

Programme	Course Code	Course Title	L	T	P	C
B. E. / B. TECH	22NC103	Leadership Qualities and camp activities	1	0	0	1
<b>Course Objectives:</b>	1. Identify the leadership traits. 2. Understand the importance of Environmental awareness and conservation. 3. Acquiring awareness about the basic obstacles and weapon system in training 4. Use of terrain effectively for concealment, camouflage, indicate landmarks and give field signals. 5. Obtain Knowledge about Airframes, types of wings and instruments for flying.					
Unit	Description					Instructional Hours
I	<b>LEADERSHIP DEVELOPMENT</b> Introduction to Leadership - Leadership traits - indicators - motivation - ethics and Moral values - Honor code - Basics of OLQ (Officer like Qualities).					3
II	<b>ENVIRONMENTAL AWARENESS</b> Water conservation - Sources of water - water cleaning management - Pollution - Types of pollution - Energy sources - Solar, wind, Tidal - Renewable and none renewable energy conversion - waste management - Tree plantation					3
III	<b>OBSTACLES AND WEAPON TRAINING</b> Introduction to weapons - Types of rifles - SLR, .22, INSAS etc., - Firing - Types of Firing position - short range firing - Principles of firing - Holding, Aiming and Triggering. Understanding about obstacle training - Analysis and Process of obstacle training. Precautions carrying on training					3
IV	<b>FIELD CRAFT AND BATTLE CRAFT</b> Introduction to FCBC- Observation, camouflage and concealment. Judging distance - Description of ground - Recognition, description and indication of land mark and target					3
V	<b>AIR FRAMES AND INSTRUMENTS</b> Aircraft control surfaces - Types of Air frames - Types of wings and plane. Landing gear - Basic Flight Instruments - Air speed Indicator (ASI) - Altimeter -Artificial Horizon (AH).					3
<b>Course Outcome:</b>	CO1:	Imbibe leadership qualities.				
	CO2:	Contribute in environmental awareness and conservation activities.				
	CO3:	Understand and execute obstacles course and uses of weapons.				
	CO4:	Observe surroundings in a better way.				
	CO5:	Understand the design of Aircraft, control surfaces and Airspeed indicator.				

**Reference:**

1. UGC and AICTE circulated syllabus.

**Text Books :**

1. NCC cadet Guide (SD/SW) Army
2. NCC cadet Guide (SD/SW) Airforce.
3. ANOs Guide (SD/SW) by DG NCC, Ministry of Defence, New Delhi
4. Digital Forum App 1.0 & 2.0, by DG NCC DG NCC, Ministry of Defence, New Delhi