೆಳವಣಿಗೆ ಹಾಗೂ ಸಂಶೋಧನಾ ಚಟುವಟಿಕೆ ಬಗ್ಗೆ ಸಮಗ್ರ ಮಾಹಿತಿ ಒದಗಿಸಿತು. ಭಾಗವಹಿಸಿದ ನಾನಾ ಸಂಶೋಧಕರ ವಿಚಾರ ವಿನಿಮಯಕ್ಕೆ ವೇದಿಕೆಯಾಗಿತ್ತು.

ಗೌರವ ಅತಿಥಿಗಳಾಗಿ ಆಗಮಿಸಿದ ಫೋರ್ಬ್ಸ್ ರಾಷ್ಟ್ರದ ಬ್ಯಾಗ್ ಮೂಲದ ಐಬಿಇಯನ ಸಂಶೋಧನಾ ಸಂಸ್ಥೆಯ

ವಿಜ್ಞಾನಿಗಳಾದ ಭಾರತೀಯ ಮೂಲದ ಡಾ. ಪುರಷೋತ್ತಮ ಜೋಶಿ ನ್ಯಾನೋ ಕಣಗಳು ಹಾಗೂ ನ್ಯಾನೋ ವಸ್ತುಗಳ ಸಮಗ್ರ ಮಾಹಿತಿ ಒದಗಿಸಿದರು. ಉಂಗಾಡಾ ಮೂಲದ ವಿಜ್ಞಾನಿ ಇನ್-ಯಾ-ಲೋಟ್ ಜೂಡ್ ಟ್ಯಾಡಿಯೋ ಅವರು ಸ್ಕಾರ್ಟ್ ವಿಂಡೋ ವಸ್ತುಗಳ ಮೇಲೆ ತಮ್ಮ ಪ್ರಬಂಧ ಮಂಡಿಸಿ ನಮ್ಮ ಮಹಾವಿದ್ಯಾಲಯದ ಯುವ ಸಂಶೋಧಕರಿಗೆ ನಾನಾ ಸಂಶೋಧನಾ ಕ್ಷೇತ್ರದ ಮಾಹಿತಿ ಒದಗಿಸಿದರು.

ಐಐಟಿ ಧಾರವಾಡದ ಸಹ ಪ್ರಾಧ್ಯಾಪಕ ಡಾ. ಶ್ರೀಕಾಂತ್ ಅವರು ಎಕ್ಸ್‌ಪೆರಿಮೆಂಟಲ್ ಡೇಟಾ ಎನಲಿಸಿಸ್ ಬಗ್ಗೆ ತಮ್ಮ ಪ್ರಬಂಧ ಮಂಡಿಸಿದರು. ನಮ್ಮ ಮಹಾವಿದ್ಯಾಲಯದ ಹಳೆಯ ವಿದ್ಯಾರ್ಥಿ ಹಾಗೂ ಭಾರತೀಯ ಬಾಹ್ಯಾಕಾಶ ಸಂಶೋಧನಾ ಸಂಸ್ಥೆಯ ಸಂಶೋಧಕ ಮಹಮ್ಮದ್ ಅಜ್ಜಾನ ಹುಸನ್ ಅವರು ಬಾಹ್ಯಾಕಾಶ ಉಪಗ್ರಹದ ಉಷ್ಣತಾ ನಿರ್ವಹಣೆ ಬಗ್ಗೆ ಸಂಪೂರ್ಣ ಮಾಹಿತಿ ಒದಗಿಸಿದರು.

ಮಹಾವಿದ್ಯಾಲಯದ ಪ್ರಾಚಾರ್ಯರಾದ ಡಾ. ಎಸ್.ಎಸ್. ಹೆಚ್ಚುಳ ಅವರು ತಮ್ಮ ಭಾಷಣದಲ್ಲಿ ಪಿಡಿಎ ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯದ ಈಚೆಗೆ ನಡೆಯುತ್ತಿರುವ ಸಂಶೋ

ಧನಾ ಅಭಿವೃದ್ಧಿ ಕಾರ್ಯಗಳ ವಿವರಣೆ ನೀಡಿ ಮಹಾವಿದ್ಯಾಲಯದಲ್ಲಿ ವಿದ್ಯಾರ್ಥಿಗಳ ಸಮಗ್ರ ಅಭಿವೃದ್ಧಿಗಾಗಿ ನಾನಾ ತಾಂತ್ರಿಕ ಯೋಜನೆ ಆಯೋಜಿಸಿದ್ದು, ವಿದ್ಯಾರ್ಥಿಗಳು ತಮ್ಮ ಸಂಶೋಧನಾ ಕಾರ್ಯದತ್ತ ಕೇಂದ್ರಿತ ವಾಗಿದ್ದು, ಹೊಸ ಅವಿಷ್ಕಾರ ಮಾಡಬೇಕೆಂದು ಹೇಳಿದರು. ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ ಟೆಕ್ನೊವಾ 3 ರ ಸಂಚಾಲಕ ಪ್ರೊ. ಶರಣ ಪಡೇಶೆಟ್ಟಿ, ಹೈಕೆ ಶಿಕ್ಷಣ ಸಂಸ್ಥೆಯ ಕಾರ್ಯದರ್ಶಿಗಳಾದ ಡಾ. ನಾಗೇಂದ್ರ ಮಂಠಾಳೆ, ಅಡಳಿತ ಮಂಡಳಿ ಸದಸ್ಯ ಉದಯಕುಮಾರ್ ಎಸ್. ಚಿಂಟೋಳೆ, ಡಾ. ಶರಣಬಸಪ್ಪಾ ಕಾಮರಾಜ್ ವೇದಿಕೆ ಮೇಲೆ ಉಪಸ್ಥಿತರಿದ್ದರು.

ವಿಭಾಗದ ಮುಖ್ಯಸ್ಥರಾದ ಡಾ. ಅಮರೇಶ ಆರ್. ಸಂಯೋಜಕರಾಗಿದ್ದು, ಡಾ. ಬಾಬು ರಾವ್ ಸೇರಿಕಾರ ಮತ್ತು ಪವನ ರಂಗದಾಳ ಇವರು ಸಂಚಾಲಕರಾಗಿ ಕಾರ್ಯನಿರ್ವಹಿಸಿದ್ದರು. ವಿಭಾಗದ ಡಾ. ಜಿ.ಎನ್.ಯು. ಕೆನಡಿ, ಡಾ. ಮಹಾದೇವ್ ಗಾಡಗೇ, ಡಾ. ಎಸ್.ಬಿ. ಪಾಟೀಲ, ಪ್ರೊ. ವಿಲೇಶ ಮಲ್ಲಾಪುರ, ಪ್ರೊ. ಗುಂಡು ಕೋಕೇರ, ಪ್ರೊ. ಹಂಸರಾಜ್ ಸಾಹು, ಗುಲ್ಬರ್ಗಾ ವಿವಿ ಪ್ರೊ. ವಿ.ಎಸ್. ಜಾಲಿ, ಮುಖ್ಯಸ್ಥರು, ಡೀನ್, ವಿದ್ಯಾರ್ಥಿಗಳು ಭಾಗವಹಿಸಿದ್ದರು.

ಎಂದು ಅಖಿಲ ಭಾರತ ಪರಿಷತ್ ನೇತೃತ್ವದಲ್ಲಿ ವಿದ್ಯಾ ಪ್ರತಿಭಟನೆ ನಡೆಯಿತು.

**ವೈದ್ಯರ** 2019/2/10

**• ಕನ್ನಡಪ್ರಭ ವಾರ್ತೆ ಕಲಬುರಗಿ**

ನಗರದ ಬಸವೇಶ್ವರ ಸ್ವಾಮಿ ದಲ್ಲಿ ಮೂತ್ರ ಕ್ರಮ ಮತ್ತು ಶಸ್ತ್ರಚಿಕಿತ್ಸಾ ಕೇಂದ್ರ ಕಾರ್ಯನಡೆಯಿತು.

ಹೈದರಾಬಾದ್ ಕರ್ನಾಟಕ ಸಂಸ್ಥೆಯ ಮಹಾದೇವಪ್ಪ ವೈದ್ಯಕೀಯ ಮಹಾವಿದ್ಯಾಲಯದ ಬಸವೇಶ್ವರ ಚಿಕಿತ್ಸಾ ಕೇಂದ್ರದ ಅಧ್ಯಕ್ಷ ಸಾಮಾನ್ಯ ತಜ್ಞ ವೈದ್ಯರ ಸಂಘದ ಸಹ ನಡೆದ ಕಾರ್ಯಾಗಾರದ ಸಮಾರಂಭದ ಅಧ್ಯಕ್ಷತೆ ವಹಿಸಿದ ಬಾಬ್ ಕರ್ನಾಟಕ ಶಿಕ್ಷಣ ಡಾ. ಭೀಮಶಂಕರ ಸಿ. ಬಿಲ್ಲದ್ದರು. ಬೆಂಗಳೂರಿನ ವೆ.ಡಾ. ಸಂಜಯ್ ದೇಶಪಾಂಡೆ ಮತ್ತೆ ಚಾಲನೆ ನೀಡಿದ ದೇವಪುರಾಂಪುರ ವೈದ್ಯಕೀಯ ವಿದ್ಯಾಲಯದ ಪ್ರಾಚಾರ್ಯ ಉಮೇಶ್‌ಚಂದ್ರ, ಬಸವೇಶ್ವರ

