

CAREER DEVELOPMENT CENTRE



Date: 02nd August 2019

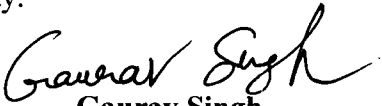
Subject: Value Added Training in School of Architecture & Planning

Attention: B.Arch- 3rd Year (Session-Odd-2019-20)

Above mentioned students are hereby informed that as per the approved value added training for the academic year 2019-20, Career Development Centre offers the below mentioned technical training in the 7th Semester (2019-20). Details as follows:

Training	Semester	Program	Date of Commencing
Climate Consultant (VAT- 85)	7 th	B.Arch-4 th Year	17-08-2019

NOTE: 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.


Gaurav Singh
Head- CDC
Career Development Centre
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-85: Climate Consultant

The Climate Consultant Training was conducted for students of **B.Arch-4th Year & M.Plan-1st Year program**, the venue for the training was DIT University, SoAD Climatology Lab , it was conducted by the School of Architecture, Planning and Design, from 17-08-2019 to 30-08-2019 (Duration- 30 Hrs) and the main speaker for the training 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



Registrar
DIT University, Dehradun

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



Annexure - II

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

VAT Course Name: Climate Consultant

VAT Code: VAT 85

Duration in Hours: 32

Number of Students Enrolled: 50

Number of Students Completed: 50

Deer
Abhakar
Head, CDR
Career Development Cell
BIT University, Dehradun

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

Student ID	Student Name	Program/Course	Year	Passing Grade
1508001077	NYAKEN BOMJEN	BArch	4th Year	S
160823003	JAYESH SINGH RAWAT	BArch	4th Year	S
160823022	RACHIT AGRAWAL	BArch	4th Year	G
160823010	MANIDIPA NEOGI	BArch	4th Year	S
160823016	MANAV GOYAL	BArch	4th Year	S
160823026	DEVANG SINGHAL	BArch	4th Year	S
160823039	YASHPAL KAINтура	BArch	4th Year	G
160823004	AVANTIKA AGARWAL	BArch	4th Year	G
160823044	PREKSHA JINDAL	BArch	4th Year	S
160823021	JASNEET SINGH BUMRA	BArch	4th Year	S
160823028	NITIN KUMAR TRIPATHI	BArch	4th Year	S
160823029	MANISHA NEPANE	BArch	4th Year	S
160823025	ARSHI KHAN	BArch	4th Year	S
160823030	KRASHANG GIRI GOSWAMI	BArch	4th Year	S
160823041	SURBHI RANA	BArch	4th Year	G
160823037	SWAPNIL JAISWAL	BArch	4th Year	S
160823019	ANUSHKA KULSHRESTHA	BArch	4th Year	S
160823036	SAKSHI CHAUHAN	BArch	4th Year	S
160823038	SAKSHI BHATT	BArch	4th Year	G
160823031	SHWETA SINGH	BArch	4th Year	G
160823015	ROHIT KUMAR JHA	BArch	4th Year	S
160823020	MANVI PRUSTY	BArch	4th Year	S
160823013	VEDANT ANAND	BArch	4th Year	S
160823033	SHUBHANK ROULANIYA	BArch	4th Year	S
160823035	KAUSHAL SINGH	BArch	4th Year	S
160823008	HARSHIT AGARWAL	BArch	4th Year	S
160823034	DEEPANITA DASH	BArch	4th Year	G
160823043	SIDDHANT SINGH	BArch	4th Year	S
160823018	PRATIBHA BHANU	BArch	4th Year	S
160823032	ANUSHREE KHANNA	BArch	4th Year	S
160823024	JYOTISHMAN BORAH	BArch	4th Year	G
160823002	DEEP PRAKASH GUPTA	BArch	4th Year	S
160823014	DEEPAK SINGH	BArch	4th Year	S
160823027	SUYASH SINGH	BArch	4th Year	G
160823017	NIKHIL KALA	BArch	4th Year	S
160823047	KARTIKEYA SINGH BISHT	BArch	4th Year	S
160823009	KIRTEE SINGH	BArch	4th Year	S
160823023	OSHIMA BHATIA	BArch	4th Year	G
160823012	RISHIKA GOEL	BArch	4th Year	G
160823007	NILAY DUTTA	BArch	4th Year	S

LP
Registrar
BIT University, Dehradun

160823042	VAISHALI DHYANI	BArch	4th Year	S
160823045	AYASHKANT ASHISH	BArch	4th Year	S
160823006	VIBHOR SRIVASTAVA	BArch	4th Year	S
160823046	ANSH AGARWAL	BArch	4th Year	S
160823048	AKASH SAINI	BArch	4th Year	S
160823051	VANSHIKA MITTAL	BArch	4th Year	G
160823049	AKSCHAT MATHUR	BArch	4th Year	S
160823050	DARSHIKA RAJPUT	BArch	4th Year	S
160823052	NAVEEN DIXIT	BArch	4th Year	S
160823053	AAKRITI AGRAWAL	BArch	4th Year	G



Registrar
DIT University, Dehradun