

CAREER DEVELOPMENT CENTRE



Date: 28th September 2019

Subject: Schedule for Technical Training – Q-GIS (VAT-78)

Attention: Students of B.Tech 5th & 7th Semester (Civil Engineering)

The students are hereby informed that the Technical Training – Q-G will be held from 10th October to 12th Nov 2019 for the students of B.Tech 5th & 7th Semester (Civil Engineering) .

Note: It is mandatory for all the above-mentioned students to attend the training.

Mr. Gaurav Singh

Head - CDC
Career Development Cell
DIT University, Dehradun

To:

- All Deans / Directors
- HoDs
- Head CDC

With the request to bring the above
to the notice of the students

Copy to:

- Chairman
- Chancellor
- Vice Chancellor
- Pro Vice Chancellor

For information please

Registrar
DIT University, Dehradun

VAT 78- Technical Training-QGIS for B.Tech-Civil Engineering Students

Course: -B. Tech.CE-3rd & 4th Year

Venue:- Vishveshwarya-101

Conducted By- Civil Engineering Department

Date:-10th October – 12nd November 2019

Duration:-40 Hrs.

Timings:- 4:00 PM-6:00 PM

Description

Do you need to use GIS and spatial analysis in your work but don't know how to apply these analyses and don't know software to use for GIS-related work?

Do you find GIS books and QGIS manuals not practical and looking for a course that takes you by hand, teach you all the concepts, and get you started on a real-life GIS project?

Quantum GIS (QGIS) is an **open-source Geographic Information System** that supports most geospatial vector and raster file types and database formats. The program offers wide GIS functionality, with a variety of mapping features and data editing. This enables cutting-edge, global-scale analysis and visualization.

The course provides you with all the necessary theoretical knowledge and practical skills to implement **PRACTICAL GIS analysis** in QGIS software starting with the basics concepts of GIS and Remote Sensing and equipping you with all necessary knowledge and skills to implement your own independent **GIS and Remote Sensing analysis in great QGIS open-source software!**

Requirements

- Students need no prior knowledge of GIS or QGIS
- Computer using basics (if You know where is right mouse button You're good to go)

This fundamental course is designed to equip you with the theoretical and practical knowledge of applied GIS analysis.

By the end of the course, you will:

- Learn how to install QGIS and work with QGIS and its plug-ins: Semi-Automatic Classification Plug-in (SCP), TrendsEarth, Google Earth Engine plug-in, SAGA and OTB processing toolboxes etc
- Feel confident and completely understand the basics of GIS and Remote Sensing and its main components,
- Learn all basics and core GIS data operations (vector and raster data as well as satellite imagery) and learn how to conduct GIS projects.



- Learn in QGIS how to perform image preprocessing, calculate spectral indices, conduct land use and land cover classifications with Machine Learning algorithms,

- Visualize GIS data and produce GIS maps for your reports

- And more

The course is ideal for professionals such as geographers, programmers, social scientists, geologists, GIS & Remote Sensing, and all other experts who need to use maps in their field and would like to learn more about geospatial analysis and satellite Remote Sensing in QGIS.

One important part of the course is the practical exercises. You will be given some precise instructions, downloadable practical materials, scripts, and datasets to create maps and conduct geospatial analysis using the QGIS software.

Who this course is for:

- Geographers, Programmers, geologists, biologists, social scientists, or every other expert who deals with GIS maps in their field

Training Outcome:

- The students have a greater clarity of basic spatial data concepts and data types
- Carry out practical spatial data analysis tasks in freely available software
- Learnt about the kind of questions that are answered through spatial analysis and where to obtain free spatial data.
- Analyze spatial data using both R and QGIS
- Process raster and vector data in both R and QGIS
- Show off your skills & gain experience by working on a real-life conservation related spatial data analysis project
- Started analyzing spatial data for your own projects using two powerful freeware tools
- The students also have plenty of handy hints and tips have been provided alongside the code to prevent glitches

Dr. Anil Kumar
DIT University, Dehradun

Annexure - II

Value added course Details (Academic Year: 2019-20)

VAT Course Name: Q-GIS Training

VAT Code: VAT 78

Duration in Hours: 40

Number of Students Enrolled: 149

Number of Students Completed: 143

Deepti
Shankhwar
CBE
Career Development Cell
DIT University, Dehradun

Grades:	G= GOOD ; S = Satisfactory ; P = Poor ; W = Withdraw			
Student ID	Student Name	Program/Course	Year	Passing Grade
1505011007	AMIT CHOUDHARY	BTCE	4th Year	G
1501011169	HIMANSHU KISHORE	BTCE	4th Year	S
1501011200	NAMAN ARORA	BTCE	4th Year	S
160101055	SARTHAK SAINI	BTCE	4th Year	S
160101028	AKASH AGRAWAL	BTCE	4th Year	G
160101061	VEDANT DWIVEDI	BTCE	4th Year	P
160101014	SAHIL SIDDIQUI	BTCE	4th Year	S
160101016	IKSHAANT SIKKA	BTCE	4th Year	S
160101044	KUNWAR AKSHYAT PRATAP SINGH	BTCE	4th Year	S
160101019	PRANAV S C PANDEY	BTCE	4th Year	S
160101013	ANIRUDH NAUTIYAL	BTCE	4th Year	P
160101042	ARPIT BHATT	BTCE	4th Year	G
160101050	AJAY SINGH NEGI	BTCE	4th Year	S
160101046	RAJAT BANGWAL	BTCE	4th Year	G
160106067	RAHUL PANWAR	BTCE	4th Year	S
160101026	TARUN TOLIA	BTCE	4th Year	S
160101008	GAURAV MEHRA	BTCE	4th Year	S
160101037	APOORV BISHT	BTCE	4th Year	G
160101029	RAJAT JOSHI	BTCE	4th Year	S
160101036	DEVASHISH PANDEY	BTCE	4th Year	S
160101009	YOGESH GWAL	BTCE	4th Year	S
160101002	LEVNESH JOSHI	BTCE	4th Year	S
160101003	ADITYA TANWAR	BTCE	4th Year	S
160101058	MOHIT SINGH YADAV	BTCE	4th Year	S
160101032	ROOPAK BHARADWAJ	BTCE	4th Year	G
160101048	GAURAV SAKLANI	BTCE	4th Year	S
160101001	SHOBHIT SUTHAR	BTCE	4th Year	G
160101065	ANKUR GUPTA	BTCE	4th Year	S
160101045	RISHU KUMAR	BTCE	4th Year	S
160101010	RHITIK BHATNAGAR	BTCE	4th Year	S
160101030	SHASHANK CHAUDHARY	BTCE	4th Year	G
160101043	ANIL KUMAR RATH	BTCE	4th Year	S
160101035	ARPIT SHARMA	BTCE	4th Year	S
160101005	KUMAR PARMESHWAR	BTCE	4th Year	S
160101051	ADITI GOYAL	BTCE	4th Year	S
160101034	SHIVAM AGGARWAL	BTCE	4th Year	S
160101007	LAKSHDEEP SHARMA	BTCE	4th Year	S
160101047	SAUJNAYA SHARMA	BTCE	4th Year	G
160101068	BHANU PRATAP SINGH BISHT	BTCE	4th Year	S
160101015	ANKESH KUMAR	BTCE	4th Year	G


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160101024	S ABDUL MAALIK	BTCE	4th Year	S
160101012	VAIBHAV GARG	BTCE	4th Year	S
160101049	AYUSH KAPOOR	BTCE	4th Year	S
160101006	ADITYA KUMAR GOYAL	BTCE	4th Year	G
160101021	ATUL GUPTA	BTCE	4th Year	S
160101052	VANDIT KAUSHIK	BTCE	4th Year	S
160101038	AMIT MISHRA	BTCE	4th Year	S
160101022	AMAN KUMAR	BTCE	4th Year	S
160102335	HARSH SHARMA	BTCE	4th Year	S
160101039	SAURABH JOSHI	BTCE	4th Year	P
160101057	ADAMYA SINGHAL	BTCE	4th Year	G
160101063	SARTHAK MITTAL	BTCE	4th Year	S
160101020	NEERAJ SINGH NAGARKOTI	BTCE	4th Year	G
160101031	VIPUL NEGI	BTCE	4th Year	S
160106079	AYUSHMAN .	BTCE	4th Year	S
160101056	SAURABH BHATT	BTCE	4th Year	P
160101066	VINEET RAJ RAWAT	BTCE	4th Year	G
160102336	MOHAMMAD SHAMIM AKHTAR	BTCE	4th Year	S
160101018	ROSHAN KUMAR	BTCE	4th Year	S
160101059	AJAY JOSHI	BTCE	4th Year	S
160101060	ANKIT PRASAD	BTCE	4th Year	S
160101033	SUBOOR ALAM	BTCE	4th Year	S
160101067	HARI KRISHNA KHANDURI	BTCE	4th Year	P
160101071	RAVI RANJAN KUMAR	BTCE	4th Year	G
160101072	ANKUR MALIK	BTCE	4th Year	S
160101073	ABHINAV KHATRI	BTCE	4th Year	G
170101054	BADRI NADH RAYASAM	BTCE	3rd Year	S
170101065	AYUSH SINGH	BTCE	3rd Year	S
170101905	SHUBHAM PANWAR	BTCE	4th Year	S
170101904	AYUSH KOTHIYAL	BTCE	4th Year	G
170101909	ABHISHEK RANA	BTCE	4th Year	P
170101906	ANUJ SINGH PAL	BTCE	4th Year	S
170101060	PRAVEEN MISHRA	BTCE	3rd Year	S
170101041	AAKRITI YADAV	BTCE	3rd Year	S
170101031	SUBHASH SINGH CHAUDHARY	BTCE	3rd Year	S
170101015	ABHAY KUNWAR	BTCE	3rd Year	S
170101058	ASHISH KUMAR GUPTA	BTCE	3rd Year	G
170101014	DHRUV GULATI	BTCE	3rd Year	S
170101081	SANKET MALIK	BTCE	3rd Year	G
170101018	SHASHANK SINGH	BTCE	3rd Year	S
170101043	ANSH SHANKAR SAXENA	BTCE	3rd Year	S
170101022	HASEEB FAROOQ	BTCE	3rd Year	S
170101042	VAIBHAV SINGH	BTCE	3rd Year	G
170101072	ADARSH GUPTA	BTCE	3rd Year	S
170101028	HARSH VARDHAN SINGH	BTCE	3rd Year	S
170101051	MOHD RASHID	BTCE	3rd Year	S
170101011	AYUSH GODIYAL	BTCE	3rd Year	S
170106009	KARTIK GULATI	BTCE	3rd Year	S
170101034	RITU RAJ KANDPAL	BTCE	3rd Year	S
170101071	MOHD ANAS	BTCE	3rd Year	G

170101047	ABHISHEK RAJPAL	BTCE	3rd Year	S
170101050	VIKASH KUMAR	BTCE	3rd Year	G
170101017	ANUSHKA AGGARWAL	BTCE	3rd Year	S
170101037	VARNIKA BORA	BTCE	3rd Year	S
170101923	ABHISHEK ARORA	BTCE	4th Year	S
170101040	PANKAJ KUMAR	BTCE	3rd Year	G
170101044	VIVEK KUMAR	BTCE	3rd Year	S
170101067	ADITYA BHARDWAJ	BTCE	3rd Year	S
170101062	AMIT KUMAR	BTCE	3rd Year	S
170101046	AMAN SRIVASTAVA	BTCE	3rd Year	S
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170101069	DIVYANSH GUPTA	BTCE	3rd Year	S
170101048	SAGAR KUMAR	BTCE	3rd Year	G
170101910	DEEPAK GAUR	BTCE	4th Year	S
170101025	AJAY SINGH BISHT	BTCE	3rd Year	S
170101021	KESHAV RAMOLA	BTCE	3rd Year	S
170101045	ASHUTOSH PANWAR	BTCE	3rd Year	G
170101033	PRANAY BHARTI	BTCE	3rd Year	S
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170101907	AMAN TYAGI	BTCE	4th Year	S
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170101035	ALOK RAJ	BTCE	3rd Year	S
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170102296	UTKARSH RAJ TRIPATHI	BTCE	3rd Year	S
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170101063	SHIVAM SUKALA	BTCE	3rd Year	S
170101920	MAITREYA JAIN	BTCE	4th Year	G
170101075	SARASWOTI KHANAL	BTCE	3rd Year	S
170102930	NIRMAL RANA	BTCE	4th Year	S
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180101904	GEET JOSHI	BTCE	3rd Year	G
180101900	AJAY VYASH	BTCE	3rd Year	S
180101907	SYED AMIR MIAN	BTCE	3rd Year	S
180101902	SAVEZ PATHAN	BTCE	3rd Year	S
180101906	ALOK TRIPATHI	BTCE	3rd Year	G
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