

FOUR YEAR UNDERGRADUATE PROGRAM (2024 – 28)
DEPARTMENT OF Military Science/ Defence Studies

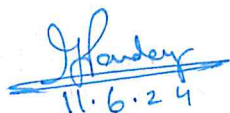
COURSE CURRICULUM

PART- A: Introduction			
Program: Bachelor in Science /Art (Certificate / Diploma / Degree/ Honors)		Semester –	Session:
1	Course Code	DSSE -01T	
2	Course Title	Cyber Security	
3	Course Type	Theory	
4	Pre-requisite (if, any)	As per requirement	
5	Course Learning Outcomes (CLO)	After undergoing this course a student will be in a position to – • Enable students to learn the nuances of the cyber world by understanding cyber threats, to state, institution and individuals. • It will also provide an exposure to cyber policy and preparedness mechanisms. • Students might also get hands-on experience in trying out practical applications of cyber security.	
6	Credit Value	3 Credits	Credit = 15 Hours Study, Learning & Observation
7	Total Marks	Max. Marks: 100	Min Passing Marks: 40

PART -B: Content of the Course

Total No. of learning-Training/performance Periods: 60 Periods (60 Hours)		
Module	Topics (Course contents)	No. of Periods
Unit 1	Types of Cyber Crime – Hacking - Password Cracking - Insecure Network Connection – Theft at Tele Communication Services	15
Unit 2	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.	15
Unit 3	Detection and Prevention methodologies – Risk Identification - Levels of Protection - Cyber Defensive Measures	15
Unit 4	Cyber Laws – Cyberspace and the Law - Introduction, Cyber Security Regulations, Roles of International Law, the state and Private Sector in Cyberspace, Cyber Security Standards. The INDIAN Cyberspace, National Cyber Security Policy 2013.	15
Keywords	Cyber Crime, Hacking, National Security, Armed Forces, Cyber Laws	

Signature of Convener & Members (CBoS) :


11.6.24





PART-C: Learning Resources

Text Books, Reference Books and Others

- Beidleman, Scott W. (2009) Defining and Deterring Cyber War, Master's thesis, U.S. Army War College.
- Borum, Randy, and Ronald Sanders, (2015) Cyber Intelligence: Preparing Today: for Tomorrow's Threats, Intelligence and National Security Alliance.
- 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.
- Shoemaker, Dan and Conklin, Arthur (2011) Cyber Security – The Essential body of Knowledge, Cengage Learning.
- Kim Andreasson, ed., (2012) Cyber Security – Public Sector threats and responses, CRC Press, Boca Raton, FL.
- Lin V Choi ed., (2005) Cyber Security and Homeland Security, Nova Publishers, New York.

Online Resources–

Ministry of Defence - <https://mod.gov.in>,
SWAYAM - <https://swayam.gov.in/>
SWAYAM PRABHA - <https://swayamprabha.gov.in/>
NIOS - <https://nios.ac.in/online-course-material/>

PART -D: Assessment and Evaluation

Suggested Continuous Evaluation Methods:

Maximum Marks: 100 Marks

Continuous Internal Assessment (CIA): 30 Marks

End Semester Exam (ESE): 70 Marks

Continuous Internal Assessment (CIA): (By Course Teacher)	Internal Test / Quiz-(2): 20 & 20 Assignment/Seminar +Attendance - 10 Total Marks - 30	Better marks out of the two Test / Quiz + obtained marks in Assignment shall be considered against 30 Marks
End Semester Exam (ESE):	Two section – A & B Section A: Q1. Objective – 10 x1= 10 Mark; Q2. Short answer type- 5x4 =20 Marks Section B: Descriptive answer type qts., 1out of 2 from each unit-4x10=40 Marks	

Name and Signature of Convener & Members of CBoS:


11.6.24





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COURSE CURRICULUM

PART- A: Introduction			
Program: Bachelor in Science /Art (Certificate / Diploma / Degree/Honors)		Semester –	Session:
1	Course Code	DSSE -01P	
2	Course Title	Map Reading - I	
3	Course Type	Practical	
4	Pre-requisite (if, any)	As per requirement	
5	Course Learning Outcomes (CLO)	After undergoing this course a student will be in a position to – 1. Clearly understand the practical use of map reading. 2. Know Conventional Signs. 3. Familiarize yourself with the place of strategic importance on The map of India.	
6	Credit Value	1 Credits	Credit =30 Hours Laboratory or Field learning/Training
7	Total Marks	Max. Marks: 50	Min Passing Marks: 20
PART -B: Content of the Course			
Total No. of learning-Training/performance Periods: 30 Periods (30 Hours)			
Module	Topics (Course contents)		No. of Period
Lab./Field Training/ Experiment Contents of Course	• Maps: Definition and Features; Classification and its utility for Military; Enlargement and reduction of Maps • Conventional Signs: Military and Geographical • GRID System: Four Figure and Six figure Map References.		30
Keywords	Map , Conventional Signs, Military, Geographical, GRID System		

Signature of Convener & Members (CBoS) :

PART-C: Learning Resources

Text Books, Reference Books and Others

- | | |
|--------------------|--|
| 1. M.P.Verma | : Sainik manchitra vigyan |
| 2. Y.K. Sharma | : Map reading |
| 3. Balwant Singh | : An easy approach to map reading |
| 4. Gale and Porden | : A complete guide to military map reading |
| 5. J.M. Srivastava | : Practical military science part 1 |
| 6. B.N. Maliwal | : Military science practical |

Online Resources–

Ministry of Defence - <https://mod.gov.in>,
 SWAYAM - <https://swayam.gov.in/>
 SWAYAM PRABHA - <https://swayamprabha.gov.in/>
 NIOS - <https://nios.ac.in/online-course-material/>

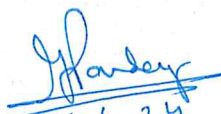
J. Pandey
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PART -D:**Suggested Continuous Evaluation Methods:****Maximum Marks:****50 Marks**

Continuous Internal Assessment (CIA): (By Course Teacher)	Internal Test / Quiz-(2): 10 & 10 Assignment/Seminar +Attendance - 05 Total Marks - 15	Better marks out of the two Test / Quiz + obtained marks in Assignment shall be considered against 15 Marks
End Semester Exam (ESE):	Laboratory / Field Skill Performance: On spot Assessment Y. Performed the Task based on lab. work - 20 Marks Z. Spotting based on tools & technology (written) – 10 Marks AA. Viva-voce (based on principle/technology) - 05 Marks Managed by Course teacher as per lab. status	

Name and Signature of Convener & Members of CBoS:
11.6.24