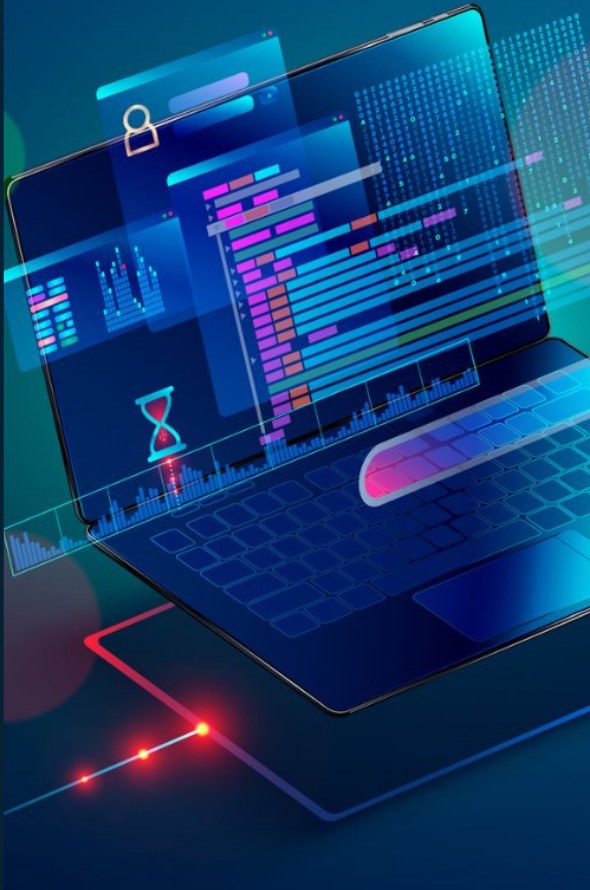


“Knowledge Partner”



JYOTI NIVAS  
COLLEGE  
AUTONOMOUS  
BENGALURU

REACCREDITED BY NAAC WITH 'A+'  
GRADE IN THE FOURTH CYCLE IN 2021



## CTFSCIT' 22

### NATIONAL LEVEL VIRTUAL CONFERENCE ON "CURRENT TRENDS AND FUTURE PERSPECTIVES IN COMPUTING AND INFORMATION TECHNOLOGY"

Organized by the Department of Computer  
Science [UG and PG] in Collaboration  
with ICT Academy



Chief Patron

**Dr. Sr. LALITHA THOMAS**  
Principal, Jyoti Nivas College  
Autonomous, Bengaluru

**23- 24 MARCH 2022**  
**9.30 AM - 04.00 PM**

ONLINE MODE



### IMPORTANT DATES

Call for  
Papers



Submission of Full paper:

31st January 2022

Notification of Acceptance:

28th February 2022

Author Registration:

10th March 2022

ALL PAPERS MUST BE SENT TO

[cs.research@jyotinivas.org](mailto:cs.research@jyotinivas.org)

### REGISTRATION LINK

<https://forms.gle/q7jPCebE5UpXM21N9>

THE CONFERENCE LINK FOR PARTICIPATION WILL BE SHARED WITH ALL REGISTERED PARTICIPANTS.  
ALL REGISTERED PARTICIPANTS WILL BE AWARDED E-CERTIFICATES.

## ABOUT THE COLLEGE

Jyoti Nivas College is a minority Christian College founded by the Sisters of St. Joseph of Tarbes. It is affiliated to Bengaluru City University. Since its inception in 1966, Jyoti Nivas College has remained steadfast to one central commitment- to provide a balanced, comprehensive education in Arts, Science and Commerce, aimed at turning out intellectually enlightened, morally upright, spiritually oriented and socially committed young persons. In recognition of its merit and achievements, Jyoti Nivas was conferred with the title of College of Excellence by UGC in 2014.

## ABOUT THE CONFERENCE

The National Conference on Current Trends and Future Perspectives in Computing and Information Technology, to be held Online, 23 - 24 March 2022, is a forum for researchers and practitioners in academia, industry, and government to address the resulting profound challenges and to present and discuss the most recent innovations, trends, results, and experiences on several perspectives/aspects of Computer Science and Information Technology.

We hope that the keynote addresses, technical talk and paper presentations from the eminent and highly renowned industry & academic experts, will provide an opportunity to the participants to fortify their knowledge in the area of research and development.

We invite submissions on a wide range of research topics, spanning both theoretical and systems research. All submissions will be reviewed on the basis of relevance, originality, importance and clarity. The topics of interest include, but are not limited to:

### Conference Tracks

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#### Track 1: Communication Technology

- Ad-hoc Wireless and sensor Networks
- Applied Cryptography
- Mobile Network Design and Innovation
- Modulation & Signal Processing
- Autonomous and Adaptive Communication Systems
- Multiple Access Techniques
- Next Generation Networks and Services
- Communications Software Design
- P2P Communications and Networking
- Data Compression & Source Coding
- Radio Frequency Identification Technology and Applications
- Network and Information security
- Cloud Computing
- Internet of Things
- Human Computer Interface

#### Track 2: Soft Computing

- Optimization Techniques
- Intelligent Agents
- Causal Models
- Chaos Theory
- Machine Learning
- Morphic Computing
- Data Mining
- Game Theory
- Engineering and Business Applications of Soft computing
- Fuzzy Evolutionary Computation
- Neuro-Fuzzy-Genetic Algorithms
- Probabilistic Reasoning
- Fuzzy Modelling
- Swarm Intelligence
- Genetic Algorithms
- Hybrid Systems
- Immunological Computing

### Track 3: Image and Video Processing / Computer Vision

- Color and Multispectral Processing
- Image / Video Retrieval and Authentication
- Document Image Processing and Analysis
- Image / Video Watermarking Embedding and Detection
- Graphics and Visualization
- Augmented Reality
- Interpolation and Super-Resolution
- Image / Video Processing Applications
- Motion Detection and Estimation
- Image Feature Extraction
- Multi Camera Fusion
- Image Filtering and Enhancement
- Multiframe Image Restoration
- Stereoscopic and 3-D processing
- Image Pattern Recognition
- Video Analysis and Event Recognition
- Image Representation and Rendering
- Video Annotation and Editing
- Image / Video Compression
- Video Segmentation and Tracking
- Image / Video Coding and Transmission
- Wavelets and Multiresolution Processing

### RESEARCH PAPER SUBMISSION GUIDELINES

Research Articles related to the above mentioned areas and keeping with the scope of the Conference are invited from interested scholars and students.

- A maximum of 3 authors can participate in paper submission.
- 3000-4000 words or 5-6 pages are allowed for any paper/ manuscript. Authors are requested to follow the paper template as mentioned in the below link.  
[http://navajyotijournal.org/PaperTemplate\\_CTFSCIT22/PaperTemplate\\_CTFSCIT22.pdf](http://navajyotijournal.org/PaperTemplate_CTFSCIT22/PaperTemplate_CTFSCIT22.pdf)
- Manuscripts submitted to this conference will be deemed as they have not been published and are not under consideration for publication elsewhere.
- All papers will go through a double blind review process and plagiarism check.
- Papers approved by the conference committee will only be selected for paper presentation. Selected papers will be notified by email.
- The research papers selected for presentation will be published as conference proceedings in college research journal Navajyoti.

The best papers selected would be considered for publication in  
UGC CARE Journals of ICT Academy.

### PUBLICATIONS

Publication in ICTACT Journals – International Publications of ICT Academy:

The best papers selected in the Conference by the Conference Judges/Reviewers will be recommended for possible publication in the respective scopes of ICTACT Journals. These papers would be selected for publication after the peer review process by ICT Academy. ICT Academy currently publishes five International Journals – ICTACT Journal on Communication Technology, ICTACT Journal on Soft Computing, ICTACT Journal on Image & Video Processing, ICTACT Journal on Microelectronics. For more details visit [www.ictactjournals.in](http://www.ictactjournals.in)

## YOUNG SCHOLAR FORUM - PAPER PRESENTATIONS

This conference creates a platform to encourage and sharpen young minds to focus on innovation and research. Students from the Disciplines of Computer Science, Information Science, and Information Technology are invited to present their research papers in this forum. The student paper presentations will happen on 24th March 2022.

### ORGANIZING COMMITTEE

#### Chief Convenor

Dr. Sr. Lalitha Thomas  
Principal, Jyoti Nivas College Autonomous

#### Department of MCA

Dr. S. Irene Getzi  
Head

Dr. Shilpa Abhang  
Assistant Professor

Dr. Rajesh Dharmaraj  
Assistant Professor

Mrs. Swarnamugi M  
Assistant Professor

Dr. Senthil Vadivu M  
Assistant Professor

#### Department of Computer Science (UG)

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Head

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Ms. Vinodhini H  
Assistant Professor

Ms. Ruby Peter  
Assistant Professor

Ms. Sheril Sophia D'couth  
Assistant Professor

Ms. P. Margaret Savitha  
Assistant Professor

Dr. R Kokila  
Assistant Professor

Dr. Srinivas Narasegouda  
Assistant Professor

Ms. Celestine Jeena J  
Assistant Professor

### IMPORTANT DATES

Submission of Full paper: **31st January 2022**

Notification of Acceptance: **28th February 2022**

Submission of Camera Ready paper: **7th March 2022**

Author Registration: **10th March 2022**

### REGISTRATION

Paper Presenter (Research Scholar / Faculty) - 500/-

Paper Presenter (Student) - 100/-

Participants - Free Registration

<https://forms.gle/q7jPCebE5UpXM21N9>



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[cs.research@jyotinivas.org](mailto:cs.research@jyotinivas.org)

For more information, please visit conference website  
[https://jyotinivas.org/jnc-pg/ctfscit\\_22/index.html](https://jyotinivas.org/jnc-pg/ctfscit_22/index.html)