Conference Report
NCRENB-2024

Conference Dates: 15th & 16th March 2024
Mode of Conference: Offline

The role of an engineer extends far beyond the limits of human imagination and understanding. In the 21st century, the rapid advancements in communication and computing technologies have transformed everyday life. Devices such as mobile phones, CD players, and fax machines are now complemented by digital broadcast radio and television, offering more channels and significantly improved sound and picture quality. Science and Technology (S&T) play a crucial role in driving industrial, economic, and social progress. It is essential for universities, public and research institutions, industries, and governments to collaborate more closely and recognize the importance of S&T in fostering sustainable development across economic, social, and industrial sectors.

NATIONAL CONFERENCE ON ROLE OF ENGINEERS IN NATION BUILDING 2024 (NCRENB- 2024)

The primary objective of the National Conference is to enhance knowledge in building sciences, with a focus on building and construction. It aims to address long-term challenges in the sector through systematic research and development, offer support in meeting immediate needs where expertise is essential, and facilitate the dissemination of knowledge and technology transfer.

Topics of Interest in NCRENB 2024 are as follows:
1 Civil Engineering
2 Computer Engineering
3 Electrical Engineering
4 Electronics and Telecommunication Engineering
5 Humanities & Applied Science
6 Master of Computer Application
7 Mechanical Engineering

NCRENB 2024 was organized in association with following University of Mumbai, VIVA-Tech IJRI and ICT Academy.

Conference Statistics:

Track wise Paper Statistics: Selection				
Track Name	**TRACK**	**Papers**	**Internal Blind Review**	**CRC**
Civil Engineering	CIVIL	28	28	28
Computer Engineering	COMP	28	28	26
Electrical Engineering	ELECT	19	19	19
Electronics & Telecommunication Engineering	EXTC	7	7	7
Humanities & Applied Science	HAS	3	3	3
Master of Computer Applications	MCA	31	31	31
Mechanical Engineering	MECH	29	29	29
Total		**145**	**145**	**143**

Conference Registration Statistics: Track	Total	CRC	Registered /Recovery	Non Registered
CIVIL	28	28	28	0
COMP	26	26	26	2
ELECT	19	19	19	0
EXTC	7	7	7	0
HAS	3	3	3	0
MCA	31	31	31	0
MECH	29	29	29	0
Total	**143**	**143**	**143**	**2**

Total Paper Submissions	143
Accepted Full Papers for VIVA-TECH IJRI	In process
Total Accepted Papers	143
Acceptance Rate	

A total of 145 papers were submitted, of which 143 were accepted. The paper submission process was managed online through the system at ncrenb@viva-technology.org. Plagiarism checks were conducted using the Plagiarism Checker-X software. Each paper underwent a review process by both internal and external reviewers, with a minimum of two reviews per paper—one from an internal (VIVA TECH) reviewer and one from an external reviewer. All external reviewers were highly qualified and experienced experts in the field. The final approval for uploading the papers to VIVA-TECH IJRI was granted by the program convener, Dr. Arun Kumar. Selected papers will be published in a UGC CARE journal.

Summary

A two-day National Conference was held at VIVA Institute of Technology, Virar, on March 15th and 16th, 2024. The 12th edition of the NCRENB conference, organized annually by VIVA Institute of Technology in March, was held in collaboration with ICT Academy and VIVA Tech IJRI. The conference aimed to provide a platform for students and researchers to present their research papers to peers and experts, while also hosting seminars on how college students can contribute to nation-building.

This year, 143 researchers and students participated, representing various departments including Electrical Engineering, Computer Engineering, Electronics and Telecom Engineering, Mechanical Engineering, Civil Engineering, and Master of Computer Applications. The conference commenced with an inaugural ceremony, where the Principals of VIVA Campus lit the lamp, followed by Saraswati Poojan. Dr. Arun Kumar, Principal of VIVA Institute of Technology, addressed the dignitaries in the hall.

The keynote session was delivered by Mr. Manish Sharma, CTO of Kanalytics (Kailasa Analytics & Services Pvt Ltd), who spoke on "Cloud Computing." Following this, students presented their research papers across different departmental sessions. The conference concluded on March 16, 2024, with the closing ceremony, where prizes were awarded for the best papers in each section, and the Best Student of the Year Award was announced.

Overall Response:
Expected delegates: 145 (Registered)
Total delegates : 15 (Attended)
Percentage turn out : 160
Total Resource persons : 16

Events organized
Paper presentation - 143 papers

Feedback

The conference received highly positive ratings from the delegates, with the following remarks:

a) The technical content was highly regarded for its depth and research orientation.
b) While creativity was present, there is room for further enhancement.
c) Hospitality was exceptional, ensuring a welcoming environment for all attendees.
d) The staff members were cooperative and provided valuable support throughout the event.

Prepared By:
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(NCRENB 2024, Co-Convener)

Prof. Karishma Raut
(NCRENB 2024, Co-Ordinator)

Prof. Meena Perla
(NCRENB 2024, Program Committee)

Approved By:
Dr. Arun Kumar
NCRENB 2024-Convener
Principal – VIVA Institute of Technology, Mumbai, Maharashtra)

Date: 18/03/2024
Place: VIVA-TECH, Mumbai, Maharashtra.