



International Conference on Advances in Engineering and Management Systems

CAEMS-2024
October 18th-19th, 2024



Work is Worship
Get with a Smile

Supported by:



Confederation of
Education Excellence

Chief Patron

Dr. J.P. Pandey
Vice Chancellor, AKTU

Mr. Vievek Dewan
Chairman, DVSGI, Meerut

Patrons

Col. (Dr.) Naresh Goyal
Executive Director
DVSGI, Meerut

Dr. Shruti Arora
Advisor
DVSGI, Meerut

Convenor

Dr. Shilpi Bansal
Addl. Director (DVSIET)

Co-Convenor

Mr. Shekhar Pundir
HoD - ECE & EED (DVSIET)
+91-7055518889

Program Co-Chairs

Dr. Yogesh Sharma
HoD – CSE (DVSIET)
Mr. Abhishek Gulati
HoD – ME (DVSIET)

Dr. Rajneet Singh
HoD – AS&H (DVSIET)
Mr. Gaurav Kashyap
HoD – CE (DVSIET)

Organizing Secretaries

Mr. Gyanendra Singh
+91-8130204828

Mr. Vikash Bhardwaj
+91-7500004123

Manuscript Submission Information

A manuscript for reviewing purposes needs to be submitted as a single PDF or Word file using the following link:

Submission Link: <https://cmt3.research.microsoft.com/CAEMS2024>

Or through mail caems@dewaninstitutes.org

Address of Communication:

Organizing Secretary, CAEMS-2024

Dewan VS Group of Institutions
Bypass Road, Meerut (U.P.- NCR) INDIA - 250001
Website: caems.dewaninstitutes.com
Email: caems@dewaninstitutes.org
Contact: 7055518889 / 7500004123

Organized by:

**Departments of
Electrical Engineering,
Electronics & Communication Engineering**

**Dewan VS Institute of Engineering &
Technology**

National Committee (TCP):

Dr. D. S. Chauhan, Chancellor, GLA, Mathura
Dr. S. P. Singh, Professor, EE Department, I.I.T. Roorkee
Dr. Bhim Singh, Professor, EE Department, I.I.T. Delhi
Dr. R. P. Maheshwari, Professor, EE Department, I. I. T. Roorkee.
Dr. S. C. Sharma, Professor, I. I. T. Roorkee
Dr. KS Verma, Director, REC, Mirzapur
Dr. Nilendra Badal, Director, REC, Bijnor
Dr. Dharam Buddhi, Vice Chancellor, Uttaranchal University, Dehradun, Uttarakhand
Dr. Parul Gupta, Pro-Vice Chancellor, Modi University, Jaipur
Dr. Sandip Vijay, Director, Tula's Institute, Dehradun, Uttarakhand
Dr. Arun Sharma, Dean Academic Affairs, Indira Gandhi Delhi Technical University for Women, Delhi
Dr. Gagan Singh, Professor & Head (EECE), DIT University, Dehradun, Uttarakhand
Dr. Sheshang Degadwala, HoD (CSE), Sigma University, Vadodara, Gujarat
Dr. Tanupriya Choudhury, Professor, Symbiosis International University, Lavale, Pune, Maharashtra
Dr. Sandeep Sharma, Dean Academics, Dev Bhumi Uttarakhand University, Dehradun, Uttarakhand
Dr. Hemraj Verma, Dean Academic Affairs, DIT University, Dehradun, Uttarakhand
Dr. Gaurav Verma, Research Coordinator, Jaypee University, Noida
Dr. Vishal Jain, Professor, Sharda University, NCR
Dr. Navneet Kumar, Assistant Professor, REC Bijnor
Dr. Divya Tanwar, Director, Sanskriti University, Mathura
Dr. Sudhanshu Joshi, Professor, Doon University, Dehradun
Dr. Sudhanshu Tyagi, Associate Professor, Thapar University, Punjab
Dr. Sudeep Tanwar, Professor, Nirma University, Gujarat
Dr. Anu Chaudhary, HoD, CSE, AKGIT, Ghaziabad
Dr. Bhupendra Sharma, Associate Professor, ABESEC, Ghaziabad
Dr. Garima Verma, Associate Professor, School of Computing, DIT University, Dehradun, Uttarakhand

International Committee (TCP):

Dr. Al-Odeh, Chairman- School of Technology, Eastern Illinois University - USA
Dr. Sheng-Lung Peng, Dean College of Innovation Design and Management, China
Dr. Raghvendra Mishra, Research Scientist, Cranfield University, Milton Keynes, Bedfordshire
Dr. Shakir Khan, Professor, Imam Mohammad Ibn Saud Islamic University, Saudi Arabia
Dr. Roshan Kumar, Associate Professor, Electronic and Information Technology, Henan University, China
Dr. Ajeet Kaushik, Assistant Professor, Florida Polytechnic University, Lakeland, FL – USA
Dr. Marcin Paprzycki, Professor, Systems Research Institute, Polish Academy of Sciences, Poland

About the Institute

Dewan VS Group of Institutions has been in the forefront of various domains of professional education for last 28 years. Being a leading group of institutions in north region, college has contributed to the development and prosperity of the region. A campus with vibrant modern infrastructure provides an excellent environment for learning and other development activities. **DVSGI is a leading techno-management institute offering Undergraduate and Postgraduate programs in several streams of Engineering, IT, Management, Hotel Management, Law and Education.** Institute currently offers 10 Under Graduate and 9 Post Graduate courses, courses are approved by AICTE, NCHMCT, BCI. The years of excellence have propelled us to emerge as a preferred destination for students from various states of India & SAARC countries seeking world-class higher education at affordable cost. Academic growth is the priority of DVSGI and so numerous National and International conferences are periodically organized. **This is one of the oldest self-financed professional institute of UP-NCR which was established in the year 1995.**

A campus with over 6000 students, coached by highly distinguished faculty using the latest teaching aids, excellent hostel facilities, and a vision that drives us to ensure imparting wholesome technical education to our students, is what sets us apart from the run-of-the-mill engineering institutes spread all over the country.

An ultra-vibrant educational oasis located in the NCR region, the 40-acre DVSGI campus provides ample opportunities for students with hands on training and developments as per the recent edge industry trends. A wealth of resources and support services help students get the most out of their time at DVSGI. From first-rate libraries to innovative computer technology, students have access to many tools to explore academic interests. The campus offers diverse resources for the mind, body, and spirit and enough flexibility for students to explore them in their own distinctive ways.

Facts about DVSGI:

Dewan VS Group of Institutions (DVSGI) commitment to internationalization lies at the core of its educational mission to prepare students for citizenship, service, and leadership in a global society. Internationalization with the advent of ICT in education serves as a key element in our continuing pursuit of excellence – in the quality of our teaching and curriculum for this “Academic, Research, Cultural-Collaboration Centre (ARCCC)” was established at DVSGI under the patronage of Shri Vievek Dewan, Chairman - Dewan VS Group of Institutions.

About City

Meerut is a city of the western part of the Indian state of Uttar Pradesh. The city lies 60 km northeast of the national capital New Delhi, within the National Capital Region and it is the Industrial and commercial hub of UP. A host of educational institutions, Sports City add commercial and spiritual dimensions to its character. DVSGI is located at Meerut (Uttar Pradesh State) approximately 60 km Northwest of New Delhi. **The Campus is on Delhi-Dehradun Bypass Road approximately 10 km from the Roadways Bus Stand / Railway Station Meerut.** It can be conveniently reached by car or public transport. Climate of Meerut during conference:

Month	April
Average high °C (°F)	37.6 (99.7)
Average low °C (°F)	26.6 (78.8)
Precipitation mm (inches)	71.2 (2.80)

Call for Papers (CPF)

Papers are invited for presentation at CAEMS-2024 being held at DVSGI, Meerut on October 18th-19th, 2024. Faculty members, researchers, students and industrial delegates are invited to participate in the conference. Submission must be original contributions and should not have been presented or published elsewhere. Initial submission consists of extended abstract. Length of the paper should not exceed more than 6 pages in total. Proper Format should be followed. The templates for extended abstract and Template can be downloaded from the website: www.caems.dewaninstitutes.com

The papers of registered candidates only will be published in the conference proceedings. Original manuscripts in PDF and word docs should be submitted online through email or through post. Selected papers will be published in reputed Journals, based on the recommendation of reviewer and paper must be physically presented in conference.

The department of Electrical Engineering and Electronics & Communication Engineering, Dewan VS Group of Institutions, Meerut is organizing the “**World Conference on Advances in Engineering and Management Systems -2024**” (CAEMS-2024) during October 18th-19th, 2024. The conference will be held in the beautiful and vibrant campus of Dewan VS Group of Institutions, Meerut (UP-NCR) INDIA.

Important Dates:

Paper Submission : 30th June, 2024
Intimation of Acceptance : 10th August, 2024
Camera Ready Paper and Registration : 10th September, 2024

Venue of Conference:

**Emerald Hall (PGDM)
Dewan VS Group of Institutions
Bypass Road, Meerut (U.P.- NCR) INDIA - 250001**

The conference aims at providing a forum for add domain professionals to discuss and present the latest in Multidisciplinary Technology & Innovations in recent Industry Trends. The Conference will encompass invited talks by field experts and paper presentation in various areas of Engineering & Management. Only original high-quality non-plagiarism research papers will be accepted. Accepted papers are expected to appear in the proceedings to be published and indexed with Scopus. Extended versions of selected papers will be considered for publication in such reputed Book Series of Springer. (We have applied for Springer to publish our proceedings).

Topics of Conference:

Antenna Design (AD)
Artificial Intelligence (AI)
Communications & Networking (COMNET)
Control, Intelligent Systems, and Robotics (CIR)
Design, Modelling and Analysis of Machines (DMAM)
Energy Systems (ENE)
Green Energy (GE)
Low Power Devices (LPD)
Blockchain
Machine Learning (ML)
Data Science (DS)
Instrumentation & Control (IC)
Industry 4.0 (IIoT)
Micro/Nano Electro Mechanical Systems (MEMS)
Mobile Computing (MC)
Hybrid Computing (HC)
Signal Processing (SP)
Data Privacy & Security Protection
E-Commerce & E-Government

**Areas of Specializations are not limited for papers, innovations in modern domain of research are most welcome in the conference papers.*

Registration Fee:

Students (UG/PG) : INR 1,000/- (for attendees)
Research Scholars : INR 1,500/-
Academicians : INR 1,500/-
Industrial /R&D Delegates : INR 2,500/-
Foreign Delegates : US \$ 120

Registration fee includes Conference Kit, Working Lunch, Tea & Snacks.

Payment Details:

Account Name :Dewan VS Institute of Engg. & Technology, Meerut
Account Number : 910010014537247
Bank Name : Axis Bank Ltd
Branch : Boundary Road, Civil Lines, Lal Kurti, Meerut
IFSC Code : UTIB0000177
Account Type : Savings

The Online transaction should be made through Internet Banking / GPay / Phone Pay / Paytm / UPI with above Account details.

*Accommodation will be provided on request on actual payment basis.