

Activity Report Of

National Conference on Innovations & Research in Science & Technology

(20 January 2021)



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Report of “National Conference on Innovations & Research in Science & Technology”

The Samarth Group of institution college of Engineering conducted the online “**National Conference on Innovations & Research in Science & Technology**” for the students, scholars, teaching faculties and industry persons. **Dr. D. G. Bormane (Principal and Professor of AISSMS college of Engineering, pune)** inaugurate the function and delivered technical idea to participant.

The event started with an opening remark by **Prof. A. J. Patil** Hon’ble Principal, Samarth College of engineering Belhe. Wherein he extended his warm welcome to the participants and NCIRST chief guest **Dr. D. G. Bormane** Sir. **Mr. B. M. Bohrade** sir HOD of Computer Engineering SGOICOE introduced NCIRST chief guest **Dr. D. G. Bormane** Sir.

Dr. D. G. Bormane Sir explain the various aspects of technologies like augmented reality, machine learning, Artificial intelligence and cloud computing. Technologies are changed in all sector like financial, Government, private and educational also. He give the example of innovation in teaching learning process and Opportunities in R&D, Government, wireless technology, National policy in IT, pharmaceutical sector. As per **Bormane** sir India is the 3rd largest pharmaceutical country in the world, and 3rd largest technical power in the world also. 8th rank of india in the world for students graduating in technology. So lot of manpower in India, 958 university’s and 1494 indian scientist in the world.

He also the member of board study of savitribai phule pune university. He gives the guidance about honer subject and latest technology including the syllabus

like block chain, Robotics. As per indian policy and Government organization like ISRO, DRDO support for research propose in innovation and technology.

Finally, **Prof. Shingote S.N. Computer Dept. Samarth College of engineering Belhe** proposed vote of thanks. He expressed special gratitude to speaker for their informative and useful presentations. He also expressed gratitude to the College administration for their constant encouragement and support in conducting the conference and participants in making the “NCIRST” a grand success. Certificates were given to all the candidates through Google Drive link.

NCIRST-21 Conference Schedule 20 January 2021

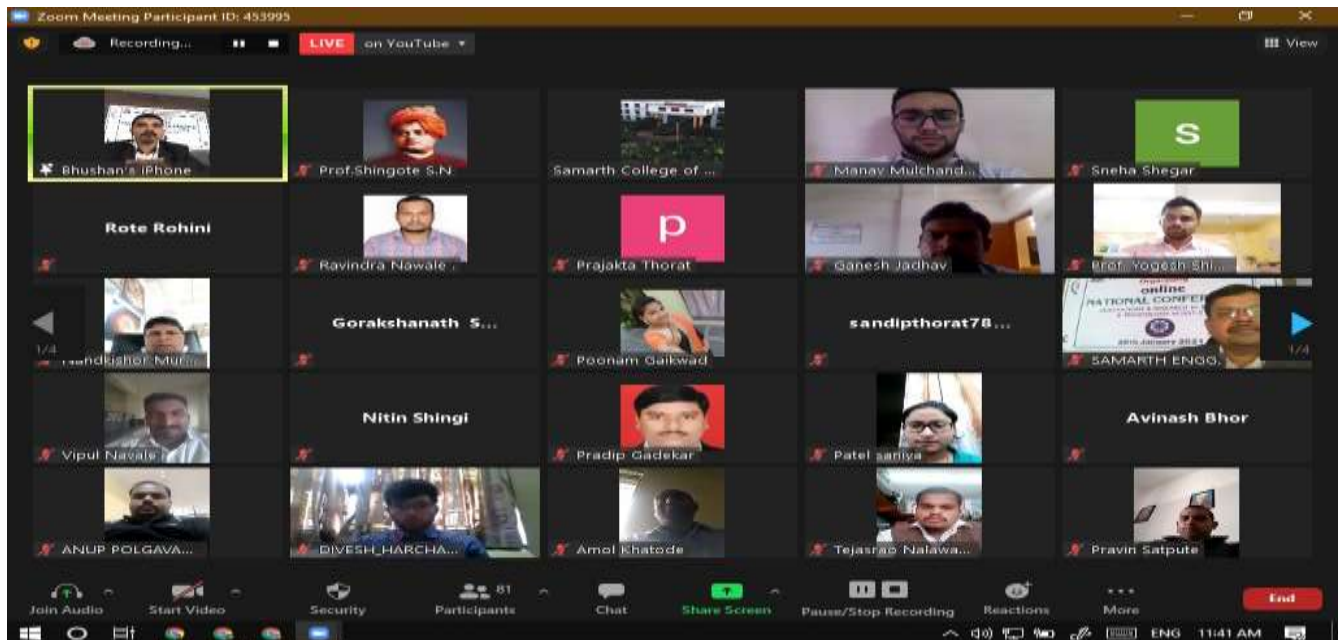
Time	Schedule/ Program
11:00 am to 11:30 am	Opening Ceremony (Zoom Webinar and YouTube stream) Opening Address by Dr. D. S. Borm (BOS Chairman) Dr. Patil A. J. (Principal), Gadekar P S (Administrative Officer), Local Organizing Committee and Programme Committee
11:30 am to 1:30: pm	Paper Presentations (Google Meet/ Zoom) Virtual Room 1 : Computer/IT Engineering Virtual Room 2 : E&TC/Electrical Engineering Virtual Room 3 : Civil Engineering Virtual Room 4 : Mechanical/Auto Engineering
1:30 pm to 2: pm	Lunch Break
2:00pm to 4:00 pm	Paper Presentations (Zoom Webinar and YouTube stream) Virtual Room 1 : Computer/IT Engineering Virtual Room 2 : E&TC/Electrical Engineering Virtual Room 3 : Civil Engineering Virtual Room 4 : Mechanical/Auto Engineering
4:00 pm to 4:15 pm	Tea Break
4:15 pm to 5:30 pm	Paper Presentations (Zoom Webinar and YouTube stream) Virtual Room 1 : Computer/IT Engineering Virtual Room 2 : E&TC/Electrical Engineering Virtual Room 3 : Civil Engineering Virtual Room 4 : Mechanical/Auto Engineering
5.30 pm	Session End
5.30pm – 5.45pm	Valedictory Function

SOME Photograph of NCIRST-21



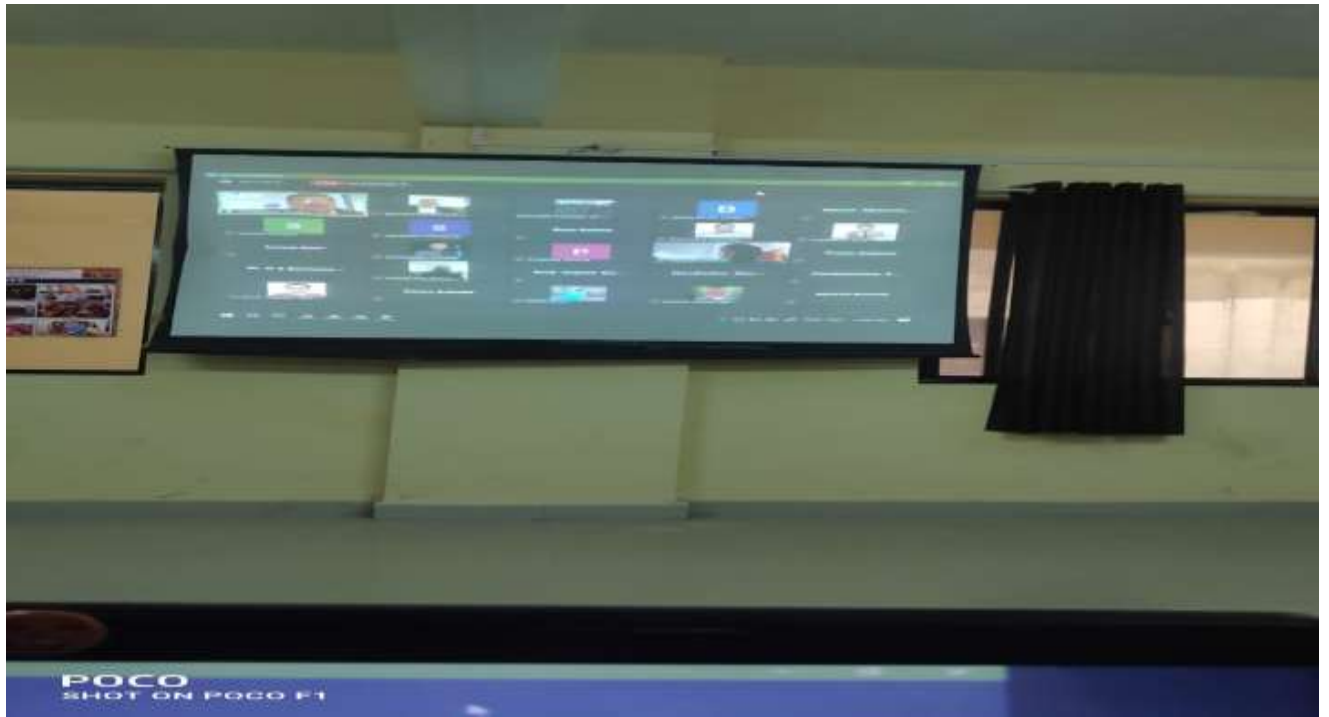
The banner features the Samarth Group of Institutions logo on the left, which includes a seated figure. The text reads: "Samarth Group Of Institutions COLLEGE OF ENGINEERING, BELHE Organising online NATIONAL CONFERENCE INNOVATIONS & RESEARCH IN SCIENCE & TECHNOLOGY NCIRST-21". On the right is the logo of the Society for Global Online Initiatives (SGOI). At the bottom center is a globe icon with "NCIRST-21" written below it, and the date "20th January 2021" is displayed in large bold letters.

Photograph of NCIRST-21 Inauguration function :-



A screenshot of a Zoom meeting interface. The top bar shows "Zoom Meeting Participant ID: 453995" and "Recording... LIVE on YouTube". The main area is a grid of 20 video thumbnails. The first thumbnail is highlighted with a green border. The thumbnails show various participants, including "Bhushan's iPhone", "Prof. Shingote S.N.", "Samarth College of...", "Manav Mulchand...", "Sneha Shegar", "Rote Rohini", "Ravindra Nawale...", "Prajakta Thorat", "Ganesh Jadhav", "Prof. Yogesh Shi...", "sandiphthor78...", "Gorakshanath S...", "Poonam Galkwad", "Vipul Navale...", "Nitin Shingi", "Pradip Gadekar", "Patel saniya", "Avinash Bhore", "ANUP POLGAVA...", "DIVESH KHARCHA...", "Amol Khatode", "Tejasrao Nalawa...", and "Pravin Satpute". The bottom toolbar includes icons for "Join Audio", "Start Video", "Security", "Participants", "Chat", "Share Screen", "Pause/Stop Recording", "Reactions", "More", and "End". The system tray at the bottom right shows "ENG 11:41 AM".







Photograph of NCIRST-21 Presentation of camera ready paper:-



You are viewing Sujan Bapu Kalra's screen

View Options

Microsoft PowerPoint

Problem Definition

- The Mobile health system used to **monitor** patient condition and collect the **physiological symptoms**.
- The patient health record is **encrypted** using algorithms and store on the third party server **efficiently and securely**.
- Physicians will provide **telemedicine** according to patient condition.
- The **security** is provided to patient data so that **traitors** cannot misuse it.

Click to add notes

Join Audio Start Video Security Participants Chat Share Screen Pause/Stop Recording Reactions More End

Recording... LIVE on YouTube

Microsoft PowerPoint

The diagram illustrates the system architecture and data flow. It starts with Sensors connected to an Arduino Mega 2560, which is linked to a GSM Module and an Android Application. The Android Application sends data to an Encrypted EHR, which is stored on a Public Cloud. The Public Cloud also handles Test & Transform operations. Health care Staff interact with the system through Trapdoor Generation (Keyword Trapdoor and Keyword Search) and Decryption (Verification and EHR). A Retrieved file is sent to Health care Staff, who can then sell a secret key for profit. The system also includes User Revocation (KGC) and Trace capabilities to identify Traitors.

Click to add notes



