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INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of HRD Initiative)

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A REPORT

ON

4th INTERNATIONAL E-CONFERENCE ON COMPUTING AND DATA SCIENCE

(Theme: Advanced and Emerging Applications in Computing & Data Science)

(AEACDS-2023)

Date of Conference

15 December2023 (Friday)

Organized By

Department of Computer Applications

Institute of Professional Excellence and Management

Ghaziabad (U.P) INDIA

Convener

Mr. Mukul Varshney (Assistant Professor)

Co-Convener

Ms. Anita Singh (Assistant Professor)

Mr. Krishan Kansal, Assistant Professor

HOD Computer Applications

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ABOUT THE INSTITUTE

****

The Institute of Professional Excellence & Management (IPEM), Ghaziabad- established in 1996, conducts various Programs in Computer Applications & Information Technology besides others, in Management, Law and Education. These are approved by the concerned professional approving bodies and affiliated to Dr. APJ Abdul Kalam Technical University, Lucknow and Ch. Charan Singh University, Meerut, Uttar Pradesh, India.

E-CONFERENCE OBJECTIVE

****

The Computer Applications Department of Institute of Professional Excellence & Management, Ghaziabad, UP, India has organized an "4th International E-Conference on Computing and Data Science" with theme: Advanced and Emerging applications in computing and Data science (AEACDS: 2023) on 15 December 2023 (Friday) in online mode through Zoom link . The conference is webcast Live streamed through YouTube channel all over the world. This conference is organized in association with CII, YI, Eco Roots Foundation, NCFT and Jahan University Kabul Afghanistan. The objective of AEACDS 2023 is to bring together researchers and practitioners from academic and industry to highlight the importance of computing technologies and data science as well as establish new collaborations in these areas. The conference looks for significant contributions to computing, data mining and data science in theoretical and practical aspects.

THEMES AND SUB THEMES OF THE CONFERENCE

****

Computing: Scientific Computing, Computer Modeling, Cloud Computing, Parallel Computing, Mobile Computing, Simulation, Computational Optimization, Distributed Computing, High Performance Computing, Soft Computing Theory and Applications , Parallel and Distributed Computing, Cluster Computing, Supercomputing, Autonomic Computing,P2P Computing

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,Mobile Computing ,Grid and Semantic Grid Computing ,Workflow Design and Practice Computer and Network Architecture , Web Based Computing .

Internet of Things: Wireless Sensor Networks, Cloud Computing, Big data analytics, Communication protocols, Embedded Systems, IoT Levels and Templates Domain Specific IoTs Home, City, Environment, Energy, Retail, Logistics, Agriculture, Industry, health and Lifestyle, NETCOZF, YANG- NETCONF, YANG, SNMP NETOPEER, Cloud Storage models and communication APIs Webserver Web server for IoT, Cloud for IoT, Python web application framework Designing a RESTful web API.

Cloud Computing: data link layer protocols, sliding window protocols, example of data link protocol- HDLC, Channel allocation problem, multiple access protocols, Introduction to ALOHA, CSMA/CD, CSMA/CA, routing, flooding, distance vector routing, link state routing (without algorithms), congestion control and quality of service, internetworking, IP, Ipv4 Addressing vs IPv6

Cyber Security: Data Security Considerations-(Backups, Archival Storage and Disposal of Data), Security Technology- (Firewall, VPNs, Intrusion Detection System), Access Control. Security Threats -Viruses, Worms, Trojan Horse, Bombs, Trapdoors, Spoofs, E-mail Viruses, Macro Viruses, Malicious software, Network and Denial of Services Attack. WWW policies, Email Security policies, Corporate Policies, Sample Security Policies.

Machine Learning: Artificial Intelligence Tools & Applications, Hybrid Intelligent Systems, Natural Language Processing, Computer Vision, Image process, Heuristic and AI Planning Strategies and Tools, Computational Theories of Learning, Intelligent System Architectures, Neural Networks and applications, Pervasive Computing and Ambient Intelligence, Reasoning and Evolution, Semantic Web Techniques and Technologies, Web Intelligence Applications and Search.

Big Data Analytics, Data Mining & AI: Big Data Analytics and Algorithms, Optimization and Big Data, Data Clustering ,Artificial Intelligence, Neural Networks, Computing, Data Mining & Data Warehousing, Big Data Technologies, Big data security and privacy, Computational Linguistics , Information Retrieval , Natural Language Processing & Text Mining ,Visual and Audio Data Mining , Scientific and Statistical Data Mining , Collaborative Filtering , Social Impacts of Data Mining ,Speech Recognition, Virtual Agents, AI-optimized Hardware, Decision

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Management, Deep Learning Platforms, Biometrics, Robotic Process Automation, Text Analytics and NLP.

Data Sciences: Databases, Data Management, Data Analytics, Social Network Analysis, Time Series Analysis, Forecasting, Data Security, Predictive Modeling, Data Analytics, Change Detection, Medical informatics, Distributed and Parallel Algorithms for Data Science, Big Data Representation and Visualization, Business Intelligence, Data-Lakes, Big-Data Technologies, Text Analytics, Image Interpretations, Web Analytics, Mobile Analytics, High Performance Computing for Data Analytics, Knowledge Discovery Theories, Models and Systems, Human-Machine Interaction and Interfaces, Crowd sourcing and Collective Intelligence, Data Security.

Advanced Algorithm: Advanced Computing Architectures and New Programming Models, Sequential, Parallel and Distributed Algorithms and Data Structures, Advanced Numerical Algorithms, Pervasive and Ubiquitous Computing Techniques, Constraint- Based Algorithms, Web Algorithms, Design and Analysis of Geometric Algorithms, Computational Methods and Algorithms, On-line and Streaming Algorithms, Graph Algorithms and Graph Drawing, High Performance Computing and Processing, High Performance Data Mining Algorithms, Machine Learning Theory, Prediction Theory.

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AEACDS: 2023 Tentative BUDGET

4th International E-Conference on Computing & Data Science

"Advanced and Emerging Applications in Computing and Data Science"

S.No.	Particulars	Budgeted Amount
1.	**Honorarium for International Speakers** *Rs. 11000×3=33,000* **(As per policy)** 1. Prof (Dr.) Brian A. Barsky University of California, Berkeley USA 2. Prof (Dr.) Laith R. Flaih, Cihan University, Erbil 3. Prof (Dr.) Mohammad Salem Hamidi , Vice Chancellor ,Jahan University Kabul	33,000/-
2.	**Honorarium for National Speakers** *Rs. 5000×3=15,000* **(As per policy)** 1. Prof (Dr) Rahul Katarya, Delhi Technological University New Delhi, INDIA 2. Dr. Ramesh Babu Battula, Malaviya National Institute of Technology Jaipur, INDIA 3. To be confirmed	15,000/-
3.	**Dispatch of Books and Journals** *(100+100) * 50*	10,000/-
4.	**Edited Book Cost** *(100×380) (Universal)*	38,000/-
5	**Journals (150x 150)**	Rs 22,500/-
6.	**Digital Marketing Expenses**	Rs 5,000/-

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7.	**Miscellaneous**	Rs 8000/-
	Total	Rs 1,26000/-

Tentative Revenue to Be Generated

EXPECTED REVENUE		
Approximate 25 Research Papers Participants Proposed {Rs 1500 each (average)}	**25 x 1500**	**Rs. 37,500/-**

Convener   **HOD (Computer Application Department)**

Mr. Mukul Varshney   Mr. Krishan Kansal

Ms. Anita Singh

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E-CONFERENCE BROCHURE & PROGRAMME SCHEDULE

4TH INTERNATIONAL E-CONFERENCE
COMPUTING & DATA SCIENCE

Theme

**Advanced and Emerging Applications in computing and Data Science
(AEACDS: 2023)**

FRIDAY, 15 December 2023

ONLINE MODE

www.icds.ipem.edu.in

About the Institute

The Institute of Professional Excellence & Management (IPEM), Ghaziabad established in 1996, conducts various Programs in Computer Applications & Information Technology besides others, in Management, Law and Education. These are approved by the concerned professional approving bodies and affiliated to Dr. APJ Abdul Kalam Technical University, Lucknow and Ch. Charan Singh University, Meerut, Uttar Pradesh, India.
The IPEM has completed 26 years of its existence and is organizing an International E-Conference on Computing and Data Science with Theme "Advanced and Emerging Applications in computing and Data Science (AEACDS 2023), on 15th December (Friday).

About the E-Conference & It's Objectives

The Computer Applications Department of Institute of Professional Excellence & Management, Ghaziabad, UP, India is organizing an International E-Conference on Computing and Data Science with Theme "Advanced and Emerging Applications in computing and Data Science (AEACDS 2023), on 15th December (Friday).
The objective of AEACDS-2023 is to bring together researchers and practitioners from academia and industry to highlight the importance of computing technologies and data science as well as establish new collaborations in these areas. The conference looks for significant contributions to computing, data mining and data science in theoretical and practical aspects.

Sub Themes of the Conference:

• **Computing:**
Scientific Computing, Computer Modeling, Cloud Computing, Parallel Computing, Mobile Computing, Simulation, Computational Optimization, Distributed Computing, High Performance Computing, Soft Computing Theory and Applications , Parallel and Distributed Computing, Cluster Computing, Supercomputing, Autonomic Computing,P2P Computing ,Mobile Computing ,Grid and Semantic Grid Computing ,Workflow Design and Practice Computer and Network Architecture, Web Based Computing.

• **Internet of Things:**
Wireless Sensor Networks, Cloud Computing, Big data analytics, Communication protocols, Embedded Systems, IoT Levels and Templates Domain Specific IoTs – Home, City, Environment, Energy, Retail, Logistics, Agriculture, Industry, health and Lifestyle, NETCOZF, YANG- NETCONF, YANG, SNMP NETOPEER, Cloud Storage models and communication APIs

• **Cloud Computing:**
Data link layer design issues, Flow Controls-Stop and Wait, Error Detection, Error Control, error detection and correction, data link layer protocols, sliding window protocols, example of data link protocols HDLC, Channel allocation problem, multiple access protocols, Introduction to ALOHA, CSMA/CD, CSMA/CA, routing, flooding, distance vector routing, link state routing (without algorithms), congestion control and quality of service, internetworking, IP, Ipv4 Addressing vs Ipv6

• **Cyber Security:**
Data Security Considerations-Backups, Archival Storage and Disposal of Data, Security Technology-Firewall, VPNs, Intrusion Detection System), Access Control, Security Threats -Viruses, Worms, Trojan Horse, Bombs, Trapdoors, Spoofs, E-mail Viruses, Macro Viruses, Malicious software, Network and Denial of Services Attack, WWW policies, Email Security policies, Corporate Policies, Sample Security Policies.

• **Machine Learning:**
Artificial Intelligence Tools & Applications, Hybrid Intelligent System, Natural Language Processing, Computer Vision, Image process, Heuristic and AI Planning Strategies and Tools, Computational Theories of Learning, Intelligent System Architectures, Neural Networks and applications, Pervasive Computing and Ambient Intelligence, Reasoning and Evolution, Semantic Web Techniques and Technologies, Web Intelligence Applications and Search

• **Big Data Analytics, Data Mining & AI:**
Big Data Analytics and Algorithms, Optimization and Big Data, Data Clustering ,Artificial Intelligence, Neural Networks, Computing, Data Mining & Data Warehousing, Big Data Technologies, Big data security and privacy, Computational Linguistics , Information Retrieval , Natural Language Processing & Text Mining ,Visual and Audio Data Mining , Scientific and Statistical Data Mining , Collaborative Filtering , Social Impacts of Data Mining ,Speech Recognition, Virtual Agents, ABeptimized Hardware, Decision Management, Deep Learning Platforms, Biometrics, Robotics Process Automation, Text Analytics and NLP.

• **Data Sciences:**
Databases, Data Management, Data Analytic, Social Network Analysis, Time Series Analysis, Forecasting, Data Security, Predictive Modeling, Data Analytics, Change Detection, Medical informatics, Distributed and Parallel Algorithms for Data Science,Big Data Representation and Visualization, Business Intelligence, Data-Lakes, Big-Data Technologies, Text Analytics, Image Interpretations, Web Analytics, Mobile Analytics, High Performance Computing for Data Analytics, Knowledge Discovery Theories, Models and Systems, Human-Machine Interaction and Interfaces, Crowd sourcing and Collective Intelligence, Data Security.

• **Artificial Intelligence & Robotics Track:**
Intelligent cloud-support communications, Intelligent resource allocation, Intelligent energy-aware /green communications, Intelligent software defined networks, Intelligent positioning and navigation systems ,AI & wireless communication, Intelligent wireless sensor networks, AI based underwater sensor networks. Robot design, development and control, Telerobotics and Teleportation, Virtual Reality ,Natural language dialogue with robots, Web based control

• **Advanced Algorithm:**
Advanced Computing Architectures and New Programming Models, Sequential, Parallel and Distributed Algorithms and Data Structures, Advanced Numerical Algorithms, Pervasive and Ubiquitous Computing Techniques, Constraint-Based Algorithms, Web Algorithms, Design and Analysis of Geometric Algorithms, Computational Methods and Algorithms, On-line and Streaming Algorithms, Graph Algorithms and Graph Drawing, High Performance

Tracks not limited to these only

Mode of Presentation: ZOOM Platform and Live on IPEM You Tube channel
Who Should Attend: Speakers & Participants: Academia, Industry Professionals, Research Scholars, and Social Service Organizations & Students.
International Speakers, National Speakers, Guest of Honor, Session Chair of the Conference
A great speaker is driven to know his stuff and care about a particular topic. His passion will cause others to be convinced, not just because of his force of reasoning, but also because he is visibly enjoying the beliefs, he wants his audience to accept. We have invited many of the speakers from reputed universities from abroad as well as from India.

Full Length Paper Submission AEACDS 2023
The full length paper has to be submitted using the following links of Registered Conference Management System (CMS). The Abstract / Paper Must be submitted to both the links in (.doc) and (.pdf) form.
On Conference Registered E-mail: iltconference@ipemgzb.ac.in
EASYCHAIR LINK: https://easychair.org/conferences/?conf=aeacds2023
Authors are requested to submit articles that illustrate research results, projects, surveying works and industrial experiences that describe significant advances in the sub themes mentioned.

Guidelines for submission of Abstract & Papers
1. Original papers based on theoretical or experimental works related to the theConference themes for presentation in the session.
2. The total length of the paper must not exceed six A4 size pages including text, figures, graph, tables & bibliography etc.
3. The Abstract/Paper should be typed in MS Word, 12-point Times New Roman and 1.5 line spacing. The Abstract should be limited to 300 words only and the full paper should be 10-12 pages.
4. The paper should begin with title, short abstract and a list of keywords. Simultaneous submissions (papers already submitted to other conferences/journals) are not allowed.

5. Author(s) should mention their designation along with the institutional affiliation and contact details.
6. All the photographs should be submitted as large size and good quality JPEG images. Content and figures should be clearly readable.

7. Graphs and bar diagrams should preferably be prepared using Microsoft Excel and submitted as
 Excel graph pasted in Word.
8. Maximum 3 Authors are allowed in a Research Paper.
9. Please do not submit plagiarized papers.

All accepted and presented papers of the E-Conference by duly registered author(s) will be published in the IPEM Journal of Computer Application & Research (ISSN: 23814573).

The high quality research papers may be considered for Peer Reviewed indexing journals such as Scopus & UGC Care on the terms and conditions of the journals. If the content is selected for publication in these Journals, The article processing fees will be borne by the author other than the conference Registration fee.

Important Dates: AEACDS 2023

Last date for submission of Abstract with Registration	1st October 2023
Submission of Full-Length Paper	20th October 2023
Full length Paper Editing Notification (Plagcheck etc.)	1st November 2023
Last date of Revised full length paper submission with conference payment etc.	15th November 2023

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Registration Fee & Mode of Payment:

Registration can be done through the conference website :
https://icds.ipem.edu.in/account-registration/

Category	Registration Fee	
	National (Rs)	International ($USD)
Academicians/ Industry Representatives	2000	50
Research Scholars	1500	50
Students	750	25
Attendees Only	500	20

Online Via E-Conference Website
https://icds.ipem.edu.in/account-registration/

International Keynote Speakers

Prof (Dr.) Brian A. Barsky
Professor of the Graduate School
Professor Emeritus of Computer Science and Vision Science
University of California, Berkeley USA

Prof (Dr.) Laith R. Flaih
Department of Computer Science,
Cihan University, Erbil

Prof (Dr.) Mohammad Salem Hamidi
Vice Chancellor
Ashan University Kabul

National Keynote Speakers

Dr. Rahul Katarya
Department of Computer Science and Engineering
Delhi Technological University
New Delhi, INDIA

Dr. Ramesh Babu Battula
Department of Computer Engineering
Malaviya National Institute of Technology
Jaipur, INDIA

Conference Committees

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(Secretary, IPEM)

Advisors
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(Director General, IPEM)

Mr. Shashank Chaudhary
(Dean Academics, IPEM)

Mr. Naveen Kumar
(HOD& Assistant Professor ,
Computer Applications, IPEM)

Convener and Conference Chair
Mr. Mukul Varshney
(Assistant Professor Computer Applications, IPEM)
(mukul.varshney@ipemgzb.ac.in)

Co-convener
Ms. Anita Singh
(Assistant Professor Computer Applications, IPEM)
(Anita.Singh@ipemgzb.ac.in)

Mr. Krishan Kansal
(Assistant Professor
Computer Applications, IPEM)

National and International Speaker Coordination Committee: AEACDS 2023
Mr. Atul Sharma
(Assistant Professor
Computer Applications, IPEM)

Mr. Mukul Varshney
(Assistant Professor Computer Applications, IPEM)
(mukul.varshney@ipemgzb.ac.in)

Organizing Technical Program Committee (OTPC) : AEACDS 2023

Ms Shweta Chaudhary
(Assistant Professor
Computer Applications, IPEM)

Mr Ajay Kumar
(Assistant Professor
Computer Applications, IPEM)

Ms Shweta Sharma
(Assistant Professor
Computer Applications, IPEM)

Ms Karishma
(Assistant Professor
Computer Applications, IPEM)

Ms Neha Verma
(Assistant Professor
Computer Applications, IPEM)

Ms Ritu Motla
(Assistant Professor
Computer Applications, IPEM)

Mr Girish Bansal
(Assistant Professor
Computer Applications, IPEM)

For any queries mails can be done on the above Email IDs or conference mail id given below
(itconference@ipemgzb.ac.in)

Team AEACDS: 2023
15th December 2023(Friday)
Department of Computer Applications
Institute of Professional Excellence and Management
Ghaziabad (U.P) INDIA

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	4ᵗʰ International E-Conference on "Computing and Data Science"
	(AEACDS :2023)
	15 December 2023
	(Advanced & Emerging Applications in Computing & Data Science)
	TENTATIVE PROGRAM SCHEDULE
	Inaugural Session (10:00AM-1:30PM) IST
	Session Chair & In charge : Mukul Varshney & Atul Sharma , Assistant Professor , CA
	Anchors/MC : Anita Singh & Ajay Kumar , Assistant Professor , CA
9:45AM - 10:00 AM (IST)	IPEM Glimpses
10:00 AM - 10:05 AM	Introduction of the Institute with Lamp Lightning
10:05 AM -10:10 AM	Welcome Address by Dean Academics : Mr. Shashank Chaudhary
10:10 AM - 10:15AM	Introduction to CA Department & E-Conference By HOD Computer Applications : Mr. Krishan Kansal
10:20 AM - 10:35AM	Address by the International Keynote Speaker: Prof (Dr) Brian .A . Barskey PROFESSOR Emeritus of Computer Science & Vision Science University of California, Berkeley USA
10:40AM - 10:55AM	Address by the International Keynote Speaker : Prof (Dr) Laith R Flaih PROFESSOR Department of Computer Science, Cihan University, Erbil

	4ᵗʰ International E-Conference on "Computing and Data Science"
	(AEACDS :2023)
	15 December 2023
	(Advanced & Emerging Applications in Computing & Data Science)
	PROGRAM SCHEDULE
	Technical Session (2:00PM-4:45PM) IST
2:00 PM- 4:30 PM (IST)	**Technical Session I&II (Paper Presentation)** **Track 1 & 2 Computing & Data science*** *Session Chair & In charge : Mr. Krishan Kansal Head CA & Mr. Naveen Kumar Co-Head CA*
4:30PM – 4: 35 PM	**Validatory session : Best Paper of the conference** *Conference Panel : Mr. Krishan Kansal , Mr. Naveen Kumar , Mr. Atul Sharma , Mr. Uttam Karki*
4:35PM – 4:40 PM	Vote of thanks : Mr Mukul VARSHNEY ,Assistant Professor CA, Convener (AEACDS : 2023)
4:40 PM -4:45PM	GROUP PHOTOGRAPHS OF PRESENTERS
	AEACDS :2023 CONCLUSION

* Details of the track & time slot will be communicated to the paper presenters

E-CONFERENCE CREATIVE AND BANNER

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International Keynote Speaker's Profiles

****

DR. BRIAN A. BARSKY
PROFESSOR
**Emeritus of Computer Science & Vision Science University of California, Berkeley
USA**

Profile:

Brian A. Barsky is Professor of the Graduate School at the University of California, Berkeley with faculty affiliations in Electrical Engineering and Computer Sciences (EECS), Optometry, Vision Science, Bioengineering, Berkeley Institute of Design (BID), Berkeley Center for New Media (BCNM), Arts Research Center (ARC), and Berkeley Canadian Studies Program.

He is a Fellow of the American Academy of Optometry (F.A.A.O.), a UC Berkeley Presidential Chair Fellow, a Warren and Marjorie Minner Faculty Fellow in Engineering Ethics and Professional/Social Responsibility, and an ACM Distinguished Speaker. Dr. Barsky was a recipient of an IBM Faculty Development Award and a National Science Foundation Presidential Young Investigator Award.

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PROF (DR.) LAITH R. FLAIH
PROFESSOR

**Department of Computer Science,
Cihan University, Erbil**

Profile : Prof Laith R. Flaih **is an** Assistant Professor in Department of Computer, Cihan University-Erbil, Kurdistan Region, **His Scientific Publications are:**

1. (23) Journal papers.
2. (8) Conference papers.
3. (1) Published books.

and Research interests are:

1. Data Mining
2. Web Mining
3. Intelligent Systems
4. Big Data

**PROF (DR.) MOHAMMAD
SALEM HAMIDI**
VICE CHANCELLOR

Jahan University Kabul

Profile:

Prof Salem is a Professor of Computer Engineering & Vice Chancellor Jahan University Kabul Afghanistan . His area of research are network and software security.

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PROF UTTAM KARKI
PROFESSOR

**Department of Computer Science
and IT, Kathmandu University,
Nepal**

Profile :

Assistant Prof Uttam Karki is working as Assistant professor in Department of computer science and IT Nepal college of management which is affiliated to Kathmandu university Nepal ,a dedicated Ph.D. scholar specializing in Machine Learning at the Institute of Engineering, Tribhuvan University. His expertise lies in the field of Computer Engineering, and he boasts a decade of rich academic experience. Over the years, he has contributed significantly to institutions such as Kathmandu University, Tribhuvan University, Pokhara University, Purwanchal University, Mid-Western University, and various foreign universities. Karki's commitment to advancing knowledge in the realm of machine learning has made him a valuable asset in academia.

National Speakers & Guest of Honor's Profile

****

DR. RAMESH BABU BATTULA
PROFESSOR

**Department of Computer Engineering Malaviya National Institute of
Technology Jaipur, India**

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Profile :

Ramesh Babu Battula is an assistant professor in the department of computer science and engineering at Malaviya national institute of technology Jaipur. He received PhD in CSE from MNIT Jaipur, M.Tech (CSE) from IIT Guwahati, and B.Tech (IST) from Acharya Nagarjuna University (i.e. from KLCE). His work focuses on decentralized learning for security (i.e., AI for Blockchain and Blockchain for AI, Next-generation distributed ledgers), computer security, Intelligent communication and networks (like 5G and beyond, IOV, etc.). He is a life member of ACM communications, Member of IEEE, Member of IEEE Future Networks, TIMES, IENG, etc. He authored many research articles in reputed journals like IEEE/IET, ACM, Elsevier, Springer, etc., and received many research-funded projects from DST, MeitY, etc., as well as Consultancy projects.

DR. RAHUL KATARYA
PROFESSOR

Department of Computer science and Engineering, Delhi
Technological University, New Delhi , India

Profile :
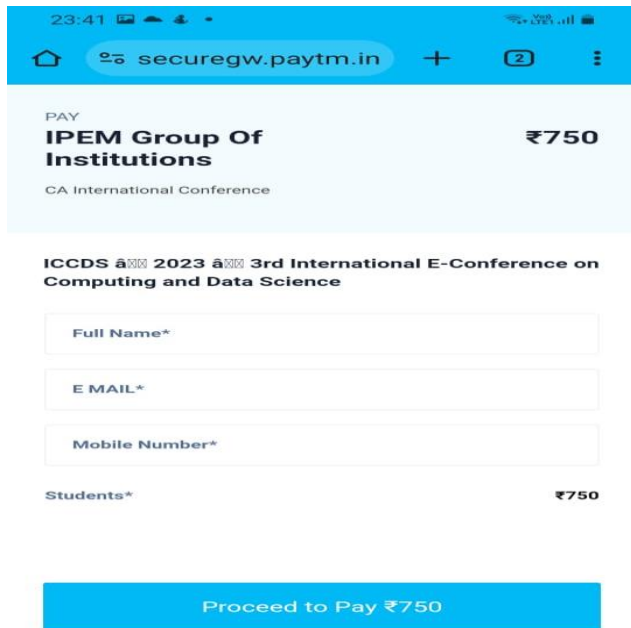
Prof Katarya is presently working with Department of Computer Science & Engineering, Delhi Technological University (DTU), New Delhi, India, His Research Areas include Big Data analytics Artificial intelligence Social Networks Recommender systems Machine learning

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Abstracts and Papers contributed / Presented in the E-conference

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A total of 60 abstracts from International and National Authors has been Received for the contribution in the conference mainly across the globe from USA, Kabul , Nepal , Africa, Kurdistan ,Erbil etc. and across India from Tamil Nadu , Delhi , Rajasthan , Kerala , Uttar Pradesh , Haryana and Punjab along with the internal contribution from CA faculty and students, out of which 34 full papers were finally selected for presentation in the E-conference, which includes 10 contributed international papers as per MOU from Jahan University Afghanistan.

Payment and Registration links

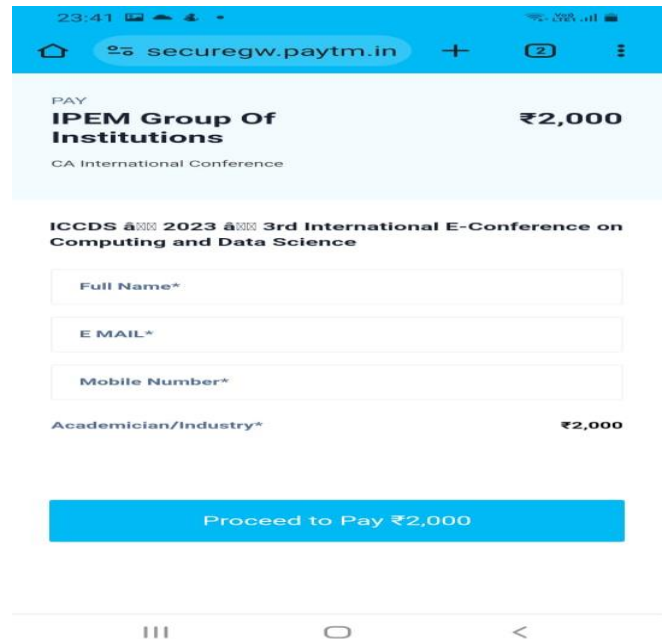INSTITUTE OF PROFESSIONAL EXCELLENCE & MANAGEMENT
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List of Student participants other than Paper Presenters

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Contribution of Titles in AEACDS :2023

SNO	Name of Papers	Author NAME
1	Analysis of Computer Network Models: Understanding Network Structures and Their Applications	Abhay Narula
2	Applications of Cloud Computing	Mr. Pawan Pandey
3	Efficient Strategies for Developing an E-Commerce Application	Animesh Chaudhry
4	Fundamentals and Practical Applications of Big Data Technology	
5	Predictive Analysis for Weather Prediction using Data Mining with ANN: A Study	Ritu
6	Environmental Degradation through Reliability	1Ritu, 2HarshidaShaily, 3Kumar Pratik
7	A Comprehensive Survey on Cloud Computing: Concepts, Challenges, and Future Directions	Abdulkalamazad G1 , Deepa S2 , Anitha A3 , Gowdhami K4 and Saranya K5
8	Assessing Cyber Security Awareness and Preparedness: A Survey Study	Sivaguru R1 , Malarvizhi P2 , Saranya R3 , Babu G4 and Saranya K
9	EnhancingGovernment Procurement: Utilizing Business Intelligence for Deep Data Analytics in Electronic Procurement	Saurabh Bansal
10	Reinforcement Learning in Physical Systems	Nisha Choudhary
11	Routing algorithm	Narendra kumar Singh
12	FASHION DESIGNING WITH ARTIFICIAl INTELLIGENCE	Narendra Singh and Taruna
13	A.I	Aryan Sane
14	Query Processing of Semantic Web	Ayushi Mittal
15	security Consideration in Cloud Computings	Vaghvinder
16	COMPUTING IN THE CLOUD AND ITS SERVICES	Shivani. Shweta choudhary, Kanchan Mishra
17	A.I for Road Safety	Abhinav tyagi,Vikas Tiwari, Shweta Choudhary
18	Computer Networking Acquiring Global World	Kapil singh,preety Choudhary, Shweta Choudhary
19	Understanding Cryptocurrencies: A Comprehensive Analysis	Deepak Kaushik , Shweta Sharma
20	Importance of Digital Marketing Strategy in Small Business	*Mohammad Salim Mohammadi 1,Hayatullah Momand2,Ahmadullah Ahmadzai3*
21	Reinforcement Learning in Physical Systems	*Dr Mohammad Salim Hamidi1,Allah Dad Muhammadi2,Samiullah3*
22	Analysis Government Bonds as Tools for Investment	*Mohammad Salim Mohammadi 1,Hayatullah Momand2,Jhanzeb Aryan3*
23	Analyze The Linux OS Architecture	*Dr Mohammad Salim Hamidi1,Sikandar Zulqarnen2,Mohammad Hassan3,Murtaza4*
24	Analyzethe linux performance in network management	*Dr Mohammad Salim Hamidi1,Sikandar zulqarnin2,"Jamshid Ahmadi3,Nazir Gul4,Mohammad Ilyasl5*
25	Machine Learning and Types of ML	*Dr Mohammad Salim Hamidi1,Iqbal Shah 2,Khyal Muhammad 3*

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26	Political and Legal Factors That Impact International Trade	Dr Mohammad Salim Hamidi*1, Noor Mohmmad Noorani2,"Sefatullah Ahmadzai3*
27	Quality ofServices(Qos) inLinux operating system	*Dr Mohammad Salim Hamidi1,Fahim Nasiri2,WisalAhmadzai3,"Hikmat Rahmanzai4,Aminullah5,Mohammad6*
28	WirelessNetworkVirtualization	*Dr Mohammad Salim Hamidi1, Elham Momand 2,"*
29	Customer Delight in Digital Baking	*Mohammad Salim Mohammadi 1,Hayatullah Momand2,Jhanzeb Aryan3*
30	Enhancing Seiure Detection : A Deep Learning approach with Non -Linear Bilateral Filtering	*Ashish sharma , Vinai K Singh*

Papers Title	Authors Name
Dark web	Tannu
5G:Impact and Future of connectivity	Anita Singh, Preet Tomar, Roshan chaturvedi
A systematic review on Google Application	Nitam , Kareena
Impact of AI on Employement and Workforce	Yash Chauhan Sumit Kuma
Blockchain Technology	Sourabh sharma, aneha Gupta
Examining the C Progarmming Language	Sumit, Kumar Pathak, Simran
Block Diagram Images by Production NaturalLanguage Descriptor	Yash Mohan Garg, Sagar chauhan
Internet of Things	Vaishali
Artificial Intelligence for Preventive Maintenance	Rajat Shukla

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How to Develop Efficient Calculation Software Using if-else in C	Chirag Sharma[1], Bhaskar Singh[2], CS Abitha [3]
A systematic review of social Media for intellectual Human - Computer Interaction Reserch	Preety Choudhary

Paper Publication opportunity in E-Conference

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All accepted and Presented papers of the E-conference screened through the conference Reviewer board will be published in following volumes in the form of a journal or a Edited book (Conference Proceedings) by taking consent and undertaking of copyright by each author.

1. For Publication in Journal:

Journal Name	Journal Details
IPEM JOURNAL OF COMPUTER APPLICATIONS AND RESEARCH	ISSN NO: 2581-5571

2. For Edited Book: (Conference Proceedings)

E-Conference Conduction with Live streaming Tools & Links

Since the conference is a E-Conference in online mode. The conference conduction tool is Zoom and live streaming of the conference is webcast on YouTube the links of both are as follows:

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Topic: AEACDS – 2023 " 4th International E-Conference on Advanced and Emerging Applications in Computing and Data Science"
Time: Dec 15, 2023 09:30 AM India

Join Zoom Meeting
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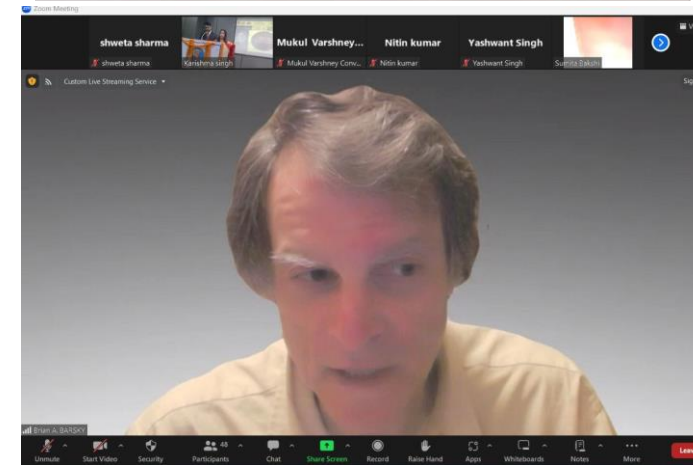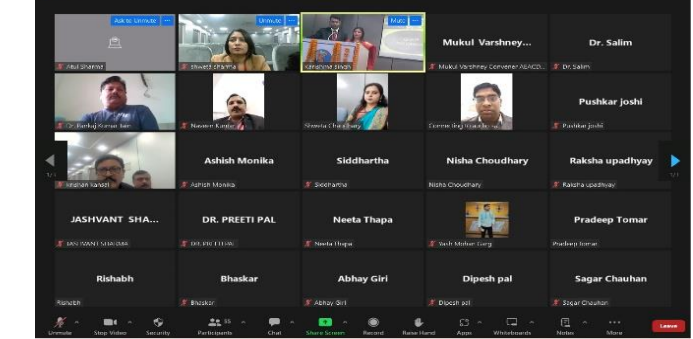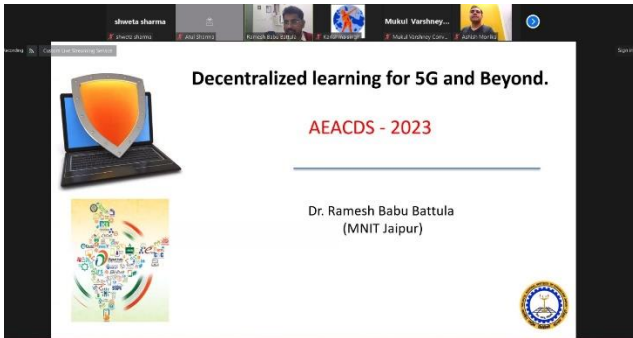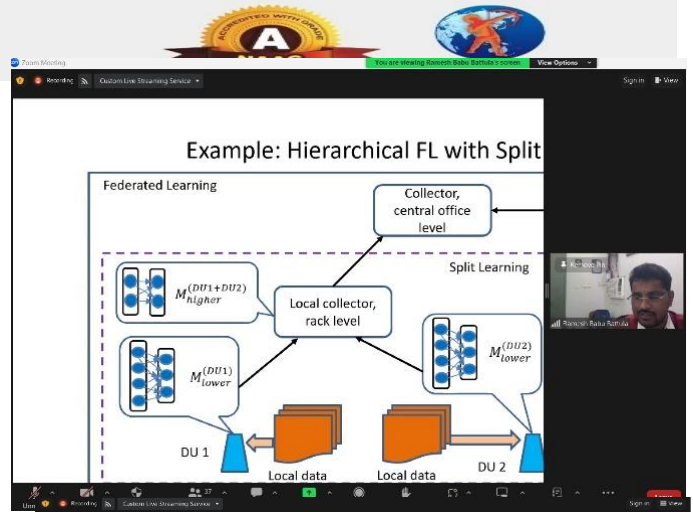
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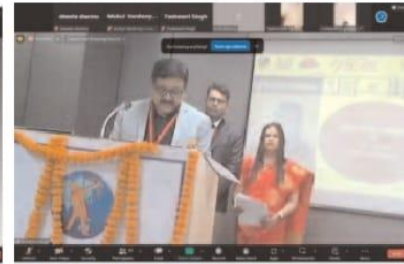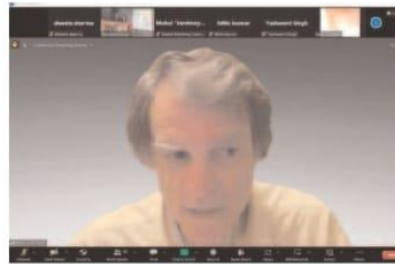NH-9, Ghaziabad, U.P.-201010
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Conference Press Release (Print Media)

आई.पी.ई.एम. कालेज में 'कम्प्यूटिंग एण्ड डाटा साईंस' थीम पर हुआ अन्तर्राष्ट्रीय ई-सम्मेलन

हिन्द आत्मा संवाददाता

गाजियाबाद। एन.एच. 9 गाजियाबाद पर स्थित आई.पी.ई.एम. कालेज में अन्तर्राष्ट्रीय ई-सम्मेलन का आयोजन कम्प्यूटिंग एण्ड डाटा साईंस के एमर्जिंग ऐप्लीकेशन थीम पर पर किया गया। इस सम्मेलन का उद्घाटन कॉलेज की प्रबंध निदेशक प्रोफेसर (डॉ0) सुग्न्धा गोयल एवं डीन एकाडमिक्स प्रोफेसर शशांक चैधरी ने दीप प्रज्वलित कर किया। सम्मेलन का उद्घाटन कम्प्यूटर ऐप्लीकेशन विभाग के हेड श्री कृष्ण कंसल के स्वागत भाषण से हुआ।

सम्मेलन में देश-विदेश के दस से अधिक राष्ट्रीय एवं अंतराष्ट्रीय ख्याति के वक्ताओं ने अपने विचार प्रस्तुत किए। इसमें बर्कले कैलिफोर्निया यूनिवर्सिटी के प्रो ब्रायन बार्शकी ने सॉफ्टवेयर एवं मशीन की कमियों से एयरप्लेन मैकेनिज्म की कमियों को समझाया। प्रो0 उत्तम कार्की नेपाल एवं प्रो0 लेथ इरबिल ने AI-ML के ऐप्लीकेशन पर प्रकाश डाला। प्रो0 हामिदी वाईस चाँसलर जहॉन विश्वविद्यालय काबुल ने डाटा एनालाटिक्स के महत्व को कई ऐप्लीकेशन के प्रारूप में प्रस्तुत किया। प्रो0 रमेश बाबू एम एन आई टी जयपुर एवं प्रो0 राहुल कटारिया दिल्ली टेक्नोलोजिकल विश्वविद्यालय ने कान्फ्रेंस थीम के विभिन्न प्रारूपों पर प्रकाश डाला। इस अन्तराष्ट्रीय सम्मेलन में 20 से अधिक अंतराष्ट्रीय शोध पत्र प्रस्तुत किए गए जो कि क्रमशः अमेरिका, अफगानिस्तान, नेपाल, अफ्रीका आदि देशों से थे। राष्ट्रीय स्तर पर 25 से अधिक शोध पत्रों का प्रस्तुतीकरण देश के विभिन्न स्थानों जैसे तमिलनाडु, दिल्ली, राजस्थान, उत्तर प्रदेश, कर्नाटक, केरला, गुजरात, हिमाचल प्रदेश आदि से हुआ। सम्मेलन का समापन प्रो. अतुल शर्मा ने उत्तम शोध पत्र की घोषणा एवं कॉन्फ्रेंस कनवेनर श्री मुकुल वार्ष्णेय के वोट ऑफ थेंक्स के साथ किया गया। आई.पी.ई.एम. संस्थान के प्रबंध सचिव श्री अनुपम गोयल जी ने सभी शोधकर्ताओं एवं कंप्यूटर विभाग की कांफ्रेंस ओर्गनाइजिंग कमेटी को उनके प्रयास एवं ऊर्जा के लिए ई-सम्मेलन को सफल बनाने हेतु बधाई दी। इस उपलब्ध पर कांफ्रेंस कन्वेनर प्रो0 मुकुल वार्ष्णेय, प्रो0 अनीता सिंह, एवं श्री नवीन कुमार को-हेड एवं समस्त कंप्यूटर विभाग के शिक्षकगण एवं कॉन्फ्रेंस ओर्गनाइजिंग कमेटी के सदस्य उपस्थित थे।

AEACDS -2023 Outcomes

Department of Computer Applications has organized the 4th International E-Conference on computing and Data science with the theme: Advanced an Emerging Applications in computing and data science (AEACDS 2023). The E-conference has been contributed by the distinguished international speakers such a Prof. Brain A. Barsky (USA) , Prof. Laith(ERBIL) , Prof. Karki (NEPAL) and National Speakers such as Prof. Batulla (MNIT Jaipur)and Prof. Rahul Katarya (DTU Delhi) . A total of 60 abstracts from International and National Authors has been Received for the contribution in the conference mainly across the globe from USA, Kabul , Nepal , Africa, Kurdistan ,Erbil etc. and across India from Tamil Nadu , Delhi , Rajasthan , Kerala , Uttar Pradesh , Haryana and Punjab along with the internal contribution from CA faculty and students,

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out of which 34 full papers were finally selected for presentation in the E-conference, which includes 10 contributed international papers as per MOU from Jahan University Afghanistan. The overwhelming response of the E- conference was appreciated globally by the speakers, presenters and the contributed authors as per the feedback received. The outcome of AEACDS - 2023 is to bring together researchers and practitioners from academic and industry to highlight the importance of computing technologies and data science as well as establish new collaborations in these areas. The conference AEACDS 2023 looks for significant contributions to computing, data mining and data science in theoretical and practical aspects. thanks all the contributors, speakers, paper presenters and committee members for making this conference a grand success.

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Convener : AEACDS 2023   Head , CA Department

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