

International Seminar

Emerging threats to National Security: Cyber and Space

About the University

Established by Parliament of India through the Central Universities Act (2009), Central University of Gujarat (CUG) considers its main objective to be dissemination and advancement of knowledge creation and sharing. The University is committed to make special provision for integrated and interdisciplinary courses, to educate and train human resources for the country's development, to initiate appropriate measures for promoting innovation in teaching and learning and to pay special attention to improve the social and economic conditions and welfare of the people, especially pertaining to their intellectual, academic and cultural development. The University was ranked overall 60th in India and 2nd among all the Universities in Gujarat in NIRF 2016 rankings. According to NIRF 2017, the University ranked among the top 150 Universities in the country. The motto of the University is to provide a global platform for Knowledge and Employability to students along with society and industry interface.

About the School of National Security Studies (SNSS)

The School of National Security Studies (SNSS) has been conceptualised to encourage creation and dissemination of knowledge in security and strategic studies, and international relations in the country. Initially, it was Centre for Security Studies which was established in 2009 as one of the founding centres under School of International Studies. Subsequently, in May 2018, with approval from the University Grants Commission, the School of National Security Studies came into existence. Given the dynamic international security environment and India's rising profile both in terms of economic and strategic capability, national security has emerged as a critical area both for policymaking and as a field of study. The School, therefore, aims to establish itself as an institution of excellence and encourage high quality research in the field of Security Studies in India. Academic programmes at SNSS have been designed to encourage studies, research and analysis in all areas of security and strategic studies including research into various internal security threats, nuclear deterrence and strategy, threats emanating from Space and Cyber domain, national security structure and higher defence management, maritime and coastal security.

Currently, there are three Centres within the School: (a) Centre for Security Studies (CSS); (b) Centre for Studies in Strategic Technologies (Cyber/Space); and (c) Centre for Maritime Security Studies.

About the Centre for Studies in Strategic Technologies (Cyber/Space)

The Centre for Studies in Strategic Technologies (Cyber/Space) is one of the two new centres established under the School of National Security Studies in 2018. The Centre occupies a unique place in the Indian university system, because for the first time a teaching and research centre has been established purely to study the evolution, future development trajectories and impact of strategic technologies on the society, military, economy and the country at large. It focuses on critical Cyber Security world and Space technologies in societal, military, economy and national context.

About the ICSSR

Indian Council of Social Science Research (ICSSR) was established in the year 1969 by the Government of India to promote research in social sciences in the country. ICSSR provide grants for projects, fellowships, International collaboration, capacity building, survey, publications etc. to promote research in social sciences in India. It co-ordinate research activities and encourage programmes for interdisciplinary research.



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About the Seminar

The rise of digital technologies has opened new frontiers of opportunities for businesses, governments and individuals around the world. However, these opportunities come with a host of cyber security risks. Cyber-attacks, data breaches and other digital crimes have become a major threat to national security, financial stability, personal safety and privacy. Cyber-attacks are becoming more sophisticated, frequent, and widespread, posing serious challenges to National Security. To mitigate these risks, it has become more important than ever to bring together global experts to exchange insights on the latest cyber security trends, tactics and technologies.

The International Seminar on Cyber Security Threats to National Security aims to bring together experts, researchers and policymakers to discuss the latest developments, trends, and strategies in cyber and space security.

By organizing this international seminar, we aim to create a valuable platform that nurtures collaboration, knowledge-sharing, and innovation, contributing significantly to the enhancement of global security efforts.

Objectives

- To establish a platform for global leaders and professionals specializing in cyber space and national security to engage in interdisciplinary discussions and knowledge exchange.
- To foster innovative research by providing a forum for experts to share their insights and findings, thus contributing to the advancement of cyber security practices.
- To encourage information sharing among participants, facilitating a comprehensive understanding of key topics and issues concerning cyber security on an international scale.
- To facilitate collaboration between diverse fields including academia, industry, government, and civil society to collectively address the multifaceted challenges posed by cyber threats.
- To identify and showcase cutting-edge approaches and strategies in the realm of cyber security, reflecting the dynamic nature of the field and the need for continuous adaptation.
- To delve into the implications of emerging technologies, such as artificial intelligence, 5G, IoT, Industrial automation, and Machine Learning on cyber and space security, exploring both opportunities and risks.
- To provide a space for experts to share insights into best practices and methodologies for safeguarding businesses, governments, and individuals against cyber threats, drawing from collective experiences and expertise.

Seminar track

The seminar will have five plenary sessions spread across two days:

Plenary Session 1: Emerging trends and technologies in Cyber Security

Plenary Session 2: Cybercrime and Law Enforcement in the Digital Age

Plenary Session 3: Current and future Cyber threats to businesses, governments and individuals

Plenary Session 4: Cyber Security, National Security implications, and International cooperation in cyber and space security

Session 5: Round table discussion

Call for Papers: Research Papers are invited on any one of the sub-themes for presentation.

Publication: Selected papers will be published in an International Journal. Submitted papers must NOT have been previously published or accepted for publication by any other source.



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Sub-themes:

- AI and Machine Learning
- Quantum Cryptography
- Cloud Security
- Biometric Security
- Block chain and Cyber security
- Ransomware and Threat Hunting
- Digital Forensics and Investigation
- International Cooperation and Treaties
- Cybercrime Legislation and Policy
- Digital Identity and Authentication
- Cyber security Skills Gap in Law Enforcement
- Technological Challenges in Investigations
- Cyber Insurance and Risk Management
- Social Engineering and phishing attacks
- Cyber Threats to National Security
- Critical Infrastructure Protection
- Space Security and Cyber Vulnerabilities
- Role of Military and Defense in cyber and space security
- Public-Private Partnerships in Cyber security
- Cyber security and Geopolitics
- Space Debris and Cyber security

Last Date of Abstract Submission: 10.12.23

Selection of Abstract: 15.12.23

Last Date of Full Paper Submission: 30.12.24

Last Date of Registration: 10.01.24

Registration Fees: Rs. 1000 for Faculty

Rs. 500 for Research Scholars

Organizing Committee

Dr. Arun Vishwanathan-Associate Professor,SNSS
Dr. Vishvas Raval- Associate Professor,CSST
Dr. Kunal Sinha -Associate Professor,CSTIP
Dr. Mohandas - Assistant Professor ,CSS
Dr. Manasi Singh - Assistant Professor,CMS
Dr. Saurabh Sharma- Assistant Professor, IR
Dr. Eva Loreng- Assistant Professor, IR
Dr. Kishor Jose - Assistant Professor,CSS
Dr. T. K. Singh - Assistant Professor,CSS
Dr. Amit Mukherjee - Assistant Professor,CSST
Dr. ManojKumar Vanara – Assistant Professor,CSSM
Dr. Preeti Sharma -Assistant Professor,IR
Mr. Manish Barthwal -Assistant Professor ,IR
Dr. Alok Pandey,CHCPD
Dr. Sunil Sharma -PRO
Mr. Shrikant -ICT

Chief Patron



Prof. Rama Shanker Dubey,
Hon'ble Vice Chancellor, CUG

Patron



Prof. Sanjay Kumar Jha
Dean SNSS

Convenor



Dr. Shrish Kumar Tiwari,
CSST

Co-Convenor



Dr. Sourabh Kumar,
CSST

