

**International Conference
On
Emerging Research trends In Applied Engineering and Technology
(ICERAT-2016)**

1st And 2nd April 2016

Konkan Gyanpeeth College of Engineering, Karjat

Konkan Gyanpeeth Shaikshnik Sankul, At Vengaon Road, Dahivali/Parade,
Post - Tiware, Tal - Karjat, Dist. Raigad-410 201 M.S. (India)

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Prof. Shiv Prasad Peddi
[AlJouf University, Al Qurayat-75911, kingdom of Saudi Arabia]

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Prof. Jillani Sayed [Asso. Professor LTCOE, Navi Mumbai]

Computer Engineering /Information Technology

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Applied Science/Pharmacy

Prof. Shiv Prasad Peddi
[AlJouf University, Al Qurayat-75911, kingdom of Saudi Arabia]
Dr. M. K. Kale
[Principal, Rahul Dharkar College of Pharmacy and Research Institute Karjat]

Our Source of Inspiration :

Late Hon. Prabhakar Narayan (Appasaheb) Dharkar
(Bsc. Aeronautical Engineering (U.K.)
Founder Chairman, Konkan Gyanpeeth

Conference Chief Patrons:

Smt. Anupama Dharkar Wangdi
(Chairperson, Konkan Gyanpeeth)
Cap. Sariputta Wangdi
(Vice Chairman, Konkan Gyanpeeth)

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In association with
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Indian Society for Technical Education



Konkan Gyanpeeth



ICERAT 2016



University Of Mumbai

VENUE



Konkan Gyanpeeth College of Engineering, Karjat

Konkan Gyanpeeth Shaikshnik Sankul, At Vengaon Road, Dahivali/Parade,
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CONTACT

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09768385970

Prof. Kunal V. Deokar
08976592130

Prof. Shrinivas T. Shirkande
09767097310

About College:

The Engineering College is situated on hillock that maintains fresh atmosphere along with panoramic view of surrounding which remain green in all season. The College is extended in 31 acres, of areas. The college was established by the KONKAN GYANPEETH in the year 1994 at Karjat, District- Raigad, by the visionary Hon. Late P. N. Dharkar, (Aeronautical Engineering in the United Kingdoms & Ex. Minister of Maharashtra Government) with the sole aim of providing high quality education to students in the field of Engineering and Technology. KGCE is surrounded by hill station like Matheren, Khandala, Lonavala, natural waterfalls, caves and Imagica. The environment is very pleasant during rainy season.

How to Reach:

Karjat is in between Mumbai and pune. KGCE is about 3KM from Karjat railway station. The Institute has its own transport Facility.College Buses are avilabel from Karjat (E) railway Station.



About Conference:

Now days, there are many of researches in various field of technology and science. These are beneficial to not only academician but also industrial organization too. The scope of ICERAT-16 is to aim at exploring the interface between the industrial and real time environment with state of the art techniques. ICERAT-16 provide the special platform to present and discuss emerging and recent trends in technology as well as in applied science, research work leading to Ph.D,PG dissertation work.

Sponsorship:

Conference will provide excellent opportunity for Industrial organization, equipment manufacturer public sector undertakings, industrial organizations, equipment manufacturers, entrepreneurs, financial and funding institutions, consulting organizations and construction organizations to publicize themselves by being Platinum / Golden / Silver sponsors or Supporter of the Conference. The sponsorship fees payable and benefits are mentioned below. The name of the sponsors will be included in the list of sponsors and for distribution of proceeeding /brochures

Level	Fees	Benefit (Complimentary included items)
Platinum Sponsor	30000	Full registration for ten delegates, Company name and logo on conference, web Page (linked to the company website) promotion material like proceedings volume, banner/signage, stationary items etc. A full page advertisement in the Souvenir 10 min. time slot for technical presentation in the session of your choice (except inaugural, plenary & valedictory sessions) Distribution of Literature/Brochures
Golden Sponsor	25000	Full registration for seven delegates, Company name and logo on conference, web Page (linked to the company website) promotion material like proceedings volume, banner/signage, stationary items etc. A full page advertisement in the Souvenir Distribution of Literature/Brochures
Silver Sponsor	20000	Full registration for five delegates, Company name and logo on conference, web Page (linked to the company website) promotion material like proceedings volume, banner/signage, stationary items etc. A full page advertisement in the Souvenir Distribution of Literature/Brochures
Supporter	15000	Full registration for three delegates, Company name and logo on conference proceedings volume, A full page advertisement in the Souvenir Distribution of Literature/Brochures

Call For Papers:

We invite papers from the distinguish authors, researchers, students, Faculty members, academicians their unpublished research work & experimental results relating to following unlimited thematic areas:

Electronics/Electronics and Telecommunication /Electrical Engineering

Control technique for 3G and 4G, UWB technique, Antenna System, Signal and Image Processing, Optical communication, Satellite Technology, Wireless networks, Spectral management, cognitive radio Design, Millimeter Wave Technology, Biomedical signal processing, Wavelet and application, communication and RF circuits system, cryptography.

Application and design VLSI, nano fabrication and computing, Integration of electronics System, Smart grid, soft computing techniques in power system, feedback control system, nano-electrical-mechanical system, energy conversation, sensorless control, modeling and control power electronic system, optimization technique in electrical system, motor drives and motion control, analyze and design of electrical machine.

Computer Engineering & Information Technology

Artificial Neural Network And Fuzzy System, Real-Time Computing, Cybernetics, Reconfigurable Computing, High-speed networks Web Services, Network Security. Grid Computing And Image Processing, Distributed Systems and CloudComputing

E-governance Data Mining (Image, Text, Pattern) Knowledge Management, Networks (Wireless Sensor Networks, Mobile Computing, Data Mining), Software Engineering (Metrics, Quality Assurance, Testing), Parallel Computer Architecture, System Security And Hacking, Big data analytics internet of things.

Instrumenatation/Biomedical Engineering :

Advanced Process Control and Instrumentation, Advanced Embedded system and its applications, Industrial networks and Automation, Sensors and Transducers, Virtual Instrumentation, Image Processing, System Modeling & Simulation, Optimization techniques, Educational Instrument & Experimental System, Optical Instrument & Measurement System, Safety Monitoring Instruments and Systems, Fuzzy and Neural Network Systems, Robot design, development and control, Nano technology in instrumentation and measurement. Data acquisition systems, Digital Signal Analysis and Processing, Rehabilitation & Assistive Technologies. Bioinstrumentation. Robotics in Medicine. Biomaterials and Tissue Engineering, Nano-Biotechnology. Biomems, Image processing in biomedical Engineering, Advances in Regenerative Medicine and Stem Cell Engineering, Bio process modeling and simulation, Bio safety and Bioethics.

Mechanical/Production/Civil Engineering

Advanced Manufacturing Processes, Material Science, Machine Design, nano Technology, Automobile Engg., Product Design and development, Mechtronics and robotics, Industrial Engg., CAD/CAM/CIM/CFD, Aerodynamics, Thermal Engg, Heat Transfer, Fluid Mechanics, Refrigeration and Air Conditioning, New Renewable Energy.

Water resources, Disaster Management, Geological and Geotechnical Engineering, Structural Engineering and Disaster Management, Water Purification Technologies, Urban Planning, Energy Economics, Environmental Impact Assessment, Concrete Technologies, Microbial Geotechnics.

Applied Science/Pharmacy

Chemistry, Physics, Applied Mathematics, Quantitative Techniques, Numerical Methods, Random Process, Transform theory, Statistics, Environmental Science

Establishing PK and PD models for antibiotics used in special pediatric population, Characteristics experimental design and its application for clinical studies, population pharma cokinetics in children , especially premature infants, population pharma cokinetics in chemotherapy, novel drug delivery system, pharma cogenomics

Paper Submission Guidelines:

We request the participants to submit research papers on or before the last date of paper Submission. Participants should post their papers on conference email id : **conference2016.kgce@gmail.com**. The papers should be original, expressive and should focus on findings. The Committee will convey the acceptance to the participants before the date of Notification of papers by email.

Other Guidelines for Research Paper:

- 1) The paper is to be typed in English in word file A4 size single column, 12 point, Times New Roman, Single line spacing format.
- 2) The paper should be original and must not have been presented or published or accepted for publication at the time of submission to this conference anywhere else.
- 3) The cover page must include – 'Title of Paper', 'Full Name','Affiliation Address', 'Phone Number and 'email Address'.
- 4) Please download ICERAT-2016 Brochure, Registration Form & details of format from www.kgce.org

Selected Papers will be proceeding in the Following Journals:

Papers will be publish in the conference proceeding (ISBN) and will be available in electronics form at international and national database.

Other than this proceeding on author interest (Depending upon the paper quality) selected paper will be published in following good impact factor, NASS rating as well as Thomas Reuters journals.

Transstellar (tjprc.org) {under TJPRC more than 10 journals are available .This journals having 10th rank in publication in the world, High impact factor, high Indexing NAAS Rating Journals}

IRD (IRD india) {Under IRD more than 5 Journals are available .This Journal ISO 9001:2008,Also accredited Journal }

IIST(IISThub.com) {Under IIST 1 journals Available for Publication}

Important note:

- 1)There is separate fees for journal publication mention as above
- 2)For journal publication author registered to ICERAT-16 is mandatory
- 3)Authors should inform their interest for journal Publication on Conference email id & submit their paper soft copy with contact details.

Registration Details:

1. Last date for Registration : 14th March 2016.
2. The registration form should be download from our website : www.kgce.org
3. The registration fees include the accommodation, only for international delegates.
4. Delegate must be registering your name before the last date of Registration.
5. Registration fee can be Paid through ECS transfer Or Demand draft.

Demand Draft in Favor of "ICERAT KGCE", karjat (payable at Mumbai). Send Your DD and Registration form on mention Postal Address.

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Registration Fees

	Category	Indian Delegates (₹.)	Foreign Delegates (\$)
Author	Delegates from Industry	2500	45
	PG Students/Researchers/Academicians	2000	35
	UG Students	1500	25
Attendees	Delegates from Industry	2000	35
	PG Students/Researchers/Academicians	1500	25
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Application and design VLSI, nano fabrication and computing, Integration of electronics System, Smart grid, soft computing techniques in power system, feedback control system, nano-electrical-mechanical system, energy conversation, sensorless control, modeling and control power electronic system, optimization technique in electrical system, motor drives and motion control, analyze and design of electrical machine.

Computer Engineering & Information Technology

Artificial Neural Network And Fuzzy System, Real-Time Computing, Cybernetics, Reconfigurable Computing, High-speed networks Web Services, Network Security. Grid Computing And Image Processing, Distributed Systems and CloudComputing

E-governance Data Mining (Image, Text, Pattern) Knowledge Management, Networks (Wireless Sensor Networks, Mobile Computing, Data Mining), Software Engineering (Metrics, Quality Assurance, Testing), Parallel Computer Architecture, System Security And Hacking, Big data analytics internet of things.

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Advanced Process Control and Instrumentation, Advanced Embedded system and its applications, Industrial networks and Automation, Sensors and Transducers, Virtual Instrumentation, Image Processing, System Modeling & Simulation, Optimization techniques, Educational Instrument & Experimental System, Optical Instrument & Measurement System, Safety Monitoring Instruments and Systems, Fuzzy and Neural Network Systems, Robot design, development and control, Nano technology in instrumentation and measurement. Data acquisition systems, Digital Signal Analysis and Processing, Rehabilitation & Assistive Technologies. Bioinstrumentation. Robotics in Medicine. Biomaterials and Tissue Engineering, Nano-Biotechnology. Biomems, Image processing in biomedical Engineering, Advances in Regenerative Medicine and Stem Cell Engineering, Bio process modeling and simulation, Bio safety and Bioethics.

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Advanced Manufacturing Processes, Material Science, Machine Design, nano Technology, Automobile Engg., Product Design and development, Mechtronics and robotics, Industrial Engg., CAD/CAM/CIM/CFD, Aerodynamics, Thermal Engg, Heat Transfer, Fluid Mechanics, Refrigeration and Air Conditioning, New Renewable Energy.

Water resources, Disaster Management, Geological and Geotechnical Engineering, Structural Engineering and Disaster Management, Water Purification Technologies, Urban Planning, Energy Economics, Environmental Impact Assessment, Concrete Technologies, Microbial Geotechnics.

Applied Science/Pharmacy

Chemistry, Physics, Applied Mathematics, Quantitative Techniques, Numerical Methods, Random Process, Transform theory, Statistics, Environmental Science

Establishing PK and PD models for antibiotics used in special pediatric population, Characteristics experimental design and its application for clinical studies, population pharma cokinetics in children , especially premature infants, population pharma cokinetics in chemotherapy, novel drug delivery system, pharma cogenomics