CAREER DEVELOPMENT CENTRE

Date: 23rd July 2021

Subject: Value Added Trainings
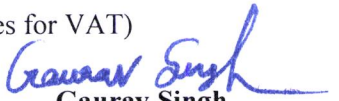
In School of School of Architecture, Planning & Design

Attention: B.Arch / M.Plan (Session-ODD-2021-22)

Above mentioned students are hereby informed that as per the approved value added trainings for the academic year 2021-22, Career Development Centre offers the below mentioned training in the ODD Semester (2021-22). Details as follows:

Training	Semester	Program	Duration	Date of Commencing
Arch-GIS(VAT-65)	7th & 1st	B.Arch-4th Year & M.Plan-1st Year	32 Hrs	13-10-2021

NOTE:

1. The Department concerned shall notify the details about timings and venue of the training sessions.In case of any query please contact the Career Development Centre, DIT University.
2. For Office of HoD- Ref to Letter N0. Ref No: DITU/CDC/2019/AN-14 (Guidelines for VAT)

Gaurav Singh
Head- CDC
Head -CDC
Career Development Cell
DIT University, Dehradun

To:

- All Deans / Directors
- HoDs   With the request to bring the above
- CDC   to the notice of the students

Copy for information to:

- Hon'ble Chairman
- Hon'ble Chancellor
- Hon'ble Vice Chancellor
- Hon'ble Pro Vice Chancellor
- ICT Manager – to upload on website

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VAT-65 Arc-GIS

The Arch-GIS training was conducted for students of B.Arch-4th Year & M.Plan-1st Year program, the venue for the training was DIT University SoAD-Computer Lab, It was conducted by the School of Architecture, Planning and Design, from 13-10-2021 to 30 -10-2021 (5:00 PM to 7:00 PM) and the main trainer for the training was **Ar. Meet Fatewar.**

OBJECTIVE:

This is an introductory course covering the theory and application of geographic information systems (GIS). The course includes an overview of the general principles of GIS and practical experience in its use. The lectures follow the organization of the textbook. The practical component involves the hands-on use of desktop GIS software packages.

TRAINING OUTLINE:

Module 1:

- Introduction to GIS
- Introduction to coordinate system and geographic projections
- Geometric Transformation
- Introduction to GIS and Geographic distribution
- Application of GIS and Remote sensing

Module 2

- Vector and raster data models- learning outcomes
- Vector data model
- Raster data model

Module 3

- GIS and Data models – Course assessment

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Key learning:

This course provides an introduction to GIS (geographic information systems) and Remote Sensing for spatial analysis with the emphasis on open source software available for free as well as free spatial data portals that offer a possibility to get started with the GIS, Remote Sensing, and spatial data analysis. This spatial analysis introductory course will provide you with an understanding of the GIS system and Remote Sensing in a very short time. By the end of the course, you will feel confident and completely understand the GIS and Remote Sensing technology and where to get GIS software geodata to make maps.

This course will prepare the students for the basics of using GIS and Remote Sensing with open source and absolutely free software tools. We will go over various industries where GIS and Remote Sensing can be used including agriculture, geology, mining, hydrology, forestry, environmental, and many more! We will talk about the main GIS components and stages of GIS analysis. I will explain your desktop computer requirements needed to start working with GIS. We will talk about different geodata types. Finally, I will also equip you with the knowledge of different geospatial software tools available and GIS data portals where you can download your spatial maps and data for free.

Training Outcomes:

- Fully understand basics of GIS and Remote Sensing
- Learn Applications of GIS and Remote Sensing
- Learn open source GIS and Remote Sensing software tools
- Learn feely available sources of geodata
- Fully understand the components of GIS system and its main functionality
- Learn how to install QGIS and its basics functionality
- Learn how to create a basic GIS-based map
- Learn Geodata types: raster and vector data types

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Annexure - II

Value added course Details (Academic Year: 2021-22)

VAT Course Name: Arc-GIS Training

VAT Code: VAT 65

Duration in Hours: 32

Number of Students Enrolled:44

Number of Students Completed: 42

Grades:	G= GOOD ; S = Satifactory ; P = Poor ; W = Withdraw			
Student ID	Student Name	Program/Course	Year	Passing Grade
180823037	Apurva Srivastava	B.Arch	4th Year	S
180823032	Harsh Vardhan Gupta	B.Arch	4th Year	S
180823028	Isra Ahmad	B.Arch	4th Year	G
180823022	Shalini Singh	B.Arch	4th Year	G
180823001	Aishwarya Verma	B.Arch	4th Year	S
180823005	Riya Verma	B.Arch	4th Year	G
180823007	Anusha Naithani	B.Arch	4th Year	S
180823008	Ishti	B.Arch	4th Year	S
180823006	Icha Kaur	B.Arch	4th Year	G
180823041	Akash Dhanraj Chitriv	B.Arch	4th Year	G
180823014	Saurabh Kumar	B.Arch	4th Year	S
180823010	Nakul Ahluwalia	B.Arch	4th Year	S
180823030	Ekta Garg	B.Arch	4th Year	G
180823003	Ananya Dhawan	B.Arch	4th Year	G
180823004	Dhruv Kumar Pal	B.Arch	4th Year	S
180823026	Geetika Sahu	B.Arch	4th Year	S
180823012	Jyotsna Narula	B.Arch	4th Year	G
180823027	Gaurang Kakkar	B.Arch	4th Year	S
180823023	Sushant Saini	B.Arch	4th Year	S
180823018	Shobhit Agarwal	B.Arch	4th Year	G
180823009	Aman Kumar Lohiya	B.Arch	4th Year	G
180823020	Ayush Rawat	B.Arch	4th Year	S
180823039	Harsha Singh	B.Arch	4th Year	S
180823015	Lavanya Rajput	B.Arch	4th Year	P
180823040	Aryan Thakur	B.Arch	4th Year	S
180823017	Bopeto Khetoi Shohe	B.Arch	4th Year	S
180823011	Kajal Verma	B.Arch	4th Year	S
180823013	Devansh Thapliyal	B.Arch	4th Year	S
180823033	Vrinda Aggarwal	B.Arch	4th Year	G
180823019	Tanishq Gusain	B.Arch	4th Year	S
180823034	Nikhil Singla	B.Arch	4th Year	S
180823029	Vanshika Tandon	B.Arch	4th Year	G
180823021	Delin Sara Sunny	B.Arch	4th Year	G
180823035	Divyansh Gupta	B.Arch	4th Year	S
180823025	Johnson Guria	B.Arch	4th Year	G
180823016	Anmol Sharma	B.Arch	4th Year	G
180823024	Deeksha Goswami	B.Arch	4th Year	G
180823036	Saurav	B.Arch	4th Year	P
180823031	Arjun Rathee	B.Arch	4th Year	S
180823042	Annapurna Sharma	B.Arch	4th Year	S

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1000015930	Vikas Nautiyal	M.Plan	1st Year	G
1000015913	Himadri Gogoi	M.Plan	1st Year	G
1000016592	Prabaldeep Gautam	M.Plan	1st Year	S
1000016105	Vipin Kumar	M.Plan	1st Year	S

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