

Expert Talk
by
Prof. H. K. Ratha
Chair, IEEE Bhubaneswar

Organized by
IEEE STUDENT BRANCH
Centurion University of Technology and Management,
Bhubaneswar Campus

Event: Expert Talk

Topic: Role of ITR in Indian Defence Landscape

Date: 27th April 2024

Time: 11.00 AM (IST) Onwards

Venue: Auditorium, Hall No-6, Aryabhata Building (CUTM-BBSR Campus)

Guest: **Prof. H.K RATHA**, Chair IEEE Bhubaneswar Subsection, Former Director ITR, Chandipur

Members Present:

1. Dr. Supriya Pattanayak (VC-CUTM)
2. Prof. Jagannath Padhi (Director)
3. Dr. Biswajit Mishra (Pro-VC)
4. Dr. Sujata Chakravarty (Dean-SoET)
5. IEEE Chair Persons
6. All Faculties of SoET
7. All Students of IEEE Student Chapter

On 27th April 2024, the IEEE Student Branch of Centurion University of Technology and Management, Bhubaneswar had the honor of organizing a lecture by Prof. H. K. Ratha, Chair of IEEE Bhubaneswar. The subject of conversation revolved around the "Significance of ITR in the Indian Defense Scenario." The purpose of the event was to highlight the crucial role of Information Technology Resources (ITR) in shaping India's defense strategy and capabilities.

Opening:

The significance of Information Technology (IT) in defense is paramount in today's progressively digitized environment. In order to maintain an advantage in the ever-evolving environment of modern warfare, nations must prioritize the proper utilization of IT resources as a crucial aspect of enhancing their security apparatus. Prof. H. K. Ratha's expert lecture focused

on the precise intricacies of how Information Technology Resources contribute to India's security architecture.

Main topics of discussion:

Prof. Ratha explained the many IT resources used in defense operations, including modern surveillance systems and cybersecurity precautions. He highlighted the crucial importance of ITR in strengthening the understanding of the current situation, gathering intelligence, and making decisions within the defense industry.

The conversation also addressed the difficulties of incorporating IT resources into the defense sector, such as cybersecurity risks, interoperability problems, and technical obsolescence. Professor Ratha emphasized the necessity of ongoing innovation and collaboration in order to overcome these problems and fully exploit the potential of information technology resources.

Prof. Ratha discussed the strategic consequences of efficiently using Information Technology Resources (ITR) in the Indian defense sector. He emphasized the potential of IT breakthroughs to improve military preparedness, expedite response times, and optimize resource allocation, ultimately strengthening India's security position in a complex geopolitical landscape.

The presentation also discussed the ethical and legal aspects of implementing IT resources in defense applications. Prof. Ratha stressed the significance of maintaining ethical standards and following international legal frameworks to guarantee responsible and accountable utilization of technology in defense operations.

In conclusion:

Prof. H. K. Ratha's expert discussion offered a thorough explanation of the significance of ITR in the Indian defense sector. It emphasized the significant impact that IT resources may have on improving national security and military efficiency. The event provided an opportunity for students and participants to acquire vital knowledge on the convergence of technology and defense, and to reflect on the future direction of India's defense capabilities in the digital era.

Suggestions:

Facilitate enhanced cooperation among academia, industry, and government agencies to stimulate innovation in IT solutions pertaining to military.

Allocate resources towards research and development projects focused on tackling cybersecurity issues and enhancing state-of-the-art information technology capabilities for defense purposes.

Integrate ethical and legal issues into military IT policies and practices to guarantee the appropriate and accountable utilization of technology.

Acknowledgements:

The IEEE Student Branch extends its heartfelt appreciation to Prof. H. K. Ratha for generously imparting his expertise and valuable insights during the expert presentation. We would like to express our gratitude to the attendees and participants for their enthusiastic involvement and valuable contributions to the stimulating debate.

Event Snapshots:

The poster features a dark blue header with the Centurion University of Technology and Management logo and name. Below this are logos for Centurion University, NAAC A+ accreditation, IEEE, and IEEE Women in Engineering (WIE). The main title is 'EXPERT TALK ON ROLE OF ITR IN INDIAN DEFENCE LANDSCAPE BY' in large, bold, blue and red fonts. A circular portrait of Prof. H. K. Ratha is centered, flanked by decorative blue floral graphics. Below the portrait, his name and titles are listed in red and black. The bottom section has a blue background with white text for the date and venue, and a dark blue footer with white text for the university name and campuses.

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ON
ROLE OF ITR IN INDIAN DEFENCE LANDSCAPE
BY

PROF. H. K. RATHA
Chair, IEEE Bhubaneswar Subsection
Former Director ITR, Chandipur

Date: 27th April 2024

VENUE: AUDITORIUM, ARAYABHATTA BUILDING
CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, BHUBANESWAR

Centurion University of Technology and Management, Odisha
CAMPUSES: Paralakhemundi | Bhubaneswar | Rayagada | Balangir | Balasore | Chatrapur





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Creating Communities



Role of ITR in Indian Defence Landscape

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Chair, IEEE Bhubaneswar Subsection
&
Former Director
Integrated Test Range, DRDO,
Chandipur

