

**National Education Policy 2020 Inserted PG Programme
on the basis of “Choice Based Credit System-C. B. C. S.”**

M. A./ M. Sc. in *Defence & Strategic Studies*

(Session 2022-23 onwards)



Examined and approved by:

Board of Studies- Defence & Strategic Studies

Maharaja Suhel Dev State University,

Azamgarh-276 128, Uttar Pradesh (INDIA)

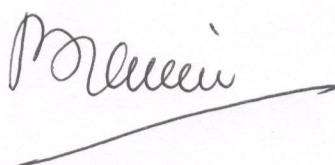
Course Structure

First Semester

| S. No. | CODE | COURSE NAME | TYPE | CREDITS |
|--------|----------|---|----------|---------|
| 1 | A120701T | Peace and Conflict Studies | Core | 4+0 |
| 2 | A120702T | Conceptual Aspects of National Security | Core | 4+0 |
| 3 | A120703T | WMD, Disarmament & Arms Control | Core | 4+0 |
| 4 | A120704T | Legal Aspects of war | Core | 4+0 |
| 6 | A120705P | Practical | Core (P) | 0+4 |
| 7 | A120706R | Major Research Project | R | 0+4 |

Second Semester

| S. No. | CODE | COURSE NAME | TYPE | CREDITS |
|--------|----------|--|----------|---------|
| 1 | A120801T | Evolution of Indian Art and Science of War | Core | 4+0 |
| 2 | A120802T | India's National Security Spectrum & Challenges | Core | 4+0 |
| | | <i>Choose any TWO from the following electives</i> | | |
| 3 | A120803T | Conflict and Media | Elective | 4+0 |
| 4 | A120804T | Economic Aspects of war | Elective | 4+0 |
| 5 | A120805T | Evolution and Development of western Art of war | Elective | 4+0 |
| 5 | A120806T | Cyber Security | Elective | 4+0 |
| 6 | A120807P | Practical | Core (P) | 0+4 |
| 7 | A120808R | Major Research Project | R | 0+4 |

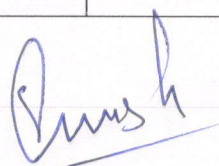
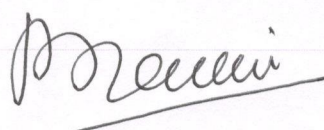
Course Structure

Third Semester

| S. No. | CODE | COURSE NAME | TYPE | CREDITS |
|--------|----------|--|----------|---------|
| 1 | A120901T | Functional Aspects of Research Methodology | Core | 4+0 |
| 2 | A120902T | Science, Technology and National Security | Core | 4+0 |
| | | <i>Choose any TWO from the following electives</i> | | |
| 3 | A120903T | Security and Cooperation in South Asia | Elective | 4+0 |
| 4 | A120904T | Contemporary Strategic Environment and Issues | Elective | 4+0 |
| 5 | A120905T | Geopolitics and Military Geography | Elective | 4+0 |
| 6 | A120906T | Military Sociology: Issues and Challenges | Elective | 4+0 |
| 7 | A120907P | Practical | Core (P) | 0+4 |
| 8 | A120908R | Major Research Project | | 0+4 |

Fourth Semester

| S. No. | CODE | Course Name | TYPE | CREDITS |
|--------|----------|--|----------|---------|
| 1 | A121001T | Non-Traditional Security | Core | 4+0 |
| 2 | A121002T | India's Maritime Security | Core | 4+0 |
| | | <i>Choose any TWO from the following electives</i> | | |
| 3 | A121003T | Strategic Thought | Elective | 4+0 |
| 4 | A121004T | India's Defence and Foreign Policy Initiatives | Elective | 4+0 |
| 5 | A121005T | Theories of International Relations | Elective | 4+0 |
| 6 | A121006T | Indian Police and Internal Security Management | Elective | 4+0 |
| 7 | A121007P | Practical | Core (P) | 0+4 |
| 8 | A121008R | Major research Project | | 0+4 |

M.A./M.Sc. First Semester Based on CBCS (Defence & Strategic Studies)

A120701T:

Peace and Conflicts Studies

Total Credit- 4

Course Objective

Contemporary Peace and Conflict Studies began as a response to the World Wars. Today, Peace and Conflict Studies are an extremely broad and interdisciplinary field that is studied at universities throughout the world. The objectives of introducing the course are to develop understanding of the concept, nature and scope of peace and conflict studies, to develop understanding of the theories and approaches to resolve conflict and promoting peace and to develop understanding of the roles of United Nations and CBMs in it.

Unit-I

1. Peace and Conflict Studies: Meaning, Nature and Scope
2. Conceptual Analysis of Conflict and Peace
3. Conflict Management in the Regional Context

Unit-II

1. Gandhian Approach and its Current Relevance for Conflict Resolution
2. Causes of War
3. Regional Conflicts and Role of United Nations

Unit- III

1. Confidence & Security Building Measures (CSBMs)
2. Peace Building, Peace Making, Peace Keeping
3. Problems of CSBMs in Contemporary World.

Unit- IV

1. Settlement of Dispute
2. Human Security and Peace Building
3. Disarmament and Arms Control.

Suggested Readings:

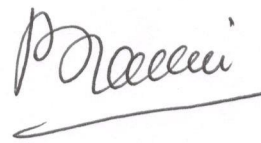
1. K.E.Boulding, Conflict and Defence : A General Theory, Newyork, 1962
2. Anima Bose (ed.), Peace and Conflict Resolution in World Community, New Delhi, 1919
3. Bhaskar Rao, Global Perceptions on Peace Education, New Delhi, 1996.
4. Peter Ackerman & Jack Duvall, A Force More Powerful: A Century of Non-Violent Conflicts, New York, 2000.
5. B. Boutros Ghali, An Agenda For Peace: Preventive Diplomacy, Peace Making and Peace Keeping, (U.N. Report) New York, 1992.
6. B.U. Bright, Educating for Peace, New York, 1985.
7. Adam Curle, Another Way: A Mechanistic View of War and Peace, Cambridge, 1927.
8. A.C. Dasgupta, Non-Violence: The Invincible Power, Calcutta. 1956.
9. Lewis Caser, Functions of Social Conflict, New York, 1956.
10. J.W. Burton, International Conflict Resolution, New York, 1965.
11. Ghanshyam Purdeshi (Ed.), Contemporary Peace Research, New Delhi, 1982
12. Johan Galtung, Struggle for Peace, Ahmedabad, 1984.
13. Johan Galtung, Peace by Peaceful Mean: Peace and Conflict, Development and Civilization, Sage Pub, 1996
14. Johan Galtung, Essays in Peace Research, Copenhagen, 1975.

15. Quincy Wright, A Study of War, Chicago, 1965.

Course Outcome

After completion of this course the student will be able to:

1. Understand the conceptual analysis of peace and conflict with their meaning nature and scope.
2. Understand the concept, theories and approaches to conflict resolution and peace research.
3. Understand regional conflicts and role of United Nations and Confidence & Security Building Measures (CSBMs).

A handwritten signature in black ink, appearing to read 'P. Raveen', with a horizontal line underneath.

Course Objective

For a country, national security has always been an issue of prime importance. It has wide scope and interdisciplinary nature. This paper is introduced with the objective of developing deep understanding of the concept, nature, components, dimensions and threats of national security in terms of contemporary thinking and, of course, the needs. The course is very important for various competitive exams such as NET, PCS and other teaching jobs.

Unit-I

1. Concept of National Security.
2. Components of National Security.
3. National Security in the Age of Globalization: New Threats and Challenges

Unit-II

1. Comprehensive Security: Meaning and Scope
2. Non-Traditional Security: Meaning and Scope
3. Human Security: Meaning and Scope

Unit-III

1. Energy Security: Concept and Issues
2. Environmental Security: Concept and Issues
3. Cyber Security: Concept and Issues

Unit-IV

1. Foreign Policy: Concept, Objectives and Lineages
2. Defence Policy: Concept, Objectives and Lineages
3. Defence Cooperation, Strategic Partnership and Security Dialogue: New Trends in 21st Century Scenario.

Suggested Readings:

1. K. Subramanyam, Our National Security, Economic and Scientific Research Foundation
2. Michael Clark, New Perspective on Security; London, 1993.
3. S. D. Sinha, Security in the New World Order, Chanakya Publication, Delhi, 1993.
4. Gautam Sen, India's Security Consideration in Nuclear Age, Atlantic, New Delhi, 1986.
5. Chitrapu Uday Bhaskar, India's Security Concerns.
6. N. S. Sisodia & C. Uday Bhaskar, Emerging India: Security on Foreign Policy Perspectives, IDSA, New Delhi.
7. Barry Buzan, People, States and Fear: The National Security.

Course Outcome

After completion of this course the student will be able to:

1. Understand the evolution of the concept of national security with the components, nature, dimensions and objectives of it.
2. Understand India's national security threats and challenges in the present world as well as in coming decades.
3. Understand the current needs of India's defence cooperation, strategic partnership and security dialogue with strategically important countries.

Course Objective

A stable and lasting world peace and security can only be built on the negation of arms race and the achievement of real disarmament. The objective of the course is to develop understanding of the causes of armament and the need of disarmament and arms control for world peace and security. The course is introduced to develop understanding of its social and economic consequences.

Unit-I

1. Armament: Meaning, Development and New Trends.
2. Basic Concepts, Theories and Correlation between Disarmament & Arms Control
3. Objectives and Nature of Disarmament & Arms Control.

Unit-II

1. Elements of Arms Control Mechanism: Agreements, Verification, Inspection and Control.
2. Measures of Arms Control and Disarmament.
3. Weapons of Mass Destruction (WMD): Nuclear Weapons, Chemical, Biological and Weather Weapons.

Unit-III

1. Concept of Non-Proliferation, Non-Proliferation Treaty, PTBT, CTBT, MTCR, FMCT and other Treaties
2. Nuclear Policies of Nuclear Weapon States (NWS) & Non-Nuclear Weapon States (NNWS).
3. Terrorism and Nuclear Proliferation

Unit- IV

1. Arms Trade Treaty (ATT) and its Implications for Regional & Global Security.
2. Disarmament and Development
3. Social and Economic Consequences of Disarmament & Arms Control.

Suggested Readings:

1. SIPRI Year-Book of Armament and Disarmament.
2. US Arms Control & Disarmament Agency Publications.
3. IISS Publications: Adelphi Papers, Survival.
4. IDSA Publications.
5. ICWA Publications.
6. UN Publications.
7. Emile Benoit & K.E. Boulding, 1963, Disarmament and the Economy, Harper and Row Publisher, New York.
8. R. Faramazyan, 1981, Disarmament and Economy, Progress Publishers Moscow
9. Military Balance ISSS, London.

Course Outcome

After completion of this course the student will be able to:

1. Understand the basic concepts and facts related to armament, disarmament and arms control.
2. Understand the impact of development and proliferation of the conventional as well as the Weapons of Mass Destruction on regional and global peace and security.
3. Understand social and economic consequences of disarmament and arms control

Course Objective

Legal aspects of war are essential for the survival of the concerned state. The objective of the course is to develop understanding of the concept and the various dimensions of war and its legality. Human right and Humanitarian law are issues related to the legal aspects of war. Legal status of refugees is an important problem for the world countries. This course is introduced to develop understanding of the various legal issues and dimensions of war.

UNIT- I

1. War: Concept, Declaration of War, Legal Regulation on War, Effects of War
2. Settlement of Disputes
3. Neutrality

UNIT- II

1. Laws of Land Warfare
2. Laws of Maritime Warfare
3. Laws of Aerial Warfare

UNIT- III

1. Legality of Nuclear Warfare
2. Blockade and Enemy Character
3. Human Rights: Concept, Classification, Declaration and International Convention

UNIT- IV

1. Human Rights in Indian Constitution, NHRC
2. Concept and Theories of International Humanitarian Law
3. Refugee: Concept, Refugee Problems in South Asia, Solutions

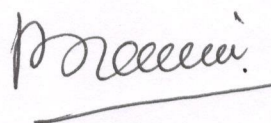
Suggested Readings:

1. M.P. Tandon and Rajesh Tandon (1987), An Introduction of International Law, Allahabad Law Agency, Allahabad.
2. S.K. Kapoor, (1987), International Law, Central Law Agency, Allahabad.
3. R.S. Chavan, (1971), An Approach to International Law, Sterling Publisher, New Delhi.
4. J. Starke, (1972), An Introduction to International Law, Butterworth, London.
5. Oppenheim (2008), International Law, 9th Edition, University of Cambridge.

Course Outcome

After completion of this course the student will be able to:

1. Understand the legal concept of war and legal regulations on war.
2. Understand the various dimensions of human rights, its violations and protection as well and international law.
3. Understand the concept and theories of international humanitarian law and Refugee.



A120705P:

Practical

Total Credit: 4

Students are assigned with the practical task of spotting and strategic briefing of the following with the help of given maps/computer-based presentations:

1. Headquarters of Indian Army.
 2. Headquarters of Indian Air force.
 3. Important Naval bases and ports of India.
 4. Important Nuclear and Space Research Establishments in India.
 5. Defence Research and Development Organization in India.
- After Completion of the Course the student will submit a record file

A120706R:

Project

Total Credit: 4

Small groups of students will be allotted small research projects on national security, which will be evaluated on the basis of project report, PPT presentation and viva voce. Every group will be supervised by a Teacher of the department. The marks earned by the group will be awarded as same to the students of the respective group.

M.A./M.Sc. Second Semester Based on CBCS (Defence & Strategic Studies)

A120801T:

Evolution of Indian Art and Science of War

Total Credit- 4

Course Objective

The main objective of this paper is to enhance the understanding of the student about the Indian military systems during different Periods of history and to inculcate strategic thinking insight into them.

Unit- I

1. Basic Concept and a Brief Survey of the Military Traditions of India.
2. Military System and Defence Mechanism in Vedic period
3. Military System and Defence Mechanism in Puranic and Epic Age.

Unit- II

1. Comparative Study of Indo-Greek Art and Science of Warfare with Special Reference to Battle of Hydaspas 326 BC.
2. Mauryan Military System; Kautilya's Philosophy of War, Concept of Defence, Security and Inter-State Relations.
3. Comparative Study of Indo-Turk Art and Science of War with Special Reference to Battle of Tarrain 1191 AD & 1192 AD

Unit- III

1. Mughal Military System with Special Reference to Battle of Panipat 1526 AD
2. Maratha Military System with Reference to Irregular and Regular Warfare of Shivaji
3. Anglo- Maratha War with Special Reference to Battle of Assaye 1803 AD

Unit- IV

1. Anglo-Sikh War with Special Reference to Battle of Sobaraon 1846 AD
2. Contribution of Maharaja Ranjeet Singh to the Evolution of Sikh Military System
3. Causes & Importance of First War of Independence 1857

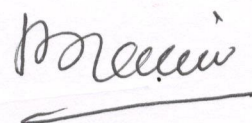
Suggested Readings:

1. Prasad and Singh, Bhartiya Sainya Itihas ki Ruprekha
2. Ashok Singh, Bhartiya Sainya Itihas
3. S.D. Singh, Ancient Indian Warfare with Special Reference to Vedic Period
4. B.K. Majumdar, Military System in Ancient India
5. B.K. Majumdar, Bhartiya Sena Ka Itihas
6. J.F.C. Fuller, Generalship of Alexander the Great
7. J.N. Sarkar, Military History of India
8. I. Ervin, Army of Indian Moghuls
9. Major R.C. Kulshrestha, Kautilya's Philosophy of War

Course Outcome

After completion of this course the student will be able to:

1. Understand the basic concepts of the Indian military traditions.
2. Understand comparative analysis of Indian military systems during different Periods of history and the military systems of foreign invaders.
3. Inculcate the strategic thinking insight.



Course Objective

India presents endless varieties of physical features and cultural patterns. The strategic spectrum ranges from geo-political to geo-strategic domain. The objective of the course is to develop deep understanding of the complex geo-political and geo-strategic realities of the country and their impact on its national security.

Unit-I

1. The Development of the Concept of Nationhood in India
2. Pluralism in India: Strength and Weaknesses
3. India's National Security Objectives and Aspirations in a Changing world

Unit-II

1. Contemporary Strategic Scenario and India
2. Maritime Security Challenges
3. Socio-Economic, Political and Environmental Challenges

Unit-III

1. Left-Wing Extremism
2. Insurgency in North-East and Punjab
3. State Sponsored Terrorism in J & K

Unit-IV

1. Counter Insurgency: Strategies and Successful Case Studies
2. Territorial Disputes with Pakistan and China
3. National Security Policy and Options.

Suggested Readings:

1. N. Manoharan, Security Deficit: Comprehensive Internal Security Strategy for India, Pentagon Press, 2012
2. Brig. R.A. Singh, India's National Security: Through Ages, Raj Publication, 2006
3. Rumel Dahiya, Ashok K. Behuria, (eds.) India's Neighborhood- Challenges in the Next Two Decades, IDSA, 2012
4. Maj. Gen. Depankar Banerjee, Security in South Asia: Comprehensive on Cooperative, Manas Publication, 2003
5. Col. Ved Prakash, Terrorism in India's North East, Manas Publication, New Delhi
6. Kapil Kak (ed.), Comprehensive Security for an Emerging India, Knowledge World, New Delhi
7. Jasjit Singh, India's Security in a Turbulent World, National Book Trust, India. 2013
8. Mohanan B. Pillai, India's National Security, Concerns on Strategies, New Century Publication, 2013

Course Outcome

After completion of this course the student will be able to:

1. Understand the basic elements of India's national security and strategic spectrum.
2. Understand India's national security objectives and aspirations in today's changing world.
3. Understand sources of intra-state conflicts and the mechanism of conflict management.

Course Objective

The objective of the course is to enable the students to understand the concepts of conflict and media, the inter-relationship between the conflict and media and the importance and role of Indian media in national security.

Unit-I

1. Conflict: Concept, Meaning and Definition
2. Media: Concept, Meaning and Definition
3. Inter-Relations Between Conflict and Media

Unit-II

1. Conflict and Media: History and Development
2. Terrorism and Media: Threats and Challenges
3. Social Media and National Security: Threats and Challenges

Unit-III

1. Information Age and Changing Dimensions of Conflict
2. Increasing Impact of Media on Society and States
3. Media Ethics and Laws Regarding Conflict

Unit-IV

1. Media in India: Size, Characteristics and Impact
2. Conflict and Media: Indian Scenario
3. Role of Media in Disaster and National Security Management.

Suggested Readings:

1. The Media of Conflict: War Reporting and Representations of Ethnic Violence Edited by Tim Allen and Jean Seaton
2. The Media at War: Communication and Conflict in the Twentieth Century by Susan Carruthers.
3. Eytan Gilboa (Editor), Media and Conflict: Framing Issues, Making Policy, Shaping Opinions
4. War and the Media: Reporting Conflict 24/7 Daya Kishan Thussu, Des Freedman
5. Ben O, War and Media Andrew Hoskins, Media and Terrorism Des Freedman, Daya Kishan
6. War and the Media Paul M. Haridakis, Barbara
6. John Stanie, War and the Media Miles Hudson,

Course Outcome

After completion of this course the student will be able to:

1. Understand the basic concepts, meanings, and definitions of conflict and media.
2. Understand the inter-relationship between conflict and media.
3. Understand the importance and role of Indian media in national security

Course Objective:

Defence and development are the two sides of the same coin. The objective of course is to study the basic concept and theories of defence economics and to understand the interrelationship of war and economy.

Unit-I

1. Was Economic- Concept, War and Peace Economy
2. Problems and Solutions of War Economy
3. Economic Warfare

Unit-II

1. Economic Potential of War
2. Cost of War
3. War Finance

Unit-III

1. Defence Production in India
2. Economics of Disarmament
3. Defence Budget- Comparative Study of India, Pakistan and China Defence Budget

Unit-IV

1. The New International Economic Order– Concept, Economic Rights of States, Economic Duties of States, South-South Cooperation, North-South Dialogue
2. Regional Economic Groupings- SAPTA, BIMSTEC, IBSA, GATT, World Bank and IMF
3. World Bank and International Monetary Fund (IMF)

Suggested Readings:

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4. Rethinking the Economics of war: The intersection of Need, Creed and Greed Edited by Cynthia J Arnson, Published:28 October 2005, ISBN 13:9780801882982
5. Economics of war and Peace: Economic Legal and Political perspectives, edited by Ben Goldsmith, published: Emerald Group Publishing Limited, Published: 01 July 2010, ISBN 13:99780857240040
6. The Economics of war: The Economics of war by Pal Poast, Publisher: Mc Graw Hill Higher Education, Published:21 March,2008, ISBN 13:9780073133997
7. Economic Theories of Peace and war (Studies in Defence Economics) by Fanny Coulomb, Publisher: Routledge' Published:24 September, 2004, ISBN 13:9780415284080
8. The Economics of war I Stephen Broadberry (Editor) Mark Harrison(Editor), Publication Date: April 2, 2009 ISBN 10 0521107253.
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Course Outcome:

After completion of this course the student will be able to:

1. Understand the basic concept and theories of defence economics.
2. Understand the inter-relationship of war and economy.
3. Understand the new international economic order.

A120805T: Evolution and Development of Western Art of War Total Credit- 4

Course Objective:

The main objective of this paper is to enhance the understanding of the student about the western military systems during different Periods of history and to inculcate strategic thinking insight into them.

UNIT- I

1. Impact of Armament on Tactics.
2. Military System of Greeks and Romans with Special Reference to Important Battles.
Battle of Arbela 331 B.C.
3. Battle of Cannae 216 B.C.

UNIT- II

1. Barbarians and the Battle of Adrianople
2. Mounted Archers and the Battle of Hastings 1066 A.D.
3. Revival of Infantry and the Battle of Crecy 1346 A.D.

UNIT- III

1. Impact of Science and Technology on Warfare with Special Reference to the Reform of Gustavas Adolphus and Frederick the Great
2. Revolution in Tactics with Special Reference to French Revolution and Napoleonic Warfare
3. American Civil War (1861-1865) and New Military Trend

UNIT- IV

1. Foundation of World War I, Treaty of Versailles
2. Rise of Nazism; Origins of World War II
3. Theories of Deterrence: Credibility and Intentions

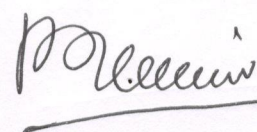
Suggested Readings:

1. Archer, I. John R. Ferris, Holger H. Herwig, and Timothy H. E. Travers. *World History of Warfare* (2nd ed. 2008) 638 pp
2. Black, Jeremy. *Warfare in the Western World, 1775–1882* (2001) 240 pp.
3. Black, Jeremy. *Warfare in the Western World, 1882–1975* (2002), 256 pp.
4. Chambers, John Whiteclay, ed. *The Oxford Companion to American Military History* (2000)
5. Cowley, Robert, and Geoffrey Parker, eds. *The Reader's Companion to Military History* (2001) excellent coverage by scholars.
6. Dear, I. C. B., and M. R. D. Foot, eds. *Oxford Companion to World War II* (2005; 2nd ed. 2010)
7. Doughty, Robert, Ira Gruber, Roy Flint, and Mark Grimsley. *Warfare In The Western World* (2 vol 1996), comprehensive textbook;

Course Outcome

After completion of this course the student will be able to:

1. Understand the basic concepts of the western military traditions.
2. Understand comparative analysis of western military systems during different Periods of history and the military systems of foreign invaders.
3. Inculcation of strategic thinking insight



Course Outcomes:

After undergoing this course a student will be in a position to –

1. Enable students to learn the nuances of the cyber world by understanding cyber threats, to state, institution and individuals.
2. It will also provide an exposure to cyber policy and preparedness mechanisms.
3. Students might also get hands-on experience in trying out practical applications of cyber security.

CONTENTS**UNIT- I**

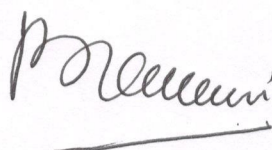
1. Introduction to Cyber Technologies- Information Systems, Networks/LAN/WAN, Military Sensors.
2. Types of Cyber Crime- Hacking, Password Cracking, Insecure Network Connection, Theft at Tele Communication Services
3. Impact of Cyber Crime on National Security - Impact on Armed Forces & Law enforcement Agencies' Information Systems - Impact on National Economy/Market - Impact on Citizen Security.

UNIT-II

1. Detection and Prevention methodologies - Risk Identification - Levels of Protection - Cyber Defensive Measures
2. Cyber Laws - Cyberspace and the Law - Introduction, Cyber Security Regulations, Roles of International Law, the state and Private Sector in Cyberspace, Cyber Security Standards.
3. The Indian Cyberspace, National Cyber Security Policy 2013.

Suggested Readings:

1. Beidleman, Scott W. (2009) Defining and Deterring Cyber War, Master's thesis, U.S. Army War College.
2. Borum, Randy, and Ronald Sanders, (2015) Cyber Intelligence: Preparing Today: for Tomorrow's Threats, Intelligence and National Security Alliance.
3. Godbole Nina, (2011) Cyber Security, Wiley India, New Delhi. Godbole Nina, (2017) Information Systems Security: Security Management, Metrics, Frameworks and Best Practices, Wiley India, New Delhi.
4. Shoemaker, Dan and Conklin, Arthur (2011) Cyber Security – The Essential body of Knowledge, Cengage Learning.
5. Kim Andreasson, ed., (2012) Cyber Security – Public Sector threats and responses, CRC Press, Boca Raton, FL.
6. Lin V Choi, ed., (2005) Cyber Security and Homeland Security, Nova Publishers, New York.



A120807P:

Practical

Total Credit- 4

Students will be expected to mark the areas and spot strategic points on the map provided and write a brief note about the different strategic areas/spots.

1. Disputed Land areas with bordering states-
 - a. Pakistan
 - b. China
 - c. Nepal
 - d. Bangladesh
2. Disputed Sea Areas with bordering States-
 - a. Pakistan
 - b. Bangladesh
3. Conflict Zones of South Asia-
 - a. India
 - b. Pakistan
 - c. China
 - d. Nepal
 - e. Bangladesh
 - f. Sri Lanka

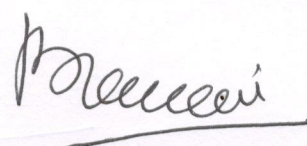
After Completion of the course the students will submit a record file

A120808R:

Project

Total Credit- 4

Small research projects on international problems will be assigned to groups of students which will be evaluated on the basis of project report and PPT presentation and viva voce. Every group will be supervised by a Teacher of the department. The marks earned by the group will be awarded as same to the students of the respective group.



M.A./M.Sc. Third Semester Based on CBCS (Defence & Strategic Studies)

A120901T: **Functional Aspects of Research Methodology** **Total Credit- 4**

Course Objective

The objective of the course is to make students knowledgeable about the research process and to enable them to pursue research work competently.

Unit- I

1. Meaning and Objectives of Research
2. Types of Research
3. Research Cycle

Unit- II

1. Research Problem: Meaning and Types
2. Characteristics of a Good Research Problem
3. Process and Sources of Good Research Problem

Unit- III

1. Hypothesis: Meaning and Types
2. Characteristic and Sources of Hypothesis
3. Deference Between Research Problem and Research Hypothesis

Unit- IV

1. Review of Literature
2. Data Collection Techniques
3. Analysis & Writing (References, Foot Notes, Appendix & Bibliography)

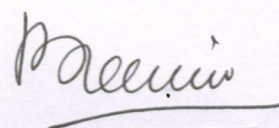
Suggested Readings:

1. J.E. Bell, Projective Techniques, Longmans, 1948
2. J.W. Best, Research in Education, Prentice Hall, 1978
3. D. Lindmias, Statistical Analysis in Educational Research, Oxford, 1968
4. D. Nachmias, Research Methods in the Social Sciences, New York, 1981
5. P.V. Young, Scientific Social Survey and Research, Prentice Hall of India, 1988
6. Mohd. Sulaiman, Research Methodology in Behavioral Sciences, Patna, 1998
7. Laximi Narayan, Research Methodology, YK Publisher's Agra U.P.
8. B.M. Jain, Research methodology, Prakri Bharati Academy, Jaipur
9. C.R. Kothari, Research methodology: Methods and Techniques, 1985.

Course Outcome

After completion of this course the student will be able to:

1. Understand the basic concepts of research and research methodology.
2. Understand the formulations of research topic, research questions, hypotheses and research design.
3. Understand the techniques of data collection, data analysis and data interpretation.



A120902T:

Science, Technology and National Security

Total Credit- 4

Course Objective

Science and technology innovation plays a core role in national security. The objective of the course is to develop understanding of the role of modern science and technology in national security.

UNIT- I

1. Science, Technology and Society
2. Impact of Major Technological Breakthroughs on Society
3. Applicability of Sciences in the Field of Defence

UNIT- II

1. Chemical-Biological Sciences and Their Military Utility
2. Nuclear Technology and Related Developments
3. Missile Technology and India's Missile System

UNIT- III

1. Revolution in Military Affairs (RMA)
2. International Interdependence and Transfer of Defence Technology: Global Trends and Indian Scenario.
3. Technology Transfer Control Regime

UNIT- IV

1. Critical & Dual Technologies and India's Defence Needs.
2. DRDO and Indian Defence.
3. Indian Scenario for Modern Technological Development

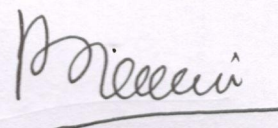
Suggested Readings:

1. Karsten Frey, India's Nuclear Bomb on National Security, Routledge, New York, 2006.
2. Samir K. Sen, Military Technology on Defence Industrialization: The Indian Experience, Manas Publication, New Delhi, 2000.
3. Robert Jackson, Hi-Tech Warfare, Headline Publication, London, 1991.
4. Griffith and Paddy, Ultimate Weaponary, Blitz Edition Publications, London, 1991.
5. Air cmde (Dr) C. N. Ghose, Future Defence Challenges: Armed Force of the 21st Century, Manas Publications, New Delhi.
6. J Norris, NBC – Nuclear, Biological & Chemical Warfare on the Modern Battlefield, Brassey's, U.K., 1997.
7. Emily O. Goldman and Leslie C Eliason (eds) The Deffussion of Military Technology and Ideas, Stanford University Press, 2003.

Course Outcome

After completion of this course the student will be able to:

1. Understand the impact of science and technology on society.
2. Understand the military applicability of science and technology.



3. Understand the advancement of defence technology and India's defence needs.

A120903T:

Security and Cooperation in South Asia

Total Credit- 4

Course Objective

South Asia is the most populous region in the world. It enjoys a unique strategic location and offers an enormous economic potential. But, unfortunately, this region is plagued with various inter-state and intra-state conflicts. The objective of the course is to understand the conflict and cooperation matrix of South Asia region.

UNIT- I

1. Geo-Political Setting of South Asia.
2. Strategic Importance of South Asia
3. Society, Culture and History of South Asia.

UNIT- II

1. Strategic Importance of Afghanistan, Myanmar and China for South Asia
2. Major Powers in South Asia (USA, Russia, China)
3. Contemporary Issues and Conflicts in South Asia

UNIT- III

1. Regional Cooperation: Conceptual Dimensions
2. Prospects of Sub-Regional Cooperation in South Asia
3. SAARC

UNIT-IV

1. Maritime Cooperation in South Asia
2. Role of Pressure Groups in Politico-Military Scenario of South Asian Countries.
3. Peace Initiatives in South Asia

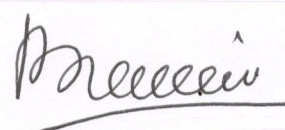
Suggested Readings:

1. K.E. Boulding, Conflict and Defence: A General Theory, New York, 1962
2. Anima Bose (ed.), Peace and Conflict Resolution in World Community, New Delhi, 1919
3. Bhaskar Rao, Global Perceptions on Peace Education, New Delhi, 1996.
4. Peter Ackerman & Jack Duvall, A Force More Powerful: A Century of Non-Violent Conflicts, New York, 2000.
5. B. Boutros Ghali, An Agenda For Peace: Preventive Diplomacy, Peace Making and Peace Keeping, (U.N. Report), New York, 1992.
6. B.U. Bright, Educating for Peace, New York, 1985.
7. Adam Curle, Another Way: A Mechanistic View of War and Peace, Cambridge, 1927
8. A.C. Dasgupta, Non-Violence: The Invincible Power, Calcutta. 1956.
9. Lewis Caser, Functions of Social Conflict, New York, 1956.
10. J.W. Burton, International Conflict Resolution, New York, 1965.
11. Ghanshyam Purdeshi (ed.), Contemporary Peace Research, New Delhi, 1982
12. Johan Galtung, Struggle for Peace, Ahmadabad, 1984.

Course Outcome

After completion of this course the student will be able to:

1. Understand the concept and scope of conflict and co-operation studies.
2. Understand the conflict and co-operation matrix of South Asia.
3. Understand the internal problems and issues of the region and prospects of peace and co-operation.



Course Objective

India's National Security Environment is determined by its geographical tributes, historical legacy, socio-economic circumstances as well as regional and global developments. Contemporary Strategic Environment in India is related to contemporary security challenges being faced by India and how India is trying to acquire the status of regional power and world power. The aim of the paper is disseminating the knowledge for civil services aspirants. Besides, role of armed forces in dealing with the threats has also been focused.

UNIT- I

1. Conflict in Korean Peninsula: Genesis and Contemporary Trends
2. Israel-Palestine Conflict: Genesis and Contemporary Trends
3. Conflict in South China Sea: Challenges and Responses

UNIT- II

1. Afghanistan Imbroglio: Challenges and Responses
2. Islamic Fundamentalism in Afghanistan-Pakistan Region: Challenges and Responses
3. Emergence of ISIS: Challenges and Responses.

UNIT- III

1. US-Iran Conflict in Persian Gulf
2. Crisis in Yemen
3. Strategic Environment of Indo-Pacific Region and QUAD

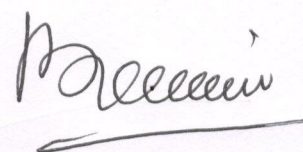
UNIT- IV

1. Central Asia: Conflict, Issues and Challenges
2. Domestic Turmoil in Nepal: Strategic Implications for India.
3. China's Belt and Road Initiative: Strategic Implications for India

Course Outcome

After undergoing this course a student will be in a position to –

1. Learn contemporary challenges to peace and stability in the world.
2. The contemporary problems of international threats like ISIS, Uyghers, Jaish-e-Mohammed, Islamic fundamentalism and other issues threatening international peace and security
3. The course also makes them learn to contemplate response mechanisms to solve conflict issues.



Course Objective

Geopolitics has been the driving force in world politics and international relations. The military geography of a country has a direct bearing on its defence. The objective of the course is to provide students deep knowledge of geopolitics and main power theories propounded by strategic thinkers. To study the military geography of India and the related defence problems is also very important for contributing in shaping of the defence policy of the country.

UNIT- I

1. Concept and Meaning of Geo-Politics
2. Scope and Importance of Geo-Politics
3. Development of Geo-Politics

UNIT-II

1. Sea Power Theory: Mahan and Houshoffer
2. Land Power Theory: Machinder and Spykman
3. Air Power Theory: Seversky

Unit- III

1. Geography in Land Warfare
2. Geography in Sea Warfare
3. Geography in Air warfare

Unit- IV

1. Importance and Scope of Logistics
 - 1.1 Resources
 - 1.2 Industries
 - 1.3 Supply Chain
2. Military Geography of India: Defence Problems
3. Weather and Communication

Suggested Readings:

1. ;q) ds lk/ku vkSj lk/;] estj vk0 lh0 dqyJs"B] bykgkckn] 1965-
2. B. Dasgupta and W.H. Morris Jones (1975): Patterns and Trends in Indian Politics, New Delhi, Allied Publishers.
3. A. De Seversky (1942): Victory through Air Power, New York, Simon & Schueter.
4. J. Fairgrieve (1915): Geography and World Power, London University of London Press.
5. C.B. Fawcett (1918): Frontiers: L A Study in Political Geography London, Oxford University Press.

Course Outcome

After completion of this course the student will be able to:

1. Understand the concept, meaning and scope of geo-politics.
2. Understand the theories of land power, air power and sea power propounded by strategic thinkers

3. Understand the nature and scope of military geography of India and related defence problems.

A120906T:

Military Sociology: Issues and Challenges

Total Credit- 4

Course Objective

Military Sociology will not only acquaint the students with the general sociology but also with sociological issues faced by the soldiers during the service as well after retirement and the problems of resettlement and rehabilitation after war.

UNIT- I

1. Impact of Wars on Society.
2. Effects of Military Life on Dependents
3. Stress in Military Service

UNIT- II

1. Problems of Re-Settlement of War Victims
2. Social Problem of Military Personnel (killed or disabled)
3. Demobilization, Rehabilitation and Social Adjustment of Ex-Servicemen.

UNIT- III

1. Gender Issues in Armed Forces
2. Role and Positions of Women in Armed Forces
3. Problems of War-Widows.

UNIT- IV

1. Politicization of Armed Forces: Trend and Impact
2. Use of Armed Forces in Civil Unrest: Issues and Complications
3. Civil-Military Relations in India

Suggested Readings:

1. J.C.M. Baynes (1972), The soldier in Modern Society, Eyre Methuen, London.
2. Jacques Van Doorn (1975), The Soldier and Social Change, , Sage Publications, New Delhi.
3. William Gutteridge (1965), Military institutions and power in the new States, Pall Mall Press, London.
4. Morris Janowitz (1959), Sociology and the Military Establishment, Russell Sage Foundation
5. John Johnson (ed.) (1962), Race, Class & Military: The role of the Military in under developed Countries, Princeton University Press.
6. Leena Parmar (1994), Society, Culture and Military System, Rawat Publications, Jaipur.
7. Leena Parmar (ed.) (1999), Military Sociology: Global Perspectives, Rawat Publishers & Distributors, Jaipur.
8. Martin Shaw (ed.) (1984), War, State & Society, Macmillan Press, London.
9. Alix Strachey (1957), The unconscious motives of war., Allen & Unwin, London

Course Outcome

After undergoing this course a student will be in a position to –

1. Learn social aspects of war and post-war social issues like resettlement and reconstruction.
2. Also help students understand the problems of ex-service personnel in India; and
3. Role of women in armed forces.

A120907P:

Practical

Total Credit- 4

The students will be assigned to prepare/ conduct Computer-based exercises or Computer experiments on selected topics of contemporary relevance in the field of **National Security**. Every Student will submit a power point presentation followed by viva–voce.

A120908R:

Project

Total Credit- 4

Small research projects on national security / disaster management / cyber security will be allocated by dividing the students into small groups which will be evaluated on the basis of project report and PPT presentation and viva voce. Every group will be supervised by a Teacher of the department. The marks earned by the group will be awarded as same to the students of the respective group.

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**M.A./M.Sc. Fourth Semester Based on CBCS
(Defence & Strategic Studies)**

A121001T:

Non-Traditional Security

Total Credit- 4

Course Objective

Science and technology is essential to the security and development of the countries in modern times. The objective of the course is to develop understanding of the concept, nature and scope of Non-Traditional Security threats and challenges and the role of science and technology in the management of Non-Traditional Security.

UNIT- I

1. Traditional and Non-Traditional Security
2. Non-Traditional Security: Concept and Scope
3. Non-Traditional Security Threats and Challenges and Their Typologies

UNIT- II

1. India's Non-Traditional Security Challenges
2. Proliferation of Chemical and Biological Weapons
3. Non-Traditional Nuclear Threats

UNIT- III

1. Climate Change: Emerging Security Concerns
2. Environmental Disasters
3. Non-Traditional Security and Green Politics

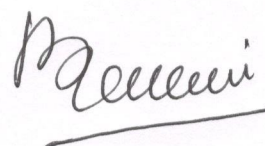
UNIT-III

1. Non-Traditional Issues and Non-State Actors
2. International Terrorism
3. Trans-National Migration: Issues and Challenges

Course Outcome

After completion of this course the student will be able to:

1. Understand the basic concept, nature and scope of Non-Traditional Security.
2. Understand Non-Traditional threats and challenges to India's security.
3. Understand the role of science and technology in the management of Non-Traditional Security of India.



Course Objective

Indian Ocean region has become the hub of intense global activity including global geopolitics over the decades for various reasons. The objective of the course is to develop understanding of the Challenges and opportunities for India in the decades ahead.

UNIT- I

1. Geo-Political Features and Setting of Indian Ocean
2. Geographical Profile of IOR States
3. Economic & Strategic Importance of the Region

UNIT- II

1. Natural Resources in the Indian Ocean: Fisheries and Minerals
2. Energy Resources in the Indian Ocean Region: Vital Features and Source of Competition
3. Trade and Commerce Through Indian Ocean

UNIT- III

1. Naval Powers in the Indian Ocean: (China, USA, Pakistan, India, USA, Iran and others)
2. Militarization of the Indian Ocean Region
3. IORARC

UNIT- IV

1. Indian's Maritime Challenges
2. Maritime Strategy of India
3. Prospects of Cooperation in the Indian Ocean Region

Suggested Readings:

1. The Indian Ocean and the Future of American Power, Robert D. Kaplan, Random House, 2010.
2. Maritime Forces in Pursuit of National Security, Gurpreet S Khurana, Shipra, 2008.
3. India's Maritime Security, Rahul Ray Chaudhary, IDSA and Knowledge world, New Delhi, 2010.
4. Bridges Across the Indian Ocean, IDSA Publication. 7. An Indian Ocean Perspective, National Maritime Foundation Publication, New Delhi, 2005.
5. हरी सरन, हर्ष कुमार सिन्हा, हिन्द प्रशांत क्षेत्र में भारतीय सामुद्रिक रणनीति, राज पब्लिकेशन्स, नई दिल्ली, 2019
6. हरी सरन, हर्ष कुमार सिन्हा, हिन्द महासागर: चुनौतियाँ एवं विकल्प, ए एस आर पब्लिकेशन्स, नई दिल्ली, 2017

Course Outcome

After completion of this course the student will be able to:

1. Understand the economic and strategic importance of Indian Ocean for India's National Security.
2. Understand the ongoing power politics & power rivalry and the interests of external powers in Indian Ocean region.
3. Understand the future trends and prospects of co-operation and security in the Indian Ocean region.

Course Objective:

The objective of the course is to provide knowledge about the concepts of strategy and tactics and relationship between war and politics and the thoughts of noted strategic thinkers on these topics to develop strategic thinking skills of the students.

UNIT- I

1. Machiavelli: Thoughts Regarding War, War and Politics
2. Napoleon: Warfare, Tactics and Reforms
3. Clausewitz: War and its Relationship with Politics, Strategy and Tactics

UNIT- II

1. Jomini: Concept of Mass Army, Strategy, Tactics and Line of Operations.
2. Moltke & Schlieffen: The Prussian-German School of Strategic Thought
3. Foch: The French School of Strategic Thought.

UNIT- III

1. Andre Beaufre: Thoughts on Nuclear Deterrence
2. First- World War: Policies of Allied and Axis Powers, causes of stalemate, use of Tank.
3. Armoured and Mechanized Warfare- Comparative Study of the Thoughts of Fuller and Liddle Hart

UNIT- IV

1. Mackinder: Heart Land Theory
2. Second World War: Strategy and Tactics
3. Seversky- Theory of Air Power, Evolution of Air Power in W.W. II

Suggested Readings:

1. ts- ,e- fJokLro] L=krftd fparu] izR;q'k ifCyds"ku] fnYyh 2014
2. MkW- vkj- ds- flag] jkds"k flag] jroaar flag] fo"o ds izeq[k L=krftd fpard] "kkjnk iqLrd Hkou] bykgkckn 2016
3. MkW- jke lwjr ik.Ms;& L=krftd fopkjd& mn~Hko ,oa fodkl] izdk"k cq d fMiks] cjsyh 2015
4. L. Spalding & J. W. Wright, Warfare, Washington 1937.
5. F. Gilbert, Machiavelli, Art of War.
6. Makers of Modern Strategy, E. M. Earl, at el. (eds), 1986
7. L. Montros, War Through the Ages, New York, 1960.
8. M. Howard, War in European History, London 1976.
9. J. F. C. Fuller, Conduct of War, New Delhi
10. Machiavelli, The Prince, Britain 1961.
11. M. Howard, The Theory and Practice of War, London 1965.

Course Outcome

After completion of this course the student will be able to:

1. Understand the nature, scope and development of strategic thoughts.
2. Understand the concepts of strategy and tactics, relationship between war and politics in view of noted strategic thinkers.
3. Understand the concept of armoured and mechanised warfare

Course Objective:

The objective of the course is to help students to study and understand the major Defence and Foreign Policy Initiatives of India which shaped India's quest for emerging as a regional power.

UNIT- I

1. Basic Determinants of India's Foreign Policy
2. Role of India's Defence Initiatives in Meeting the Foreign Policy Goals
3. International Obligation- Disaster Management and Humanitarian Relief, Peace Keeping Operation, Combating Sea Piracy

UNIT- II

1. Panchsheel
2. Non-Aligned Movement
3. Gujral Doctrine

UNIT- III

1. Nuclear Doctrine
2. Look East Policy
3. Act East Policy

UNIT- IV

1. Look West Policy
2. Project Mausam
3. Connect Central Asia Policy

Suggested Readings:

1. Shivshankar Menon, Choices inside the making of India's foreign Policy, Penguin Random House India Pvt Limited, April 19, 2018
2. S. Jaishankar, The India way Strategies for an Uncertain World, Harper Collins Publishers, 2020
3. Harsh V. Pant ed., New directions in India's foreign Policy Theory and Praxis, Cambridge University Press, 2019
4. J. Bandyopadhyaya, The Making of India's foreign Policy, Allied Publishers, 2003
5. C. Raja Mohan, David Malone, Shrinath Raghvan ed., The Oxford Handbook of Indian Foreign Policy, Oxford University Press, 2015
6. Harsh V. Pant ed., Handbook of Indian Defence Policy, Taylor & Francis, 2015
7. Shrikant Paranjape, India's Strategic Culture The making of National Security Policy, Routledge, Taylor & Francis, 2020
8. Gautam Sen, The Purpose of India's Security Strategy Defence Deterrence and Global Involvement, Taylor & Francis, 2019

Course Outcome

After completion of this course the student will be able to:

1. Understand the basic determinants of India's foreign policy.
2. Understand the Role of India's Defence initiatives and international obligations in meeting the foreign policy goals
3. Study and Understand the major foreign and defence policy initiatives of India

A121005T:

Theories of International Relations

Total Credit- 4

Course Objective

The objective of the course is to help students to study and understand main concepts and theories and approaches of the discipline and the development of international relations of India with other countries.

UNIT- I

1. International Relations: Meaning, Nature and Scope
2. Theories and Approaches: Realism and Idealism
3. Foundation and Limitations of National Power and National Interest

UNIT- II

1. Theories of Balance of Power and Collective Security
2. Non-Alignment: Concept and Importance in Modern Time
3. Regional Organization- SAARC, ASEAN, BIMSTEC, BRICS and other

UNIT- III

1. Cold War: Nature and Evolution since 1945
2. Detente
3. New Cold War Era

UNIT- IV

1. Development of International Relation in Changing Scenario
2. Impact of Nuclear Weapons on International Relation
3. Diplomacy: New and Old

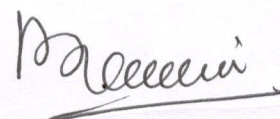
Suggested Readings:

1. H. J. Morgenthau, Politics Among Nations
2. Dr. Mahendra Singh, Theoretical Aspects of International Politics,
3. Palmer & Perkin, International Relation
4. Strategic Analysis, IDSA, New Delhi
5. Couloumbis, Wolfe, Introduction to International Relations.

Course Outcome

After completion of this course the student will be able to:

1. Understand the basic concept, meaning, nature, scope and theories & approaches of international relations.
2. Understand the foundations and limitations of national power, national interests and foreign policy.
3. Understand the principles and objectives of Indian foreign policy and the development of India's international relations with major foreign countries.



Course Objective

The objective of the course is to help students to study and understand history, work system, cooperation with other organizations and laws of Indian Police System. Also students should be able to know the importance of the police force in Indian international security.

UNIT- I

1. History of Policing in India
2. Indian Police act 1860
3. Police Organization after Independence and Setup

UNIT-II

1. Role, Importance and Organizational Structure of State Police Forces (Civil Police, PAC, CID, LIU, etc.)
2. Role, Importance and Organizational Structure of Central police force (CRPF, BSF, ITBP, etc.)
3. Role of Police in Terrorism, Naxalism and Cyber Crime

UNIT-III

1. Role of Police in Disaster Management
2. Cooperation with Civil Administration
3. Cooperation with Law Enforcement Agencies and Armed Forces

UNIT-IV

1. Challenges of Present Police System
2. Restructuring of the Present Organizational Setup
3. Police Reforms in India

Course Outcome

After completion of this course the student will be able to:

1. Understand the Indian Police system, power, duties, work and cooperation.
2. Understand the difference between State and Central Police forces in Indian Internal Security.
3. Understand the role of police in countering terrorism, Naxalism and cybercrime and modus operandi of police in Internal Security.

A121007P:

Practical

Total Credit- 4

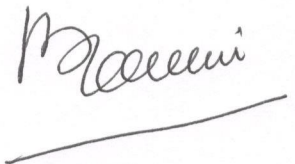
The students will be assigned with the responsibility to prepare/ conduct computer-based exercises or computer experiments on selected topics of contemporary relevance in the field of **International Security**. Every Student will submit a power point presentation followed by viva –voce.

A121008R:

Project

Total Credit- 4

Each student will be allotted an independent project under the supervision of a teacher on National Security/Disaster Management/Cyber Security which will be evaluated on the basis of project report and PPT presentation and viva voce.

A handwritten signature in black ink, appearing to read 'M. Ramesh', is written above a horizontal line.