CERTIFICATE COURSE IN GIS MAPPING AND DATA ANALYSIS

(26th 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

One Semester			Hours
1	**Understanding map**	General Subject	14
2	**Concept of GIS**	General Subject	14
3	**Data Acquisition technique**	General Subject	17
4	**Surveying**	Core Subject	17
5	**Modern Surveying Technique**	Core Subject	36
6	**Operations in Surveying**	Core Subject	18
7	**Linking surveying data with spatial analysis**	Core Subject	20
8	**Project Execution**	Core Subject	10
TOTAL			146
Practical/Skills:			
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**
- **Trainner Name : Dr. Bratiti Dey**
- **Training Mode : Online**

IIEST 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

OPENING SESSION OF THE COURSE