



Shankarlal Khandelwal Arts, Science and Commerce College, Akola.

(Reaccredited by NAAC Grade A with CGPA 3.01)
Affiliated to Sant Gadge Baba Amravati University, Amravati

International Interdisciplinary Virtual Conference on “Recent Advancements in Computer Science, Management and Information Technology” (RACSMIT-2023)

Wednesday, 15th March 2023

Organized By
Department of Computer Science
&
IQAC

Organizing Committee

Dr. J. M. Saboo

Principal

Shankarlal Khandelwal Arts, Science and Commerce College, Akola

Convenor

Dr. D. H. Pethkar

Head

Dept. of Computer Science

Organizing Secretary

Mr. N. R. Suradkar

Asst. Professor

Dept. of Computer Science

Joint Organizing Secretary

Mr. R. K. Shirsat

IQAC Coordinator

Treasurer

Mr. S. G. Dixit

Librarian

Education for Life and Life for Nation...

Theme of Conference

The main theme of conference is
“Recent Advancements in Computer Science, Management and Information Technology” (RACSMIT-2023)

Sub Themes:

- Computer and Information Science
- Computer Network and Security
- Artificial Intelligence & Machine Learning
- Data mining and Data Analytics
- Image and Video Processing
- Pattern Recognition
- IOT and Biometrics
- Human Computer Interaction
- Cloud Computing and Mobile Computing
- Data Centre and Virtualization Technology
- Applications of Computer Science and Engineering
- ICT uses for Green, Nano, Medicinal and Synthetic Chemistry
- Discrete Mathematics, Applied Mathematics and Graph Theory
- Material Science, Sensor, laser and Nano Technology
- Bioinformatics and Forensic Science
- Block chain Technology and its application
- Biotechnology & Agriculture Science
- Biochemistry & Genetics
- Digital Marketing
- Ethical issues and Social responsibility
- ICT role in Higher Education
- Environmental benefits of Information Technology

<p style="text-align: center; background-color: #f4a460; margin: -10px -10px 10px -10px;">International Advisory Committee</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>Dr. V. B. Patange Cogni Science LLC Sr. Enterprise Cloud Data/Inf. Arc. Washington DC</p> <p>Mr. Nilesh Bhandarwar Senior Software Engineer at Microsoft Greater Seattle Area, USA.</p> <p>Mr. V. R. Dandge Sr. Software Consultant, Marina Bay Sands, Singapore.</p> <p>Mr. M. V. Warade BUPA Health Insurance & Care, Melbourne, Victoria-Australia</p> <p>Dr. Shubhalaxmi Joshi Asso. Dean, Faculty of Science, MIT World Peace University, Pune</p> <p>Dr. Sumegh Tharewal School of Computer Science, MIT World Peace University, Pune</p> <p>Dr. S. B. Dabhadre School of Mgmt. Studies, NFSU, Gandhinagar, Gujarat.</p> <p>Dr. P. R. Kaveri MBA (DT) and MSc CA Symbolic Institute of Computer Studies and Research, Pune</p> <p>Dr. S. M. Barahate Dept. of Computer Science, RTMN University, Nagpur.</p> </div> <div style="width: 48%;"> <p>Dr. M. P. Dhore Principal & Head, Dept. of Computer Science, Shri. Shivaji Science College, Nagpur.</p> <p>Dr. S. S. Lomte Principal & Head, Dept. of Computer Science, Radhal College, Aurangabad.</p> <p>Dr. S. S. Sherekar PG Dept. of Computer Science & Engg., SGBAU, Amravati</p> <p>Dr. A. P. Chendke Dept. of Computer Science, H.V.P.M., Amravati</p> <p>Dr. Avinash Kadam Dept. of Computer Science, Shri. Shivaji College, Chikhali, Dist. Buldhana</p> <p>Dr. P. E. Ajmire HOD, Dept. of Computer Science, G.S. College, Khangaon, Dist. Buldhana</p> <p>Dr. M.M. Bhonde Head Dept. of Computer Science, Shivaji Science College, Dist. Amravati</p> <p>Dr. N. M. Jathe HOD, Dept. of Computer Science, Narasimha College, Amravati.</p> </div> </div> <p style="text-align: center; background-color: #f4a460; margin-top: 10px;">Local Organizing Committee</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>Mr. Rohan K. Shirsat IQAC Co-ordinator</p> <p>Dr. Shivaji N. Nagare</p> <p>Dr. Prashant M. Pisolkar</p> <p>Dr. Sanjay K. Devade</p> <p>Dr. Jayshree A. Sakalkale</p> <p>Mr. Sumedh A. Kawale</p> <p>Mr. R. P. Patil</p> <p>Mr. Ravindra P. Rewaskar</p> <p>Mr. Nishikant D. Deshpande</p> <p>Mr. Akash A. Kulkarni</p> </div> <div style="width: 48%;"> <p>Ms. Dimple D. Mapari Co-ordinator NAAC Steering Committee.</p> <p>Dr. Prasanna S. Pande</p> <p>Dr. Aarti R. Deshpande</p> <p>Dr. Priyakumari J. Khillare</p> <p>Dr. Nilima Sarap</p> <p>Dr. Arun M. Shelke</p> <p>Dr. Archana M. Khandelwal</p> <p>Dr. Chandrashekar B. Kadu</p> <p>Dr. Piyush U. Nalhe</p> </div> </div> <p style="text-align: center; background-color: #f4a460; margin-top: 10px;">All Teaching and Non-Teaching Staff</p>	<p style="text-align: center; margin: -10px -10px 10px -10px;">Chief Patron</p> <p style="text-align: center;">Dr. Prasad A. Wadegaonkar Pro - Vice Chancellor, Sant Gadge Baba Amravati University, Amravati.</p> <p style="text-align: center; margin-top: 10px;">Our Patrons</p> <p>Hon. Dr. Taratal Hatwale President, Shikshan Prasarak Mandal, Akola</p> <p>Hon. Gopalji Khandelwal Secretary, Shikshan Prasarak Mandal, Akola</p> <p>Hon. Rajkumarji Chaware Vice President, Shikshan Prasarak Mandal, Akola</p> <p>Hon. Arunji Kulkarni Vice President & Treasurer, Shikshan Prasarak Mandal, Akola</p> <p>Hon. Rekhtal G. Khandelwal Member, Shikshan Prasarak Mandal, Akola</p> <p>Hon. Adv. Rajeshwarji R. Deshpande Member, Shikshan Prasarak Mandal, Akola</p> <p>Hon. MLC, Vasanji M. Khandelwal Member, Shikshan Prasarak Mandal, Akola</p> <p style="text-align: center; background-color: #f4a460; margin-top: 10px;">Organizers</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>Dr. J. M. Saboo Principal Shankarlal Khandelwal College, Akola</p> <p>Convenor Dr. D. H. Pethkar Head Dept. of Computer Science</p> <p>Treasurer Mr. S. G. Dixit Librarian</p> </div> <div style="width: 48%;"> <p>Organizing Secretary Mr. N. R. Suradkar Asst. Professor Dept. of Computer Science</p> <p>Joint Organizing Secretary Mr. R. K. Shirsat IQAC Co-ordinator</p> </div> </div> <p style="text-align: center; margin-top: 10px;">Email id: racsmi2023@gmail.com Website: https://khandelwalcollege.edu.in/</p>	<p style="font-size: small;">Shikshan Prasarak Mandal, Akola</p> <p>Shankarlal Khandelwal Arts, Science and Commerce College, Akola. (Reaccredited by NAAC Grade 'A' with CGPA 3.01) affiliated to Sant Gadge Baba Amravati University, Amravati</p> <p style="font-size: small;">पदमनाथ श्रीगणेशाय नमः</p> <p style="background-color: #003366; color: white; padding: 5px; text-align: center;">International Interdisciplinary Virtual Conference on “Recent Advancements in Computer Science, Management and Information Technology” (RACSMIT-2023)</p> <p style="background-color: #003366; color: white; padding: 5px; text-align: center;">Wednesday, 15th March 2023</p> <p style="background-color: #003366; color: white; padding: 5px; text-align: center;">Organized By Department of Computer Science and IQAC</p> <p style="font-size: small; margin-top: 10px;">- Venue - “Godbole Sabhagruh” Shankarlal Khandelwal College, Godbole Plot, Akola. (Live Program available on College YouTube Channel)</p>
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“Education for Life & Life for Nation”

▪ **Aim and Objectives:**

This conference aims to create a collaborative platform for bringing together technical experts across Industry, Academia and Professional Bodies to promote and contribute Innovation, research and developments in Computer Science, Management and Information Technologies. The motive of the conference is to provide the overseas experts' knowledge and inspire the young researcher and it is one of the platforms for exchanging the knowledge, ideas and technical skills.

The main objectives of this conference:

- ✓ To find the technological aspects and solutions for the current challenges in order to maintain sustainable development of a nation.
- ✓ To provide the latest knowledge on the conference aligned themes.

▪ **Inauguration Session:**

It started with the introductory speech of our Principal Dr. J.M. Saboo. Inaugural Guest was Mr. Nilesh Bhandarawar. Senior Software Engineer at Microsoft Redmond, Washington USA. He elaborated the theme of Recent Advancements in Computer Science and technology. Chief Guest Dr. Vinay B. Patange, A Senior Enterprise Data/Information Architect with 25 plus years' experience in IT of which about 15 years in Architecture and Design and 10 years in Leadership Management providing innovative business & technological solutions for Top Tier Multinational Investment Banks in the U.S. and South Asia. President of inaugural ceremony was Hon. Shri Gopalji Khandelwal Secretary, S.P.M Akola who is always inspiring us and the main energy source behind our all the activities. This session anchored by Ms. Aditi Mankar, Asst. Professor, Dept. of English The inaugural ceremony was followed by keynote speech, Keynote Speaker was Mr. Nilesh Bhandarawar, Senior Software Engineer at Microsoft Redmond Washington(USA), he shared his valuable knowledge and industrial experience on Azure Cloud and its associated activities and essentials. He all the way came at conference on short notice and co-operated us by conducting his online session. The session was concluded with vote of thanks by Mr. Rohan K. Shirsat IQAC Coordinator and organizing secretary of this conference.

Schedule

Inaugural Function March 15 th , 2023	Time
Arrival & settling down of the guests	10:00-10:03
University Song	10:03-10:08
Lightening of Lamp	10: 08-10:13
Welcome Speech by Dr. J.M. Saboo Principal	10:13- 10:18
Welcome and Felicitation of the guests.	10:18 – 10:28
Chief Guest- Dr. Prasad A. Wadegaonkar, Pro- Vice Chancellor, SGBAU, Amravati.	10:28- 10:38
Presidential Address : Gopalji Khandelwal, Secretary SPM, Akola.	10:38- 10:48
Keynote Speaker : Mr. Nilesh Bhandarwar (USA)	10.48 – 11:33
Vote of Thanks: Mr. R. K. Shirsat, IQAC Coordinator	11.33 - 11.38

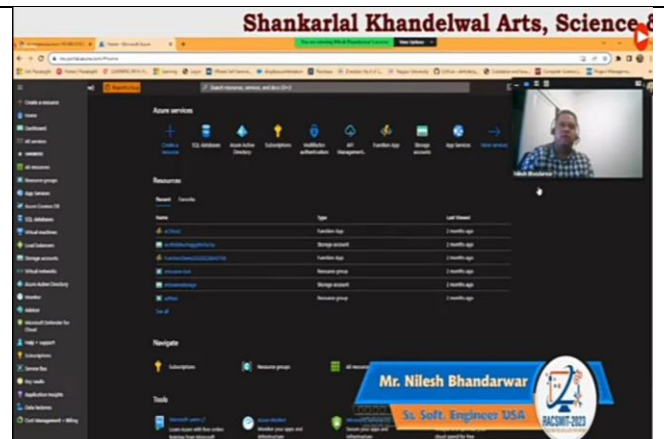
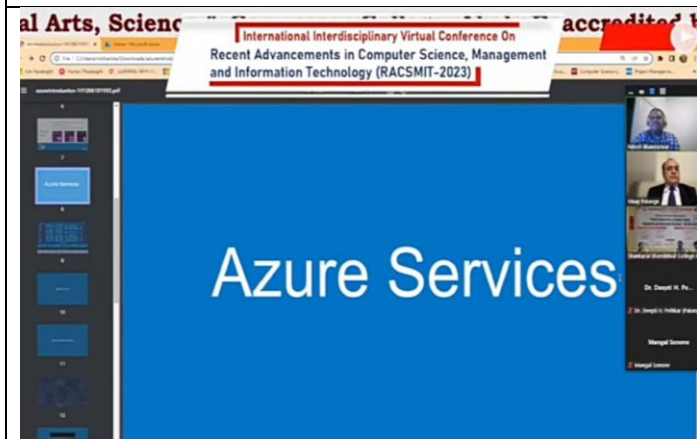

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International Interdisciplinary Virtual Conference on “Recent Advancements in Computer Science, Management and Information Technology” (RACSMT-2023)

INAUGURAL FUNCTION		VALEDICTORY FUNCTION	
Dr. Prasad A. Wadegaonkar <small>Chief Guest Pro - Vice Chancellor, Sant Gadge Baba Amravati University, Amravati.</small>	Hon. Gopalji Khandelwal <small>President of Inaugural Function Secretary, Shikshan Prasarak Mandal, Akola</small>	Hon. Dr. Taratal Hatwaine <small>President of Valedictory Function President, Shikshan Prasarak Mandal, Akola</small>	Dr. P. E. Ajmire <small>Chief Guest Dept. of Computer Science, G.S. College, Khargason, Dist. Buldhana</small>
Mr. Nilesh Bhandarwar <small>Keynote Speaker Sr. Software Engineer at Microsoft Greater Seattle Area, USA.</small>	Hon. Arunji Kulkarni <small>Vice President & Treasurer, Shikshan Prasarak Mandal, Akola</small>		
Organizing Committee			
Mr. N. R. Suradkar <small>Organizing Secretary Asst. Professor, Dept. of Computer Science</small>	Dr. D. H. Pethkar <small>Convenor Head, Dept. of Computer Science</small>	Dr. J. M. Saboo <small>Principal, Shankar Lal Khandelwal College, Akola</small>	Mr. S. G. Dixit <small>Treasurer Librarian</small>
Mr. R. K. Shirsat <small>Joint Organizing Secretary IQAC Co-ordinator</small>			

Education for Life, Life for Nation



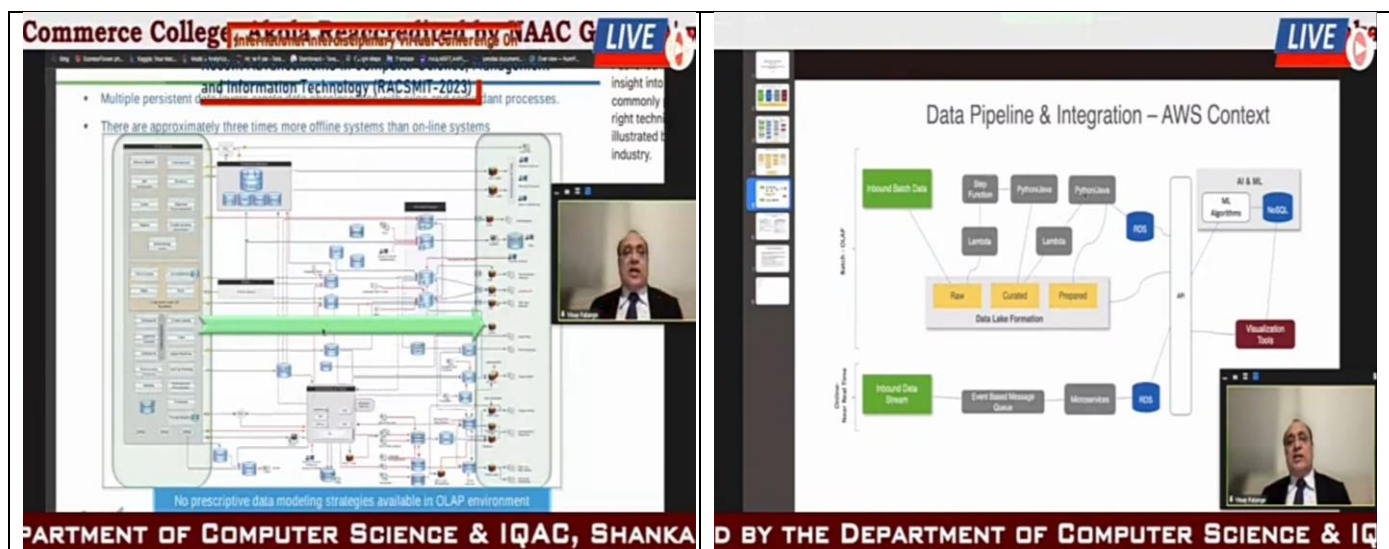




▪ Technical Session- I: (11:43M To 12:33 PM)

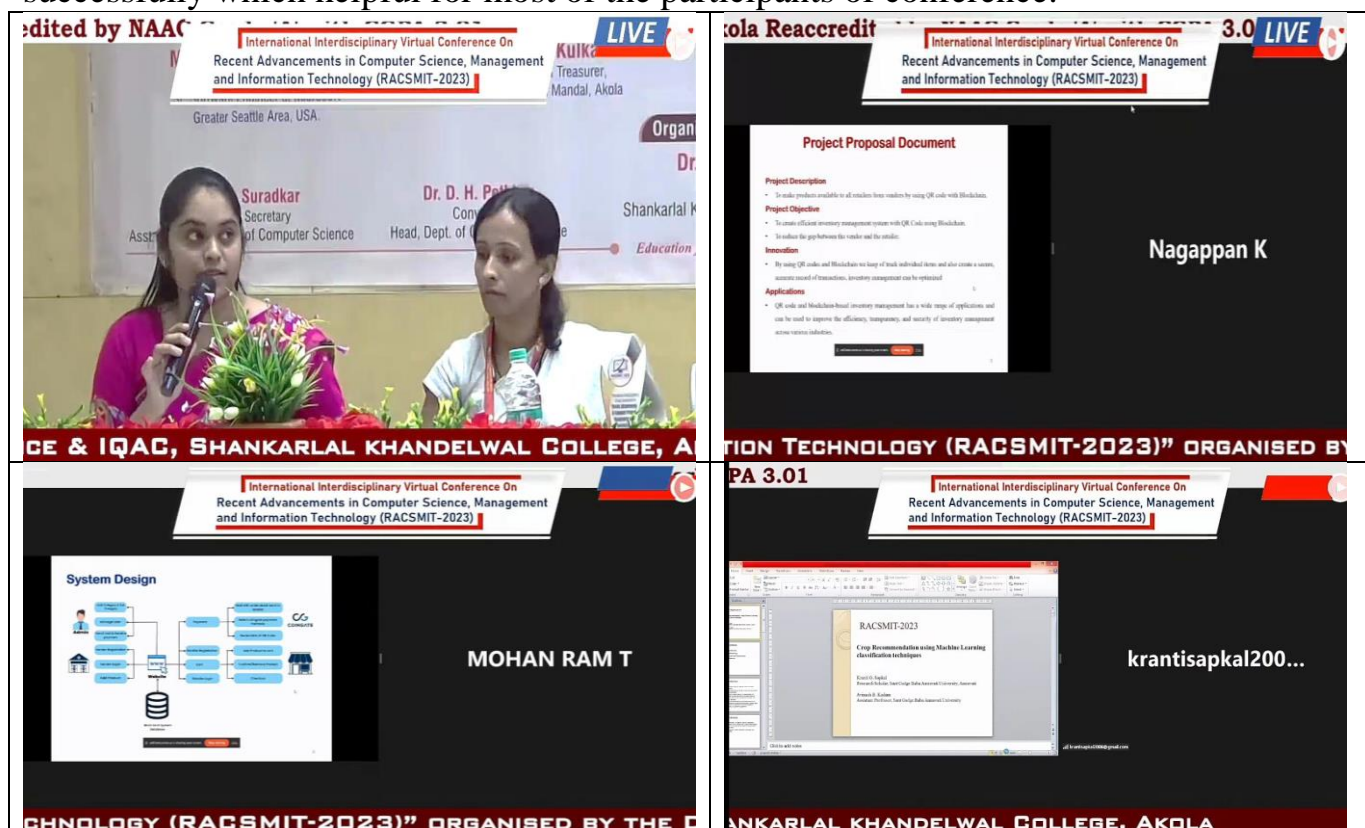
The first plenary lecture conducted in Technical Session-I, which was conducted virtually by resource person Dr. Vinay Patange a Senior Enterprise Data/Information Architect with 25 plus years of experience in IT of which about 15 years in Architecture and Design and 10 years in Leadership Management providing innovative business & technological solutions for Top Tier Multinational Investment Banks in the U.S. and South Asia. Through his gracious presence he guided on Modern Data Architecture Framework (Strategies to build Modern Data Platform using Data Engineering and Data Science Techniques) i.e., one of the popular and growing field in computer science and management. The session was anchored by Dr. M. O. Malpani, Department of Chemistry.

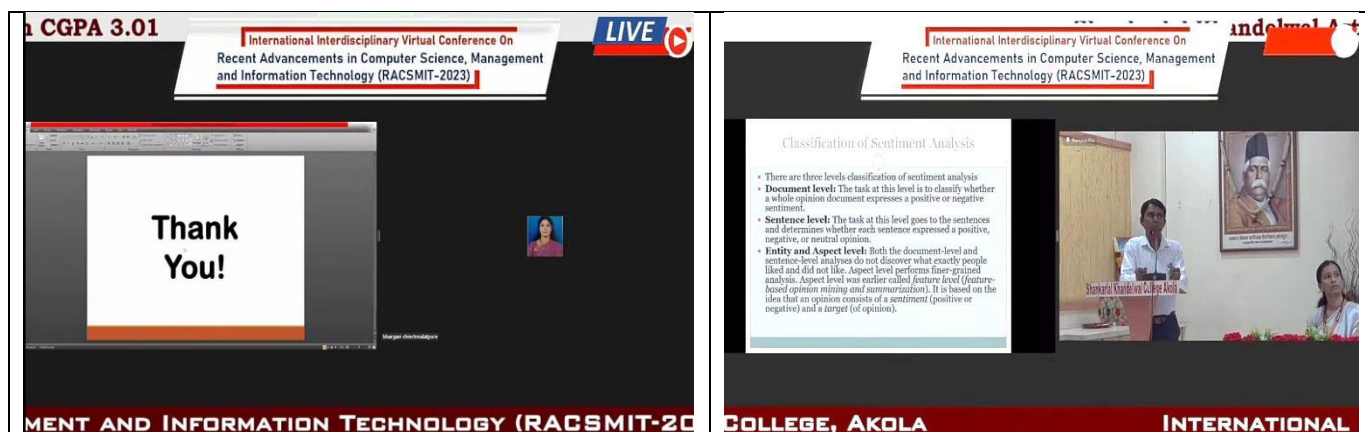




■ **Technical Session-II: (1:00 PM To 2:30 PM)**

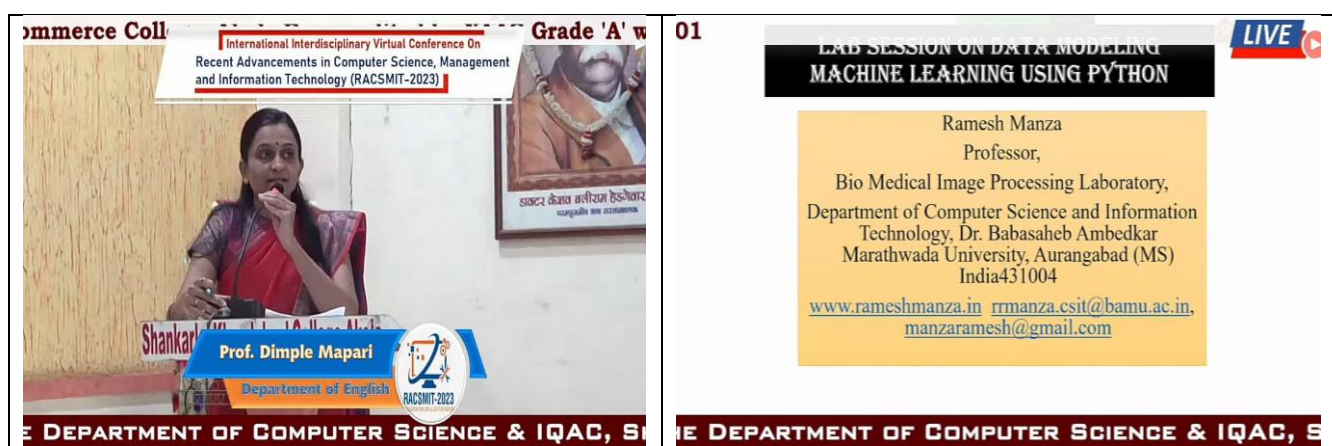
This Technical session was blended mode online and offline papers presentations were conducted, the chairperson of this paper presentation session was Dr. Shweta Barahate Department of Computer Science, Rastrasant Tukdoji Maharaj Nagpur University, Nagpur and Dr. Bhargavi Chinchamalature , Head of Computer Science Department, Bhartiya Mahavidhyalay, Amravati both of them examined and reviewed all the presented research papers. This online session was anchored by Ms. Anjali Kumawat & Ms. Siddhi Waghare successfully which helpful for most of the participants of conference.

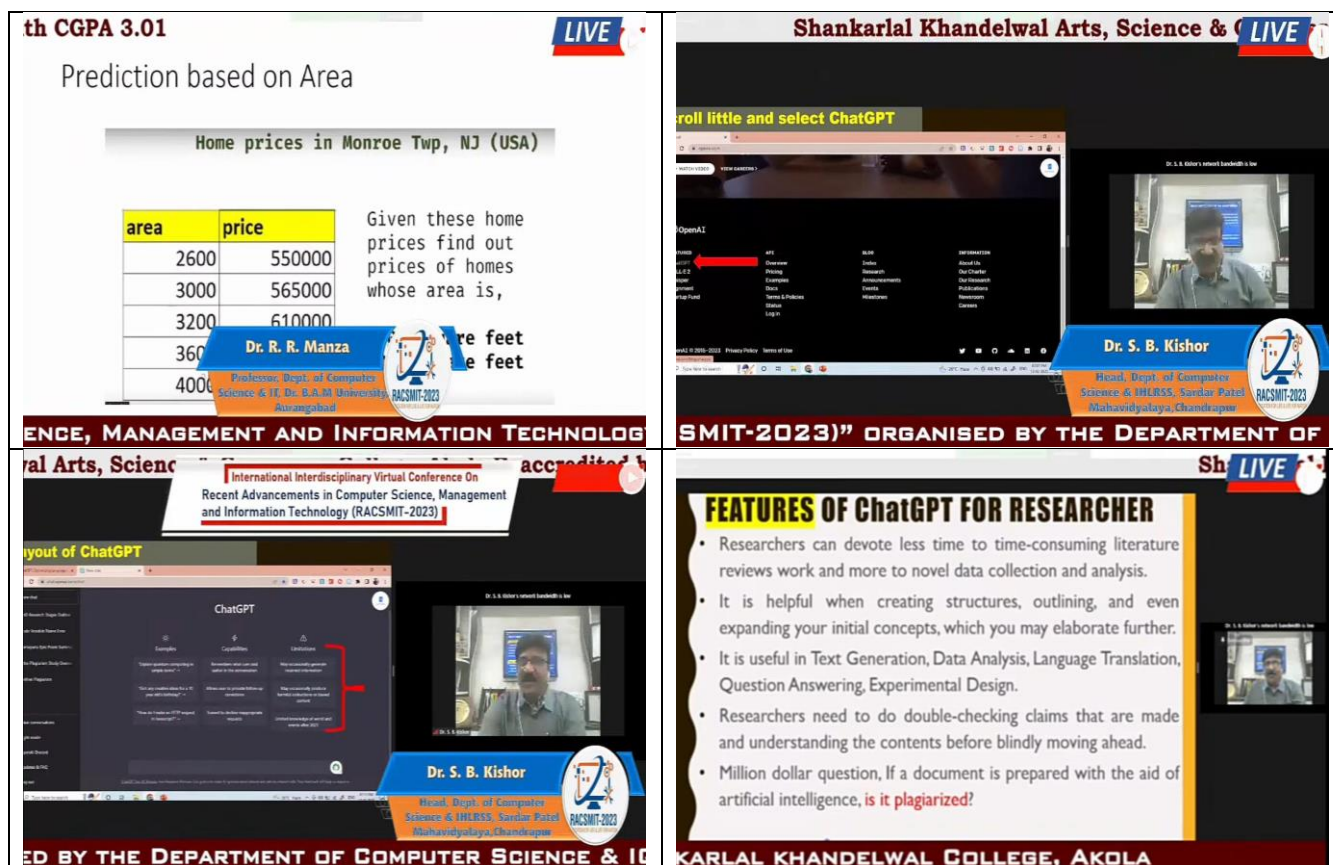




■ Technical Session-III: (2:37 PM To 4:18 PM)

The Technical Session-III included two plenary Lectures our first renowned invited speaker was Prof. Dr. R.R. Manza, Department of Computer Science and Information Technology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (MS) India. He imparted a vast know ledge to all our delegates on "Modeling and Performance evaluation Techniques using Python". The second resource person was Dr. S. B. Kishor, Head Department of Computer Science & Head of Institute of Higher Learning Research and Specialized Studies Sardar Patel Mahavidyalaya, Chandrapur (M.S.) conducted a lecture on "Review paper using Chat GPT and Co Pilot". The department of computer science and IQAC grateful towards Dr. R. R. Manza & Dr. S. B. Kishor for their Guidance and sharing enlighten thoughts to our delegates and research scholars. This online session was beautifully anchored by Our English Department Prof. Dimple Mapari.





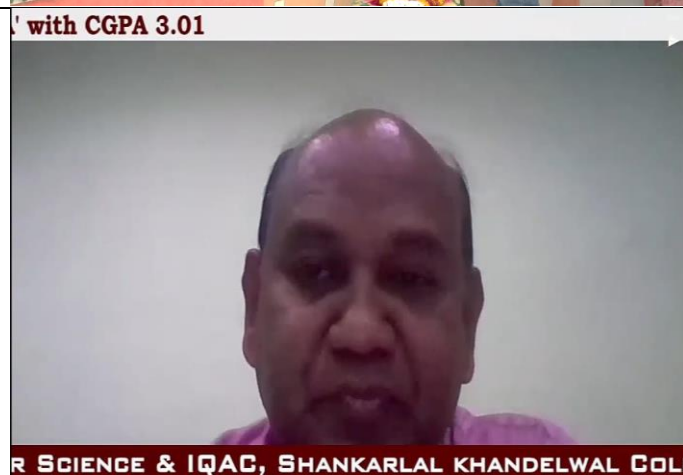
Valedictory Function: (4:20 PM To 5:10 PM)

The president for this valedictory function was Dr. J.M. Saboo Principal, Shankarlal Khandelwal College, Akola and the chief guest Prof. Dr. P. E. Ajmire Head, Department Computer Science, G.S. College, Khamgaon (MH). In this international conference **73** Research Papers were received while **201** delegates had registered for the conference among them **119** were academicians, faculties, professional personnel and **82** were research scholars as well as PG students. The conference is organized virtually & physically (Blended Mode). We have got tremendous response from the research community from all over the country such as Himachal Pradesh, Karnataka, Tamilnadu etc. & abroad also. The Chief guest Dr. P.E. Ajmire guided on research ethics, data science opportunities and spread light on other perspectives of research area. The president Dr. J. M. Saboo Sir who is never ending source of energy addressed us on auspicious day. This Session was anchored by Dr. Jayashree Sakalkale Head, Sanskrit Department and conference report read by Dr. D. H. Pethkar Head, Dept. of Computer Science. The session concluded with vote of thanks proposed by Mr. N. R. Suradkar Asst. Professor, Dept. of Computer Science.

The received papers were sent for publication in the International Journal of Scientific Research in Computer Science, Engineering and Information Technology with ISSN No. 2456-3307 peer reviewed and refereed international scientific research journal link is (<https://ijsrcseit.com/archive.php?v=12&i=63&pyear=2023>).

The Conference YouTube Link :

<https://www.youtube.com/live/ZeUCgFHlnxg?feature=share>



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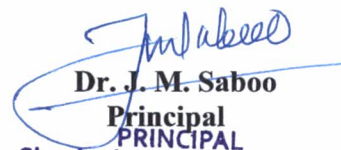
The conference successfully completed with help of Management, Principal and entire support from staff members of college as well as international advisory committee, national as well as local advisory committee and renowned resource persons, chief guests of several sessions.



Dr. D. H. Pethkar
Convenor



Mr. R. K. Shirsat
IQAC Coordinator
Mr. R. K. Shirsat
Co-ordinator IQAC
Shankarlal Khandelwal College
AKOLA (M.S.)



Dr. J. M. Saboo
Principal
PRINCIPAL
Shankarlal Khandelwal Arts,
Science & Commerce College,
AKOLA (M.S.)



Mr. N. R. Suradkar
Organizing Secretary



Mr. S. G. Dixit
Treasurer