

## **CERTIFICATE COURSE IN GIS MAPPING AND DATA ANALYSIS**

**(26<sup>th</sup> April, 2021)**

### **INTRODUCTION of UGC-NSQF SCHEME**

Government of India, taking note of the requirement for skill development among students, launched National Vocational Education Qualification Framework (NVEQF) which was later on assimilated into National Skills Qualifications Framework (NSQF). Various Sector Skill Councils (SSCs) are developing Qualification Packs (QPs), National Occupational Standards (NOSs) and assessment mechanisms in their respective domains, in alignment with the needs of the industry. UGC implemented the scheme of Community Colleges from 2013-14 in pilot mode on the initiative of the MHRD.

### **National Skills Qualifications Framework:**

The National Skills Qualifications Framework (NSQF) is a competency-based framework that organizes qualifications according to a series of knowledge, skills and aptitude. The NSQF levels, graded from one to ten, are defined in terms of learning outcomes which the learner must possess regardless of whether they are obtained through formal, non-formal or informal learning.

### **KAMALA Nehru College:**

The Job role opted by KNC under NSQF System is Survey Supervisor. Geo Information System Technique was used to impart students in the General category of the syllabus component along with Skill Component. Enrolled 9 students for Survey Supervisor (GIS) program.

### **Job Role: SURVEY SUPERVISOR(GIS).**

In GIS program below given topic were taught to gain skills necessary for sustaining a job in the company as survey supervisor.

GIS course duration was 280 Hours (6 Months) this course seats.

**Assessment done- MESPC –NSDC, Govt. of India**

<b>One Semester</b>			<b>Hours</b>
1	<b>Understanding map</b>	General Subject	14
2	<b>Concept of GIS</b>	General Subject	14
3	<b>Data Acquisition technique</b>	General Subject	17
4	<b>Surveying</b>	Core Subject	17
5	<b>Modern Surveying Technique</b>	Core Subject	36
6	<b>Operations in Surveying</b>	Core Subject	18
7	<b>Linking surveying data with spatial analysis</b>	Core Subject	20
8	<b>Project Execution</b>	Core Subject	10
<b>TOTAL</b>			146
<b>Practical/Skills:</b>			
Industrial training			120
Industrial visits			4
Minor Project: Seminar			2 weeks
Assignments/Demonstrations			
Case Studies			2 days

Guest lectures can be used as per convenience for different topics.

- **Profile : Survey Supervisor** (Using with GIS)
- **No. of Students : 9**
- **Trainer Name : Dr. Bratiti Dey**
- **Training Mode : Online**

IEST FEDERATION is an industrial training partner of NSDC-MEPSC and was responsible in coordinating and implements the project along with KNC as per the guidelines under UGC-NSQF scheme.

## Poster of GIS Mapping and Data Analysis



 **KAMLA NEHRU COLLEGE**  
(UNIVERSITY OF DELHI)  
Accredited 'A' Grade (CGPA 3.33) by NAAC  
**ADMISSION OPEN TILL 20TH DECEMBER 2020**

**OFFERS A  
CERTIFICATE COURSE IN  
GIS  
MAPPING AND  
DATA ANALYSIS**

Duration  
280 Hours (6 months)  
Minimum Qualification 12<sup>th</sup>/Age No Bar  
Mode : Offline Class  
Seats : 30 Only Females Candidate

**WHAT WILL YOU LEARN?**  
Understanding map  
Creation of maps in GIS platform  
Geospatial data analysis  
Concept of DBMS and Metadata  
Data visualisation

Fundamental of Surveying  
Modern surveying tools & techniques  
Data acquisition platforms  
Pre and Post surveying  
Project execution

**HIGHLIGHTS**  
Session by GIS experts  
Interactive sessions  
Practical based classes  
Case studies  
Field surveying  
Regular Assessment

On completion of course  
candidate will receive a  
certificate from MEPSC,  
NSDC

**Training & Assessment Partner  
IEST Federation & MEPSC (SSC-NSDC)**

**ENTRY JOB ROLE:**  
GIS Executive | GIS Engineer | GIS Assistant | GIS Technician  
GIS Mapping & Data Analysis | GIS Survey Supervisor  
Field Survey Enumerator

**Fees : INR 11,800/-**

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**TO REGISTER LOGIN TO**

**ADMISSION OPEN**



## OPENING SESSION OF THE COURSE

