

# National Cadet Corps

## Syllabus

### AFFILIATED COLLEGES

Program Code: \*\*\*

2021 – 2022 onwards



## BHARATHIAR UNIVERSITY

(A State University, Accredited with “A” Grade by NAAC,  
Ranked 13<sup>th</sup> among Indian Universities by MHRD-NIRF,  
World Ranking : Times - 801-1000, Shanghai - 901-1000, URAP - 982)

Coimbatore - 641 046, Tamil Nadu, India

## National Cadet Corps ( NCC )

The National Cadet Corps, NCC, started in 1948 with 20000 cadets, today it is the largest uniformed youth organisation in the world with more than 14.5 lakh cadets. With Headquarters at New Delhi, NCC, a Tri Service organisation, today has 17 State Directorates, 98 Group Headquarters and 825 NCC Units from Army, Air Force and Naval Wings.

Students from Colleges join NCC on volunteer basis as senior cadets for three years. At the culmination of Institutional and Camp Training successful cadets are awarded 'B' and 'C' Certificate.

Cadets in NCC are given training on Service subjects, Social Service & Community Development, Disaster Management, Attachment training with Army/Air Force/Navy, Sports and Adventure activities. Core values of NCC include sense of patriotic commitment, National unity, values enshrined in the Indian Constitution, a healthy life style, self-awareness and values of honesty, truthfulness, perseverance and hard work etc.

### NCC Elective Courses

NCC Courses are unique, due to the nature of their military training content and component they are normally offered to students enrolled as NCC cadets only. Institutions allotted NCC will have to offer these courses to students from their institute enrolled as cadets as per vacancy allotted to the institution by DG NCC as also to those cadets enrolled under Open Quota seats. NCC Courses are offered under PART IV Courses category.

PART IV NCC Courses:

#### SEMESTER I

NCC01: NCC Organization and National Integration

#### SEMESTER II

NCC02: Personality Development, Social Service and Community Development

#### SEMESTER III

NCC03: Leadership, Adventure, Border and Coastal Areas

NCC04: National Cadet Corps CAMP I (Army/Navy/Air Force)

#### SEMESTER IV

NCC04: Armed Forces, Environmental Awareness and Disaster Management

#### SEMESTER V

NCC05: Army/Air Force/Navy Special Subject– Service Knowledge 1

NCC06: National Cadet Corps CAMP II (Army/Navy/Air Force)

#### SEMESTER VI

NCC06: Army/Air Force/Navy Special Subject– Service Knowledge 2

**BHARATHIAR UNIVERSITY: COIMBATORE 641 046**

**B.A. / B. Sc. / B.Com. / B.C.A. etc., Course Title (CBCS PATTERN)**

**(For the students admitted from the academic year 2021-2022 and onwards)**

**PART IV: NCC COURSES - SCHEME OF EXAMINATION**

Part	Title of the Course	Hours/ Week	Examination				Credits
			Duration in Hours	Maximum Marks			
				CIA	CEE	Total	
<b>SEMESTER I</b>							
IV	<b>NCC01:</b> NCC Organization and National Integration	3	2	50	-	50	2
<b>SEMESTER II</b>							
IV	<b>NCC02:</b> Personality Development, Social Service And Community Development	3	2	50	-	50	2
<b>SEMESTER III</b>							
IV	<b>NCC03:</b> Leadership, Adventure, Border and Coastal Areas	3	2	50	-	50	2
IV	<b>NCCCAMP01:</b> National Cadet Corps CAMP I (Army/Navy/Air Force)		3	100	-	100	5
<b>SEMESTER IV</b>							
IV	<b>NCC04:</b> Armed Forces, Environmental Awareness And Disaster Management	3	2	50	-	50	2
<b>SEMESTER V</b>							
IV	<b>NCC05:</b> Army/Air Force/Navy Special Subject– Service Knowledge 1	3	2	50	-	50	2
IV	<b>NCCCAMP02:</b> National Cadet Corps CAMP II (Army/Navy/Air Force)		3	100	-	100	5
<b>SEMESTER VI</b>							
IV	<b>NCC06:</b> Army/Air Force/Navy Special Subject– Service Knowledge 2	6	3	100	-	100	4

**No University Examinations. Only Continuous Internal Assessment (CIA).**

**BHARATHIAR UNIVERSITY: COIMBATORE 641 046**

**B.A. / B. Sc. / B.Com. / B.C.A. etc., Course Title (CBCS PATTERN)**

**(For the students admitted from the academic year 2021-2022 and onwards)**

**PART IV: NCC COURSES - SCHEME OF EXAMINATION**

Part	Title of the Course	Hours / Week	Examination				Credits
			Duration in Hours	Maximum Marks			
				CIA	CEE	Total	
<b>SEMESTER III</b>							
IV	<b>NCCCAMP01:</b> National Cadet Corps CAMP I		3	100	-	100	5
<b>SEMESTER V</b>							
IV	<b>NCCCAMP02:</b> National Cadet Corps CAMP II		3	100	-	100	5

**No University Examinations. Only Continuous Internal Assessment (CIA).**

**BHARATHIAR UNIVERSITY: COIMBATORE 641 046**

**B.A. / B. Sc. / B.Com. / B.C.A. etc., Course Title (CBCS PATTERN)**

**(For the students admitted from the academic year 2021-2022 and onwards)**

**PART IV: NCC COURSES - SCHEME OF EVALUATION**

**1. SEMESTER-I**

<b>NCC01: NCC ORGANIZATION AND NATIONAL INTEGRATION</b>		<b>L/T</b>	<b>P</b>	<b>C</b>
		<b>1</b>	<b>2</b>	<b>2</b>
(a)	Attendance	-		<b>05 Marks</b>
(b)	Written Test (T+P)	-		<b>25 Marks</b>
(i)	Continuous Assessment Test (CAT-1) (10 Marks reduced to 5)			
(ii)	Continuous Assessment Test (CAT-2) (10 Marks reduced to 5)			
(iii)	Final Assessment Test(FAT) (30 Marks reduced to 15)			
(c)	Presentation/ Group Discussion	-		<b>05 Marks</b>
(d)	Social Service / Outdoor Activities	-		<b>05 Marks</b>
(e)	Practical Test Including Social Service (Unit 1 to 5)	-		<b>10 Marks</b>
	<b>Total</b>	-		<b>50 Marks</b>

**2. SEMESTER-II**

<b>NCC02: PERSONALITY DEVELOPMENT, SOCIAL SERVICE AND COMMUNITY DEVELOPMENT</b>		<b>L/T</b>	<b>P</b>	<b>C</b>
		<b>1</b>	<b>2</b>	<b>2</b>
(a)	Attendance	-		<b>05 Marks</b>

(b)	Written Test (T+P)	-	<b>25 Marks</b>
(i)	Continuous Assessment Test (CAT-1) (10 Marks reduced to 5)		
(ii)	Continuous Assessment Test (CAT-2) (10 Marks reduced to 5)		
(iii)	Final Assessment Test(FAT) (30 Marks reduced to 15)		
(c)	Presentation / Group Discussion	-	<b>05 Marks</b>
(d)	Social Service / Outdoor Activities	-	<b>05 Marks</b>
(e)	Practical Test Including Social Service (Unit 1 to 5)	-	<b>10 Marks</b>
	<b>Total</b>	-	<b>50 Marks</b>

3. **SEMESTER-III**

**NCC03:LEADERSHIP, ADVENTURE, BORDER AND COASTAL**

**AREAS**

**L/T P C**  
**1 2 2**

(a)	Attendance		<b>05 Marks</b>
(b)	Written Test (T+P)	-	<b>25 Marks</b>
(i)	Continuous Assessment Test (CAT-1) (10 Marks reduced to 5)		
(ii)	Continuous Assessment Test (CAT-2) (10 Marks reduced to 5)		
(iii)	Final Assessment Test(FAT) (30 Marks reduced to 15)		
(c)	Group Discussion / Public Speaking (Unit-2)	-	<b>05 Marks</b>
(d)	Report Submission on Disaster Management	-	<b>05 Marks</b>
(e)	Practical Test Including Social Service & Physical / Mental Efficiency Test	-	<b>10 Marks</b>
	<b>Total</b>	-	<b>50 Marks</b>

4. **SEMESTER-IV**

**NCC04:ARMED FORCES, ENVIRONMENTAL AWARENESS  
AND DISASTER MANAGEMENT** **L/T P C**  
**1 2 2**

(a)	Attendance	-	<b>05 Marks</b>
(b)	Written Test (T+P)	-	<b>25 Marks</b>
(i)	Continuous Assessment Test (CAT-1) (10 Marks reduced to 5)		
(ii)	Continuous Assessment Test (CAT-2) (10 Marks reduced to 5)		
(iii)	Final Assessment Test(FAT) (30 Marks reduced to 15)		
(c)	Case Study (Famous personality) Demonstration / Report writing	-	<b>05 Marks</b>
(d)	Quiz (Unit 4 & 5)	-	<b>05 Marks</b>
(e)	Practical Test (PT,Drill,WT,MR,FCBC,SSCD& H&H)	-	<b>10 Marks</b>
<b>Total</b>			<b>50 Marks</b>

5. **SEMESTER-V**

**NCC05:ARMY/AIR FORCE/NAVY SPECIAL SUBJECT– SERVICE  
KNOWLEDGE 1, NATIONAL CADET CORPS CAMP II** **L/T P C**  
**1 2 2**

(a)	Attendance	-	<b>05 Marks</b>
(b)	Written Test (T+P)	-	<b>25 Marks</b>
(i)	Continuous Assessment Test (CAT-1) (10 Marks reduced to 5)		
(ii)	Continuous Assessment Test (CAT-2) (10 Marks reduced to 5)		

(iii)	Final Assessment Test(FAT)		
	(30 Marks reduced to 15)		
(c)	Case Study Presentation	-	<b>05</b> Marks
(d)	Lecture & Group Discussion	-	<b>05</b> Marks
(e)	Practical Test (Drill,WT,MR,FCBC,SSCD,H&H& OT)	-	<b>10</b> Marks
	<b>Total</b>	-	<b>50</b> Marks

6. **SEMESTER-VI**

**NCC06:ARMY/AIR FORCE/NAVY SPECIAL SUBJECT– SERVICE**

**L/T P C**

**KNOWLEDGE 2**

**2 4 4**

(a)	Attendance	-	<b>10</b> Marks
(b)	Written Test (T+P)	-	<b>50</b> Marks
	(i) Continuous Assessment Test (CAT-1)		
	(20 Marks reduced to 10)		
	(ii) Continuous Assessment Test (CAT-2)		
	(20 Marks reduced to 10)		
	(iii) Final Assessment Test(FAT)		
	(60 Marks reduced to 30)		
(c)	Presentation / Seminar (Military History)	-	<b>10</b> Marks
(d)	Practical Test (Drill,WT,MR,FCBC,InfWpn&Comn)	-	<b>20</b> Marks
	<b>Total</b>	-	<b>100</b> Marks

**BHARATHIAR UNIVERSITY: COIMBATORE 641 046**

**B.A. / B. Sc. / B.Com. / B.C.A. etc., Course Title (CBCS PATTERN)**

**(For the students admitted from the academic year 2021-2022 and onwards)**

**SCHEME OF EVALUATION**

**1. SEMESTER-III:**

**NCC CAMP 01: NATIONAL CADET CORPS CAMP – I (ARMY/NAVY/ AIR FORCE)**

**Credit – 5**

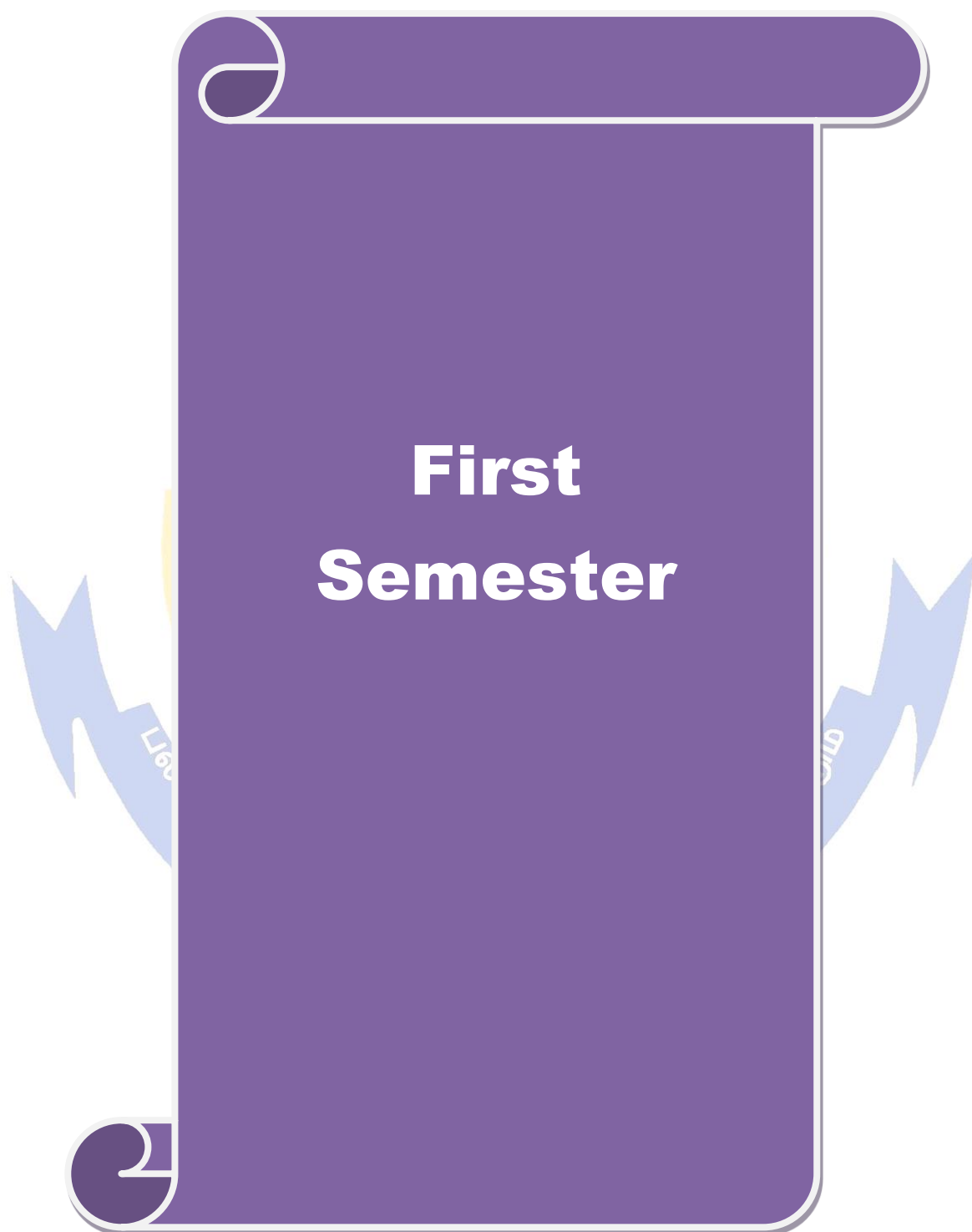
<b>S No</b>	<b>TYPE OF ASSESSMENT AND PARTICIPATORY ACTIVITIES</b>	<b>MARKS</b>
(a)	Written Test	- 25 Marks
(b)	Practical Test	- 10 Marks
<b>PARTICIPATORY ACTIVITIES</b>		
(c)	Cultural Activities	- 10 Marks
(d)	Games	- 10 Marks
(e)	Physical / Mental Efficiency	- 10 Marks
(f)	Firing	- 10 Marks
(g)	Lecture / Group Discussion	- 10 Marks
(h)	SSCD	- 15 Marks
	<b>Total</b>	- <b>100 Marks</b>

2. **SEMESTER-V**

**NCC CAMP 02:NATIONAL CADET CORPS CAMP – II (ARMY/NAVY/ AIR FORCE)**

**Credit – 5**

<b>S No</b>	<b>TYPE OF ASSESSMENT AND PARTICIPATORY ACTIVITIES</b>	<b>MARKS</b>
(a)	Written Test	- <b>25 Marks</b>
(b)	Practical Test	- <b>10 Marks</b>
<b>PARTICIPATORY ACTIVITIES</b>		
(c)	Cultural Activities	- <b>10 Marks</b>
(d)	Games	- <b>10 Marks</b>
(e)	Physical / Mental Efficiency	- <b>10 Marks</b>
(f)	Firing	- <b>10 Marks</b>
(g)	Lecture / Group Discussion	- <b>10 Marks</b>
(h)	SSCD	- <b>15 Marks</b>
	<b>Total</b>	- <b>100 Marks</b>



Course code	NCC01	PART IV NATIONAL CADET CORPS	L	T	P	C
PART IV NCC	NCC ORGANIZATION AND NATIONAL INTEGRATION		1		2	2
<b>Course Objectives:</b>						
Cadets will be able to: -						
(a) Know about the history of NCC, its organization, and incentives of NCC for their career prospects.						
(b) Acquire knowledge of duties and conduct of ncc cadets.						
(c) Understand about different NCC camps and their conducts.						
(d) Understand the concept of national integration and its importance.						
(e) Understand the concept of self-awareness and emotional intelligence.						
(f) Understand the concept of critical & creative thinking.						
(g) Understand the process of decision making & problem solving.						
(h) Understand the concept of team and its functioning.						
(i) Understand the concept and importance of Social service.						
<b>Expected Course Outcomes:</b>						
On the successful completion of the course, the cadets will be able to:						
1	Imbibe the conduct of NCC cadets.					K2
2	Respect the diversity of different Indian culture.					K3
3	Practice togetherness and empathy in all walks of their life.					K4
4	Do their own self analysis and will workout to overcome their weakness for better performance in all aspects of life.					K4
5	Understand creative thinking & its components.					K2
6	Think divergently and will try to break functional fixedness.					K6
7	Make a team and will work together for achieving the common goals.					K4
8	Do the social services on different occasions.					K3
K1-Remember; K2-Understand; K3-Apply; K4-Analyze; K5-Evaluate; K6-Create						
<b>Course Content Part(I) Theory</b>						
<b>Unit: 1</b>	<b>NCC General (N)</b>				<b>06 hours</b>	
Introduction of NCC, History, Aims, Objective of NCC & NCC as Organization, Incentives of NCC, Duties of NCC Cadet. NCC Camps: Types & Conduct.						
<b>Unit: 2</b>	<b>National Integration &amp; Awareness (NI)</b>				<b>04 hours</b>	
National Integration: Importance & Necessity, Factors Affecting National Integration, Unity in Diversity & Role of NCC in Nation Building, Threats to National Security.						
<b>Unit: 3</b>	<b>Personality Development</b>				<b>03 hours</b>	
Intra & Interpersonal skills - Self-Awareness & Analysis, Empathy, Critical & creative thinking, Decision making and problem solving.						
<b>Unit: 4</b>	<b>Social Service and Community Development</b>				<b>02 hours</b>	
Basics of social service and its need, Types of social service activities, Objectives of rural development						

programs and its importance, NGO's and their contribution in social welfare, contribution of youth and NCC in Social welfare.

**Course Content Part(II) Practical**

**Course Objectives :**

Cadets will be able to: -

- (a) Understand that drill as the foundation for discipline and to command a group for common goal.
- (b) Appreciate grace and dignity in the performance of foot drill.
- (c) Understand the importance of a weapon its detailed safety precautions necessary for prevention of accidents.
- (d) Develop awareness about different types of terrain and how it is used in battle craft.
- (e) Develop the concept of various markings on the map and how they are co-related to the ground features.
- (f) Understand the various social issues and their impact on social life.
- (g) Develop the sense of self-less social service for better social & community life.

**Expected Course Outcomes:**

On the successful completion of the course, the cadets will be able to:

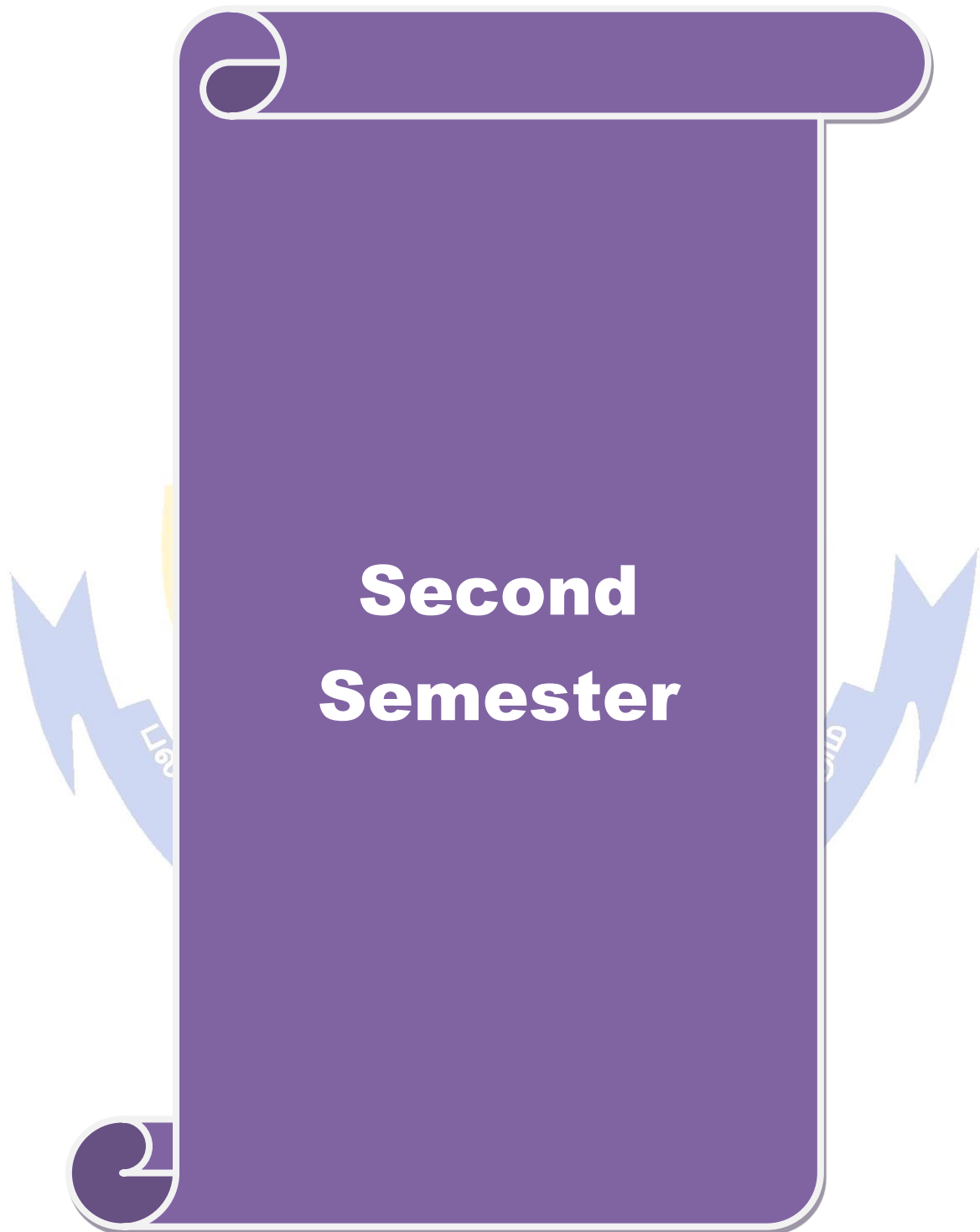
1	Perform foot drill and follow the different word of command.	K3
2	Fire a weapon effectively with fair degree of marksmanship.	K5
3	Undertake point to point navigation and take part in route marches by day and night.	K4
4	Perform the social services on various occasions for better community & social life.	K3

K1-Remember; K2-Understand; K3-Apply; K4-Analyze; K5-Evaluate; K6-Create

**Course Content Part(II) Practical**

<b>Unit: 1</b>	<b>Drill</b>	<b>12 hours</b>
Foot Drill- Drill ki Aam Hidayaten, Word ki Command, Savdhan, Vishram, Aram Se, Murdna, Kadvar Sizing, Teen Line Banana, Khuli Line, Nikat Line, Khade Khade Salute Karna Parade Par, Visarjan, Line Tod, Tej Chal, Tham aur Dhire Chal, Tham.		
<b>Unit: 2</b>	<b>Weapon Training (WT)</b>	<b>05 hours</b>
Introduction & Characteristics of .22 rifle, Handling of .22 rifle.		
<b>Unit: 3</b>	<b>Map Reading (MR)</b>	<b>03 hours</b>
Definition of Map, Conventional signs, Scale and Grid System, Topographical forms and technical terms, Relief, Contours and gradients, Cardinal points and types of North, Magnetic Variation and Grid Convergence.		
<b>Unit: 4</b>	<b>Field Craft &amp; Battle Craft (FC &amp; BC)</b>	<b>03 hours</b>
Introduction of Field Craft & Battle craft, Judging Distance, Method of Judging Distance.		

<b>Unit: 5</b>	<b>Social Service and Community Development (SSCD)</b>	<b>07 hours</b>
Cadets will participate in various activities throughout the semester e.g., Blood donation Camp, Swachhata Abhiyan, Constitution Day, Jan Jeevan Hariyali Abhiyan, Beti Bachao Beti Padhao etc.		
	<b>Total hours</b>	<b>45 hours</b>
<b>Text Book(s)</b>		
1. National Cadet Corps : Senior Division and Senior Wing: Cadets Hand Book (Army) : Common Subjects: 2019		
2. National Cadet Corps : Senior Division and Senior Wing: Cadets Hand Book (Army) : Specialised Subject: 2019		
3. National Cadet Corps : Senior Division and Senior Wing: Cadets Hand Book (Air Force) : Specialised Subject: 2019		
4. National Cadet Corps : Senior Division and Senior Wing: Cadets Hand Book (Navy) : Specialised Subject: 2019		
<b>Reference Books</b>		
<b>Related Online Contents</b>		
<b>Director General NCC Website: <a href="https://indiancc.nic.in/ncc-general-elective-subject-course-design/">https://indiancc.nic.in/ncc-general-elective-subject-course-design/</a></b>		
Course Designed by: Policy : DG NCC, NCC Headquarters, New Delhi. Functionaries at Coimbatore NCC: Col LCS Naidu, Group Commander, NCC Gp Headquarters, Coimbatore. Lt Col JPS Chauhan, Commanding Officer, 4 (TN) Bn NCC, Coimbatore. Maj MD Kannan, Associate NCC Officer (ANO), HOD, Physics, PSG College of Technology, Coimbatore.		



Course code	NCC02	PART IV NATIONAL CADET CORPS	L	T	P	C
PART IV NCC		PERSONALITY DEVELOPMENT, SOCIAL SERVICE AND COMMUNITY DEVELOPMENT	1		2	2
Course Objectives:						
Cadets will be able to: -						
(a) Understand the thinking & reasoning process. (b) Understand the process to cope with Stress & emotions. (c) Understand the importance of improving communication skills. (d) Identify the leadership traits. (e) Admire the qualities of great leaders. (f) Know about different legal provisions for children & women safety and protection. (g) Understand the various rules & measures to be taken to ensure Road/Rail safety. (h) Understand & spread awareness about latest Government initiatives for welfare of citizens and contribute towards Nation building. (i) Understand concepts of cyber and mobile security.						
Expected Course Outcomes:						
On the successful completion of the course, the cadets will be able to:						
1	Define thinking, reasoning, critical thinking and creative thinking					K2
2	To think critically about different life related issues.					K4
3	Think divergently and will try to break functional fixedness					K6
4	Creatively in their real-life problems.					K6
5	Understand the organizations related to disaster management and their functioning.					K2
6	Appreciate the role of NCC cadets in disaster management.					K3
Course Content Part(I) Theory						
<b>Unit: 1</b>	<b>Personality Development</b>					<b>05 hours</b>
(i) Thinking- Meaning and Concept of thinking, Reasoning, Process of thinking. (ii) Critical Thinking- Meaning & concept of critical thinking, Features of critical thinking, Process of critical thinking. (iii) Creative thinking- Meaning & concept of creative thinking, Features of creative thinking, Process of creative thinking, levels of Creativity, Characteristics of creative person.						
<b>Unit: 2</b>	<b>Leadership Development</b>					<b>05 hours</b>
(i) Leadership capsule. (ii) Important Leadership traits, Indicators of leadership and evaluation. (iii) Motivation- Meaning & concept, Types of motivation. Factors affecting motivation. (iv) Ethics and Honor codes.						
<b>Unit: 3</b>	<b>Social Service and Community Development</b>					<b>05 hours</b>
(i) Protection of Children & Women Safety. (ii) Road/Rail Safety. (iii) New Government Initiatives. (iv) Cyber and mobile Security Awareness.						

Course Content Part(II) Practical	
<b>Course Objectives :</b>	
Cadets will be able to: -	
<p>(a) Understand that drill as the foundation for discipline and to command a group for common goal.</p> <p>(b) Appreciate grace and dignity in the performance of foot drill.</p> <p>(c) Understand the importance of a weapon its detailed safety precautions necessary for prevention of accidents.</p> <p>(d) Use terrain effectively for concealment, camouflage, indicate landmarks and give field signals.</p>	
<b>Expected Course Outcomes:</b>	
On the successful completion of the course, the cadets will be able to:	
1	Perform foot drill gracefully. K3
2	Give and follow the different word of command. K3
3	Fire a weapon effectively with fair degree of marksmanship. K4
4	Use of bearing and service protractor and locate the places and objects on the ground. K4
5	Do the social service and feel connected with social problems. K5
Course Content Part(II) Practical	
<b>Unit: 1</b>	<b>Drill</b> <b>12 hours</b>
<p>(i) Foot Drill Dahine, Baen, Aageaur Piche Kadam Lena.</p> <p>(ii) Tej Chal se Murdna, Tej Chal se Salute Karna, Tej Kadam Taal aur Tham, Tej Kadam Taal se Kadam Badalna.</p> <p>(iii) Teeno Teen se Ek File aur ek file se Teeno Teen Banana</p>	
<b>Unit: 2</b>	<b>Weapon Training (WT)</b> <b>04 hours</b>
<p>(i) Range procedure &amp; Theory of group.</p> <p>(ii) Short Range firing.</p>	
<b>Unit: 3</b>	<b>Map Reading (MR)</b> <b>05 hours</b>
<p>(i) Protractor Bearing and its conversion methods.</p> <p>(ii) Service protractor and its uses</p> <p>(iii) Prismatic compass and its uses and GPS.</p> <p>(iv) Navigation by compass and GPS.</p>	
<b>Unit: 4</b>	<b>Field Craft &amp; Battle Craft (FC &amp; BC)</b> <b>04 hours</b>
<p>(i) Indications of landmarks and Targets.</p> <p>(ii) Intro, Definitions, Types of Ground, Indication of Landmarks, Methods of iden of targets, difficult targets.</p>	
<b>Unit: 5</b>	<b>Social Service and Community Development (SSCD)</b> <b>05 hours</b>
Cadets will participate in various activities throughout the semester e.g., Blood donation Camp, Swachhata Abhiyan, Constitution Day, Jan Jeevan Hariyali Abhiyan, Beti Bachao Beti Padhao etc. as per the requirement and similar announced days- National and state level.	
	Total hours 45 hours
<b>Text Book(s)</b>	
National Cadet Corps : Senior Division and Senior Wing: Cadets Hand Book (Army) : Common Subjects: 2019	
National Cadet Corps : Senior Division and Senior Wing: Cadets Hand Book (Army) : Specialised Subject: 2019	

National Cadet Corps : Senior Division and Senior Wing: Cadets Hand Book (Air Force) : Specialised  
Subject: 2019

National Cadet Corps : Senior Division and Senior Wing: Cadets Hand Book (Navy) : Specialised  
Subject: 2019

**Reference Books**

**Related Online Contents**

Director General NCC Website: <https://indiancc.nic.in/ncc-general-elective-subject-course-design/>

Course Designed by:

Policy : DG NCC, NCC Headquarters, New Delhi.

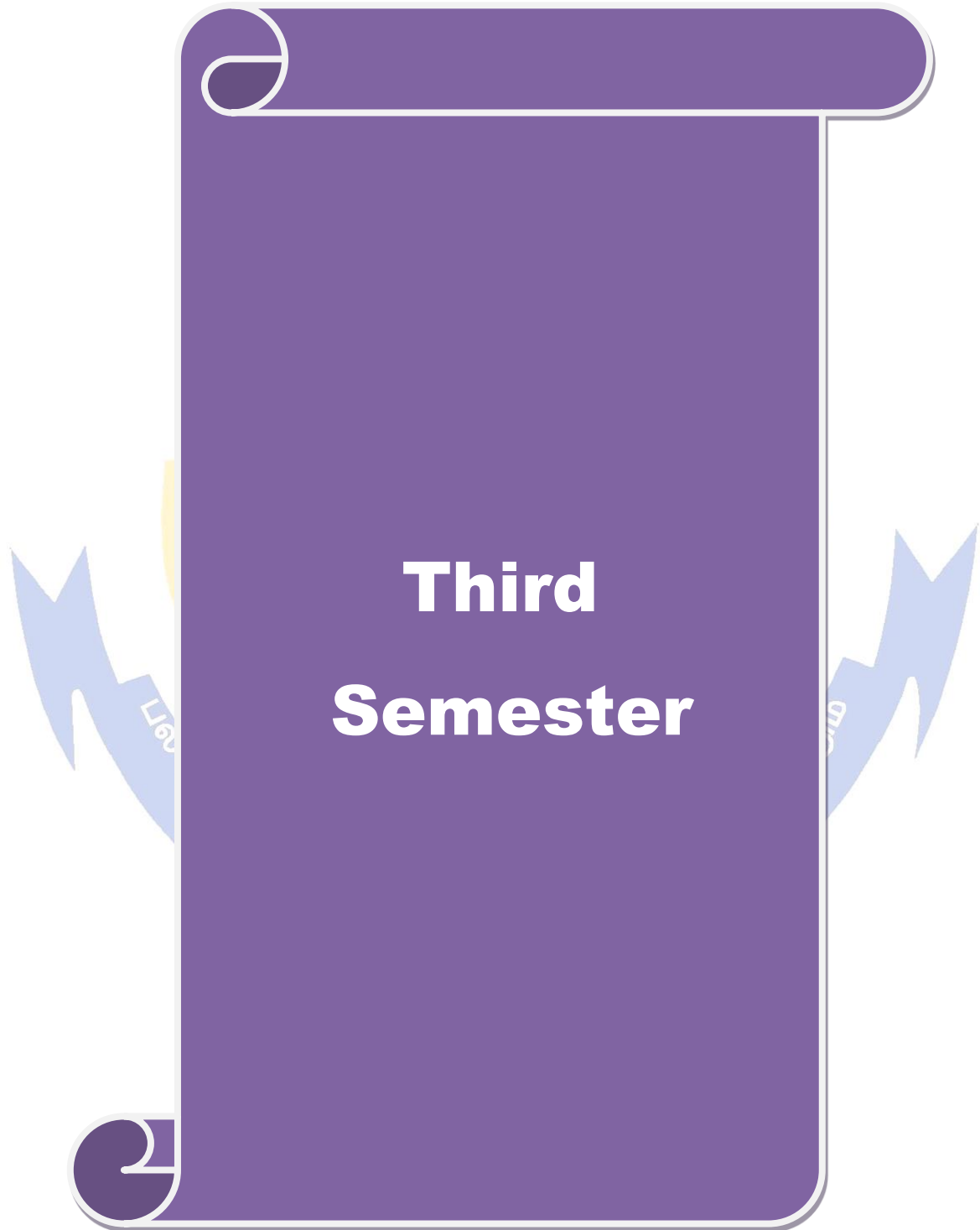
Functionaries at Coimbatore NCC:

Col LCS Naidu, Group Commander, NCC Gp Headquarters, Coimbatore.

Lt Col JPS Chauhan, Commanding Officer, 4 (TN) Bn NCC, Coimbatore.

Maj MD Kannan, Associate NCC Officer (ANO), HOD, Physics, PSG College of Technology,  
Coimbatore.





Course code	NCC03	PART IV NATIONAL CADET CORPS	L	T	P	C
PART IV NCC		LEADERSHIP, ADVENTURE, BORDER AND COASTAL AREAS	1		2	2
<b>Course Objectives:</b>						
Cadets will be able to: -						
(a) Understand the life history and leadership qualities of great leaders, sportspersons & entrepreneurs.						
(b) Understand the various aspects of types of mindset						
(c) Understand public speaking methods & qualities						
(d) Understand the organizations related to disaster management and their functioning						
(e) Understand the role of NCC cadets in disaster management						
(f) Understand the various types of adventure activities.						
(g) Understand the History, Geography & Topography of Border/ Coastal Areas.						
<b>Expected Course Outcomes:</b>						
On the successful completion of the course, the cadets will be able to:						
1	Admire and get inspired from the accomplishments of leaders from various walks of life.					K4
2	Develop public speaking skills.					K3
3	Understand the importance of positive mindset and optimistic attitude in life.					K2
4	Appreciate the need & requirement for disaster management and his role in disaster management activities					K4
5	Know the history & geographical peculiarity of our borders & coastal regions					K2
<b>Course Content Part(I) Theory</b>						
Unit: 1	Personality Development				05 hours	
	(i) Group Discussions - Change your Mindset					
	(ii) Public Speaking.					
Unit: 2	Leadership Development				04 hours	
	Case Studies – APJ Abdul Kalam, Deepa Malik, Maharana Pratap, N Narayan					
	Murthy					
Unit: 3	Disaster management				03 hours	
	(i) Disaster Management Capsule.					
	(ii) Organisation.					
	(iii) Types of Disasters.					
	(iv) Essential Services.					
	(v) Assistance.					
	(vi) Civil Defense Organisation.					
Unit: 4	Adventure				01 hour	
	Adventure activities.					
Unit: 5	Border & Coastal Areas				02 hours	
	History, Geography & Topography of Border/ Coastal Areas.					
<b>Course Content Part(II) Practical</b>						
<b>Course Objectives :</b>						
Cadets will be able to: -						
(a) Understand that drill as the foundation for discipline and to command a group for common goal						
(b) Appreciate grace and dignity in the performance of arm drill						
(c) Understand the concept and importance of social service						
(d) Understand the importance of a weapon its detailed safety precautions necessary for						

prevention of accidents.		
(e) Actively participate in social service and community development activities.		
Expected Course Outcomes:		
On the successful completion of the course, the cadets will be able to:		
1	Perform arm drill gracefully	K 3
2	Give and follow the different word of command.	K 3
3	Fire a weapon effectively with fair degree of marksmanship.	K
4	Different positioning for fire and aiming.	K
5	Use terrain effectively for concealment, camouflage, indicate landmarks and give field signals.	K 4
6	Observe surroundings in better way.	K 4
7	Develop the qualities of patience and confidence and become better individuals.	K
8	Will develop physical as well as mental fitness.	K
Course Content Part(II) Practical		
Unit: 1	Drill	08 hours
	(i) Arm Drill. (ii) Rifle ke saath Savdhan, Vishram aur Aram se. (iii) Rifle ke saath Parade Par aur Saj, Rifle ke saath Visarjan, Line Tod. (iv) Bhumi Shastra aur Uthao Shastra, Bagal Shastra aur Baju Shastra.	
Unit: 2	Weapon Training (WT)	04 hours
	Short Range firing.	
Unit: 3	Map Reading (MR)	04 hours
	(i) Setting of Map. (ii) Findings North and Own Position.	
Unit: 4	Field Craft & Battle Craft (FC & BC)	04 hours
	(i) Observation. (ii) Camouflage. (iii) Concealment.	
Unit: 5	Social Service and Community Development (SSCD)	05 hours
Cadets will participate in various activities throughout the semester e.g., Blood donation Camp, Swachhata Abhiyan, Constitution Day, Jan Jeevan Hariyali Abhiyan, Beti Bachao Beti Padhao etc as per the requirement and similar announced days- National and State level.		
Unit: 6	Obstacle Training	05 hours
	(i) Obstacle training - Introduction, Safety-measures, Benefits. (ii) Obstacle Course- Straight balance, Clear Jump, Gate Vault, Zig- Zag Balance, High Wall.	
	Total hours	45 hours
Text Book(s)		
National Cadet Corps : Senior Division and Senior Wing: Cadets Hand Book (Army) : Common		

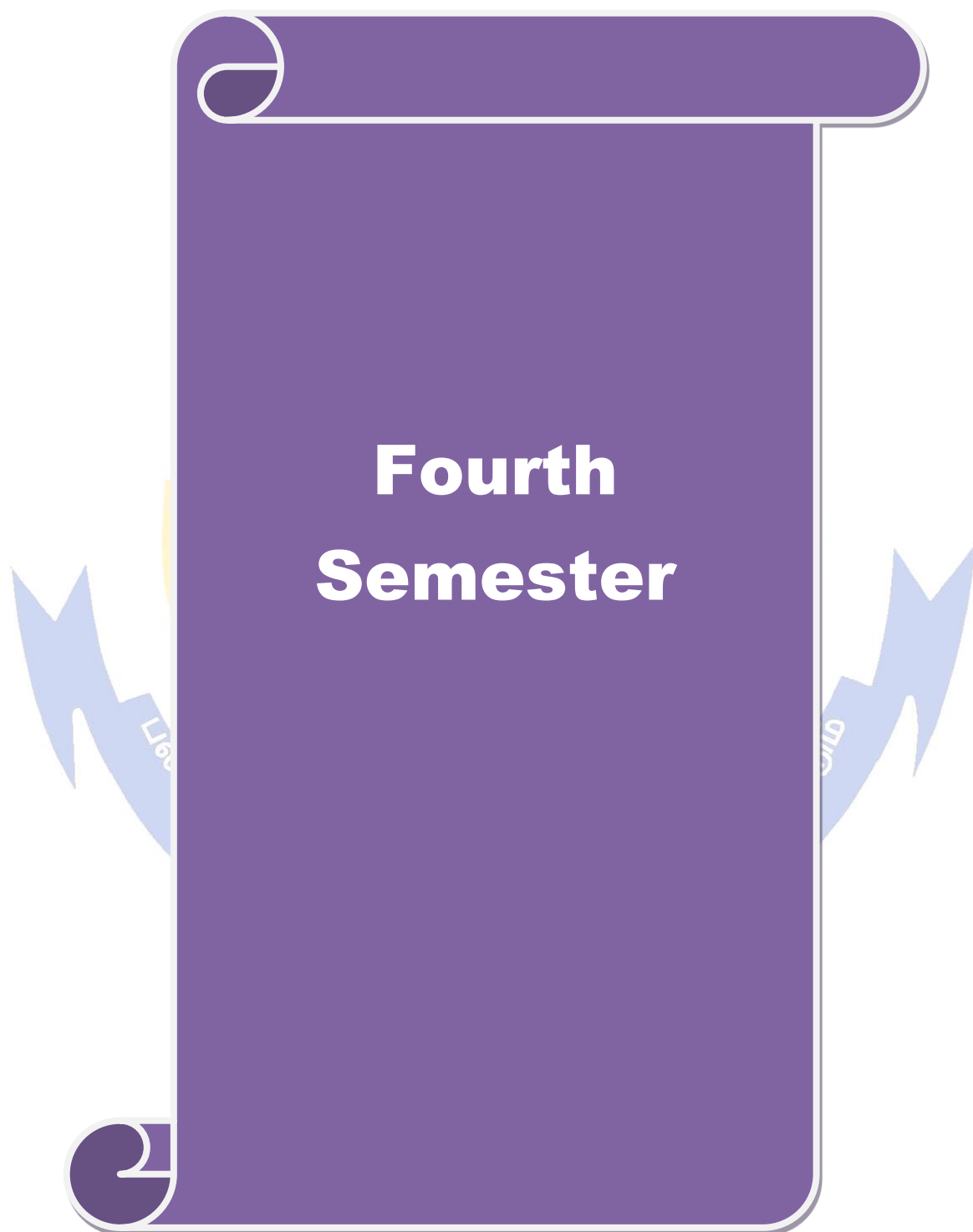
Subjects: 2019
National Cadet Corps : Senior Division and Senior Wing: Cadets Hand Book (Army) : Specialised Subject: 2019
National Cadet Corps : Senior Division and Senior Wing: Cadets Hand Book (Air Force) : Specialised Subject: 2019
National Cadet Corps : Senior Division and Senior Wing: Cadets Hand Book (Navy) : Specialised Subject: 2019
Reference Books
Related Online Contents
Director General NCC Website: <a href="https://indiancc.nic.in/ncc-general-elective-subject-course-design/">https://indiancc.nic.in/ncc-general-elective-subject-course-design/</a>
Course Designed by: Policy : DG NCC, NCC Headquarters, New Delhi. Functionaries at Coimbatore NCC: Col LCS Naidu, Group Commander, NCC Gp Headquarters, Coimbatore. Lt Col JPS Chauhan, Commanding Officer, 4 (TN) Bn NCC, Coimbatore. Maj MD Kannan, Associate NCC Officer (ANO), HOD, Physics, PSG College of Technology, Coimbatore.



Course code	NCC03	PART IV NATIONAL CADET CORPS	L	T	P	C
PART IV NCC		NATIONAL CADET CORPS CAMP –I	1		2	2
Course Objectives:						
Cadets will be able to: -						
(a) Acquire knowledge about the various aspects of personality development.						
(b) Understand the concept of leadership traits, moral values and character traits.						
(c) Develop awareness about the various types of natural disasters.						
(d) Understand the concepts of national integration and its importance.						
(e) Understand the importance of hygiene and sanitation and common first aid procedures.						
(f) Acquire awareness about various types of weapon systems in the Armed Forces.						
Expected Course Outcomes:						
On the successful completion of the course, the cadets will be able to:						
1	Acquire adequate skill sets to overcome their weakness and reshape their personality.					K5
2	Imbibe good moral values and character traits in their daily life.					K5
3	Become useful members of the society and form part of disaster response team, if need arises.					K5
4	Respect the diversity of different Indian cultures.					K3
5	Follow good personal hygiene practices and provide first aid in emergencies.					K5
6	Be motivated to join the armed forces.					K6
Course Content Part(I) Theory						
<b>Unit: 1</b>	<b>Personality Development</b>					<b>04 hours</b>
Introduction to Personality Development, Factors influencing/shaping personality, Time Management and Interview Skills.						
<b>Unit: 2</b>	<b>Leadership (LDR)</b>					<b>04 hours</b>
Leadership Traits, Moral Values and Character Traits.						
<b>Unit: 3</b>	<b>Disaster Management (DM)</b>					<b>04 hours</b>
Assistance during natural disasters, Do's and Don'ts for NCC Cadets performing Disaster Management Duties.						
<b>Unit: 4</b>	<b>National Integration and Awareness (NIA)</b>					<b>04 hours</b>
National integration Unity in diversity & role of NCC in Nation building. Threats to National security.						
<b>Unit: 5</b>	<b>Health and Hygiene (H&amp;H)</b>					<b>04 hours</b>
Hygiene and Sanitation, First Aid in Common Medical Emergencies.						
<b>Unit: 6</b>	<b>Infantry Weapons (IW)</b>					<b>02 hours</b>
Characteristics of Company Support Weapons.						
<b>Unit: 7</b>	<b>Weapon Training (WT)</b>					<b>04 hours</b>
Characteristics of Point 22 Rifle and its Ammunition, Range Procedure and Safety Precautions.						
<b>Unit: 8</b>	<b>Military History (MH)</b>					<b>04 hours</b>
Guest lectures by War Veterans/decorated soldiers/veterans.						
<b>Unit: 9</b>	<b>Communication (COM)</b>					<b>04 hours</b>
Basics of communication.						
Course Content Part(II) Practical						
Course Objectives :						
Cadets will be able to: -						
(a) Understand that drill is the foundation of discipline and command a group for a common goal.						

(b) Understand the importance of a weapon its detailed safety precautions necessary for prevention of accidents. (c) Develop awareness about different types of terrain and how it is used in Battle Craft. (d) Develop the concept of various markings on the map and how they are co-related to the ground features. (e) Acquire awareness about the various types of weapon systems in the Armed Forces. (f) Understand the concept and importance of social service. (g) Understand the various nuances of Personality Development. (h) Understand the concept and importance of Physical Training in everyone's life. (i) Acquire skill sets about various games and understand the importance of team work. (j) Develop awareness about different cultures and different modes of its projection in artistic forms.		
Expected Course Outcomes:		
On the successful completion of the course, the cadets will be able to:		
1	Perform foot drill, arms drill, ceremonial drill and will be able to give out different words of command.	K5
2	Fire a weapon effectively with fair degree of marksmanship.	K5
3	Undertake point to point navigation and take part in route marches by day and night.	K4
4	Use terrain effectively for concealment, camouflage, indicate landmarks and give field signals.	K5
5	Be motivated to join the armed forces.	K6
6	Acquire adequate skill sets to overcome their weakness and enhance their personality.	K4
7	Gain adequate physical and mental endurance capabilities.	K4
8	Play team games and be able to communicate and coordinate effectively in group events or situations.	K4
9	Respect the diversity of Indian culture and develop pride by showcasing their own culture to others.	K6
Course Content Part(II) Practical		
Unit: 1	Drill	16 hours
Drill ki Aam Hidayaten aur Words of Command, Savdhan, Vishram, Aram Se aur Mudna, Khuli Line aur Nikat Line mein march, Salute Karna Parade Par, Visarjan aur Line Tod, Tej Chal, Tham aur Dhire Chal, Tham, Dahine, Baen, Aage aur Piche Kadam lena, Tejchaal se Mudna, Tejchaal se Salute karna, Tej kadambaal aur Tham, Tej Kadambaal se kadam badhana, Teenon Teen se ek file Banana aur ek file se Teenon Teen Banana, Rifle Ke Saath Saavdhan, Vishram aur Aaram se, Rifle ke saath Parade par aur saaj, Rifle Ke saath visarjan aur line tod, Bhumi Sashtira aur Uthao Sashtira, Bagal Sashtira aur Baaju Shastra.		
Unit: 2	Weapon Training (WT)	14 hours
Stripping, Assembling, Cleaning of Point 22 rifle, Sight Setting and Sight Picture of Point 22 Rifle, Loading, Cocking and Unloading, Lying Position, Holding and Aiming of Point 22 rifle, Trigger Control and Firing of Shot, Theory of Group, Short-Range Aiming and Firing, Firing Practice I to VII.		
Unit: 3	Field Craft & Battle Craft (FC & BC)	06 hours
Introduction of Field Craft & Battle craft, Judging Distance, Indication of Landmarks and Targets, Observation, Camouflage and Concealment, Field Signals, Section formations.		
Unit: 4	Map Reading (MR)	12 hours
Introduction to Map and Conventional signs, Scale and Grid System, Topographical forms and technical terms, Relief, Contours and gradients, Cardinal points and types of North, Types of Bearing and use of Service Protector, Prismatic Compass and its use, setting of a map, Finding North and own Position, Map to Ground and Ground to map, Point to Point march, Route March – I, Route March –II		
Unit: 5	Infantry Weapons (IW)	01 hour
Characteristics of Battalion Support Weapons.		
Unit: 6	Social Service and Community Development (SSCD)	04 hours
Basics of Social Service and its need, Rural Development Programme, Civic Responsibilities:		

Cadets will participate in various activities throughout the camp e.g., Blood donation Camp, Swachhata Abhiyan, Constitution Day, Jan Jeevan Hariyali Abhiyan, Beti Bachao Beti Padhao etc., Road /Rail Travel Safety.		
Unit: 7	Personality Development (PD)	06 hours
Self-Awareness, Empathy, Critical and Creative Thinking, Decision making and problem Solving, Coping with Stress and Emotions, Time Management.		
Unit: 8	Obstacle Training (OT)	02 hours
OT Practice – I:- Untimed, Cadets will be familiarized with all the obstacles in the Obstacle Course and briefed about the correct method to do them, OT Practice –II: Timed practice for all the cadets and record to be maintained.		
Unit: 9	Physical Training (PT)	09 hours
Physical Training will be carried out on each day of the camp, except on last day, in morning hours. Training has to be progressive in degree of difficulty to improve individual stamina and endurance. Training to include warming up, running, exercises to strengthen upper body, lower body and core muscles. Two period each to be devoted to route march by day and night respectively and one period will be earmarked for trekking expedition as part of Adventure Activity.		
Unit:10	Games Training (G)	09 hours
Games Training will be carried out on each day of the camp, except on last day, in evening hours. Training has to be progressive in degree of difficulty to improve individual skills, coordination, team work and desire to excel. Training to ensure that each and every boy and girl cadets participate in at least one game activity everyday.		
Unit:11	Cultural Activity (C)	09 hours
Cultural Activity will be carried out on each day of the camp, except on last day, in evening hours. Cadets have to divided in Nine Groups consisting of a mix of boy and girl cadets and preferably belonging to the same geographical area. Each group has to present the unique culture, custom, tradition, folk lore, songs, drama, paintings and cuisine during one hour allotted. There will be a prize for the best group to encourage participation and to develop pride in their unique culture. This training activity should ensure that each and every boy and girl cadet participate in at least one game activity every-day.		
Unit:12	Spare (S)	02 hours
Two periods in each camp will be earmarked as spare to cover disruptions in training activity due to weather or other administrative reasons.		
Total hours		124 hours
Text Book(s)		
National Cadet Corps : Senior Division and Senior Wing: Cadets Hand Book (Army) : Common Subjects: 2019		
National Cadet Corps : Senior Division and Senior Wing: Cadets Hand Book (Army) : Specialised Subject: 2019		
National Cadet Corps : Senior Division and Senior Wing: Cadets Hand Book (Air Force) : Specialised Subject: 2019		
National Cadet Corps : Senior Division and Senior Wing: Cadets Hand Book (Navy) : Specialised Subject: 2019		
Reference Books		
Related Online Contents		
Director General NCC Website: <a href="https://indiancc.nic.in/ncc-general-elective-subject-course-design/">https://indiancc.nic.in/ncc-general-elective-subject-course-design/</a>		
Course Designed by: Policy : DG NCC, NCC Headquarters, New Delhi. Functionaries at Coimbatore NCC: Col LCS Naidu, Group Commander, NCC Gp Headquarters, Coimbatore. Lt Col JPS Chauhan, Commanding Officer, 4 (TN) Bn NCC, Coimbatore. Maj MD Kannan, Associate NCC Officer (ANO), HOD, Physics, PSG College of Technology, Coimbatore.		



Course code	NCC04	PART IV NATIONAL CADET CORPS	L	T	P	C
PART IV NCC		ARMED FORCES, ENVIRONMENTAL AWARENESS AND DISASTER MANAGEMENT	1		2	2

**Course Objectives:**

Cadets will be able to :-

**Army**

- (a) Develop a sense of time management and social skills.
- (b) Understand the life history & leadership qualities of personalities who have contributed in Nation Building and Literature.
- (c) Understand the role of NCC cadets as 2<sup>nd</sup> line Defence in 1965 War.
- (d) Develop awareness about various types of Natural and manmade disasters.
- (e) Know about life saving tips during disasters.
- (f) acquainted about Fire Services.
- (g) Understand importance of Environmental Awareness & conservation.
- (h) Understand importance of General Awareness.
- (i) Know about Armed Forces.

**Air Force**

- (a) Develop a sense of time management and social skills.
- (b) Understand the life history & leadership qualities of personalities who have contributed in Nation Building and Literature.
- (c) Understand the role of NCC cadets as 2<sup>nd</sup> line Defence in 1965 War.
- (d) Develop awareness about various types of Natural and manmade disasters.
- (e) Know about life saving tips during disasters.
- (f) Acquainted about Fire Services.
- (g) Understand importance of Environmental Awareness & conservation.
- (h) Know about Armed Forces, modes of entry in Air Force/Civil Aviation and types of Aircraft with capability and role.

Aircraft

**Navy**

- (a) Develop a sense of time management and social skills.
- (b) Understand the life history & leadership qualities of personalities who have contributed in Nation Building and Literature.
- (c) Understand the role of NCC cadets as 2<sup>nd</sup> line Defence in 1965 War.
- (d) Develop awareness about various types of Natural and manmade disasters.
- (e) Know about life saving tips during disasters.
- (f) Acquainted about Fire Services.
- (g) Understand importance of Environmental Awareness & conservation.
- (h) Know about Armed Forces in general, Indian Navy, Indian Cost Guard and maritime security in particular.

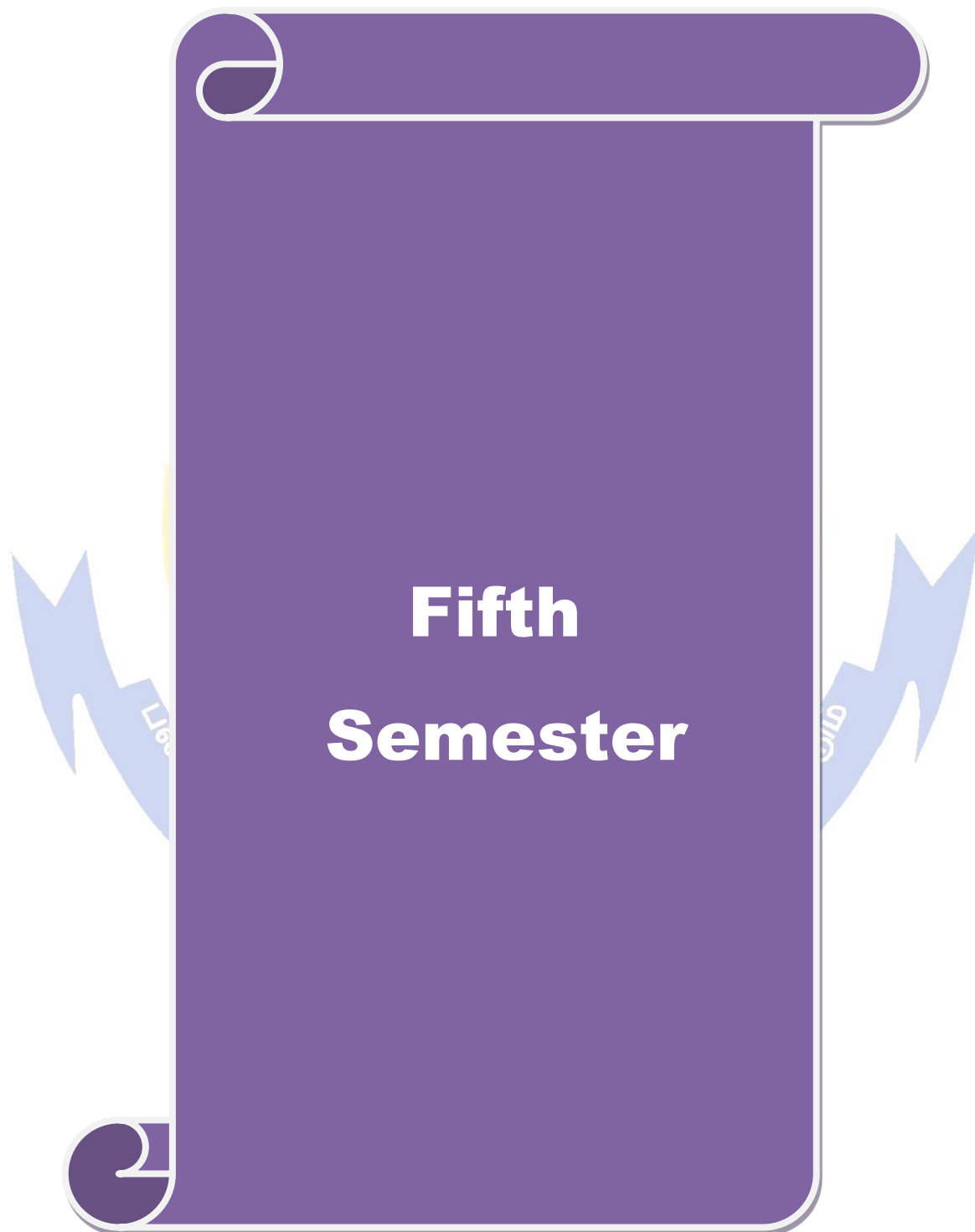
**Expected Course Outcomes:**

On the successful completion of the course, the cadets will be able to:

1	Effectively Manage time.	K3
2	Develop the qualities of social skills.	K4
3	Imbibe leadership qualities.	K4
4	Do group discussions effectively	K4
5	Be motivated to serve the nation by joining Armed forces.	K6

6	Contribute in environmental awareness and conservation activities.	K6
7	Keep abreast of current affairs & general awareness.	K4
8	Effectively contribute in managing disaster relief tasks.	K3
Course Content Part(I) Theory		
Unit: 1	Personality Development	02 hours
Group Discussions – Social Skills & Time management.		
Unit: 2	Leadership Development	03 hours
Case Studies – APJ Abdul Kalam, Deepa Malik, Maharana Pratap, N Narayan Murthy. Case Studies – Case Studies – Ratan Tata, Rabindra Nath Tagore, Role of NCC cadets		
Unit: 3	Disaster management	04 hours
(i) Initiative Trg, Organising Skills. (ii) Dos and Don'ts. (iii) Natural Disasters. (iv) Man Made Disasters. (v) Fire Services and Fire Fighting.		
Unit: 4	Environmental Awareness	02 hours
Adventure Environmental Awareness and Conservation.		
Unit: 5	General Awareness	02 hours
General Awareness		
Unit: 6		02 hours
<b>Armed Forces(Contact Hrs. 2) (Army).</b> Army, Navy, Air Force and Central Armed Police Forces. <b>General Service Knowledge (Contact Hrs. 2) (Air Force).</b> Armed Forces & IAF Capsule, Modes of Entry in IAF, Civil Aviation, Aircrafts-Types, Capabilities & Role. <b>Naval Orientation (Contact Hrs. 2) (Navy).</b> Armed Forces & Navy Capsule, EEZ Maritime Security & ICG.		
Course Content Part(II) Practical		
Course Objectives :		
Cadets will be able to: -		
(a) Understand that drill as the foundation for discipline and to command a group for common goal. (b) Understand various signals to convey messages in the army. (c) Get acquainted various section formations. (d) Understand the basics of personal and public hygiene. (e) Get acquainted with the procedure to treat the wounds and fractures during emergencies.		
Expected Course Outcomes:		
On the successful completion of the course, the cadets will be able to:		
1	Perform weapon drill gracefully.	K3
2	Give and follow the different word of command.	K4
3	Appreciate grace and dignity in the performance of foot drill.	K3
4	Apply signals in there day to day functioning.	K3
5	Provide first aid during the emergencies.	K4
6	Navigate to the given location on ground using compass and GPS.	K5
7	Practice healthy practices for the personal sanitation and hygiene.	K3

Course Content Part(II)		Practical
Unit: 1	Drill	08 hours
	(i) Arm Drill. (ii) Salami Shastra. (iii) Squad Drill with Arms.	
Unit: 2	Weapon Training (WT)	04 hours
	Short Range firing.	
Unit: 3	Map Reading (MR)	04 hours
	(i) Map to Ground. (ii) Ground to Map.	
Unit: 4	Field Craft & Battle Craft (FC & BC)	04 hours
	(i) Fire and Move Capsule. (ii) Field signal- with hand, with Weapons, Signal with Whistle. (iii) Field signals as means of giving orders. (iv) Field signals by day, Field signals by night. (v) Section Formation.	
Unit: 5	Social Service and Community Development (SSCD)	05 hours
	Cadets will participate in various activities throughout the semester e.g., Blood donation Camp, Swachhata Abhiyan, Constitution Day, Jan Jeevan Hariyali Abhiyan, Beti Bachao Beti Padhao etc as per the requirement and similar announced days- National and State level.	
Unit: 6	Health & Hygiene	05 hours
	(i) Hygiene & Sanitation (Hygiene- Personal & Camp Hygiene). (ii) First Aid in common medical emergencies. (iii) Treatment & Care of Wounds.	
	<b>Total hours</b>	<b>45 hours</b>
<b>Text Book(s)</b>		
National Cadet Corps : Senior Division and Senior Wing: Cadets Hand Book (Army) : Common Subjects: 2019		
National Cadet Corps : Senior Division and Senior Wing: Cadets Hand Book (Army) : Specialised Subject: 2019		
National Cadet Corps : Senior Division and Senior Wing: Cadets Hand Book (Air Force) : Specialised Subject: 2019		
National Cadet Corps : Senior Division and Senior Wing: Cadets Hand Book (Navy) : Specialised Subject: 2019		
<b>Reference Books</b>		
<b>Related Online Contents</b>		
Director General NCC Website: <a href="https://indiancc.nic.in/ncc-general-elective-subject-course-design/">https://indiancc.nic.in/ncc-general-elective-subject-course-design/</a>		
<p>Course Designed by:                      Policy : DG NCC, NCC Headquarters, New Delhi.                      Functionaries at Coimbatore NCC:                      Col LCS Naidu, Group Commander, NCC Gp Headquarters, Coimbatore.                      Lt Col JPS Chauhan, Commanding Officer, 4 (TN) Bn NCC, Coimbatore.                      Maj MD Kannan, Associate NCC Officer (ANO), HOD, Physics, PSG College of Technology, Coimbatore.</p>		



Course code	NCC05	PART IV NATIONAL CADET CORPS	L	T	P	C
PART IV NCC		ARMY/AIR FORCE/NAVY SPECIAL SUBJECT– SERVICE KNOWLEDGE 1	1		2	2
Course Objectives:						

Cadets will be able to: -

**Army**

- (a) Understand the concept of Team and its functioning.
- (b) Hone Public speaking skills.
- (c) Understand the security set up and management of Border/Coastal areas.
- (d) Acquire knowledge about an Infantry Battalion organisation and its weapons
- (e) Acquire knowledge about Indo-Pak Wars fought in 1965 & 1971.

**Air Force**

- (a) Understand the concept of Team and its functioning.
- (b) Hone Public speaking skills.
- (c) Understand the security set up and management of Border/Coastal areas.
- (d) Acquire knowledge on role of support services and discipline to be followed in Flying an aircraft.
- (e) Acquire knowledge about basic instruments used for flying an aircraft.
- (f) Acquire knowledge about various types of Aero-Models and methods to build them.

**Navy**

- (a) Understand the concept of Team and its functioning.
- (b) Hone Public speaking skills.
- (c) Understand the security set up and management of Border/Coastal areas.
- (d) Communicate with others and finding a positive solution with a team work.
- (e) Develop a communication skill to deliver a speech in public.
- (f) Define security structure of coastal line and involvement of Indian Navy, Coast Guard and State Marine police and modern prevailing threat from sea.
- (g) Understand various ways of entries in Indian Navy, Coast Guard and Merchant Navy and SSB procedure.
- (h) Understand the structure of communication organization and various mode of communication.
- (j) Define various terms used in Indian Navy and navigational chart reading.

Expected Course Outcomes:

On the successful completion of the course, the cadets will be able to:

1	Participate in team building exercise and value team work.	K3
2	Improve communication skills by public speaking activities.	K4
3	Understand the security mechanism and management of Border/Coastal areas.	K4
4	Get motivated to join armed forces.	K6

Course Content Part(I) Theory

Unit: 1	Personality Development	06 hours
(i)	Group Discussions –Team work.	
(ii)	Public speaking.	

Unit: 2	Border & Coastal Areas	02 hours
Security Setup and Border/Coastal management in the area.		
Unit: 3	Disaster management	
<p><b><u>Introduction to Infantry Battalion and its Equipment(Contact Hrs. 3) (Army).</u></b> Organisation of Infantry Battalion &amp; its weapons.</p> <p><b><u>Airmanship (Contact Hrs. 1) (Air Force).</u></b> Airmanship</p> <p><b><u>Naval Orientation (Contact Hrs.3) (Navy).</u></b> Modes of Entry-In, IGC, Merchant Navy</p>		
Unit: 4		
<p><b><u>Military History (Contact Hrs. 4) (Army).</u></b> Study of Battles of Indo-Pak Wars 1965 &amp; 1971.</p> <p><b><u>Basic Flight instruments (Contact Hrs. 3) (Air Force).</u></b> Basic Flight instruments.</p> <p><b><u>Naval Communication (Contact Hrs.2) (Navy).</u></b> Introduction to Naval Communications, Semaphore.</p>		
Unit: 5		
<p><b><u>Aero Modelling (Contact Hrs. 3) (Air Force).</u></b> Aero- modeling Capsule.</p> <p><b><u>Navigation (Contact Hrs.2) (Navy).</u></b> Navigation of Ship-Basic Requirements, Chart Work.</p>		
Course Content Part(II) Practical		
Course Objectives :		
Cadets will be able to: -		
<p>(a) Understand that drill as the foundation for discipline and to command a group for common goal.</p> <p>(b) Appreciate grace and dignity in the performance of ceremonial drill.</p> <p>(c) Use the compass and GPS to locate places on the ground and map.</p>		
Expected Course Outcomes:		
On the successful completion of the course, the cadets will be able to:		
1	Perform ceremonial drill and follow the different word of command.	K6
2	Do the social service on various occasions and get connected with the community.	K5
3	Do all the asana and gain the physical& mental fitness.	K3
Course Content Part(II) Practical		
Unit: 1	Drill	03 hours
<p>(i) Ceremonial Drill.</p> <p>(ii) Guard Mounting.</p>		
Unit: 2	Field Craft & Battle Craft (FC & BC)	04 hours
<p>(i) Fire control orders.</p> <p>(ii) Types of fire control orders.</p> <p>(iii) Fire and Movement- when to use fire and movements tactics, Basic considerations, Appreciation of ground cover, Types of cover, Dead ground, Common Mistakes, Map and air photography, Selection of Fire position and fire control.</p>		
Unit: 3	Map Reading (MR)	04 hours

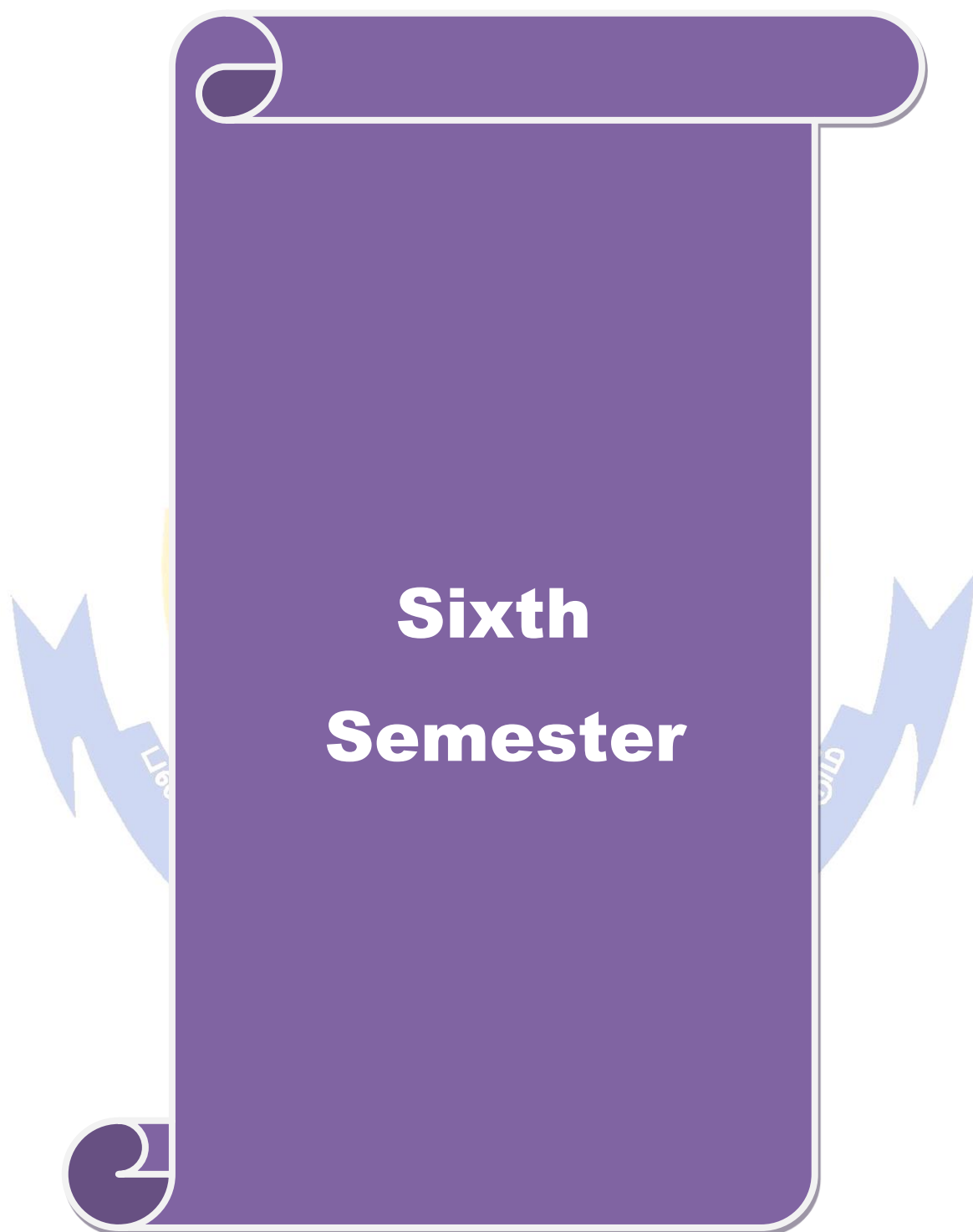
Google Maps & applications		
Unit: 4	Weapon Training (WT) Short Range firing	04 hours
Unit: 5	Social Service and Community Development (SSCD)	05 hours
Cadets will participate in various activities throughout the semester e.g., Blood donation Camp, Swachhata Abhiyan, Constitution Day, Jan Jeevan Hariyali Abhiyan, Beti Bachao Beti Padhao etc. as per the requirement and similar announced days- National and State level.		
Unit: 6	Health &Hygiene	05 hours
(i) Yoga- Introduction, Definition, Purpose, Benefits. (ii) Asanas-Padamsana, Siddhasana, Gyan Mudra, Surya Namaskar, Shavasana, Vajrasana, Dhanurasana, Chakrasana, Sarvaangasana, Halasana etc.		
Unit: 7	Obstacle Training	05 hours
(i) Obstacle training – Intro, Safety measures, Benefits. (ii) Obstacle Course- Straight balance, Clear Jump, Gate Vault, Zig- Zag Balance, High Wall etc.		
Total hours		45 hours
Text Book(s)		
National Cadet Corps : Senior Division and Senior Wing: Cadets Hand Book (Army) : Common Subjects: 2019		
National Cadet Corps : Senior Division and Senior Wing: Cadets Hand Book (Army) : Specialised Subject: 2019		
National Cadet Corps : Senior Division and Senior Wing: Cadets Hand Book (Air Force) : Specialised Subject: 2019		
National Cadet Corps : Senior Division and Senior Wing: Cadets Hand Book (Navy) : Specialised Subject: 2019		
Reference Books		
Related Online Contents		
Director General NCC Website: <a href="https://indiancc.nic.in/ncc-general-elective-subject-course-design/">https://indiancc.nic.in/ncc-general-elective-subject-course-design/</a>		
Course Designed by: Policy : DG NCC, NCC Headquarters, New Delhi. Functionaries at Coimbatore NCC: Col LCS Naidu, Group Commander, NCC Gp Headquarters, Coimbatore. Lt Col JPS Chauhan, Commanding Officer, 4 (TN) Bn NCC, Coimbatore. Maj MD Kannan, Associate NCC Officer (ANO), HOD, Physics, PSG College of Technology, Coimbatore.		

Course code	NCC05	PART IV NATIONAL CADET CORPS	L	T	P	C
PART IV NCC		NATIONAL CADET CORPS CAMP – II	1		2	2
Course Objectives:						
Cadets will be able to: -						
<p>(a) Acquire the concept self-awareness, emotional intelligence, critical and creative thinking, decision making and problem solving.</p> <p>(b) Learn about various indicators of good leadership and get an insight on principle of leadership and motivation.</p> <p>(c) Develop awareness about the various types of natural disasters and disaster management organization in our country.</p> <p>(d) Familiarize with natural resources, changing environment and understand the importance of conservation and waste management.</p> <p>(e) Value the importance of Physical and Mental health and understand how to deal with wounds of various types.</p> <p>(f) Acquire awareness about organization and role of an Infantry Battalion in the Armed Forces.</p>						
Expected Course Outcomes:						
On the successful completion of the course, the cadets will be able to:						
1	Develop a sense of responsibility, smartness in appearance and improve self-confidence, inculcate importance of empathizing with others, improve their deep-thinking ability and apply ideas and be able to face problems in a constructive manner with solutions.					K5
2	Imbibe good leadership traits and apply them in practical life and appreciate the visible outcome of leadership and motivation.					K4
3	Appreciate role of the org during emergency and become useful members of disaster response team, if need arises.					K3
4	Learn about the various natural resources, their utilization and practice method of conservation of these resources in daily life.					K3
5	Appreciate value of physical and mental health in daily life and spread awareness about treatment and care of wounds in their society.					K5
6	Be motivated to join the armed forces.					K6
Course Content Part(I) Theory						
Unit: 1	Personality Development				04 hours	
Self-Awareness, Emotional intelligence, Critical and Creative Thinking, Decision-Making and Problem Solving.						
Unit: 2	Leadership (LDR)				02 hours	
Indicators of Good Leadership, Leadership and Motivation.						
Unit: 3	Disaster Management (DM)				02 hours	
Disaster Management Organization NDMA and NDRF, Types of Disasters.						
Unit: 4	Environmental Awareness and Conservation (EAC)				02 hours	
Natural Resources, Conservation and Management, Water Conservation, Waste Management, Energy Conservation.						

Unit: 5	Health and Hygiene (H&H)	02 hours
Physical and Mental Health, Treatment and Care of Wounds.		
Unit: 6	Infantry Weapons (IW)	01 hour
Organization of Infantry Battalion.		
Unit: 7	Weapon Training (WT)	02 hours
Characteristics of Point 22 Rifle and its Ammunition, Range Procedure and Safety Precautions.		
Unit: 8	Military History (MH)	04 hours
Guest lectures by War Veterans/decorated soldiers/veterans.		
Unit: 9	Communication (COM)	04 hours
Latest trends in communication		
Course Content Part(II) Practical		
Course Objectives :		
Cadets will be able to: -		
<p>(a) Inculcate spirit of discipline and follow command as a group for a common goal.</p> <p>(b) Fire a weapon with adequate safety precautions necessary for safe firing.</p> <p>(c) Understand the lay of the ground and use it skillfully towards own objective.</p> <p>(d) Understand and use the map, satellite imagery and GPS effectively.</p> <p>(e) Identify and be well versed with the primary weapon systems used in the Armed Forces.</p> <p>(f) Lead a life of selflessness and provide service towards society development and nation building.</p> <p>(g) Understand the importance of changing mindset, team work, social skills etiquettes and manners, interview skills and importance of effective communication in daily life.</p> <p>(h) Learn the importance of physical fitness and nuances of physical training.</p> <p>(i) Inculcate esprit-de-corps through team games.</p> <p>(j) Have knowledge about cultural diversity of India and learn ways and means to adopt them.</p>		
Expected Course Outcomes:		
On the successful completion of the course, the cadets will be able to:		
1	Practice problem solving, critical thinking in real life situations.	K3
2	Practice leadership of small teams and groups under challenging environment	K3
3	Develop a positive attitude, have manners and etiquettes in social life, develop a sense of cooperation for group or team work, participate in an interview with confidence and inculcate verbal and non-verbal communication skills.	K4
4	Develop adequate physical and mental endurance capabilities.	K5
5	Fire a weapon effectively with fair degree of marksmanship.	K5
6	Undertake point to point navigation and take part in endurance marches by day and night.	K3
7	Use terrain effectively for concealment, camouflage, indicate landmarks and give field	K4
8	Be motivated to join the Armed Forces.	K6
9	Play team games and be able to communicate and coordinate effectively in group events or situations.	K4

10	Perform foot drill, arms drill, ceremonial drill and will be able to take part in ceremonial parade and events.	K5
11	Respect the diversity of ndian culture and develop pride by showcasing their own culture to others.	K5
<b>Course Content Part(II) Practical</b>		
Unit: 1	Drill	16 hours
Tejchaal se Mudna, Tejchaal se Salute karna, Tej kadambaal aur Tham, Tej Kadambaal se kadam badhana, Teenon Teen se ek file Banana aur ek file se Teenon Teen Banana, Rifle Ke Saath Saavdhan, Aaram se, Rifle ke saath Parade par aur saaj, Rifle Ke saath visarjan aur line tod, Bhumi Sashtra aur Uthao Sashtra, Bagal Sashtra aur Baaju Shashtra, Salami Sashtra, Squad Drill, Guard Mounting, Guard of Honour, Platoon / Company Drill, Word of Command and Instructional Practice.		
Unit: 2	Weapon Training (WT)	14 hours
Stripping, Assembling, Cleaning of Point 22 rifle, Sight Setting and Sight Picture of Point 22 Rifle, Loading, Cocking and Unloading, Lying Position, Holding and Aiming of Point 22 rifle, Trigger Control and Firing of Shot, Theory of Group, Short-Range Aiming and Firing, Musketry Training, Firing Practice I to VII.		
Unit: 3	Field Craft & Battle Craft (FC & BC)	06 hours
Observation, Camouflage and Concealment, Field Signals, Section formations, Fire Control Orders, Fire and Movement, Knots and Lashings.		
Unit: 4	Map Reading (MR)	12 hours
Introduction to Map and Conventional signs, Scale and Grid System, Topographical forms and technical terms, Relief, Contours and gradients, Cardinal points and types of North, Types of Bearing and use of Service Protector, Prismatic Compass and its use, setting of a map, Finding North and own Position, Map to Ground and Ground to map, Point to Point march, Endurance March – I (10 KM), Endurance March –II (20 KM).		
Unit: 5	Infantry Weapons (IW)	01 hour
Characteristics of Infantry Company support weapons and 5.56 MM INSAS Rifle.		
Unit: 6	Social Service and Community Development (SSCD)	04 hours
Contribution of Youth Towards Social Welfare: Cadets will participate in various activities throughout the camp e.g., Blood donation Camp, Swachhata Abhiyan, Constitution Day, Jan Jeevan Hariyali Abhiyan, Beti Bachao Beti Padhao etc., Social Evils: Female Feticide, Dowry, Child Abuse, Trafficking and Corruption, Drug Abuse and Drug Trafficking, Protection of Children and POCSO Act 2012.		
Unit: 7	Personality Development (PD)	06 hours
Change Your Mindset, Team Work and Team Building, Social Skills, Etiquettes and Manners, Interview Skills, Communication Skills–I, Communication Skills –II		
Unit: 8	Obstacle Training (OT)	02 hours
OT Practice – I: Untimed, Cadets will be familiarized with all the obstacles in the Obstacle Course and briefed about the correct method to do them, OT Practice –II: Timed practice for all the cadets and record to be maintained.		
Unit: 9	Physical Training (PT)	09 hours
Physical Training will be carried out on each day of the camp, except on last day, in morning hours. Training has to be progressive in degree of difficulty to improve individual stamina and endurance. Training to include warming up, running, exercises to strengthen upper body, lower body and core muscles. Two period each to be devoted to route march by day and night respectively and one period will be earmarked for trekking expedition as part of Adventure		

Activity.		
Unit:10	Games Training (G)	09 hours
Physical Training will be carried out on each day of the camp, except on last day, in evening hours. Training has to be progressive in degree of difficulty to improve individual skills, coordination, team work and desire to excel. Training to ensure that each and every boy and girl cadets participate in at least one game activity everyday		
Unit:11	Cultural Activity (C)	09 hours
Cultural Activity will be carried out on each day of the camp, except on last day, in evening hours. Cadets have to divided in Nine Groups consisting of a mix of boy and girl cadets and preferably belonging to the same geographical area. Each group has to present the unique culture, custom, tradition, folk lore, songs, drama, paintings and cuisine during one hour allotted. There will be a prize for the best group to encourage participation and to develop pride in their unique culture. This training activity should ensure that each and every boy and girl cadets participate in at least one game activity every day		
Unit:12	Spare (S)	02 hours
Two periods in each camp will be earmarked as spare to cover disruptions in training activity due to weather or other administrative reasons.		
		Total hours
		113 hours
Text Book(s)		
National Cadet Corps : Senior Division and Senior Wing: Cadets Hand Book (Army) : Common Subjects: 2019		
National Cadet Corps : Senior Division and Senior Wing: Cadets Hand Book (Army) : Specialised Subject: 2019		
National Cadet Corps : Senior Division and Senior Wing: Cadets Hand Book (Air Force) : Specialised Subject: 2019		
National Cadet Corps : Senior Division and Senior Wing: Cadets Hand Book (Navy) : Specialised Subject: 2019		
Reference Books		
Related Online Contents		
Director General NCC Website: <a href="https://indiancc.nic.in/ncc-general-elective-subject-course-design/">https://indiancc.nic.in/ncc-general-elective-subject-course-design/</a>		
Course Designed by: Policy : DG NCC, NCC Headquarters, New Delhi. Functionaries at Coimbatore NCC: Col LCS Naidu, Group Commander, NCC Gp Headquarters, Coimbatore. Lt Col JPS Chauhan, Commanding Officer, 4 (TN) Bn NCC, Coimbatore. Maj MD Kannan, Associate NCC Officer (ANO), HOD, Physics, PSG College of Technology, Coimbatore.		



Course code	NCC06	PART IV NATIONAL CADET CORPS	L	T	P	C
PART IV NCC		ARMY/AIR FORCE/NAVY SPECIAL SUBJECT – SERVICE KNOWLEDGE 2	1		2	2

**Course Objectives:**

Cadets will be able to: -

**Army**

- (a) Get acquainted about counselling process its need and importance.
- (b) Know about SSB procedure and different tasks and tests.
- (c) Know about the conduction during the interview.
- (d) Understand the security challenges & role of cadets in Border Areas.
- (e) Know about the modes of entry in Armed forces, CAPF & police.
- (f) Understand the life history & leadership qualities of great generals.
- (g) Learn about 1999 Kargil war.
- (h) Acquire the knowledge about various wars and their heroes.
- (i) Know about various components of communication process.

**Air Force**

- (a) Get acquainted about counselling process its need and importance.
- (b) Know about SSB procedure and different tasks and tests.
- (c) Know about the conduction during the interview.
- (d) Understand the security challenges & role of cadets in Border Areas.
- (e) Acquire knowledge about various Trades, Branches and Rank Structure in Indian Air Force for Airmen and Officers.
- (f) Acquire knowledge on Principles of flight, various forces acting on an aircraft.
- (g) Learn about latest acquisitions in Indian Air Force.
- (h) Acquire knowledge about Atmosphere, Meteorology and Navigation, their relation with aircraft flying.
- (j) Acquire knowledge about various types of Aero-Engines and various controls used for aircraft flying.

**Navy**

- (a) Get acquainted about counselling process its need and importance.
- (b) Know about SSB procedure and different tasks and tests.
- (c) Know about the conduction during the interview.
- (d) Understand the security challenges & role of cadets in Border Areas.
- (e) Define Anchor parts, type of rigging and parts of boats.
- (f) Understand classification of fire, Type of extinguisher, principles of fire and Damage control onboard ships.
- (g) Read the drawing of ship and type of ship models.

**Expected Course Outcomes:**

On the successful completion of the course, the cadets will be able to:

1	Get motivated to join Armed forces, police & CAPF.	K6
2	Write their CV effective and appealing.	K4
3	Face SSB interview effectively in their future.	K6
4	Understand individual responsibilities & role in meetings the security challenges on Border/Coastal areas.	K4

5	Imbibe the feeling of patriotism.	K6
6	Communicate more effectively.	K6
Course Content Part(I) Theory		
Unit: 1	Personality Development	05 hours
	(i) Career Counselling. (ii) SSB Procedure.	
Unit: 2	Border & Coastal Areas	04 hours
Security Challenges & Role of cadets in Border management.		
Unit: 3	<p><b><u>Armed Forces (Contact Hrs. 5) (Army).</u></b> Modes of Entry into Army, Police and CAPF.</p> <p><b><u>General Service Knowledge (Contact Hrs. 6) (Air Force).</u></b> Latest Trends &amp; Acquisitions.</p> <p><b><u>Naval Orientation (Contact Hrs. 5) (Navy).</u></b> Naval Expeditions &amp; Campaigns.</p>	
Unit: 4	<p><b><u>Military History (Contact Hrs. 21) (Army).</u></b></p> <p>(i) Biographies of Renowned Generals. (ii) War Heroes : Param Veer Chakra Awardees. (iii) Study of Battles of Kargil. (iv) War Movies.</p> <p><b><u>Air Campaigns (Contact Hrs. 6) (Air Force).</u></b> Air Campaigns.</p> <p><b><u>Seamanship (Contact Hrs. 17) (Navy).</u></b> Introduction to Anchor Work, Rigging Capsule, Boat Pulling Instructions, Whaler Sailing instructions.</p>	
Unit: 5	<p><b><u>Communication(Contact Hrs. 5) (Army).</u></b> Introduction to Communication &amp; Latest Trends.</p> <p><b><u>Principles of Flight (Contact Hrs. 6) (Air Force).</u></b> Principle of Flight, Forces acting on aircraft.</p> <p><b><u>Fire Fighting Flooding, Damage Control &amp; Ship Modelling (Navy) (Contact Hrs. 9).</u></b> Fire fighting, Damage Control, Ship Modelling Capsule.</p>	
Unit: 6	<p><b><u>Navigation (Contact Hrs. 7) (Air Force).</u></b> Navigation, Introduction to met and Atmosphere.</p>	
Unit: 7	<p><b><u>Aero Engines (Contact Hrs. 6) (Air Force).</u></b> Introduction and types of Aero Engine, Aircraft controls.</p>	
Course Content Part(II) Practical		
Course Objectives :		

Cadets will be able to: -		
(a) Understand that drill as the foundation for discipline and to command a group for common goal. (b) Appreciate grace and dignity in the performance of ceremonial drill. (c) Know about various knots and lashing used in soldiering. (d) Acquire awareness about the basic weapon system in use in the Armed Forces.		
Expected Course Outcomes:		
On the successful completion of the course, the cadets will be able to:		
1	Perform foot drill and follow the different word of command.	K3
2	Aiming range and figure targets.	K5
3	Use the different knots and lashing in day-to-day life for different purposes.	K3
4	Develop the feeling of altruism.	K6
Course Content Part(II) Practical		
Unit: 1	Drill	05 hours
	(I) Ceremonial Drill. (II) Guard of Honour.	
Unit: 2	Weapon Training (WT)	06 hours
	Short Range firing.	
Unit: 3	Map Reading (MR)	06 hours
	Google Maps & applications	
Unit: 4	Field Craft & Battle Craft (FC & BC)	05 hours
	Knots, Lashing and Stretchers.	
Unit: 5	Social Service and Community Development (SSCD)	08 hours
	Cadets will participate in various activities throughout the semester e.g., Blood donation Camp, Swachhata Abhiyan, Constitution Day, Jan Jeevan Hariyali Abhiyan, Beti Bachao Padhao etc as per the requirement and similar announced days- National and State level.	
Unit: 6	Introduction of Infantry Weapons & Equipment(INF)	05 hours
	Characteristics of 5.56MM INSAS Rifle, Ammunition, Fire Power, Stripping, Assembling & Cleaning Practice.	
Unit: 7	Communication	05 hours
	(i) Basic Radio Telephony (RT) Procedure. (ii) Introduction, Advantages, Disadvantages, Need for standard procedures. (iii) Types of Radio telephony communication.	
	Total hours	80 hours
Text Book(s)		
National Cadet Corps : Senior Division and Senior Wing: Cadets Hand Book (Army) : Common Subjects: 2019		
National Cadet Corps : Senior Division and Senior Wing: Cadets Hand Book (Army) : Specialised Subject: 2019		
National Cadet Corps : Senior Division and Senior Wing: Cadets Hand Book (Air Force) : Specialised Subject: 2019		
National Cadet Corps : Senior Division and Senior Wing: Cadets Hand Book (Navy) : Specialised Subject: 2019		
Reference Books		

Related Online Contents

Director General NCC Website: <https://indiancc.nic.in/ncc-general-elective-subject-course-design/>

Course Designed by:

Policy : DG NCC, NCC Headquarters, New Delhi.

Functionaries at Coimbatore NCC:

Col LCS Naidu, Group Commander, NCC Gp Headquarters, Coimbatore.

Lt Col JPS Chauhan, Commanding Officer, 4 (TN) Bn NCC, Coimbatore.

Maj MD Kannan, Associate NCC Officer (ANO), HOD, Physics, PSG College of Technology, Coimbatore.

