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PSP, Institutional Area, Madhuban Chowk,  
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## 41<sup>st</sup> National Conference **Recent Trends in 5G Technology & Artificial Intelligence**

Date **09<sup>th</sup> December 2023**

In Collaboration with



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# Important Points

## Please Note:

- Last date for paper submission: **20<sup>th</sup> Oct. 2023.**
- A Participation certificate would be issued to the all participants.
- The fee includes conference material and refreshments.
- Fee does not include accommodation or local/outstation travel. No refund will be allowed for cancellations made. Outstation candidates needing assistance in accommodation (on payment) may contact the Conference Convener at the address given below.

## Scan for QR Code for Registration



### TECNIA INSTITUTE OF ADVANCED STUDIES

3PSP, Institutional Area, Madhuban Chowk, Rohini, Delhi-85, India

Phone:011-27555121-2223-24 Mobile: 9711788920 | 9871234503 Fax: 27555120



ROUTE MAP

# About The Institution

Tecnia Institute of Advanced Studies (TIAS) – is one of the Premier institutes, set up under the aegis of the Health & Education Society (Regd.), – a body registered under the Society Registration Act XXI, 1860. TIAS is Grade 'A' Institute duly recognized by All India Council for Technical Education, Ministry of Education, Govt. of India and is affiliated to Guru Gobind Singh Indraprastha University, Delhi; Recognized under Section 2(f) of UGC Act, 1956 established in the country's capital in the year 1998 as an educational and professional centre, with an aim to provide technical knowledge required for the career development of young generation by way of providing the quality education.



# About The Conference

The 41<sup>st</sup> National Conference on Recent Trends in 5G Technology & Artificial Intelligence is a premier conference which is being organized on 09<sup>th</sup> December, 2023 by Department of Information and Communication Technology, Tecnia, Delhi. The computing, communication and networking are the most compelling areas of research because of its rich applications. A fully operative and efficient 5G network cannot be complete without the inclusion of artificial intelligence (AI) routines. Existing 4G networks with all-IP (Internet Protocol) broadband connectivity are based on a reactive conception, leading to a poorly efficiency of the spectrum. AI and its sub-categories like machine learning and deep learning have been evolving as a discipline, to the point that nowadays this mechanism allows fifth-generation (5G) wireless networks to be predictive and proactive, which is essential in making the 5G vision conceivable. The conference will involve paper presentations and keynote speeches by experts on these technologies.

## Conference Highlights

- All accepted papers will be published in conference proceedings with an ISBN number.
- Selected papers will be considered for publication in UGC Care/ Scopus/ SSCI/ ABDC Journals with ISSN and Impact factor.
- Each presenter/authors will receive the conference presentation certificate and certificate for journal publication.
- The conference will operate in hybrid mode, with paper presentations occurring in both online and offline mode



# Committee Members:

### Chief Patron:

**Dr. R.K. Gupta, Chairman, TIAS**

### Patron:

**Dr. Sandhya Bindal, Vice-Chairman, TIAS**

### Director Conference:

**Dr. Ajay Kumar, Director TIAS Delhi**

### Conference Chair:

**Dr. M.N. Jha, Dean Academics, TIAS Delhi**

### Conference Convener:

**Dr. Deepak Sonker, HOD-ICT, TIAS**

### Co-Convener:

**Ms. Chesta Agarwal**

### Faculty Organizing Members:

**Dr. Sanjeev Manchanda**

**Dr. Vinay Nasa**

**Dr. Shalini Goel**

**Mr. Deepak Sharma**

**Ms. Sania Kukkar**

**Mr. Abhishek Upadhyay**

**Ms. Geeta**

**Ms. Vandana**

**Ms. Arnima Pathak**

### Student Co-ordinators:

**Rishika**

**Amit Shamra**

**Sarthak Arora**

**Swati Chandola**

### Advisory Board:

**Prof.(Dr.) Bharti Suri, GGSIPU and chairperson, T&P cell, USICT**

**Prof.(Dr.) M.N. Hoda, Director, BVICAM, Delhi, India**

**Prof.(Dr.) Prem Nath, Department of Computer Science, Garhwal University**

**Prof.(Dr.) Bibhuti Saran, IEC Group of Institutions**

**Dr. Vishal Khatri, BPIT, Rohini**

**Dr. Pinaki Chakraborty, NSUT Dwarka**

**Dr. Ratish Kumar, Chandigarh University**

**Mr. Anuj Kumar, Sr. System Analyst, IBM Noida**



# Registration Fee:

Registration	Early Bird Reg.	Late Reg.
Corporate / Faculty / Academicians	INR 1000	INR 1200
Research Scholar	INR 500	INR 700
Attendee	INR 500	INR 700
Students	INR 300	INR 500

Payment once made will not be refunded

# Payment Mode:

Demand Draft in favor of **Tecnia Institute of Advanced Studies** payable at New Delhi.

**Online payment** NEFT / UPI for TIAS, New Delhi



Scan & Pay

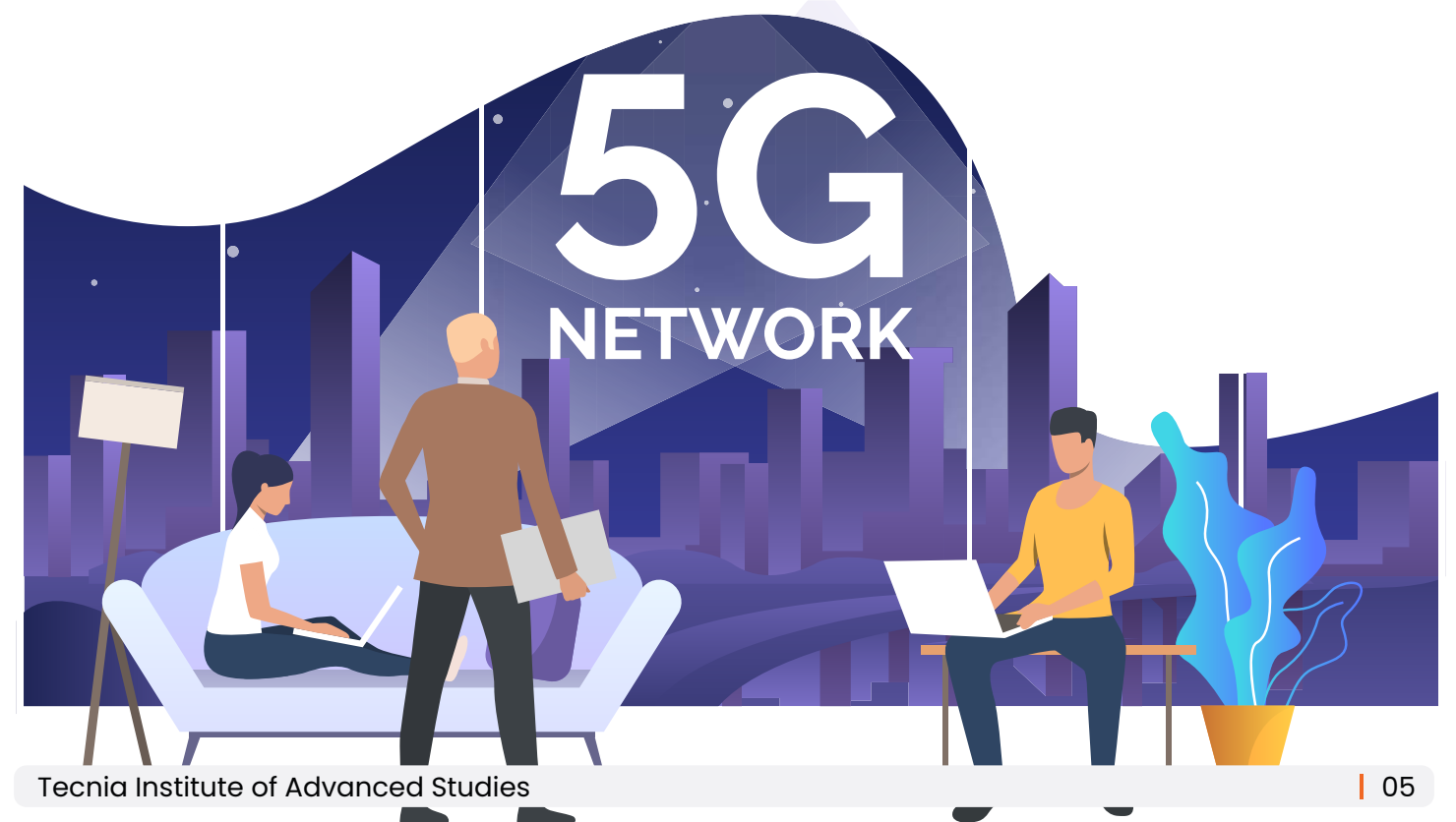


# Conference Outcomes :

- Transformation of industries and creating new opportunities using AI
- Creating awareness on latest technology of Artificial Intelligence
- Anticipating cybersecurity threats and building resilience
- Potential to change user mobile experience through 5G
- Revolutionizing industries through 5G and its impact on customers
- 5G can provide higher multi-Gbps peak data speeds.
- 5G can provide ultra low latency.

# Important Dates:

- Submission for Abstract - 10<sup>th</sup> Oct. 2023
- Acceptance Notification - 15<sup>th</sup> Oct. 2023
- Submission for Full Paper - 20<sup>th</sup> Oct. 2023
- Conference Date - 09<sup>th</sup> Dec. 2023



# Sub Theme:

## 5G

- Cognitive Radio in 5G Networks
- Big Data in 5G Networks
- Network Function Virtualization in 5G
- Channel Modelling in 5G Networks
- Mining query optimization
- Web Database and filtering text
- Database and information system
- Temporal Database

## Cyber Security

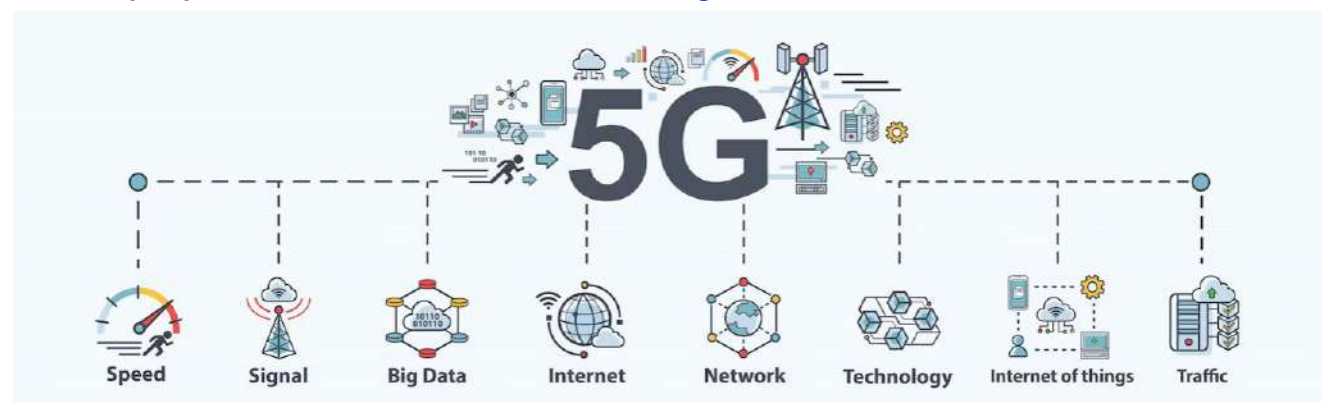
- Intrusion Detection Security
- Network Security
- Cloud Security

## Artificial Intelligence

- Knowledge Management
- Ontology based Information Retrieval
- Optimization
- Data Mining
- Natural Language Processing
- Reinforcement Learning
- Computer Vision
- Robotics
- Deep Learning
- Evolutionary Computation
- Recommendation System

# Call For Paper

Department of Information Communication and Technology, Tecnia Institute of Advanced Studies (TIAS), New Delhi, invites all the faculty members, research scholars/students, practitioners, and academicians to submit and present their research papers at National Conference on “Recent Trends in 5G Technology & Artificial Intelligence” scheduled on Dec 09<sup>th</sup>, 2023. Authors are requested to submit a soft copy of the complete research paper at [tiasconference23@gmail.com](mailto:tiasconference23@gmail.com)



# Abstract & Research Paper Submission Guidelines:

Authors are requested to prepare their abstract and paper submissions and send a soft copy through email at [tiasconference23@gmail.com](mailto:tiasconference23@gmail.com). The authors are requested to adhere to the following guidelines:

- Every paper must be accompanied by a cover page, which should include the title of the paper, name(s) of the author(s) and their affiliations, resident country and the complete postal and e-mail addresses and telephone numbers of the authors.
- The Research Papers should be in a Word Document format, Times New Roman, 12-point font size with single line spacing, 1-inch margins single column and APA style of referencing.
- The Word Limit for Research Paper is limited to 4500 words and must include the following: Title, Objectives of the study, Methodology, Findings, Conclusion/Implications/ Recommendations. Limitations (if any), Acknowledgments (if appropriate), References, Appendices (if appropriate).
- Abstracts should be limited to 350 words. The Research Paper Should Included upto 5 Keywords
- The Institute has a strict anti-plagiarism policy, therefore, the authors must ensure the originality of the work.
- Selected candidates will be informed through mail. The decision of the Review Committee regarding the selection of papers will be final and binding.

## Publication

Selected research papers duly approved by the editorial team will be published in high-impact peer-reviewed journals like UGC- Care, Scopus, SSCI and ABDC listed Journals depending upon the quality norms of the research paper and applicable publication fee.