



# IJERT

ISSN : 2278-0181

[www.ijert.org](http://www.ijert.org)



## 1st International Conference on Advanced Computing Techniques (ICACT-2021)

Organized by

Department of Computer Science and Engineering  
Bapatla Engineering College, Bapatla

(Autonomous)

Affiliated To Acharya Nagarjuna University, Guntur

Approved by AICTE

# 20<sup>th</sup> & 21<sup>st</sup> May 2021



Dr. P. Pardhasaradhi, HOD,  
Professor, Department of CSE,

Bapatla Engineering College, Bapatla (Autonomous)

+91 8328578519, +91 9908963162

+91 7660932135, +91 9052784176

[becbapatla.ac.in/icact](http://becbapatla.ac.in/icact), [icact@becbapatla.ac.in](mailto:icact@becbapatla.ac.in)

## Bapatla Engineering College

Bapatla Engineering College (Autonomous) was established by Bapatla Education Society in the year 1981 and is reckoned for its academic excellence in Engineering & Sciences. It is a constituent institution of Acharya Nagarjuna University and is one of the best private engineering institutions in the southern region. BEC offers graduate courses in 9 disciplines with total intake of above 1000 students and 5 post-graduate courses in CSE, CAD/CAM(Mech), PE(EEE), SE(CIVIL) and CESP(ECE). All departments have well equipped laboratories in addition to the common facilities of workshops, central library, state-of-the-art central computing facility, sports facilities and Innovation Centres that house research and testing facilities for industrial projects and technology labs to promote inter-disciplinary research activities. The college is NAAC accredited.



## Department of CSE

The Department of Computer Science and Engineering is established in 1994 and has experienced, well-qualified, committed and motivated faculty with specializations in various streams. The department offers 4 year B.Tech Program in CSE, CSE with Data Science, CSE with Cyber Security and Masters in CSE. The CSE program was accredited thrice by NBA.

## Registration Details

### Important Dates

Conference Dates : 20th, 21st May 2021

Last Date for Submission of full papers: 05/05/2021

Notification of acceptance : 12/05/2021

Submission of camera ready papers and registration deadline: 16/05/2021

### Registration fees

	Indian participants (Rs/-)	Foreign participants (\$)
Academia	1000	25
Industry	1200	30
Attendees	250	5

### Publication Details

- All the papers are subjected to peer review process and accepted papers will be published in IJERT.
- Based on the authors choice, qualified papers can be forwarded to the following SCOPUS indexed journals.

Publisher	Journal Name
INASS	Journal of Intelligent Engineering and Systems
Chaoyang University of Technology	International Journal of Applied Science and Engineering
Tamkang University	Journal of Applied Science and Engineering

- The publication of such papers will be governed by the publication procedure of the respective journals.

### Paper submission guidelines

- Invited talks will be delivered by experts from industry and academia
- All accepted contributed papers based on their merit are given an opportunity to present orally
- All the sessions are conducted through online
- All the papers must be free from plagiarism. Similarity index must be less than 20%.
- All papers must be original and should not have been submitted to any other conferences or journals.
- Registration of at least one author per paper is mandatory
- Registration fee includes access to attend all technical sessions, participation certificate and publication charges
- At least one author must present the paper in the given time slot
- For more details visit [becbapatla.ac.in/icact](http://becbapatla.ac.in/icact),  
Contact: [icact@becbapatla.ac.in](mailto:icact@becbapatla.ac.in)

Paper Submission Link: <https://easychair.org/conferences/?conf=icact2021>



## Conference Theme

In recent years, advanced computational techniques play a vital role in the advancement of novel technologies. Machine learning, Cloud Computing, Artificial Intelligence, Natural Language Processing speeds up the industrial growth. Due to their heterogeneous nature, IoT has developed greater research potential for the wireless network community. With its open, scalable and interoperable architectures, IoT has benefited the emerging intelligent systems like Natural Language Processing [NLP], Cognitive Systems, Expert Systems and so on, to initiate artificial humanized computing architectures. IoT with its number of intelligent sensor nodes becomes capable enough to sense and respond even to the complex and irregular issues that emerge in the intelligent systems. All these technologies significantly contribute in the advancement in building intelligent solutions in decision making in an effective and efficient manner. Despite the hype, this research domain needs some research attention on some unexplored areas like smart sensing, high-performance computing, network modeling, security, and privacy. This International Conference on Advanced Computing Techniques [ICACT-2021] organized by Bapatla Engineering College, Bapatla, Andhra Pradesh, India on 20-21, May 2021 aims to gather the state-of-the-art research contributions in the evolving fields of Machine learning, Artificial Intelligence, Cloud computing, Natural Language Processing, IOT, and Security.

The First International Conference on Advanced Computational Techniques (ICACT) focuses on promoting the recent advances and innovations in the disciplines of Computer Science and Information Technology. The Conference offers an opportunity to bring scientists of different disciplines together, to discuss new issues, to tackle complex problems and to find advanced solutions breeding new trends in Computational Science. This Conference will also provide a platform for research community and industry to share the recent developments and to discuss about the discoveries in computational intelligence and informatics.

## Tracks

1. Data Mining
2. High Performance Computing
3. Machine Learning
4. Computational Intelligence
5. Soft Computing
6. Big Data Analytics
7. Grid & Cloud Computing
8. Deep Learning
9. Cognitive Computing
10. Image Processing
11. Artificial Intelligence
12. Computing Social Networks
13. Computer Vision
14. Information Security
15. Internet of Things
16. Bio Informatics
17. Geo Informatics
18. Computer Networks
19. Robotics
20. Other topics related to ICACT Theme

## Conference Committee

### Chief Patrons

**Sri. Burle Venkata Siva Rama Krishna**  
President, Bapatla Education Society.

**Sri. Manam Nageswara Rao**  
Secretary, Bapatla Education Society.

**Sri. Panguluri Bhavanarayana Chowdary**  
Jt. Secretary & Correspondent, BES.

**Sri. Chandrapati Venkaiah**  
Treasurer, Bapatla Education Society.

### Patrons

**Dr. V. Damodar Naidu**  
Principal, Bapatla Engineering College.

### Head of the Department

**Dr. P. Pardhasaradhi**  
Professor, CSE

### Conveners

**Dr. S. Rama Krishna**  
Assoc. Prof., CSE.

**Mr. K. Manideep**  
Asst. Prof., CSE.

**Dr. N. Sudhakar**  
Professor, CSE.

### Event Coordinators

**Prof. V. Chakradhar**  
Professor., CSE.

**Mr. K. Kishan Chand**  
Asst. Prof., CSE.

### Web & Publicity Committee

**Mr. A. Ravi Kishore**  
Asst. Prof., CSE.

**Mr. A. Gopinath**  
Asst. Prof., CSE.

### Advisory Committee

**Dr. Goh Hock Ann**  
Senior Lecturer, MultiMedia University, Malaysia.

**Dr. R. B. V. Subramaanyam**  
Prof., CSE & Chief Investigator E&ICT Academy, NIT Warangal.

**Dr. Atul Negi**  
Prof., Central University, Hyderabad.

**Dr. Gangadhar**  
Prof., ANU, Guntur.

**Dr. V. Ravi**  
IDRBT, Hyderabad.

**Dr. B. Padmaja Rani**  
Prof., JNTU, Hyderabad.

**Dr. P. Sammulal**  
Prof., JNTUH College of Engineering, Jagtial

**Dr. N. Rama Krishnaiah**  
Prof., CSE, JNTU, Kakinada.

**Dr. C. Nagaraju**  
Prof & Dean Research, Yogi Vemana University.

**Dr. J. I. Sheeba**  
Asst. Prof., CSE, Pondicherry Technological University, Pondicherry.

**Dr. S. Harish Kumar**  
Asst. Prof. & Ph.D Coordinator Amity University, Gwalior, Madhya Pradesh

## Organizing Committee

**Dr. PSV Vachaspati**  
Prof., CSE.

**Dr. SK Nazeer**  
Prof., CSE.

**Dr. T Satyanarayana Murthy**  
Assoc. Prof., CSE.

**Dr. D Kishore Babu**  
Assoc. Prof., CSE.

**Dr. Ravuri Daniel**  
Assoc. Prof., CSE.

**Mr. M Rajesh Babu**  
Asst. Prof., CSE.

**Dr. CH Ravindra Raman**  
Asst. Prof., CSE.

**Smt. Ch Mangamma**  
Asst. Prof., CSE.

**Mr. T Nagarjuna**  
Asst. Prof., CSE.

**Mr. K Arun Babu**  
Asst. Prof., CSE.

**Mr. V Naveen Kumar**  
Asst. Prof., CSE.

**Mr. R Pavan Karthik**  
Asst. Prof., CSE.

**Mr. SNC Sekhar**  
Asst. Prof., CSE.

**Mr. J Kumar Raja**  
Asst. Prof., CSE.

**Mr. R Veera Mohan**  
Asst. Prof., CSE.

**Smt. M Karuna**  
Asst. Prof., CSE.

**Mr. J Madhan Kumar**  
Asst. Prof., CSE.

**Mr. P Nanda Kishore**  
Asst. Prof., CSE.

**Mr. G Ramesh Babu**  
Asst. Prof., CSE.

**Mr. B Prasanth Babu**  
Asst. Prof., CSE.

**Mr. K Ashok Babu**  
Asst. Prof., CSE.

**Smt. J Swaroopa**  
Asst. Prof., CSE.

**Mr. M Pavan Kumar**  
Asst. Prof., CSE.

## Publication Partner



ISSN : 2278-0181

[www.ijert.org](http://www.ijert.org)