

CAREER DEVELOPMENT CENTRE



Date: 03rd August 2022

Subject: Value Added Trainings

In School of School of Architecture, Planning & Design


Attention: B.Arch / M.Plan (Session-ODD-2022-23)

Above mentioned students are hereby informed that as per the approved value added trainings for the academic year 2022-23, Career Development Centre offers the below mentioned training in the ODD Semester (2022-23). Details as follows:

Training	Semester	Program	Duration	Date of Commencing
Climate Consultant (VAT-85)	7 th	B.Arch- 4 th Year	32 Hrs	23-08-2022

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.


Director Services Cell
DIT University Deemed to be Univ

To:

- All Deans / Directors
 - HoDs
 - CDC
- } With the request to bring the above 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

VAT-85: Climate Consultant

The Climate Consultant Training was conducted for students of **B.Arch-4th Year**, the venue for the training was DIT University, SoAD Climatology Lab , it was conducted by the School of Architecture, Planning and Design, from 23-08-2022 to 27-09-2022 (Duration - 32 Hrs) and the main trainer for the training program was **Ar.Aanchala Sharma**.

OBJECTIVE:

The climate change has drastically altered the weather patterns across the globe threatening life of many species on the Earth. Natural disasters like flooding, drought ,landslides etc have become a new normal. Therefore it is very crucial to train the coming generations of architect to design the buildings with climate.

Therefore, the Climate Consultant Software training give students the skills to design energy efficient buildings. The software generates climatic data like temperature ,humidity, dew point , sky cover range , wind velocity , psychrometric chart etc for all latitudes and longitudes which help students to design in sustainable way.

REQUIRED SKILLSET FOR CLIMATE CONSULTANT

Since the software is based on different weather phenomenon such as dry bulb temperature , wet bulb temperature , wind velocity , precipitation etc. the students must be aware of all climate related terms.

Students must know the following beforehand :

- Solar altitude angle , azimuth angle
- Difference between precipitation and rainfall
- Definations of humidity , relative humidity , absolute humidity etc.
- Wind velocity , dew point etc

TRAINING OUTLINE:

The Climate Consultant Software training is divide into three modules

Module 1

- Introduction to role of climate and microclimate in architecture
- Introduction to basic terms of climatology

Module 2

- Data generation on the software
- Analysis and Interpretation of Data

Module 3

- Using the data to learn different design strategies
- Learning Passive heating and cooling techniques to design energy efficient buildings

We use lectures, seminars and group tutorials to deliver the modules on the course.

Key learning:

Changing weather patterns and climate change creates a dire need for energy efficient designs. Energy efficient design requires different types of buildings in each different climate. This makes it necessary for architects, builders, contractors, and homeowners to understand the resources of their unique local climate and how it influences the performance of the buildings. Climate consultant software has therefore been created to achieve this.

It adds a number of new features , including new graphic screens and an interactive tutorial to explain different climate related terms.

It also automatically creates a list of design guidelines based on the attributes of each unique climate and it then displays a sketch illustrating how each guideline applies.

FUTURE DIRECTIONS

The climate consultant software helps professionals who are designing , constructing and maintaining buildings anywhere in the world understand the resources of their local climate and how it impacts their building's performance.

Training Outcomes:

By gaining the knowledge, one can be benefited in the following ways:

- when one practices the profession , one will attempt to design with keeping climate as a major factor.
- Energy efficient buildings will put lesser pressure on environment and help to create the right balance

Value added course Details (Academic Year: 2022-23)

VAT Course Name: Climate Consultant

VAT Code: VAT 85

Duration in Hours: 32

Number of Students Enrolled: 44

Number of Students Completed: 40

Grades: G= GOOD ; S = Satisfactory ; P = Poor ; W = Withdraw

Student ID	Student Name	Program/Course	Passing Grade
190823008	PUNEET YADAV	Bachelor of Architecture	G
190823014	ISHIKA JAIN	Bachelor of Architecture	S
190823009	KHUSHI BHATNAGAR	Bachelor of Architecture	S
190823006	SHIVAM KUNDU	Bachelor of Architecture	S
190823002	SHIVAM THAKUR	Bachelor of Architecture	G
190823018	GAUTAM GROVER	Bachelor of Architecture	G
190823011	ADITYA BISHT	Bachelor of Architecture	P
190823025	ANANYA JAIN	Bachelor of Architecture	G
190823030	LAVANGIKA	Bachelor of Architecture	S
190823015	ANUBHOOTI JOSHI	Bachelor of Architecture	S
190823010	AKSHAT GOEL	Bachelor of Architecture	S
190823012	NISCHHAL NEGI	Bachelor of Architecture	G
190823031	TUSHAR KAUSHIK	Bachelor of Architecture	G
190823026	SAMEER ANSARI	Bachelor of Architecture	P
190823032	AINDVI KHANNA	Bachelor of Architecture	G
190823020	SALONI GOYAL	Bachelor of Architecture	S
190823021	SNEHA PANDEY	Bachelor of Architecture	S
190823022	MOHD AMAN	Bachelor of Architecture	S
190823016	SAMEEP SINGH	Bachelor of Architecture	G
190823024	VIDIT AGARWAL	Bachelor of Architecture	G
190823040	KETAN GUPTA	Bachelor of Architecture	S
190823003	SAKSHAM K VERMA	Bachelor of Architecture	G
190823017	PURUSHOTTAM KUMAR	Bachelor of Architecture	S
190823004	AADYA AGARWAL	Bachelor of Architecture	S
190823033	RIYA JAIN	Bachelor of Architecture	S
190823005	CHIRAG SHARMA	Bachelor of Architecture	G
190823019	VIDUSHI AGARWAL	Bachelor of Architecture	P
190823007	KUSHAGRA AGRAWAL	Bachelor of Architecture	S
190823001	AMAN KUMAR	Bachelor of Architecture	G
190823027	SAURABH CHAUHAN	Bachelor of Architecture	S
190823046	NABEEL SHAH	Bachelor of Architecture	S
190823023	KATYAYANI	Bachelor of Architecture	S
190823028	RAHIL DOGRA	Bachelor of Architecture	G
190823013	TIMOTHY BOVES	Bachelor of Architecture	G
190823034	UMAR FARUKH	Bachelor of Architecture	S
190823037	ZUBAIR SAIFI	Bachelor of Architecture	G
190823036	SHIV NARAYAN	Bachelor of Architecture	S
190823042	SUDHANSHU KOTALIA	Bachelor of Architecture	S
190823043	FEEUNA ALAM	Bachelor of Architecture	S
190823035	ZOHA MIRZA	Bachelor of Architecture	G
190823039	KHUSHI GARG	Bachelor of Architecture	P
190823045	INDU PATEL	Bachelor of Architecture	S

190823038	AAMIR ALAM	Bachelor of Architecture	G
190823044	VAIBHAVI DHIMAN	Bachelor of Architecture	S

Career Services Cell
DIT University, Dehradun