



**INTERNATIONAL SYMPOSIUM
ON
RECENT CHALLENGES IN ENGINEERING
(ISRCE 2019)**

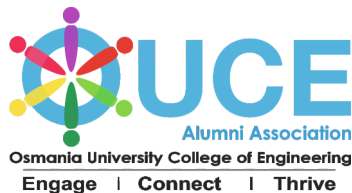


21-22 December 2019

In Honor of
Prof. S. Ramachandram, Former Vice-Chancellor (OU)
on the occasion of his superannuation

University College of Engineering (A)
Alumni Association, OUCE

Organized by



Supported by



**VSSUT , Burla
(Mentee Institution)**

TEQIP-3
Technical Education Quality Improvement Programme

Osmania Engineer



Alumni Association University College of Engg., OU

UNIVERSITY COLLEGE OF ENGINEERING

The University College of Engineering (UCE) has the distinction of being one of the oldest and the biggest among the Engineering Colleges of the country. Established in the year 1929, eleven years after the formation of Osmania University, it was the 6th Engineering College to be established in the whole of British India. The College moved to its present permanent building in the year 1947. Today it is the biggest among the campus colleges of Osmania University. The Golden Jubilee of the College was celebrated in 1979, the Diamond Jubilee in 1989 and the Platinum Jubilee in 2004. The College was made autonomous in 1994. The College offers four-year engineering degree courses leading to the award of Bachelor of Engineering (B.E.) in Biomedical Engineering, Civil Engineering, Computer Science and Engineering, Electrical and Electronics Engineering, Electronics and Communications Engineering and Mechanical Engineering. The College also offers Post Graduate Programmes and Ph.D in the various branches of Engineering. As of today, there is a yearly intake of 320 undergraduate students (full-time) and 290 postgraduate students (full-time, part-time). There are 143 teaching staff members, including 40 professors.

OUCE ALUMNI ASSOCIATION

Once the University College of Engineering was declared autonomous the idea of having an Alumni Association, whose membership would include all past students of the College and present or past faculty members of the college, gained momentum. Under the dynamic leadership of the then Principal, Prof. D. C. Reddy the first get-together was held on Saturday the 3rd July 1996. After the revival of the Association in 2015 the two subsequent Executive Committees under the leadership of Er. Rammohan Rao, Er. P. Ram Reddy and Dr. D. Vijay Kumar with the support of Patrons, fellow Members, learned Faculty and Students has set out to fulfill the objectives of the Alumni Association. The Association works with the Univ. College of Engineering, University Staff, Students and few of the objectives are:

- Enhance the reputation of the University and OUCE in particular & enrich the emotional bondage amongst the students, faculty and alumni.
- Propose and execute special projects: Buildings, technical projects, seminars, conferences, etc.
- Support meritorious & poor/ economically backward students financially by floating scholarships.
- Inspire and invoke the spirit of innovation among the students leading to finding technical solutions to the problems of the society leading to Patents to students and the College.

To further the objectives of the Association, the Alumni Association has organized an International Conference on Emerging Trends in Engineering (ICETE 2019) successfully. In continuation to give back to its alma matter the association is organizing this first international symposium under its aegis.

ABOUT THE SYMPOSIUM

OUCE Alumni Association (OUCEAA) assures that the alumni are significant stakeholders who can actively participate in the institution's developmental activities. The Alumni Association deems it befitting to give back to the alma mater as a sign of their gratitude and affinity towards the institution. Symposiums like this provide a platform for the alumni to mentor and share the expertise in their respective areas of study. The delegates will get an opportunity to get exposed to leading edge technologies through the pool of alumni talent. This year the International Symposium on Recent Challenges in Engineering (ISRCE) is being organized by OUCEAA in honor of Former Vice-Chancellor, OU, Prof. S. Ramachandram on the occasion of his superannuation. This is to recognize his mammoth contributions as an educator and an administrator. The symposium addresses the state-of-the-art topics from various branches of Engineering.

Biomedical Engineering

1. Topic: Assistive Technologies for Learning Disabilities

Speaker: Dr. H. Sujana, Professor & Head, Dept. of BME, BVRIT Narsapur

2. Topic: Ultrasound in Medicine: Recent Advances in Diagnosis and Therapy

Speaker: Dr. G. Sitaramanjaneya Reddy, Professor, Dept. of BME, Vignans Foundation for Science, Technology & Research University, Guntur

Civil Engineering

1. Topic: Innovations in Design and Construction of Tall Buildings

Speaker: Er. Majid Hashmi, Director, KMH Engineers

2. Topic: Challenges in Construction of Major Irrigation Projects

Speaker: Er. N. Venkateshwarlu, Engineer in Chief, Kaleshwaram Project, I & CAD Department, Govt of Telangana

3. Topic: Sustainable Urban Transport - Metro Rail for Livable Cities

Speaker: Er. Mohd. Ziauddin, Chief Engineer, GHMC

Computer Science & Engineering

1. Topic: Cyber Security and Privacy

Speaker: Dr. Sriram Birudavolu, CEO, Cyber Security Centre of Excellence, Hyderabad, Telangana
DSCI - Data Security Council of India (A NASSCOM Initiative)

2. Topic: Cyber Security and Protection Techniques

Speaker: Dr. Kurra Mallaiah, Scientist, DRDO, Hyderabad

Electrical Engineering

1. Topic: Recent Trends in Indian Power Sector

Speaker: Sri T. Sreedhar, Superintending Engineer, TSTRANSCO, Hyderabad

2. Topic: Campus Energy Management System

Speaker: Dr. Pradeep Kumar Yemula, Assistant Professor, Department of Electrical Engineering, IIT Hyderabad

Electronics & Communication Engineering

Topic: Machine Learning Algorithms in Hardware

Speaker: Dr. Srinivas Katkooi, Associate Professor, Dept. of CSE, University of South Florida, USA

Mechanical Engineering

1. Topic: Applications of Composite Material

Speaker: Dr. N. Kishore Nath, Scientist G & Project Director, ASL, DRDO, Hyderabad

2. Topic: Digital Disruptions: Revolutions in Industrial Solutions

Speaker: Dr. Krishnaiah Jallu, Sr. Manager, Corp R&D, BHEL, Hyderabad

Mining Engineering

1. Topic: Digital Mining is the Future - A Model

Speaker: Mohammed Abdul Khuddus, A Telecom Professional. Worked in AT&T Bell Labs, Alcatel Lucent. Motorola. & Tieto Head, COPART India Private Limited

2. Topic: Challenges of Future Mining Industry – How to Prepare Engineers

Speaker: Dr. Seshadri Sarma Kanchibotla, Principal and Director, Seshat Consultants Pty Ltd

3. Topic: Status and Challenges in Development of UCG in India

Speaker: D. N. Prasad, Former Adviser (Projects), Ministry of Coal, Govt of India
Presently, Adviser (Mining), The Singareni Collieries Company Ltd, Hyderabad

SYMPOSIUM SCHEDULE

21- December – 2019

SESSION 1

Inauguration : 9.30 AM to 10.30 AM

Tea Break

SESSION 2

Technical Presentations : 11.00 AM to 1.00 PM

Lunch Break

SESSION 3

Technical Presentations : 2.00 PM to 3.30 PM

Tea Break

SESSION 4

Technical Presentations : 4.00 PM to 5.00 PM

22 – December – 2019

SESSION 1

Panel Discussion : 10.00 AM to 11.00 AM

Tea Break

SESSION 2

Alumni Meet,
Felicitation & Networking : 11.30 AM to 1.00 PM

Lunch : 1.00 pm onwards

CHIEF PATRONS

Sri Arvind Kumar, IAS
Incharge Vice-Chancellor, OU

Prof. S. Ramachandram
Former Vice-Chancellor, OU

PATRONS

Prof. Ch. Gopal Reddy
Registrar, OU

Prof. Kumar Molugaram
Principal, University College of Engg. (A), OU

Prof. D. C. Reddy
Former Vice-Chancellor, OU

Prof. D. N. Reddy
Former Vice-Chancellor, JNTUH

ORGANISING COMMITTEE

Dr. E. Vidya Sagar, Vice-Principal, UCE, OU
Prof. M. Malini, HOD, BME, UCE, OU
Prof. M. Gopal Naik, HOD, CE, UCE, OU
Prof. P. V. Sudha, HOD, CSE, UCE, OU
Prof. G. Mallesham, HOD, EE, UCE, OU
Prof. B. Rajendra Naik, HOD, ECE, UCE, OU
Prof. P. Ramesh Babu, HOD, ME, UCE, OU
Er. K. J. Amarnath, Mining, UCE, OU
Prof. M. S. Venkatramayya, Mining, MREC
Er. P. Ram Reddy, Past President, AA UCE, OU
Er. Satish Naik, AA UCE, OU
Er. T. Venkatesham, AA UCE, OU
Er. R. Thomas, AA UCE, OU
Er. M. Mahatama Reddy, AA UCE, OU
Dr. K. Pandu, AA UCE, OU
Er. Raikoti Anand Srinivas, AA UCE, OU

Registration Details

Fees:
Corporate/Industry Participants - Rs 3000/-
Faculty - Rs 2000/-
Students (UG/PG/Research Scholars) - Rs 1000/-

Last Date for Registration is 15th December 2019
(Maximum Limited to 50 Participants in Each Stream)

CHAIRPERSONS

Er. R. V. Rammohan Rao
President, Alumni Association UCE, OU

Prof. P. V. N. Prasad
Dean, Faculty of Engg., OU

CONVENERS

Prof. S. Sameen Fatima
General Secretary, Alumni Association UCE, OU

Dr. D. Vijay Kumar
Vice President, Alumni Association UCE, OU

Dr. L. Siva Rama Krishna, ME, UCE, OU

TECHNICAL COMMITTEE

Dr. D. Suman BME, UCE, OU
Prof. K. L. Radhika, CE, UCE, OU
Prof. K. Shyamala, CSE, UCE, OU
Dr. J. Upender, EE, UCE, OU
Prof. P. Chandrashekar, ECE, UCE, OU
Prof. K. Saraswathamma, ME, UCE, OU
Prof. K. Srinivas, HOD, Mining, MREC

DEPARTMENT COORDINATORS

Mr. K. Harish, BME, UCE, OU
Prof. K. L. Radhika, CE, UCE, OU
Prof. K. Shyamala, CSE, UCE, OU
Ms. N. Srilatha, EE, UCE, OU
Dr. D. Ramakrishna, ECE, UCE, OU
Mr. E. Madhusudhan Raju, ME, UCE, OU

For Further Details Contact

Email: isrce.ouce@gmail.com
Call : (+91) 94411 54911, (+91) 94909 46673,
(+91) 90005 44404
URL: www.uceou.edu/isrce2019.html



A University Accredited with A + by the NAAC

Address for Communication

Convener, ISRCE2019
University College of Engineering,
Osmania University, Hyderabad - 500007, Telangana, INDIA