Kagada is an annual technical Paper, Poster and Project presentation contest

conducted by IEEE UVCE. We, at IEEE UVCE, fervently believe that the cause

of furthering technical knowledge cannot be achieved in the class room

alone.

Kagada which was recently conferred the Darrel Chong Platinum Level

Student Activity Award, aims to break the barriers, limitations and the image

of being just a student by encouraging contestants to pursue research at the

Undergraduate level. Kagada provides a conducive platform for vivacious

students to sharpen their technical intellect, presentation skills and exchange

ideas and learn from one another and ultimately become better engineers in

the progress.

***KAGADA 2018*** comprises of five sessions, viz.

· Paper Presentation (UG Students)

· Paper Presentation (PG Students)

· WIE Paper Presentation

· Poster Presentation

· Project Exhibition session `

WIE - Women in Engineering Paper Presentation Session (UG students): A

novel idea, in order to encourage women researchers, KAGADA 2018 would

be hosting an exclusive WIE session, the conditions to participate in this

session are:

· At least one of the authors should be women.

· The oral presentation should be given on the day by the woman author.

***Topics can be chosen from any engineering field. Few***

***topics are listed below, for your reference.***

***Advances in Computing:***

1. Artificial Intelligence and Machine Learning

2. Big data: Storage, Transmission and Mining

3. Disaster Detection and Management Systems

4. Machine Vision and Image Processing

5. Natural Language Processing and Machine Translation

6. Mobile Computing and Wireless Communication

7. Network and Cyber Security

8. Cloud Computing in Science and Engineering

9. Multicore Memory Coherence

10. 3D Imaging Techniques and Multimedia Applications

11. Databases and Information retrieval

12. Graphics, Visualization and Multimedia

13. Software architecture

14. Computer and Information security

15. Bioinformatics and Applications

16. Grid and cluster computing

17. Formal methods and Applications

18. Internet Computing

19. Web- Based System/Technology

20. Image Processing & Pattern Recognition

***Electronics Circuits and systems:***

1. High performance Analog, digital, mixed signal systems and

processor

2. Integrated systems and circuits, ultra-low power VLSI and system on

chip

3. Sensors and Devices

4. Embedded processing and fuzzy systems

***Advanced signal processing:***

1. Image, video, audio and speech coding

2. Biomedical signal processing and biomimetic

3. Brain machine/computer interaction and interface

4. Emerging technologies in DSP

5. Applied signal processing

***Novel research and technology:***

1. Quantum computing

2. MEMS, NEMS sensors and devices

3. Optoelectronics sensors, materials, network and processing

4. Nano photonic devices, system and networks

5. Microwave photonics devices

6. Nano electronics

***Electrical:***

1. Power electronic devices and systems

2. Electromagnetic interference and compatibility

3. Power System Planning and Operation towards a Low-Carbon

Economy

4. Smart DC Distribution Systems

5. Power distribution systems

6. Power Switchgear Technology and Applications

7. HVDC Systems and Technologies

8. Stability and Control of Electric Energy Systems with an Increasing

Level of Non-dispatchable Generating Sources

9. Real-Time Applications of Intelligent Methods in Sustainable Power

and Energy Systems

10. Analysis and Simulation of Very Large Power Systems

11. Synchro phasor Applications in Power Systems

12. Power factor regulation and Harmonic pollution reduction

13. Power management and distribution

14. Sustainable energy and alternative energy resources

15. Electric vehicular technology and automation

***Mechanical:***

1. Thermal and fluid science

2. Engineering Materials

3. Alternative fuel technology

4. Design manufacturing and production development

5. Energy science and engineering

6. Computational fluid dynamics

7. Alternative and sustainable energy system and resources

8. Dynamics, vibrations and acoustics

9. Robotics

***Smart Grid Technology:***

1. Transportation Electrification and Vehicle-to-Grid Applications

2. Cyber, Physical and System Security for Smart Grid Control Theory

and Technology in Smart Grid

3. Energy Storage Applications for Smart Grid

4. Analytics for Energy Forecasting with Applications to Smart Grid

5. Smart Grid Communication Systems: Reliability, Dependability &

Performance

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Please feel free to contact us in case you need more information. You

can write to us at : **kagada.ieeeuvce@gmail.com**

Jishnu S M : +91 73531 20520

Karthik Kolle : +91 83102 58657

Navya G : +91 99869 00194

Shruthi G : +91 87625 74915

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