



Report of,
ICGCP-2024



**SAPTHAGIRI COLLEGE OF
ENGINEERING**

Bengaluru-560057

An ISO 9001:2015 & ISO 14001:2015 Certified Institution

Accredited by NAAC with "A" grade & Accredited by NBA for ECE, CSE, ISE, ME, EEE



4th INTERNATIONAL CONFERENCE

**Global Convergence in Technology, Entrepreneurship,
Computing & Value Engineering: Principles and Practices**

ICGCP-2024

27-29 April 2024

Brochure

About College

Sapthagiri College of Engineering was established in the year 2001 by Sri Srinivasa Educational and Charitable Trust with a vision to transform the students into competent, inspired and responsible professionals in technical field to fulfill needs of the society. SCE is well known for its academic excellence with well qualified faculty and state of art infrastructure and imbining good moral values, ethical values, success in education and developing leadership qualities among the students.

Vision

To be a Best Institution imparting quality engineering education to deal with community needs through learning and performance.

Mission

- M1 - To implement path breaking student centric education methods
- M2 - To augment talent, nurture teamwork to transform to develop individual as responsible citizen.
- M3 - To educate the students and faculties about entrepreneurship to meet vibrant requirements of the society.
- M4 - To Strengthen Industry-Institute Interaction for knowledge sharing.

All the selected papers will be published in the conference proceedings with ISBN Number

About Institute

Registration Details

- Industry Delegates : INR 1000/-
- Academicians : INR 1000/-
- Research Scholars : INR 1000/-
- Students (Per Author) : INR 300/-
- International Participants : USD 100

Online Payment Details:
Account Name : Sapthagiri college of engineering
Bank Name: State Bank of India
Account Number : 30263521464
IFS Code: SBIN0010499

Timelines for Submission:

Last date for Full Paper submission - 20th April 2024
Paper Notification of Acceptance - 23rd April 2024
E-mail ID : icgcp@sapthagiri.edu.in
Registration Link : <https://forms.gle/vw7FixSKwpsHv3Wa8>

Connect Us

- www.sapthagiri.edu.in
- sce.bengaluru
- sce.bengaluru.5



#14/5, Hesarghatta Main Road, Chikkasandra, Bengaluru, Karnataka -560057

www.sapthagiri.edu.in

REGISTRATION

SAPTHAGIRI COLLEGE OF ENGINEERING
Accredited by National Assessment Accreditation Council (NAAC) with "A" grade
(Accredited by NBA for ECE, CSE, ME, EE)
An ISO 9001:2015 & ISO 14001:2015 Certified Institution
Affiliated to VTU, Bengaluru Approved by AICTE



ICGCP - 2024
27th - 29th April, 2024

In Association with
The Indian Value Engineering Society, IEI, IIIE, CMTI & VTU

International Conference

International conference on
"Global Convergence in Technology,
Entrepreneurship, Computing and
Value Engineering: Principles and Practices"

COMMITTEE

Chief Patrons

Sri. Dayananda G. Chairman, SCE, Bengaluru.
Sri. Manoj, G.D Managing Director, SCE, Bengaluru.
Dr. Vidyashankar, S Vice Chancellor, VTU, Belagavi, Karnataka.
Dr. B.E. Rangaswamy Registrar, VTU, Belagavi, Karnataka.
Dr. T.N. Sreenivasa Registrar (Evaluation), VTU, Belagavi

Patrons

Dr. K.S. Venkateshappa Administrative Officer, SIMS, Bengaluru.
Dr. H. Ramakrishna Principal, SCE, Bengaluru.

Advisory Committee

Dr. B.R. Ravishankar, Chairman, IIIE.
Dr. Naghanumal, Director, CMTI.
Dr. S.N. Sridhara, Vice Chancellor, Hindustan Institute of Technology & Science.
Dr. M.H.Bala Subrahmanya, Professor, IISc, Bengaluru.
Dr. Shashi Jain, Professor, IISc, Bengaluru.
Dr. U. Dinesh Kumar, Professor, IIMB Chair of Excellence.
Mr. Amith Kumar, Vice President & Business Unit Head, Schneider Electric India Pvt. Ltd.
Dr. K.S. Jayanth, Former Principal / Governing Council member, SCE.
Dr. Anita Lukose, Secretary -INVEST South Zone Council.
Mr. Vidyadhar Salimath, Former General Manager, ONGC, Mumbai.

Conference Chair

Dr. H. Ramakrishna, Principal, SCE, Bengaluru.

Conference Co - Chair

Dr. Harish R, Prof & Head, Physics Dept.
Dr. Tulsidas D, Prof & Head, Dept. of ME

Organizing Committee

Dr. H.R. Ranganatha, Professor & Head, Dept. of ISE
Dr. Kamalakshi Naganna, Professor & Head, Dept. of CSE
Dr. Rekha S.N, Professor & Head, Dept. of EEE
Dr. H.C. Sateesh Kumar, Professor & Head, Dept. of ECE
Dr. Tulsidas D, Professor & Head, Dept. of ME
Dr. Rajeshwari R, Associate Professor & Head, Dept. of CV
Dr. Veena S. More, Professor & Head, Dept. of BT
Prof. Parswanath, Professor & Head, Dept. of Mathematics
Dr. R. Harish, Prof. & Head Dept. of Physics & Chemistry

Committee

About Conference

Present global scenario demands unprecedented actions and efforts across multiple convergences of social, economic and environment issues. Science, Technology and Innovations in the area of Internet of Things, Artificial Intelligence, Bio-Technology, Nano Materials and Renewable Energy must play a key role in achieving these goals. Also this is the era of start-ups, to achieve ambitious dream of Make in India concept. With this motive, Sapthagiri College of Engineering, Bengaluru is organizing an International Conference * Global Convergence in Technology, Entrepreneurship, Computing and Value Engineering: Principles and Practices' (ICGCP-2023).

Sub Themes

Computer Sciences ICGCP 1

- Emerging Technologies in AI & ML
- IoT and Neural Networks
- Graph theory in Big data analytics and
- Knowledge Engineering.
- Virtual & Augmented reality
- Artificial intelligence and reasoning

ICGCP 2 Electrical Sciences

- Power system, control system and automation
- Next generation computing in electrical engineering
- Signal Processing.
- Communication Engg and Artificial Intelligence
- VLSI and Embedded Systems
- Value Engineering

ICGCP 3 Mechanical Sciences

- Composite Materials, Thermal science and CFD
- Finite Element Analysis
- Material Science
- Latest trends in Physics
- Nanotechnology/Nanomaterials
- Latest trends in Structural Design
- Construction management
- Advances in water, waste water
- Transportation technology
- Value Engineering

Chemical Sciences ICGCP 4

- Drug design and computational biology
- Green Chemistry & Industrial biotechnology
- Material Science & Nanotechnology
- Plant & microbial secondary metabolites
- Value Engineering

About Conference

About the Speaker

Speaker 1



JAVIER MASINI, CVS, CSSBB, CPCE
Value Analysis / Value Engineering (VA/VE) Study Facilitator

Javier has more than 20 years of experience in value engineering (VE), teardown analysis, Lean Manufacturing, and Six Sigma for the manufacturing and construction industries. He has successfully led VE workshops across the globe for a range of products, specialized equipment and tools, processes, and facilities. Since 2000, Javier has trained more than 2000 professional engineers in Lean Six Sigma systems and VE. He is currently an instructor for the Institute of Industrial and Systems Engineers (IISSE) and SAVE International. He also designed the Lean and Six Sigma public training for the Jalisco State Government. He also created the first value engineering university course in Latin America that was granted official certification from SAVE International. Aside from being a professor in the Engineering Masters at Universidad Panamericana for almost two decades, he is the founding President of the Instituto de Ingenieros Industriales de Occidente - a training agent at Secretaría del Trabajo y Previsión Social (Federal Labor Bureau in Mexico) and has been one of the 15 jurors for the Jalisco's Award to Quality (Premio Jalisco a la Calidad) seven times. Javier has presented at various conferences in the fields of industrial engineering, VE for manufacturing and construction, Lean manufacturing, computer simulation, and statistical process control, as well as collaboration skills for engineers in Mexico, Japan, the US, and Central and South America.

Speaker 2



Mr. Amit Kumar
Vice President and Business Unit Head - Metering and Protection Systems Mysore at Schneider Electric India Private Limited.
Mr. Amit Kumar is the Business Unit Head of Metering and Protection System Schneider Electric India, Mysuru (formerly it was part of Larsen & Toubro's Metering Business unit) the pioneer and market leader in the Metering Industry in India. Mr. Amit Kumar has worked in the industry for more than 25 years. He has previously worked in the mining and electrical industry. He is an Electrical Engineer and holds a Post Graduate Diploma in Marketing Management. He has traveled widely and has delivered lectures in the Domain in more than 12 countries. He is the present Chairman of Indian Value Engineering Society- South Zone (INVEST-SZC).

Program Coordinators

Dr. R. G. Deshpande Associate Professor, Dept. of ME
Mob: 984217187
Prof. A. Dharmadaran Assistant Professor, Dept. of EEE

Program Coordinators (Department)

Dr. A. M. Nagaraj Professor, Dept. of ECE
Prof. Pallavi G.A Assistant Professor, Dept. of CV
Dr. Praveen Kumar K.V Professor, Dept. of CSE
Dr. G. Raghavendra Associate Professor, Dept. of EEE
Dr. Basavaraj Ganiger, Assistant Professor,
Dr. Soumya C Assistant Professor, Dept. of BT
Prof. Vasanth Lakshmi M, Assistant Professor, Dept. of ISE

Speakers

International Conference ICGCP 2024 was organized from 27th to 29th April 2024 at Sapthagiri College of Engineering, Bengaluru. Chief Guests Mr. D K S N Murthy & Mr. P. Arjun Raj, Indian Value Engineering Society (INVEST) Southern Zonal Council Members were present. Principal Dr. H Ramakrishna and Administrative officer, Dr. K.S.Venkateshappa presided over the function. The inauguration commenced with lighting the lamps by dignitaries. More than 300 participants including faculties , Students & Research scholars form all over the state participated in the event.



Principal, Dr.H.Ramakrishna, in his presentation congratulated the department Heads and faculty for hosting the events and congratulated all the participants for their active participation in ICGCP-2024. He introduced the audience about the activities of INVEST and encouraged all the students to be a part of Value Engineering Society by conducting various activities related to product / service functions. He also briefed on the various initiatives of south zone council of INVEST in promoting value Engineering concepts. Also in his talk he highlighted on the activities of Indian Value Engineering Society and clarified that, Value Engineering is not about cost and not only for Engineers, but for every practicing professional. He invited more professionals to become Certified Value Engineers and he offered support in getting certification from south zone. He also expressed his concern on available funds and urged professionals to utilize funds to promote value Engineering. Also he insisted all the students and professionals to take pledge on the occasion to promote Value Engineering and urged to become Certified Value Engineers.



Mr. P. Arjun Raj, Indian Value Engineering Society (INVEST) Southern Zonal Council Executive Member, during his presentation highlighted on the industry requirements for skilled manpower and insisted the participants to acquire necessary skills by undergoing training in latest technologies. He also congratulated the participants of ICGCP 2024 for participating in the conference and insisted them to continue research work in future also. He also highlighted on the latest trends in the area manufacturing, Artificial intelligence and Internet of things and urged the participants to actively participate in learning and developing technologies related.

In his presentation Mr. Javer Masini highlighted on the role of value engineering in new product development by taking real time examples and case studies. He also discussed in detail about Value methodology and its application in new product development. Also he discussed in details about the latest trends / techniques in Value Engineering. Later he highlighted on the case study of German VAVE / VM organization as an exemplary organization



Mr.Amit Kumar, Chairman of Indian value Engg. Society south zone branch in his talk highlighted on the activities of Indian Value Engineering Society and clarified that, Value Engineering is not about cost and not only for Engineers, but for every practicing professional. He invited more professionals to become Certified Value Engineers and he offered support in getting certification from south zone. He also expressed his concern on available funds and urged professionals to utilize funds to promote value Engineering. Also he insisted all the students and professionals to take pledge on the occasion to promote Value Engineering and urged to become Certified Value Engineers.



Administrative officer, Dr. K.S.Venkateshappa during his address congratulated the research and scholars and faculty for actively participating in the conference by presenting their research work. Also he urged and faculty to pursue research work and publish papers in reputed peer reviewed journals and contribute towards self-growth and institution development. He encouraged the faculties and research scholars to make use of the available faculties and latest technologies to publish papers. He insisted the students to publish research papers which will help them in building confidence and resume. And he also congratulated the HOD's and faculty for guiding and encouraging students to prepare and present papers.

Mr. D K S N Murthy member Indian Value Engineering Society (INVEST) Southern Zonal Council introduced the audience about the activities of INVEST and encouraged all the students to be a part of Value Engineering Society by conducting various activities related product / service functions. He also briefed on the various initiatives of south zone council of INVEST in promoting value Engineering concepts. The Vice-chairman also congratulated students for participating in various events and Submitting their posters. He also congratulated the team of INVEST for their efforts in conducting various events and completing the evaluation of all the entries.

