



RayatShikshanSanstha's

YashwantraoChavan Institute of Science, Satara

(Autonomous)

Constituent College, KarmaveerBhauraoPatil University, Satara, Maharashtra, India

NAAC Reaccredited at A⁺⁺ Grade with CGPA: 3.61 in 4th cycle, UGC-CPE-II, DBT-STAR, DST-FIST,
RUSA Excellence, UGC-PARAMARSH, ISO: 9001-2015

Organises

2nd National Conference on

“Recent trends in Computer Science and Engineering”

(RTCSE-2025)

Organized by

School of Computational Sciences



(13-15 February, 2025)



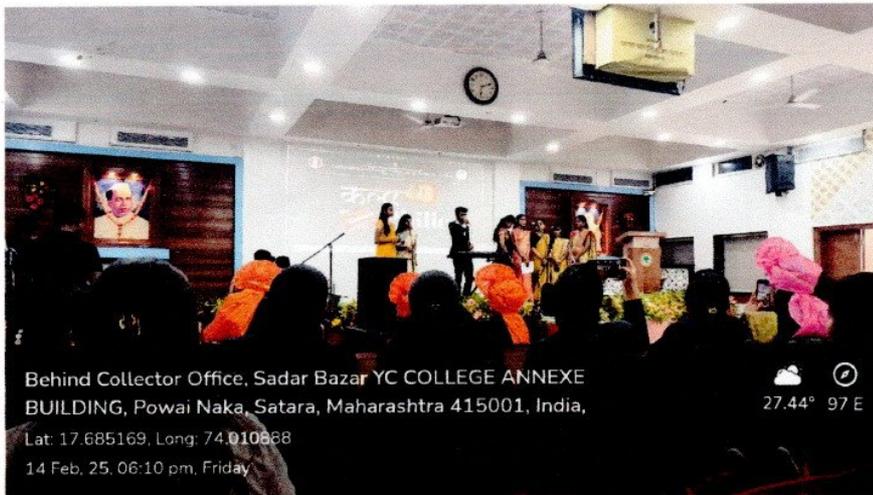
Satara, Maharashtra, India
188, Uttakar Nagar, Satara, Maharashtra 415001, India
Lat 17.685248° Long 74.010692°
14/02/2025 03:26 PM GMT +05:30



Satara, Maharashtra, India
Behind Collector Office, Sadar Bazar Yc College Annexe
Building, Powai Naka, Satara, Maharashtra 415001, India
Lat 17.685067° Long 74.010752°
14/02/2025 05:15 PM GMT +05:30

**MATLAB Toolbox for Computer Science
and Engineering :Ankit Kumar**

**Quantum Computing in the Era of Artificial
Intelligence:Dr.Ashok Sharma**



Behind Collector Office, Sadar Bazar YC COLLEGE ANNEXE
BUILDING, Powai Naka, Satara, Maharashtra 415001, India,
Lat: 17.685169, Long: 74.010888
14 Feb. 25, 06:10 pm, Friday

27.44° 97 E

Cultural Program



Satara, Maharashtra, India
 Behind Collector Office, Sadar Bazar Yc College Annexe
 Building, Powai Naka, Satara, Maharashtra 415001, India
 Lat 17.685039° Long 74.010907°
 15/02/2025 10:30 AM GMT +05:30



Satara, Maharashtra, India
 Behind Collector Office, Sadar Bazar Yc College Annexe
 Building, Powai Naka, Satara, Maharashtra 415001, India
 Lat 17.685082° Long 74.010902°
 15/02/2025 12:17 PM GMT +05:30

Industry Panel Discussion: Entrepreneur Development Startup Journey In IT/Computer Science

Ergonomically Designed Assistive Robot: Enhancing Elederly Care With Comfort Safety and Independence
Dr. Ata. Jahangir Moshayedi



Behind Collector Office, Sadar Bazar YC COLLEGE ANNEXE
 BUILDING, Powai Naka, Satara, Maharashtra 415001, India,
 Lat: 17.685049, Long: 74.010879
 15 Feb, 25, 04:05 pm, Saturday

30.64° 130 SE

Valedictory function


Principal
 Yashwantrao Chavan Institute of Science
 Satara.

REPORT

Date: 20/02/2025

2nd National Conference on
“Recent trends in Computer Science and Engineering”
(RTCSE-2025)-Satara

Details of Activity

Title of Activity: 2nd National Conference on “Recent trends in Computer Science and Engineering”

Duration: 13th to 15th February, 2025 (3 Days)

Attendee Number:

Organizing Committee Member:

Name of Collaborator:

Objectives of Activity:

1. To Promote Research and Innovation by Provide a platform for researchers and scholars to present their latest findings, exchange knowledge, and collaborate on innovative ideas in computational sciences and engineering.
2. To Explore Emerging Technologies and Foster discussions on cutting-edge technologies such as Artificial Intelligence (AI), Machine Learning (ML), Quantum Computing, Internet of Things (IoT), Blockchain, AR-VR, and Data Science.
3. To Encourage Entrepreneurial Mindset and Inspire students and professionals to explore startup opportunities, technological entrepreneurship, and emerging business models in IT and computer science.
4. To Enhance Skill Development by Conducting hands-on workshops, live demonstrations, and expert-led sessions to equip participants with practical skills and technical expertise.
5. To facilitate networking among professionals, students, and researchers for future collaborations and knowledge exchange.
6. To provide insights into global advancements and identify current challenges, trends, and future directions in computer science and engineering to contribute to academic and industrial growth
7. To Encourage Student actively Participation in various competition, exhibition and awards enhancing their knowledge and research capabilities.

Background:

The 2nd National conference on “Recent trends in Computer Science and Engineering” (RTCSE-2025) is significant initiative organized by the School of Computational Sciences, YashavantraoChavan Institute of Science, Satara, Constituent college of KarmveerBhauraoPatil University Satara. This event emphasizes the integration of cutting-edge technologies across computer science, artificial intelligence animation, bioinformatics, software development, and data science to foster innovation, solve real-world challenges, and drive the digital future. The event features distinguished speakers and offers oppourtunities for participantsto present research,exchange ideas, and establish collabrations.by leveranging cutting- edge technologies and traditional knowledge, the initiative aims to bridge the gap between academia,research and industry contributing to national global progress in computerscience and engineering.

Introduction

The 2nd National conference on “Recent trends in Computer Science and Engineering” hold on 13 -15th Feb 2025 at RayatShikshanSanstha’s, YashavantraoChavan Institute of Science Satara (Autonomous) Constituent college of KarmveerBhauraopatil University Satara.Organized by School of Computational Sciences. This three day hybrid mode event brought together academics,students,researchers and industry professionals from diverse discipline withinComputer Science and Engineering to explore themes cutting-edge technologies across computer science, artificial intelligence animation, bioinformatics, software development, and data science.

Key Highlights:

1. Participants:

- Over 350 attendees, including students,researchers and faculty members from across India and abroad.

2. Themes and Sub -Themes:

- Integration of cutting edge technologies across computer science, artificial intelligence, animation, bioinformatics, software development and data science for innovation.
- Entrepreneurship development in computer science.of

Sub –Themes:

Discussion included topics such as augmented reality (AR) and virtual reality (VR), quantum computing, cyber security cryptography, machine learning deep learning, AI in healthcare education, computational drug discovery etc.

3. Keynote address:

Hon’ble Chief guest Dr.Dnyandeo K. MhaskeVice Chancellor, KarmaveerBhauraoPatil University, Satara

4. Distinguished speakers

- Hon. Prof. (Dr.) Arvind D. Shaligram, CEO, SPPU Research Park Foundation, SavitribaiPhule Pune University, Pune.
- Hon. Dr Ashok Sharma Department of Computer Science and IT, University of Jammu.
- Mr. Rahul Bhide, SATKAAM, Pune
- Mr.Kartik Srinivasan, Chief Architect, IBM.
- Dr.S.M.Nimbale, Coordinator, Data Centre, YCIS, Satara
- Mr.S.S.Barkade, Coordinator, COEAID, YCIS, Satara
- Mr.Ankit Kumar Design Tech, Pune.
- Dr. Ata. Jahangir Moshayedi, Jiangxi University of Science AndTechnolgy, China.

5. Activities and Competition

- Poster Presentation (42 entries) and Oral Presentation (8 entries) showcasing innovative ideas.
- Cultural Programs (15 participant’s classical group singing group, solo singing instrumental orchestra) The cultural program celebrated art, music, and tradition, emphasizing how culture brings people together and showcases our rich heritage and diversity.

6. Sessions:

- A total of 6 thematic session covering (AR-VR) technologies, Quantum computing, Future technologies in AI, Datascience and computer science sector for entrepreneur development and start up.

- Alumni interaction and dedicated teachers meeting for knowledge sharing.

7. Valedictory Ceremony:

The event concluded with the distribution of prize in oral and poster presentation and distribution of participation certificates by Hon. Dr. B. T. Jadhav Principal, YashwantraoChavan Institute of Science, Satara and Hon. Prof. (Dr.) D. D. Namdas Dean, Science and Technology, KarmaveerBhauraoPatilUniverstiy, Satara. Followed by vote of thanks delivered by Mr.S. A. Doke, Coordinator B.Voc(Software Development), YCIS, Satara.

Description of Activity:

The 2nd National conference on “**Recent trends in Computer Science and Engineering**” hold on 13 -15th Feb 2025 at RayatShikshanSanstha’s, YashwantraoChavan Institute of Science Satara (Autonomous) brought together 300 participants from various countries, states and industry across the globe. This was three days National conference organized by School of Computational Sciences.

Day 1:Thursday, 13/02/2025

Morning Session:

- The day began with registration and breakfast from 9.00 AM to 10.00 Am, followed by the inauguration ceremony.
- The masters of ceremonies Ms.Pratikshagharge, extended a warm welcome to the dignitaries both on and off the dais,along with esteemed guests, faculty members and participants.
- The conference was started with the welcome address from Mr S. K. Shinde, Convener and Head Department of Electronics &Computer science YCIS Satara.
- Hon’ble Principal and President of this Conference Dr. B.T. Jadhav honoured the Chief Guest and the guest of honours with the token of appreciation by offering them memento and RayatVastra.
- All Dignitary on the dice lightning the lamp. Then the conference Souvenir was released by Hon’ble Chief guest, President of this conference, Vice-Principal’s and all Dean’s of YCIS Satara and all the dignitaries on the dice.
- Hon’ble Chief guest Dr.Dnyandeo K. Mhaske Vice Chancellor, KarmaveerBhauraoPatil University, Satara and Hon. Prof. (Dr.) Arvind D. Shaligram, CEO, SPPU Research Park Foundation, SavitribaiPhule Pune University, Pune.
- Dr. D. K. Mhaske sir said that importance of computational technology like Quantum Computing, AI, IoT explain through various examples.
- Prof. (Dr.) Arvind D. Shaligram sir guide us about conference then he said that I have capabilities, I have things to become a change.
- Hon’ble principal and President of this program Dr. B.T Jadhav delivered the presidential address calling attention to the fact that computational sciences play a vital role in today’s world. He also insisted that constant updation of technical knowledge in new research areas is necessary for the academic growth of oneself.
- Mr. R.V. Bhambure, Coordinator, of the National Conference presented the Vote of thanks.

SessionI Key Note Talk I “**Twenty First Century Paradigm Shift in Research and Education with emergence of Metaverse (AR-VR) Technologies.**”

- The sessionI focus on “**Twenty First Century Paradigm Shift in Research and Education with emergence of Metaverse (AR-VR) Technologies.**”He insisted that AR-VR Technology and importance of AR-VR technology through examples.
- Speaker included
 - **Hon. Prof. (Dr.) Arvind D. Shaligram**, CEO, SPPU Research Park Foundation, SavitribaiPhule Pune University, Pune.
 - **Hon’blePrincipal Dr. B. T. Jadhav**.YCIS Satara. : Session Chair

In the first day of National conference, the second session was Hon. Dr Ashok Sharma Department of Computer Science and IT, University of Jammu. He delivered a talk on "Quantum Computing in the Era of Artificial Intelligence and Its Upcoming Impact on the AI Industry". Also, He gave live demonstration for creating AI based model to our students. The chairperson of this session by Dr. G.S.Nivekar sir.

Afternoon Session:

After networking lunch from 1.30-2.30 PM, the afternoon was dedicated to parallel sessions and competitions.

Oral Presentations

An Oral presentation session was going on, at auditorium, 3 Oral were presented. Judge for oral presentation was Dr. S. M. Nimbale.

Poster Presentation

At that same time, a poster presentation session was going on. In the last session of poster presentation, 42 posters were presented. The judge for poster presentation Mr. G.R. Attar, Dr. S. D. Jadhav and Dr. S. V. Marulkar.

Day 2 : 14 February 2025

Morning Session:

Second day commenced with **Breakfast** from **9.00 am – 10.00 am** followed by

session III : Entrepreneurship Development

Topics included Entrepreneurship development in a field of computer science and engineering. They also discussed some open problem in "Market Sizing and Recent Trends in Computing"

Esteemed speakers included : (Virtual Mode)

- Mr. Rahul Bhide, SATKAAM, Pune
- Mr. Kartik Srinivasan, Chief Architect, IBM.

Session IV : Panel discussion "Future Technologies (AI, Data Science, Blockchain) and Entrepreneur Development Startup Opportunities".

Topics included some open problem in "Future Technologies (AI, Data Science, Blockchain) and Entrepreneur Development Startup Opportunities". He insisted that today's youth should inculcate creative ideas and aim to become entrepreneur

Esteemed speakers included :

Dr. S. M. Nimbale, Coordinator, Data Centre, YCIS, Satara.

Mr. S. S. Barkade, Coordinator, COEAID, YCIS, Satara.

The chairperson of this session was Mr. Abhijeet Pawar, YCIS, Satara.

After IV Session : 2nd day Oral Presentation

Oral Presentation

An Oral presentation session was going on, at auditorium. Judge for oral presentation was Dr. S. M. Nimbale

Afternoon Session:

Post networking lunch from 1.30-2.30 PM, participants reconvened for next session

Session V: “MATLAB Toolbox for Computer Science and Engineering”

Topics included live hands-on examples of different Matlab Tools. And explained different Matlab APIs, How MATLAB Toolbox is use in for Computer Science and Engineering”.

Esteemed speakers included:

Mr.AnkitKumar Design Tech, Pune.

The chairperson of this session was Mr.R.P.Waghamare, YCIS, Satara.

Session VI: “Quantum Computing in the Era of Artificial Intelligence and Its Upcoming Impact on the AI Industry”.

Topics included He also discussed some open problem in “Quantum Computing in the Era of Artificial Intelligence and Its Upcoming Impact on the AI Industry”. Also He insisted that today’s youth should registered online free Fellowship for Students. This session was very inspiring the student.

Esteemed speakers included:

- Hon. Dr Ashok Sharma Department of Computer Science and IT, University of Jammu.
- The chairperson of this session was Mr.A.A. Pisal, YCIS, Satara

Cultural Program:

Cultural Programs (15 participant’s classical group singing group, solo singing instrumental orchestra) The cultural program celebrated art, music, and tradition, emphasizing how culture brings people together and showcases our rich heritage and diversity.

Day 3: 15 th February 2025

Morning Session:

Third day commenced with **Breakfast** from **9.00 am – 10.00 am** follwed by

Session VII : Panel Discussion “Entrepreneur Development Startup Journey In IT/Computer Science”

Topics included open problem in “Entrepreneur Development, Startup Journey in IT/Computer Science He insisted that today’s youth should inculcate creative ideas and aim to become entrepreneur.

Esteemed speakers included: Alumini of YCIS satara.

- VaradGodase, QHills Technologies Pvt. Ltd.,
- ShagunSalunkhe, Wow Animation,
- YashJagadale, TCS, System Engineer
- ,VivekSonawane, Programmer.
- The chairperson of this session was Mr.Shashikant K.Shinde, YCIS, Satara.

Session VIII : Key Note Talk “Ergonomically Designed Assitive Robot: Enhancing Elederly Care with Comfort Safety and Independence “

Topics included Ergonomically Designed Assitive Robot robot designed to assist humans in various tasks while prioritizing comfort ,safety and efficiency .explain applications such as Healthcare (Patientcare,rehabilitation),Home assistance (daily tasks,Mobility support) ,industrial settings (Liffing ,assembly)

Esteemed speakers included:

- Dr. Ata. Jahangir Moshayedi, Jiangxi University Of Science AndTechnolgy, China.
- The chairperson of this session was Dr. D. S. Jadhav, YCIS, Satara.

Third Day Oral Presentation :

An Oral presentation session was going on, at auditorium.8 oral presentations were presented Judge for oral presentation was Dr. S. M. Nimbale.

Valedictory function

- The valedictory function of The 2nd National conference on “Recent trends in Computer Science and Engineering” YCIS, Satara was held on 13 -15th Feb 2025,
- Mr.S.K.Shinde sir shorty introduced marking the successful of the 3days National conference event
- .Mr.S.M.Nimbale sir gave summary of the Three-Day Conference. The conference featured keynote addresses, paper presentations, and discussions on mention key themes from 13 -15th Feb 2025.
- Few participants shared their feedback of attending this conference, expressing about their excitement of learning and technology provided by college.
- Price distribution ceremony of Oral & Poster presentation to particular participants. Hon. Prof. (Dr.) D. D. NamdasDean, Science and Technology, Karmaveer BhauraoPatil Universtiy, Satara highlighted the importance of recent treands for computer science students.and guide us.
- WhilePresident:Hon. Dr. B.T.JadhavPrincipal, YashavantraoChavanInstituteofScience, Satara emphasized the significance of the conference outcomes.
- Mr.S. A. Doke, Coordinator B.Voc(Software Development), YCIS, Satara delivered Vote of Thanks expressed gratitude to speakers, participants, and organizers for making the event successful. That concludes a remarkable, memorable, knowledgeable conference.
- The National conference concluded with the Indian National Anthem, leaving a sense of pride and accomplishment among attendees.

Poster Presentation Rank Holders:

Oral Presentation Rank Holders:

Feedback of Activity:

- Over 350 attendees, including students, researchers and faculty members from across India and abroad. delegtes from 18 different colleges in India actively contributed.
Summary of feedback 250attendes as presented in graphical form.

Photos of Activity (Geo Tag)



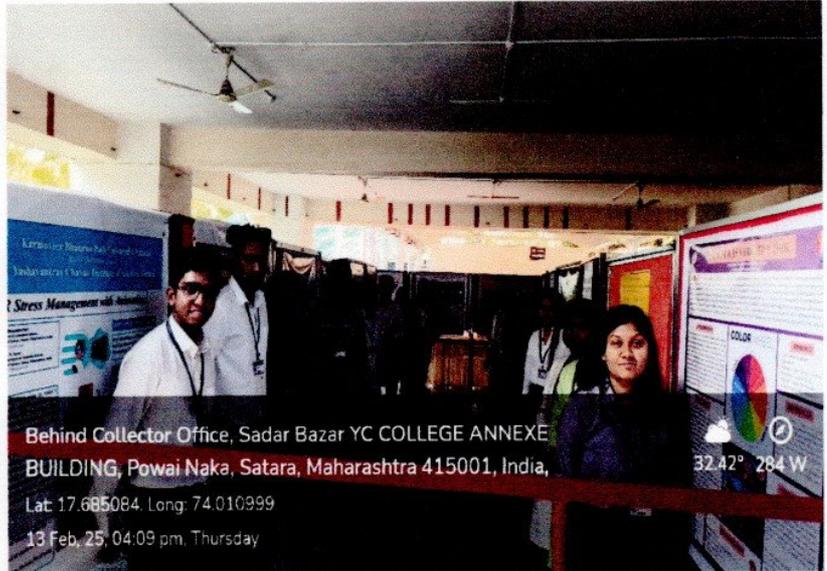
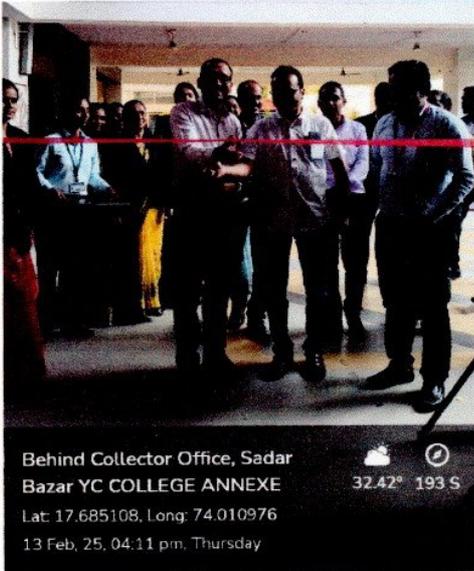
Inauguration Function



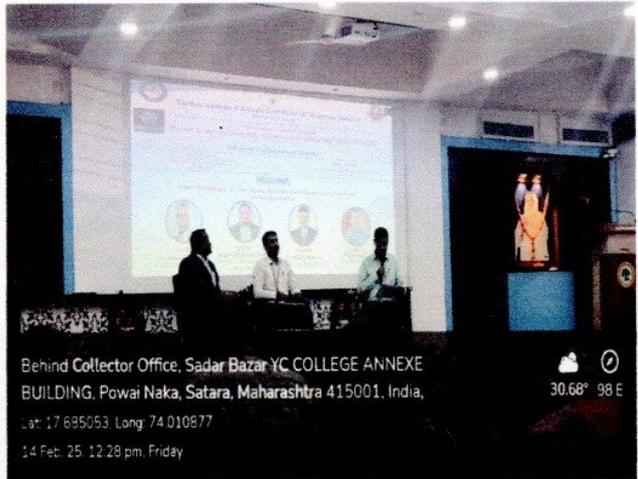
KeynoteTalk 1: Hon. Prof. (Dr.) Arvind D. Shaligram

KeynoteTalk 2: Hon. Dr. Ashok Sharma





Poster Presentation



Entrepreneur/Startup Panel Discussion: Mr. Rahul Bhide, SATKAAM, Pune and Mr. Kartik Srinivasan, Chief Architect, IBM.

**Future Technologies (AI, Data Science, Blockchain) and Entrepreneur Development Startup Opportunities
Dr. S.M. Nimbale and Mr. Sunil S. Barkade**