



# GUJARAT TECHNOLOGICAL UNIVERSITY

Program Name: Bachelor in Engineering

Level:BE

Branch: Air Force Cadets

Course / Subject Code : 1011NB01

Course / Subject Name : National Cadet Corps I

w. e. f. Academic Year:	2021-22
Semester:	1 <sup>st</sup>
Category of the Course:	Compulsory

## Theory Course Objectives:

No	Course Objectives
1	Know about the history of NCC, its organization, and incentives of NCC for their career prospects.
2	Acquire knowledge of duties and conduct of NCC cadets.
3	Understand about different NCC camps and their conducts.
4	Understand the concept of national integration and its importance.
5	Understand the concept of self-awareness and emotional intelligence.
6	Understand the concept of critical & creative thinking.
7	Understand the process of decision making & problem solving.
8	Understand the concept of team and its functioning.
9	Understand the concept and importance of Social service.

## Practical Course Objectives:

No	Course Objectives
01	Understand that drill as the foundation for discipline and to command a group for common goal.



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02	Appreciate grace and dignity in the performance of foot drill.
03	Understand the importance of a weapon its detailed safety precautions necessary for prevention of accidents.
04	Develop awareness about different types of terrain and how it is used in battle craft.
05	Develop the concept of various markings on the map and how they are co-related to the ground features.
06	Understand the various social issues and their impact on social life.
07	Develop the sense of self-less social service for better social & community life.

## Theory Course Outcome:

No	Course Outcomes
01	Imbibe the conduct of NCC cadets.
02	Respect the diversity of different Indian culture.
03	Practice togetherness and empathy in all walks of their life.
04	Do their own self analysis and will workout to overcome their weakness for better performance in all aspects of life.
05	Understand creative thinking & its components.
06	Think divergently and will try to break functional fixedness.
07	Make a team and will work together for achieving the common goals.
08	Do the social services on different occasions.

## Practical Course Outcomes:

No	Course Outcomes
01	Perform foot drill and follow the different word of command.



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02	Fire a weapon effectively with fair degree of marksmanship.
03	Undertake point to point navigation and take part in route marches by day and night.
04	Perform the social services on various occasions for better community & social life.

### Teaching and Examination Scheme:

Teaching Scheme (in Hours)			Total Credits L+T+ (PR/2)	Assessment Pattern and Marks				Total Marks
L	T	PR	C	Theory		Tutorial / Practical		
				ESE (E)	PA / CA (M)	PA/CA (I)	ESE (V)	
01	00	02	02	70	30	20	30	150

### Theory Course Content:

Unit No.	Content	No. of Hours	% of Weightage
1.	<b><u>NCC General (N)</u></b> Introduction of NCC, History, Aims, Objective of NCC & NCC as Organization, Incentives of NCC, Duties of NCC Cadet. NCC Camps: Types & Conduct.	06	40
2.	<b><u>National Integration &amp; Awareness (NI)</u></b> National Integration: Importance & Necessity, Factors Affecting National Integration, Unity in Diversity & Role of NCC in Nation Building, Threats to National Security.	04	25
3.	<b><u>Personality Development</u></b> Intra & Interpersonal skills - Self-Awareness- & Analysis, Empathy, Critical & creative thinking, Decision making and problem solving.	02	15
4.	<b><u>Social Service and Community Development</u></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	03	20



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	in social welfare, contribution of youth and NCC in Social welfare.		
	<b>Total</b>	<b>15</b>	<b>100</b>

## Practical Course Content:

Unit No.	Content	No. of Hours	% of Weightage
1.	<b>Unit 1. Drill.</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.	12	40
2.	<b>Unit 2. Weapon Training (WT).</b> Introduction & Characteristics of .22 rifle, Handling of .22 rifle.	05	17
3.	<b>Unit 3. Map Reading (MR).</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.	03	10
4.	<b>Unit 4. Field Craft &amp; Battle Craft (FC &amp; BC).</b> Introduction of Field Craft & Battle craft, Judging Distance, Method of Judging Distance.	03	10
5.	<b>Unit 5. Social Service and Community Development (SSCD).</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.	07	23
	<b>Total</b>	<b>30</b>	<b>100</b>

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