

ICET 2022
**International conference on Emerging Trends: Innovations &
Challenges in Information Technology & Management**



The poster for ICET 2022 features a blue background with a subtle pattern of white lines and dots. At the top left is the BVIMIT logo, and at the top right is the Bharati Vidyapeeth logo. The main title 'ICET 2022' is in large, bold, white letters. Below it, the subtitle 'Online International Conference on Emerging Trends : Innovations & Challenges in Information Technology and Management' is written in smaller white text. The organizing institution, 'Bharati Vidyapeeth's Institute of Management and Information Technology, Navi Mumbai', is listed, along with its accreditation status. The dates '24th and 25th June, 2022' are prominently displayed. A photograph of a modern, multi-story yellow building with a blue canopy is shown in the center. At the bottom, the full name of the institute, its location, and contact information are provided.

BVIMIT **ICET 2022**

Online International Conference
on
**Emerging Trends : Innovations
& Challenges in Information Technology and Management**

Organized by
**Bharati Vidyapeeth's
Institute of Management and Information Technology
Navi Mumbai**
(NBA Accredited, Affiliated to University of Mumbai)

Dated on
24th and 25th June, 2022



**BHARATI VIDYAPEETH'S
Institute of Management and Information Technology**
(NBA Accredited)
Sector- 8, CBD, Belapur, Navi Mumbai - 400 614.
Phone : 022-2757 8415
Visit us : www.bvimit.co.in

Convener: Dr. Priya Chandran, Dr. Pratibha Deshmukh

Co-Convener: Ms. Sudeshna Roy, Ms. Shubhangi Mahadik

ABOUT ICET 2022

IMPORTANT DATES

Abstract Submission : 04th April 2022
 Full Paper Submission : 20th May 2022
 Acceptance Notification : 04th June 2022
 Last date for Registration: 15th June 2022

PAPER SUBMISSION

- Submit only novel, previously unpublished papers in the area of computer applications and Information Technology. The first page of the manuscript must include the title, authors with affiliations and detailed address including email, abstract and at least 5 keywords. Papers are to be submitted through email: bvimitconference@bharativedyapeeth.edu
- All papers will be carefully reviewed by experts and reviews will be reverted to the author(s) with comments to ensure the high quality of the accepted papers.

REGISTRATION

- Registration of all the authors is mandatory for the publication of papers.
- Only authors are allowed to present their papers in the conference according to the program schedule.
- Participation certificate will be issued only to the registered participants.
- All correspondence will be done with the authors through email only.
- Visit www.bvimit.co.in for conference updates.
- To download registration form, copy right form and paper template visit the website.

REGISTRATION FEES

Students/Faculty/Research Scholars - Rs. 800/-
 Industry Delegates - Rs. 1500/-
 Foreign Delegates - \$ 50


PAYMENT DETAILS

Payment through NEFT

| | |
|-----------------|---------------------------------|
| College Name | BVIMIT, Navi Mumbai |
| Bank Name | Bharati Sahakar Bank Ltd., Pune |
| Bank Account No | 088003300010427 |
| IFSC Code | SVCB0010008 |

Google Pay: 9869380620
 Website link: <https://bvimit.co.in/bvimit-ICET2022.php>

For more details contact
 Dr. Priya Chandran 9869052255
 Dr. Pratibha Deshmukh 9892068380




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ABOUT BHARATI VIDYAPEETH

Bharati Vidyapeeth was established in 1964 by Dr. Patangrao Kadam working on the theme, "Social Transformation through Dynamic Education" keeping the objective of intellectual awakening and all round development of people in different spheres such as education, economic, social and cultural fields in India. Today it has created history by establishing 169 educational institutes imparting education from the pre-primary stage to post graduate stage.

ABOUT INSTITUTE

To keep pace with the modern times, the year 2002 marked the establishment of Bharati Vidyapeeth's Institute of Management & Information Technology. At BVIMIT, we impart I.T Management education to meet the demand of the I.T. Industry. At BVIMIT, learning becomes a wonderful experience, using a mix of Exploration, Exchange, and Interaction and imparting knowledge to churn the students for the industry. This also prepares the students to handle the day to day complex problems arising in the IT sector and perform outstandingly in the IT world by imparting the requisite skill sets.

ABOUT ICET 2022

International Conference on Emerging Trends: Innovation and Challenges in IT & Management is organized by BVIMIT, Navi Mumbai for the presentation of technological advancement and research in the field of theoretical, experimental and applied area.

ICET 2022 has a profound influence on all the braces of computer applications, computer science and management as well. New technologies are constantly emerging which are enabling application in various domains and services.

- All accepted papers will be published in the conference proceedings in the International Journal of Computer Applications (IJCA)
- E-certificate will be given to all participants who duly submit and present paper.
- The conference is associated with Scopus Indexed International Journal, published by Springer.
- Selected papers will be published in Scopus Indexed Journal at no extra Publication Fees upto six pages.

CHIEF PATRON

Hon'ble Dr. Shriharaj Kadam, Chancellor Bharati Vidyapeeth (Deemed to be University), Pune.
 Hon'ble Dr. Vishvajet Kadam, Pro-Vice Chancellor and Secretary, Bharati Vidyapeeth (Deemed to be University), Pune.
 Hon'ble Dr. Manikrao Salunkhe, Vice Chancellor, Bharati Vidyapeeth (Deemed to be University), Pune.

PATRONS

Dr. V. J. Kadam, Director, Educational Complex, Navi Mumbai.

GENERAL CHAIR

Dr. Suhasini Vijaykumar, Principal,
 BVIMIT, Navi Mumbai

CONVENER

Dr. Priya Chandran, Assistant Professor
 Dr. Pratibha Deshmukh, Assistant Professor

CO-CONVENER

Ms. Shubhangi Mahadik, Assistant Professor
 Ms. Sudeshna Roy, Assistant Professor

CALL FOR PAPERS

ICET 2022 is the premier forum for the presentation of new advances and research in the fields of IT. The conference will bring together academicians, leading researchers, engineers and scientists in the domain of interest in and around the country. Topics of interest for submission include, but not limited to:

- Artificial Intelligence tools and applications
- Big Data and Data Analytics
- Business Intelligence
- Distributed and Parallel Computing
- Embedded System
- Human computer Interaction & User Experience Design
- Image Processing and Pattern recognition
- Internet of Things
- Machine learning & Deep Learning

- Networking and Communications
- Multimedia and Computer Graphics
- Natural Language Processing
- Robotic Process Automation
- Search Engine Optimization
- Software Engineering
- Web Applications and Web services
- Digital and Cyber Security
- Virtual Reality and Augmented Reality
- Quantum Computing

ADVISORY COMMITTEE

Dr. Sri Ganesh Thotempudi, Heidelberg University, Germany
 Mr. Siddharth Sengupta, Director AWS Business Unit, TCS, USA
 Dr. Resmi Ramachandran Pillai, Linköping University, Sweden
 Mr. S. Vaddadi, Managing Director, SSIT Inc, San Jose, California
 Dr. Gopakumar Thampi, Principal, TSEC, University of Mumbai
 Dr. Sachin Kadam, Director - ICT, Bharati Vidyapeeth University, Pune
 Dr. Bindu Krishnan, Professor & Head, Dept of Data Science, CS & IT, Jain University, Kerala
 Dr. Rajeev R R, Programme Head, ICFOS, Kerala
 Dr. Avinash Sharma, Principal, Maharshi Markandeshwar Eng. College, Haryana.
 Dr. Narendra M. Shekhar, HOD CS, D.J. Sanghvi College of Engineering, Mumbai
 Dr. Ganesh Magar, HOD, PG Dept. of CS, SNDT University

ORGANIZING COMMITTEE

Dr. Jyoti Kharade, Associate Professor, BVIMIT
 Ms. Shrawani Pawar, Assistant Professor, BVIMIT
 Mr. Shambhu Rai, Assistant Professor, BVIMIT
 Ms. Gunjan Behl, Assistant Professor, BVIMIT
 Ms. Nidhi, Assistant Professor, BVIMIT
 Ms. Rasika Patil, Assistant Professor, BVIMIT
 Dr. Kirti Muley, Assistant Professor, BVIMIT
 Mr. Manish Kumar, Assistant Professor, BVIMIT

International conference on Emerging Trends: Innovations & Challenges in Information Technology & Management, ICET 2022, organized by Bharati Vidyapeeth's' Institute of Management & information Technology on 24th and 25th June 2022.

ICET 2022 is organized for the presentation of technological advancement and research in the field of theoretical, experimental and applied area. ICET 2022 has a profound influence on all the braces of computer applications, computer science and management as well. New technologies are constantly emerging which are enabling application in various domains and services.

Our conference is associated with two journals. Conference proceedings will be published in

International Journal of Computer Applications and also the best quality papers will be published in International Journal of Information Technology, which is Scopus indexed and published by Springer Nature. Total 124 papers received in the conference and after checking plagiarism the papers were sent for blind review. After the review process, 39 papers were selected for presentation. The conference started with the welcome and opening ceremony on first day at 11.00 am.

After the welcome address, the chief guest and Keynote speaker Dr. Atul M. Gonsai, Department of Computer Science, Saurashtra University, Rajkot and Guest of Honour- Mr. Vinay Arora, Delivery Head-Security, NGM India FS(senior Consultant) at TCS, addressed the conference. Chief Guest and Keynote speaker shared knowledge and rich experience of application of ICT in their companies.

The paper presentations were scheduled in 5 tracks. The first three tracks were conducted parallel on first day of conference after lunch break and the remaining two tracks were conducted parallel on second of conference.

Hundreds of attendees, paper presenters and students have benefited in many ways from this conference.

Hundreds of attendees, paper presenters, keynote speakers & students have benefited in many ways from this conference. 26 papers were presented by author's. Invited; Keynote & Speakers from different domain addressed audience and shared knowledge and rich experience of application of ICT in their companies.

CONFERENCE SCOPE

ICET 2022 is the premier forum for the presentation of new advances and research in the fields of IT. The conference will bring together academicians, leading researchers, engineers and scientists in the domain of interest in and around the country. Topics of interest for submission include, but not limited to:

- | | |
|---|---|
| » Artificial intelligence tools and applications | » Machine learning & Deep Learning |
| » Big Data, Data Analysis and Data Mining | » Multimedia and Computer Graphics |
| » Business Intelligence | » Natural Language Processing |
| » Distributed and Parallel Computing | » Robotic Process Automation |
| » Embedded System | » Search Engine Optimization |
| » Human computer interaction & User Experience Design | » Software Engineering |
| » Image Processing and Pattern recognition | » Web Applications and Web services |
| » Internet of Things | » Digital and Cyber Security |
| » Networking and Communications | » Virtual Reality and Augmented Reality |
| | » Quantum Computing |

WELCOMING AND OPENING CEREMONY

DAY 1 – 24th JUNE 2022

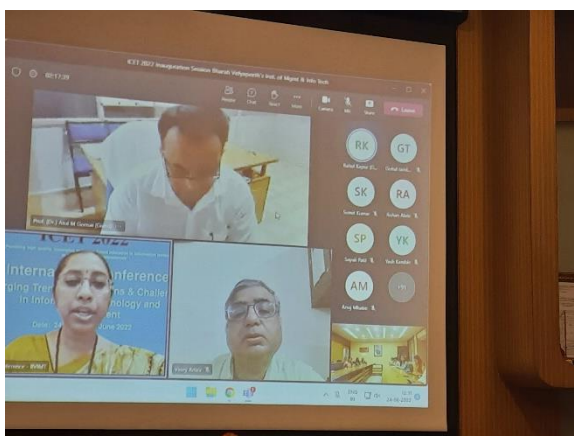


The conference started with the welcoming and opening ceremony at 11:00 a.m. the welcome speech was delivered by Dr. Priya Chandran , Convener, ICET 2022 followed by Saraswati Vandana and Lightening of Ceremonial Lamp. Inaugural speech was given by Dr. Suhasini Vijaykumar, Principal, BVIMIT.

After the inaugural speech, Dr. Pratibha Deshmukh ,Convener, ICET 2022 introduced **Chief Guest & Keynote Speaker** – Dr. Atul M. Gonsai, Department of Computer Science, Saurashtra University, Rajkot. The topic of the session was on “ Research Trends in Artificial Intelligence”

Prof..Sudeshna Roy, Co-Convener, ICET 2022 introduced **Guest of Honour-** Mr.Vinay Arora ,Delivery Head-Security,NGM India-FS(senior Consultant)at Tata Consultancy Services. He discussed about “Current Trends in Cyber Security”.

The inaugural session was concluded with vote of thanks by Prof. Shubhangi M, Co-Convener, ICET 2022



TECHNICAL SESSIONS – TRACK 1, 2 and 3

Paper presentations were started after lunch break. Attendees, paper presenters, keynote and participants, students have benefited in many ways from this conference. 34 scientific papers were presented by authors from different institutes in Technical Sessions that were held in Track1, 2, 3, 4 and 5.

Following were the Panel members for each track in day 1:-

TRACK 1 :-

Session Chair :

Dr.Dhanamma Jagli Deputy HOD.Dept. of MCA,V.E.S Institute of Technology, Chembur,

Dr. Priya Chandran Asst. Professor, BVIMIT Navi Mumbai

TRACK 2

Session Chair :

Dr. Swasthimathi L.S. , MCA Dept.,SISE College

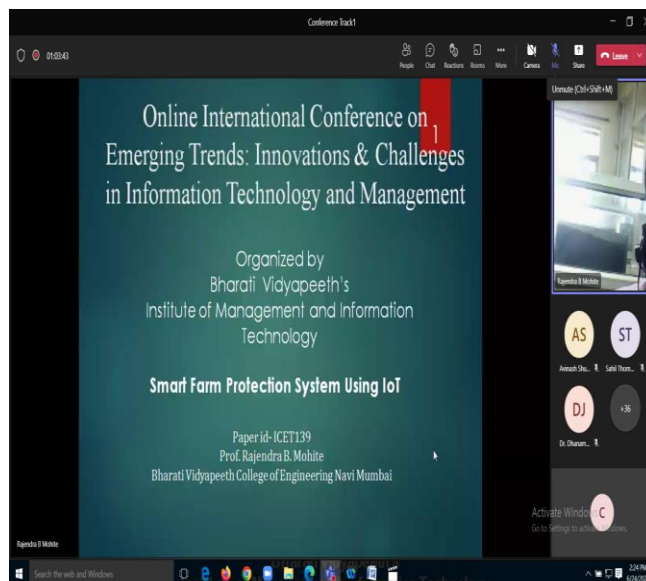
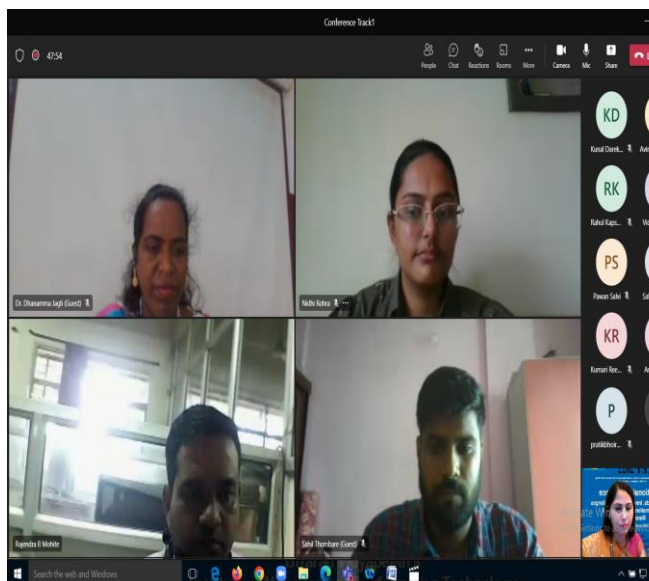
Dr. Pratibha Deshmukh Asst. Professor, BVIMIT Navi Mumbai

TRACK 3:-

Session Chair :

Dr. Jyoti Kharade,Associate Professor,BVIMIT Navi Mumbai

Dr. Kirti Muley, Asst. Professor, BVIMIT Navi Mumbai



TECHNICAL SESSIONS – TRACK 4 and 5

DAY 2 – 25TH JUNE 2022

TRACK 4:-

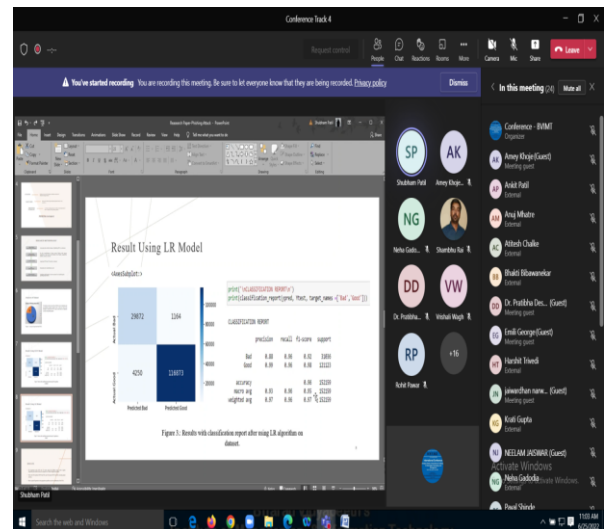
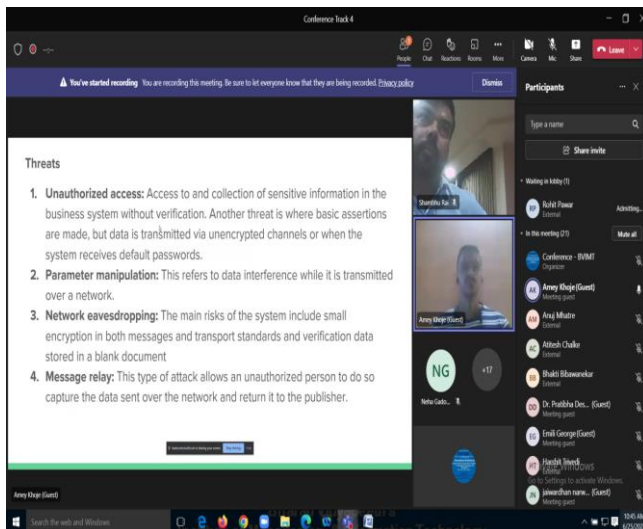
Session Chair:

1. Dr. Suhasini Vijaykumar, Principal, BVIMIT, Navi Mumbai
2. Dr. S.S. Rai Asst. Professor, BVIMIT Navi Mumbai

TRACK 4:-

Session Chair:

1. Dr. Jyoti Kharade, Associate Professor, BVIMIT Navi Mumbai
2. Dr. Kirti Muley, Asst. Professor, BVIMIT Navi Mumbai



Valedictory Function

The conference was concluded with vote of thanks by Dr. Priya Chandran and Dr. Pratibha Deshmukh, convener, ICET 2022.



TEAM ICET-2022