

Programme	Course Code	Course Title	L	T	P	C
B. E. / B. Tech.	22NC102	Social Services and Community Development	1	0	0	1
Course Objectives:	1. To understand the conceptual framework of social service and community development activities. 2. To create an awareness about disaster management and its prevention. 3. To understand the concept thinking and reasoning process. 4. To understand about maps and use of bearing and service protector 5. To understand the principles of flight and Aerofoil structure and ATC procedures.					
Unit	Description					Instructional Hours
I	SOCIAL SERVICES AND COMMUNITY DEVELOPMENT Basics of social services and its need - Rural development programs - Contribution of youth towards social welfare - NGOs in social services Swach bharrath Abhiyan - Social evils - Mission Indra danush - Beti bacho Beti pado - Digital awareness - Constitution day.					3
II	DISASTER MANAGEMENT Organization of Disaster management - Types of emergencies - Natural and manmade disasters - fire service and fire fighting - prevention of fire.					3
III	PERSONALITY DEVELOPMENT Introduction to personality development - public speaking Intra and Inter personal skills - self-awareness - critical thinking - Decision making and problem solving.					3
IV	MAP READING Types of maps - conventional signs - scales and Grid system - relief and contour gradient - cardinal points - Types of North - types of bearing and use of service protector - Prismatic compass and its uses - setting of map - finding North and own position.					3
V	PRINCIPLES OF FLIGHT AND AIRMANSHIP Introduction to principle of flight - Forces acting on the aircraft - Angle of attack - Angle of incidence - Newton's - law of motion - Bernauli's theorem and Venturi effect - Aerofoil - Airfield layout - ATC (Air Traffic Control) - circuit procedures - Aviation medicine.					3
Course Outcome:	CO1:	Understand the scope of social services on various occasions for better community and social life				
	CO2:	Understand the different types of disasters, causes for disasters and role of NCC cadets in disaster management activities.				
	CO3:	Understand the components of divergent and creative thinking.				
	CO4:	Apply of bearing and service protector and locate the places and objects on the ground.				
	CO5:	Understand the principles of flight and Aerofoil structure.				

Reference:

1. UGC and AICTE circulated syllabus.

Text Books:

1. NCC cadet Guide (SD/SW) Army.
2. NCC cadet Guide (SD/SW) Air force.
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.