



IQAC ANNUAL EVENT REPORT ON QUALITY RELATED CONFERENCES/WORKSHOPS/ SEMINARS

2018-19



DIT University

Mussoorie Diversion Road, Dehradun, Uttarakhand-248009



**CONFERENCE /WORKSHOPS/
SEMINARS ON QUALITY**

WORKSHOP ON JAVA PROGRAMMING



Computer Science and Engineering department had arranged a workshop on “Java Programming on 18th April 2019 from 11.00 AM to 1.00 PM. This workshop has been arranged for the faculty members. The main objective of this workshop is to make faculty aware about the new advances in Java Programming.



The poster features the DITU 20th anniversary logo (1998-2018) in the top left corner. The main text reads: "In association with Department of Computer Science & Engineering & CodeGenX Exploring the Horizons of Practical Learning...". Below this is the DUCAT logo. The central text says "PRESENTS WORKSHOP ON JAVA PROGRAMMING". The date and time are "18th April, 2019 | 11AM To 1PM onwards" and the location is "Vedanta 323". A QR code is provided for registration. Contact information for Rohit Gupta (7500993736) and Abhinav Pathak (9839655006) is listed at the bottom. The background includes a stylized architectural drawing of a building.

In association with
Department of Computer Science &
Engineering
&
CodeGenX
Exploring the Horizons of Practical Learning...
DUCAT
PRESENTS WORKSHOP ON
Java **JAVA**
PROGRAMMING
18th April, 2019 | 11AM To 1PM onwards
Vedanta 323
Register Here:

Contact:
Rohit Gupta 7500993736
Abhinav Pathak 9839655006

DIGITAL LEADERSHIP COURSE PART1 – ONLINE LEARNING WORKSHOP FOR FACULTY BY QASPIR IN APRIL 2020.

**Resource
Person:**

As a part of improving online class room teaching, better student engagement and effective online assessments, QASPIR, UK in association with Association of Indian University, organized series of workshops in the month of April 2020.

DIT University facilitated the participation of faculty members in these workshops by encouraging them to register so as to empower faculty members appropriate tools and techniques that make online learning a lot more engaging and effective.

One Day Online workshop:

Online Learning for Faculty: what you need to know and prepare for a successful transition of your curriculum.

March 31: 0900-4.30 pm

Planning for Online Delivery
Student Engagement for Online Learning
Evaluating and Assessing Online Learning

Attention: Extra workshops now available

Our newly revised schedule will enable participants to select the individual modules they can attend over a period three days.

April 1: Planning for Online Learning
9am-11.30 am
2pm – 4.30 pm

April 2: Student Engagement
9am-11.30 am
2pm – 4.30 pm

April 3: Evaluating and Assessing Online
9am-11.30 am
2pm – 4.30 pm

**Resource
Person:**
Art of Living

FACULTY DEVELOPMENT PROGRAMME ON RECENT RESEARCH TRENDS IN PHARMACEUTICS

Date of event: 11th to 14th July 2018

Organizing Department/Organization
Faculty of Pharmacy, DITU

To provide recent advances in research and emerging technology in Pharmacy Profession to the faculty so that they can provide updated trends to the budding professionals. • This will serve as platform for providing innovative smart solution for various research problems in the pharmacy with high happiness index to each participant.



**DIT FACULTY OF
PHARMACY DIT UNIVERSITY**

Organizes

**ONE DAY
Faculty Development Programme**

**RECENT RESEARCH TRENDS IN
PHARMACEUTICS**
(Wednesday 11th July 2018)

&

**THREE DAY Happiness
Programme by
(ART OF LIVING)
Dehradun Chapter**
(12th July-14th July 2018)

FACULTY DEVELOPMENT PROGRAM “CHARACTERIZATION TECHNIQUES AND THEORETICAL MODELLING IN CONDENSED MATTER PHYSICS”

**Resource
Person:**

Dr. Praveen Kumar

Organizing Department/Organization
School of Computing, DITU

07

No. of participants:

Date of event: 13th-14th July 2018

Objectives

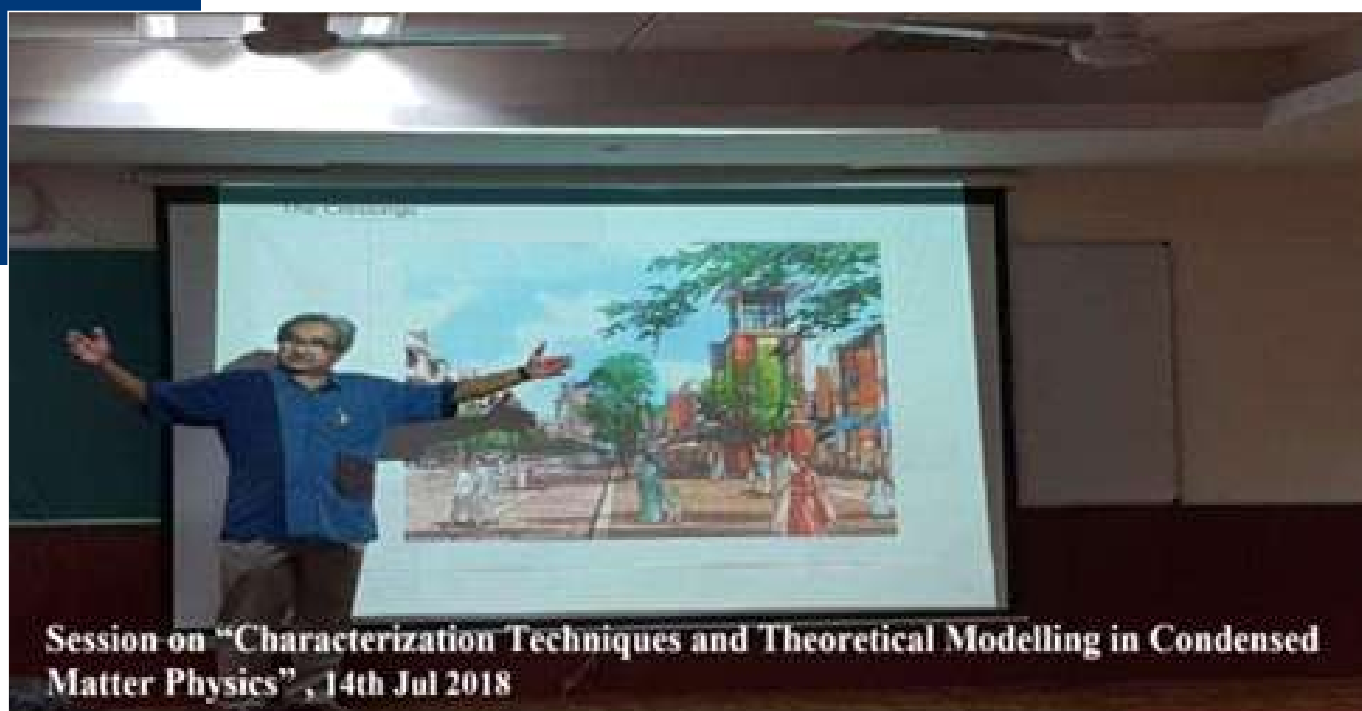
1. Brushing up of basics of Condensed Matter Physics.
2. Learning about Diffraction in material sciences and engineering

1. A deeper understanding of the condensed matter physics.
2. Learning the difference between macroscopic and microscopic properties of matter.
3. Understanding the use of whole field of polymers, complex fluids and other so-called 'soft' condensed matter systems has all sorts of applications.

Outcomes

Report

This FDP program was organized to impart knowledge about the current areas of research and innovation in the field of condensed matter physics. Prof.K K Raina was the keynote speaker. Mr. Neeraj Pandey from IRDE, Dehradun was the invited speaker. Dr. Parveen Kumar, Dr. Pankaj Chamoli and Dr. Anirban Mukherjee from department of Physics, DIT University also delivered the talks. This event gave an opportunity to faculty to look forward for collaborative work with IRDE.



**Faculty Development Program on
"Characterization Techniques and
Theoretical Modelling in Condensed
Matter Physics" – July 13-14, 2018**

Registration Form

Name _____

Designation _____

Institution/Company _____

Address _____

City _____ Pin Code _____

Tel _____ Fax _____

E-Mail _____

Registration Fee

All participants are required to register for the program as per details. The registration fee of Rs.500/- includes stationery kit, lunch and refreshments and tea.

The DD should be drawn in favor of DIT University payable at Dehradun on or before 10th July, 2018. Registration can also be done on the spot by paying the registration fee in cash.

Correspondence

Dr. Pankaj Chamoli
Contact No.:+917579047317
Email ID: dr.pankaj.chamoli@dituniversity.edu.in



Faculty Development Program

**Characterization Techniques and
Theoretical Modelling in
Condensed Matter Physics**

Department of Physics
July 13-14, 2018

DIT University
Mussourie Diversion Road,
Village- Makkawala,
Dehradun-248009
+91-135-3000375,
www.dituniversity.edu.in



FACULTY DEVELOPMENT PROGRAMME ON DESIGN THINKING AND PROCESS

**Resource
Person:**
Ar S. K. Das

Organizing Department/Organization
School of Architecture & Design, DITU

10
No. of participants:

Date of event: 16th July 2018

DIT University
DIT University provides holistic education, enabling students to compete globally and face issues and challenges empowered with knowledge and skills. Our focus has always been to promote life-long learning, and develop entrepreneurship and leadership skills.

KEY HIGHLIGHTS

- Selected Quality Faculty (From IIT and NITs)
- English and Other Foreign Languages
- Limited intake
- Holistic teaching and learning processes

GENESIS

- A campus with over 7000 students with Rich Heritage
- Trust, Accountability and Integrity
- Excellent Placement Record
- Located in pristine Doon Valley

ACHEIVEMENTS OF UNIVERSITY

- Accredited by NBA
- Year round expert lectures delivered by eminent professors and professionals, nationally and internationally
- Unique and educative National and International conferences

www.dituniversity.edu.in
Please contact -
0135 3000 300, 9639 001 954
for any queries.

Correspondence

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Vartica Saxena
Contact number: +91 96347 10908
email ID: vartica.saxena@dituniversity.edu.in

DIT UNIVERSITY
IMAGINE. ASPIRE. ACHIEVE.

20 DITU 1980-2018

Faculty Development Program

“Design Thinking and Process”
Eminent Architect SK Das
Faculty of Architecture and Design
Monday, 16 July 2018

DIT University
Mussourie Diversion Road,
Village- Makkawala,
Dehradun-248009
+91-135-3000375,
www.dituniversity.edu.in



Objectives

1. To provide a solution based approach to solving problems.
2. To empower one and all in order to solve complex problems in human-centric ways.
3. Learn the stages- Empathize, Define, Ideate, Prototype, Test

Outcomes

1. To understand that the approach is flexible in all sorts.
2. To involve the human needs in order to come up with better solutions

Report

Faculty of Architecture & Design conducted a workshop on Design Thinking and Process on 16th July' 18. With 10 attendees, a talk on Design Thinking and Process was delivered by Ar. S.K. Das who is a renowned architect, urbanist, professor, and consultant to international multilateral agencies, governments, private sector and NGOs honored for his versatility and sensitivity to community and context. His work spans a range of scales including townships, urban development, master planning, housing mixed-use developments, institutions and residences, and low cost housing for the poor. It was conducted to bring in a better understanding of the 5 stages in the Design Thinking process.

Resource

**FACULTY DEVELOPMENT PROGRAMME
ON INTERNET OF THINGS**

Person:

Mr. Rohan Kumar

Organizing Department/Organization
School of Computing, DITU

Date of event: 18th July 2018

Report

Mr. Rohan Kumar, started the introduction of Internet of Things (IOT) and later on he showed practical demonstration with Arduino kit for embedded system. He further added the measuring tool for the purpose of reading the sensor data connected to the computer desktop.



GUEST LECTURE ON STRESS MANAGEMENT

**Resource
Person:**

Dr Pratibha Singh

Organizing Department/Organization
School of Computing, DITU

07

No. of participants:

Date of event: 1st Aug 2018

The main objective of this event was to discuss stress related issues and strategies to overcome them. Dr. Pratibha Singh, Clinical Psychologist and consultant at Doon Hospital – Dehradun conducted various exercises to make student aware about the issues and impact of stress on their learning and productivity. Stress has become a very common phenomenon among the young and old. Society faces many adverse effects of stress on individuals at home, at work, among friends and in the family.

This session was very helpful in helping the students cope up with their own stress. As future managers and leaders of organizations, it was very helpful for the students to know the impact of stress on productivity and the organizational climate.



Resource**Person:**

Dr. K. K. Raina

**FACULTY DEVELOPMENT PROGRAM ON INTEGRATION
OF BEST INTERNATIONAL PEDAGOGICAL PRACTICES
TO INDIAN HIGHER EDUCATION SYSTEM****50****No. of participants:****Organizing Department/Organization**

School of Pharmacy, DITU

Date of event: 2nd Jan 2019

I ncreasing our learning curve, in 2019 multiple Training sessions were hosted to provide a better insight and also to keep pace with the fast growing world. To enhance the same an FDP on Integration of Best International Pedagogical Practices to Indian Higher Education System by Pharmacy Department of DIT University was hosted on 2nd January, 2019, which was attended by 50 participants. The session was addressed by Dr. KK Raina. The core objectives of the program was to inform and discuss about the education system in India. The session also highlighted the major facts and figures of



rules and laws being followed by the education system in India. The major Emphasis of the session was to understand the pedagogies being followed by the education institutions in their common practices. The session provided an awareness among the faculty regarding the practices being followed in the education system across the country. The session helped the teachers in understanding the ways to develop a balance between teaching and learning. The major emphasis of the session was on developing new pedagogies for learning and delivery in the sessions.

WORKSHOP ON PYTHON

Resource Person:

Dr. Aditya Kishore Saxena,
System Engineer
from TCS, Gurgaon

Organizing Department/Organization
School of Computing, DITU

11

No. of participants:

Date of event: 2nd Feb 2019



The poster features a central illustration of a person's hands typing on a laptop keyboard. The laptop screen displays code. The background is a dark blue with floating code snippets and symbols like a multiplication sign and less-than/greater-than signs. The DIT University logo is in the top right corner of the illustration.

20 DITU 1998-2018

**DEPARTMENT OF
COMPUTER APPLICATIONS**

Organizes

A TECHNICAL HANDS-ON WORKSHOP
On
PYTHON PROGRAMMING

By
MR. VIJENDRA YADAV
System Engineer from TCS, Gurgaon

Date: February 2, 2019 | **Time:** 9:00 AM to 1:30 PM
Venue: Programming Lab (VED 223)

To be efficient and competent a workshop was organized for our faculty members on Python. Python is a multi-paradigm programming language that has primarily been developed as a more concise, straightforward, and easy-to-understand alternative to other major languages such as C, Java and Perl. It was organized by the MCA department, School of Computing of DIT University on 2nd February'2019 and a total of 11 members attended the session. Dr Aditya Kishore Saxena, System Engineer from TCS, Gurgaon was the guest lecturer for the same. The objective of the workshop was introduction to python and how a python program runs. Mr Saxena also discussed the basics of class coding and also introduced the modules and functions of python to the faculty members. After the session the faculty had a hands on exposure of python from beginner to high-level. Further the problem solving and programming capability of the faculty was enhanced. The session helped the faculty in clearing a lot of their doubts related to Python.

**Resource
 Person:**

 Dr. Sumit Srivastava,
 Dr. Mahesh Jangid,
 Dr. Sandeep Chaurasia

**FACULTY DEVELOPMENT PROGRAM
 ON DEEP LEARNING**
20
No. of participants:
Organizing Department/Organization
 School of Computing, DITU

Date of event: 27th to 31st May 2019

Dr. Sumit Srivastava, Professor, IT, Manipal University has started the FDP with the discussion on Deep learning and its application in a different area of the engineering. He explained the basic architecture of an artificial neural network to the latest architecture of Deep learning model nowadays. Further, the discussion covered the future of deep learning and the ideas where the participants can approach for the research projects. He covered the mathematical foundation of the artificial neural network. He has also explained the importance of and use of optimizers to tune the model perfectly. During the session, the participants also enthusiastically participated to ask the query and also clear their doubts on Deep learning. The participants practically got to know the working of artificial neural network and deep learning in hands-on session.

Dr. Mahesh Jangid, Assistant Professor, CSE, Manipal University has discussed two deep learning approaches called CNN and RNN. He firstly explained, "Why deep learning is so popular among the research community nowadays". Then he took the (CNN) Deep convolutional neural network and explained the working of convolution, pooling, dropout and fully connected layers. He has done many hands-on session on MNIST dataset, object detection, CIFAR dataset, etc. Further, he explained the role of bias and variation to detect the underfitting and overfitting problem of deep learning models. To work on time series dataset, he explained the RNN (Recurrent Neural Network). The gradient vanishing and exploding problems were also discussed during the session. After the lunch session, he took a hands-on session on the real-time stock prediction and the image captioning using the CNN and RNN models.

Dr. Sandeep Chaurasia, Associate Professor, CSE, Manipal University gave the lectures on natural language processing (NLP) on the third of FDP. He firstly introduced the foundation concept of Natural Language Processing along with the state of art research areas in NLP. Then he explained the NLTK toolkit & Machine learning using text data. Further he explained the sentiment analysis for movie dataset and exploratory data analysis was done for analysing the dataset. He discussed the Markov chain model for generating the automated test and Liner

Discrimination Analysis (LDA) for identifying the topic. He gave many demonstration to the participants to get in-depth knowledge of the natural language processing (NLP).

WORKSHOP ON NAAC ACCREDITATION PROCESS

**Resource
Person:**

Prof. B S Madhukar

Organizing Department/Organization
School of Computing, DITU

20
No. of participants:

Date of event: 24th April 2019



Addressing the changing paradigms of higher education, the National Assessment and Accreditation Council (NAAC), Bengaluru developed Revised Accreditation Framework (RAF) to make the existing assessment and accreditation process more robust, objective, and transparent, outcome oriented and stakeholder friendly. It is in this context, the Internal Quality Assurance Cell (IQAC) of DIT University organized a one day NAAC awareness workshop under the theme, "NAAC Revised Accreditation Framework (RAF)" on 24th April 2019. In view of the need of mandatory accreditation for improving quality of Higher Education Institutions in the country, the main objective of this workshop was to bring together all the Departments of the University and create awareness among them about the NAAC's Revised Accreditation Framework. Registration for the workshop started at 10:00 AM followed by the Inaugural Session, Technical Session I, Technical Session II and Open Session, as per the schedule. In all, 20 participants attended the workshop. These included Principals, Directors, IQAC Coordinators, HOD'S and faculty members. In this session, Prof. B S Madhukar –ICare Bangalore made a detailed presentation on the Revised



Accreditation Framework of NAAC. He explained minute details of the Assessment & Accreditation (A & A) process beginning with the eligibility criteria to online submission of 'Institutional Information for Quality Assessment (IIQA)'. Next, he described as to how the HEI's applying for A & A process for the first time (Cycle1 Process) has to register and proceed. He informed that "IIQA User Manual" is available on the dashboard for help. Also, the required documents and the ones to be uploaded were also enlisted. The IIQA Application Process was explained in detail. He told the participants that in the revised framework, the number of Peer Team members and duration of visit has been reduced. He also mentioned that the expense on the visit and stay of Peer team members is borne fully by NAAC. He cited many examples how any false information mentioned by the college in SSR is revealed by the Peer Team. He, cautioned, that such practice is not acceptable and



the college should always submit only that information which could be verified. He also made it clear that the Peer Team is not for grievance redressal, therefore, the faculty, employees and students during interaction with Peer Team should put forth answers honestly and desist from forwarding their personal grievances



**COLLABORTIVE CONFERENCE /
WORKSHOPS/SEMINARS
ON QUALITY**

WORKSHOP ON MATLAB MLT-I

Resource Person:

Mr. Gaurav Kumar
System Engineer
from TCS, Gurgaon

Organizing Department/Organization
EECE department, School of Engineering and Technology

13
No. of participants:

Date of event: 14th Sep 2018



MATLAB is a very essential software used for data analysis and processing, in all the technical fields nowadays. In context to the usage and importance of MATLAB a workshop was conducted on the same by the EECE department of DIT University with 13 members on 14th September'2018. The speaker for the session was Mr Gaurav Kumar by CETPA. The primary objective of the session was to understand the learning functions and the toolbox of formats. Further the session focused on the use of MATLAB matrices to store data and creating and writing syntax for the program. The session helped the faculty to clear a lot of their doubts as after the session they were able to align the syntaxes to create proper programs. It also helped them understand and learn the effective use of matrices in MATLAB. The session was very beneficial for the faculty to understand the working on MATLAB.

Resource Person:
INTACH Chapter
Dehradun

WORKSHOP ON SMART HERITAGE BY FACULTY OF ARCHITECTURE & DESIGN

Date of event: 16th - 18th October 2018

40
No. of participants:

Organizing Department/Organization
School of Architecture & Design, DITU



Faculty of Architecture & Design, DIT University in Association with Indian Heritage (INTACH) is organizing a workshop on Smart Heritage from 16th October to 18th October 2018 at DIT University, Dehradun. The event was conducted to discuss about the conservation of heritage structures in a smart city.



ONE DAY WORKSHOP ON NPTEL

Resource

Person:

Dr. B. K. Gandhi,
Professor, IIT Roorkee

Organizing Department/Organization
School of Computing, DITU

Date of event: 13th July 2018

A one day workshop is organized on 13th July, 2018 to create awareness about NPTEL online certification courses. Dr. B. K. Gandhi, Professor, IIT Roorkee and his team has presented the activities of NPTEL program. The workshop Talks about what NPTEL is, the courses that are there, the formats, extra features such as text transcription, video download, etc NPTEL open online courses

- what they are, how colleges can use them, statistics, etc Local Chapter of NPTEL - how colleges and NPTEL can work together and interact directly Nomination of faculty members is being sought for this workshop from each institution.



**Resource
Person:**

Mr Ashish Kumar Misra,
RCPL

WORKSHOP ON E-TAB AND PLC/SCADA

Organizing Department/Organization
School of Computing, DITU

Date of event: 16th July 2018

Objective

1. Powerful CAD-like drawing devices in a graphical and object-based interface.
2. Increased profitability of basic architects in the building business.
3. Significant investment funds in time and effectiveness over universally useful programs

Vaau Manpower hosted a Workshop on E-TAB and PLC/SCADA in collaboration with DIT University - Faculty of Architecture & Design for its faculties. The workshop was delivered by RCPL - Mr Asish Kumar Misra, wherein a total of 19 participants contributed. The workshop was conducted for faculties on 16-Jul-18. E-Tabs is a refined and advantageous unique examination and configuration project matured particularly to build frameworks. With its coordinated framework and the capacity to handle the biggest and most complex building models arrangement, it guarantees the following objectives and outcomes:



Outcome

1. Increased productivity.
2. Enhanced work process

FDP ON PYTHON & MACHINE LEARNING, CYBER SECURITY, CLOUD COMPUTING AND IOT

**Resource
Person:**
Mr. Jitendra Kumar,
RCPL

Organizing Department/Organization
School of Computing, DITU

Date of event: 16th – 21st July 2018

An Augmented Training offered by E&ICT – IIT Kanpur in collaboration with RCPL Pvt. Ltd. on latest trends and technologies for the faculty members of entire university. Mr. Jeetendra Singh from RCPL, two days covered the practical aspects of Python and Machine Learning. The concept of cyber security and cloud computing has been discussed on 3rd and 4th day respectively. In last 2 days IoT concepts and practical aspects has been discussed.



**Resource
Person:**

Dr. Meenakshi Rawat

WORKSHOP ON MACHINE LEARNING AND DATA ANALYTICS WITH PYTHON

Date of event: 27th to 31st Dec 2018

22
No. of participants:

IIT Roorkee

**Name of
Collaborator**

Electronic & ICT Academy, IIT Roorkee **DIT UNIVERSITY**

Faculty Development Programme
on
“Machine Learning and Data Analytics with Python”
27 December – 31 December, 2018
at
School of Computing (Vedanta Block)
DIT University, Dehradun

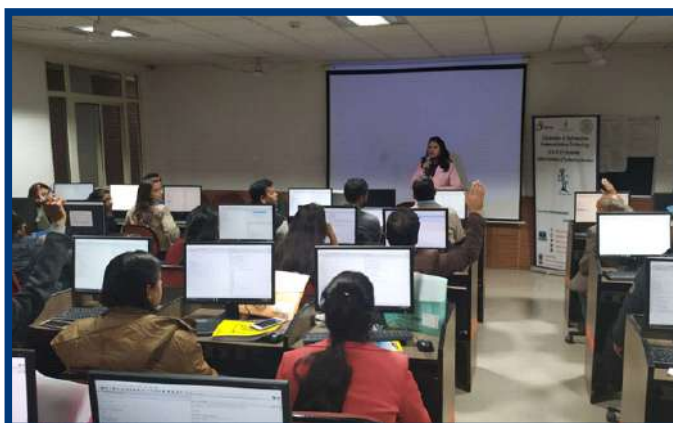
Principal Investigator:
Dr. Sanjeev Manhas
Associate Professor
ECE Department
IIT Roorkee

Local Coordinator:
Dr. Aditya K Saxena
(Assistant Prof. CSE Dept.)
Mr. Ajay Kumar
(Assistant Prof. CSE Dept.)

Ministry of Electronics & Information Technology
Government of India

Digital India
Power To Empower

f /eict.iitr /eictiitr



The importance and usage of Machine learning, data analytics and python is known worldwide nowadays, thus to improve the understanding of our faculty members on the same an integrated 4 days’ workshop on Machine Learning and Data Analytics with Python was conducted by the CS department of DIT University in collaboration with IIT Roorkee from 27th to 31st December’2018 for a total of 22 members. The FDP was organized in order to bring all the concepts together and to show how they work and affect the working of each other. The speaker for the session was Dr Meenakshi Rawat - IIT Roorkee The objective of the workshop was to understand the basics of Machine learning, Data Analytics and Python. The workshop also focused on how to use different technologies in each other and their compatibility with each other. The session helped our faculty to learn on how to import data sets. It also helped the faculty understand how to build machine learning models using scikit-learn.

WORKSHOP ON REDHAT CLOUD

**Resource
Person:**

Mr. Saurav Kohli

**Name of
Collaborator** Cross India and
Red Hat Academy

20
No. of participants:

Date of event: 6th March 2019



Report

To enhance the skills and competency of our faculty a DIT university organized a workshop –RedHAT cloud. The workshop was conducted in collaboration with Cross India and Red Hat Academy on 6 th March'2019. The session was attended by 20 faculty members. The trainer for the session was Mr. Saurav Kohli. Red Hat® Cloud Suite is a combination of tightly integrated Red Hat technologies you can use to build a cloud infrastructure, develop cloud-native apps, and orchestrate deployments across hybrid IT environments. It provides everything you could possibly need to create, connect, and be productive in a hybrid cloud. The objective of the workshop was to provide an insight to an app-development platform that gives developers access to processing power so they can integrate and deploy apps in containers and virtual machines. The workshop helped the faculty to understand as to how cloud gives you a common interface and technology stack for development, operations, IT administrators, and lines of business. It also provided information on how to administer your cloud infrastructure and app development workloads in Red Hat Cloud Suite with a unified management framework. The workshop helped the faculty by providing a better knowledge about the Cloud and its application and the information about identifying and integrating with other software.

Resource**Person:**

Dr. Manoj Twari

**FACULTY DEVELOPMENT PROGRAM ON STUDENT
INDUCTION PROGRAM COLLABORATION WITH AICTE
& IIT BHU BY DIT UNIVERSITY****41****No. of participants:****Date of event:** 18th -20th June 2018**Report**

The program was organized by DIT University from 18th to 20th June, 2018. It had a total number of 41 participants, wherein Dr. Manoj Tiwari was the key speaker for the event. The induction has always been a part of the curriculum because it helps both the ends to understand each other better. Below mentioned are its set objectives and outcomes:

Objectives:

1. The new students always need a sense of direction and understanding which in turn benefits them to adapt better.
2. The faculty members to be briefed upon the key roles and responsibility areas.
3. A sense of ownership to be generated.

Outcomes:

1. Knowing the organization better would in turn help the students also.
2. Sensitize them towards exploring the academics



HOUSING OF MULTIPLE CONTEXTUAL MULTIPLICITY

**Resource
Person:**
Ar. S. K. Das

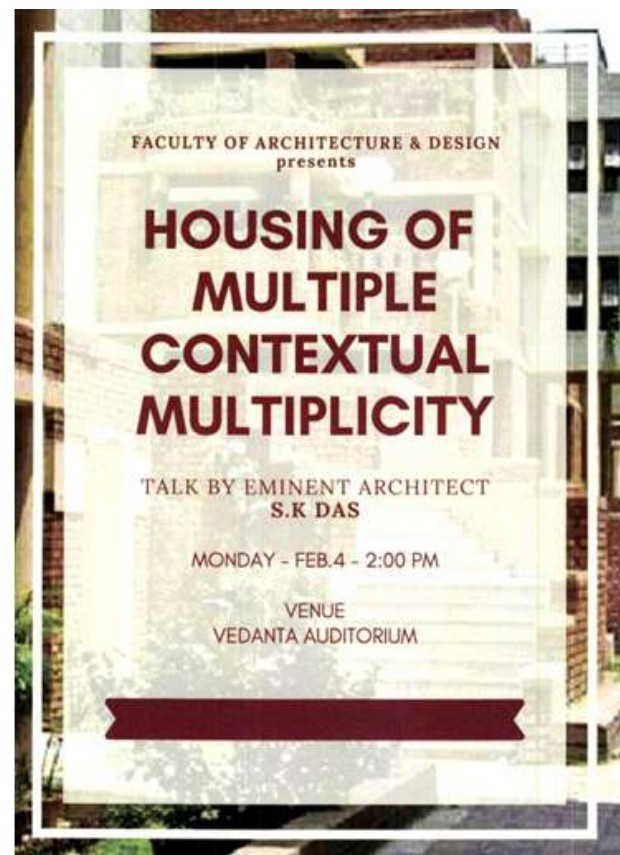
Organizing Department/Organization
Faculty of Management Studies, DITU

21

No. of participants:

Date of event: 4th February 2019

With 21 attendees, a talk on Housing of Multiple Contextual Multiplicity was delivered by Ar. S.K. Das on 4th Feb, 19. SK Das is a renowned Architect, Urbanist, Professor, and Consultant to International multilateral agencies, governments, private sector and NGOs. He is honored for his versatility and sensitivity to community and context. His work spans a range of scales including townships, urban development, master planning, housing mixed-use developments, institutions and residences, and low cost housing for the poor. He talked about his experiences and discussed with our faculty the ways to celebrate diversity and pluralism specific to circumstances. He also talked about the ways to align urbanization with architecture. After the



session our faculty learned different ways of providing aesthetic value to architecture and also provided an in depth knowledge on ways to bring diversity in architecture..



SK Das

SK Das is an award-winning architect, urban planner and professor with work and academic experience spanning over four continents. Alumni of the esteemed JJ School of Architecture, Mumbai, has been a project consultant to many international agencies, including UNDP/UN Habitat and the governments of Indonesia, Thailand and Sri Lanka. He has lectured widely at institutions such as the Institute for Housing and Urban Development Studies (Netherlands), Sushant School of Art and Architecture (IN), School of Planning and Architecture New Delhi (IN), MIT (USA), University of California Berkeley (USA), Columbia University (USA), Delft University (Netherlands) and Architectural Association, London (UK).

www.skdas.org

Program Schedule

- 9:30 - 11:00 am - Presentation on Design thinking - The Big Picture
- 11:00 - 11:30 am - Tea Break
- 11:30 am - 1:00 pm - QnA session
- 1:00 - 2:00 pm - Lunch
- 2:00 - 3:30 pm - Presentation on Process Based Design
- 3:30 - 4:30 pm - QnA session
- 4:30 - 5:00 pm - High Tea

Organizing Committee

- Prof. Chhabi Mishra**
Director, Faculty of Architecture and Design
- Jitendra Kumar Sarohi**
Associate Professor
- Vartica Saxena**
Associate Professor

About DIT University

DIT University, a flagship organisation of the Unison Group, is a leading Technical University celebrating its 20th year of excellence. University offers undergraduate, postgraduate and PhD programmes in several streams of engineering, information technology, management, computer applications, architecture and pharmacy. Geographically it is situated at Mussoorie foot hills 10 KM from Dehradun towards Mussoorie, a well known hill station of North India.

Faculty of Architecture and Design

The Faculty of Architecture at DIT University was established in 2005 to facilitate student learning and development in a highly creative environment, providing them with freedom and courage to undertake creative risks and impart knowledge and skills which shape them into competent professionals. Latest technologies, state of the art infrastructure, and an Institute sited in the lap of nature encourage the students to engage proactively with an objective of sustainable and responsible architecture. We wish to develop skilled professionals who design built environments that are ecologically sustainable and resilient; prosperous and fair; healthy and aesthetic. We perceive architectural education to be an ever evolving link connecting nature, society and technology.

The background features a complex geometric pattern of overlapping shapes in two shades of blue: a medium blue and a darker navy blue. The shapes include a large central diamond, several thick diagonal lines, and various smaller polygons and trapezoids, creating a dynamic, architectural feel.

**ORIENTATION FOR FACULTY
AND STUDENTS ON QUALITY**

TWO DAYS BAMBOO WORKSHOP SKETCHING AND RENDERING

**Resource
Person:**

Dr. Praveen Kumar

Organizing Department/Organization
School of Architecture & Design, DITU

10
No. of participants:

Date of event: 24th to 25th October 2018

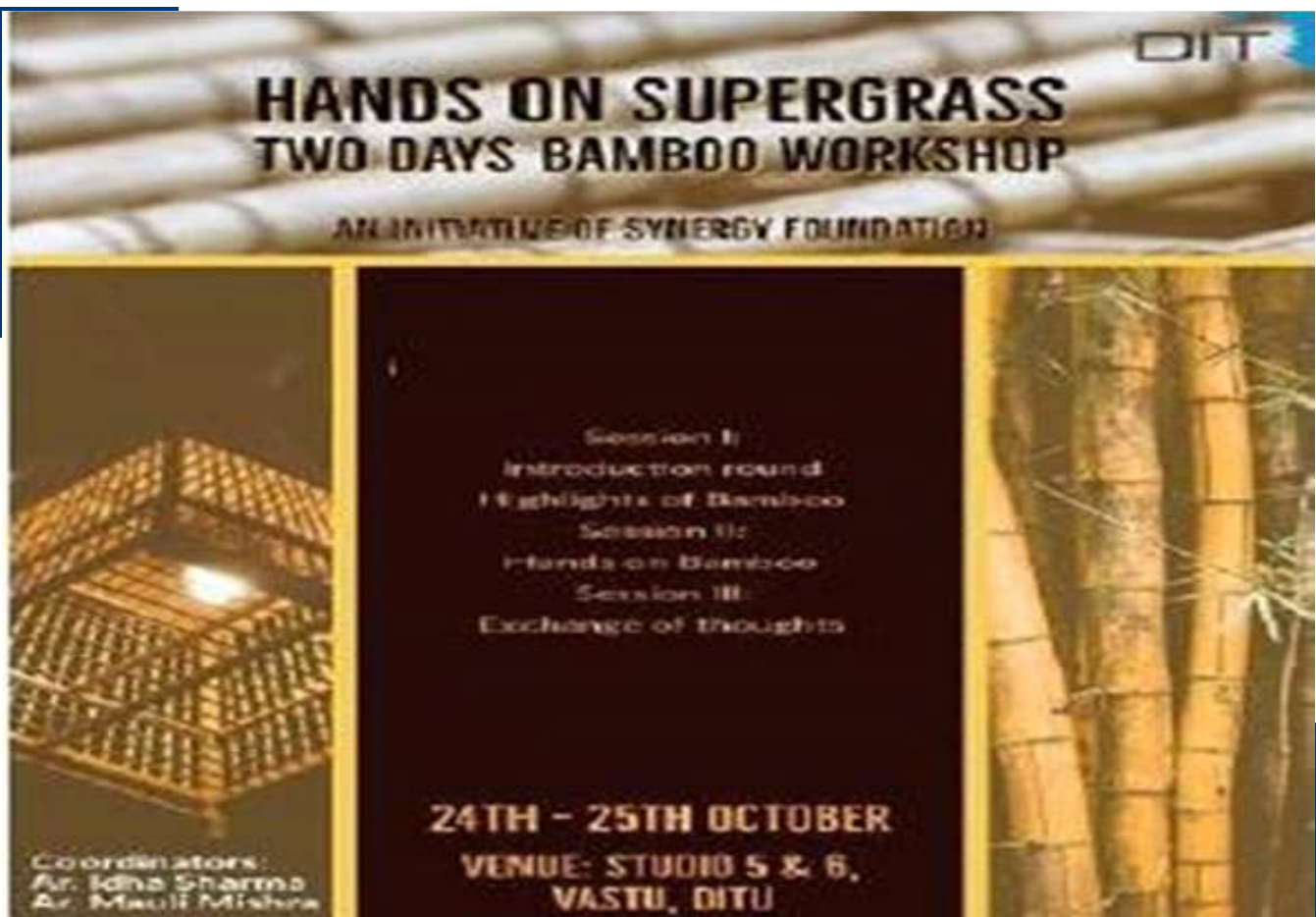
Event Report

Bamboo has very impressive structural strength and it is considered as an alternative material for sustainable building construction. The workshop is intended to provide hands on training on making various details in bamboo

- Develop an understanding of bamboo as historic material
- Assess the problems and issues associated with bamboo
- Gain introduction to some of the key approaches and techniques to the conservation of bamboo.

**Learning
Outcome**

Apart from that, the students made small prototypes of bamboo columns and other joinery used in historic buildings.



Resource

Person:

Dr. Lokesh Sharma
from Manipal
University,

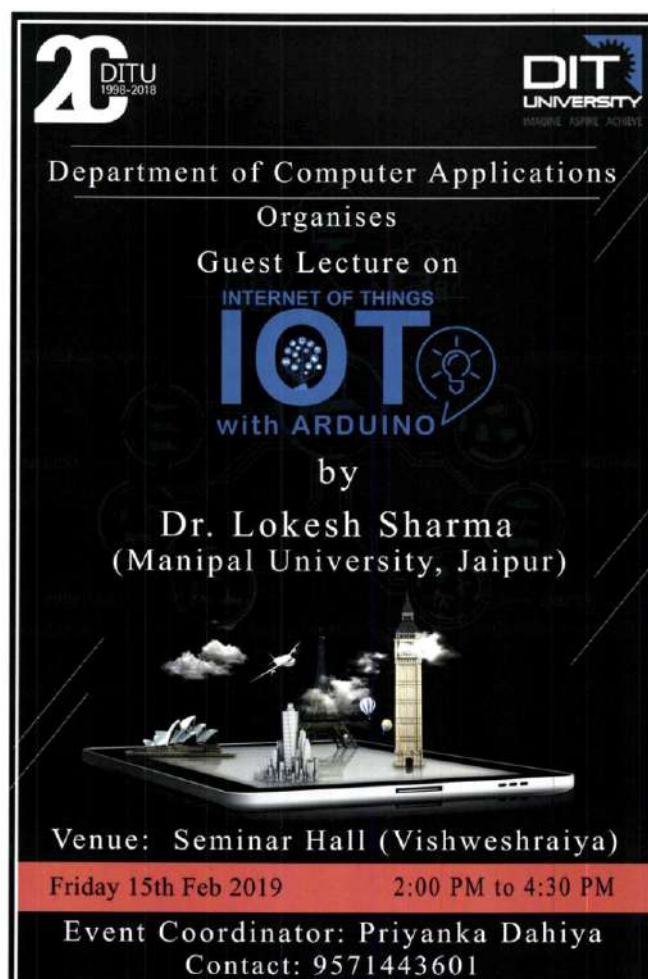
**GUEST LECTURE ON INTERNET OF
THINGS (IOT)**

Date of event: 15th Feb 2019

Organizing Department/Organization
School of Computing, DITU



When we talk about the new ventures, then Internet of Things holds a special value. To understand a global perspective better, a guest lecture by Dr. Lokesh Sharma from Manipal University was conducted on 15th February 2019. The session provided an insight on IOT with ARDUINO and was attended by 7 members in all. The objective of the session was to assess the Vision of IoT and to introduce the members with IoT. Further the session talked about the market perspective of IoT. Dr. Lokesh also talked about the ways in which data and knowledge is implemented and the usage of devices in IoT technologies. The session also helped the faculty to understand about the state of Art in Architecture, to classify real world IoT design constrains, Industrial Automation with IoT. The session helped the faculty to understand the vision of IoT from a Global context. It also helped them to compare and contrast the use of devices, gateways and data management in IoT.



DITU
1998-2018

DIT UNIVERSITY
IMAGINE. ASPIRE. ACHIEVE.

Department of Computer Applications
Organises
Guest Lecture on
INTERNET OF THINGS
IOT
with ARDUINO
by
Dr. Lokesh Sharma
(Manipal University, Jaipur)

Venue: Seminar Hall (Vishweshraiya)
Friday 15th Feb 2019 2:00 PM to 4:30 PM
Event Coordinator: Priyanka Dahiya
Contact: 9571443601

WORKSHOP ON STATISTICAL TECHNIQUES USING SOFTWARE (STUS-2019)

Organizing Department/Organization
Department of Mathematics, DITU

Date of event: 8th to 9th March 2019

Statistical data analysis plays a very vital role in every field of teaching and research. When data size is sufficiently large, it is not always easy to analyse them manually and, hence, the role of statistical soft-wares becomes essential to meet the requirement of the study. The good thing about using these soft-wares is that they provide a more conventional picture of the dataset and, also, save time and resources once we have a good knowledge of these sophisticated tools and soft-wares. A lot of opportunities arise in the medical, research, and industrial sectors as a data analyst for those who are well-furnished with statistical soft-wares. The main objective of the workshop was to make aware the researcher of statistical tools and techniques that are useful in research and academics by using statistical package R. In the workshop sessions were very interactive and helpful in improving the data handling skills and better interpretation of results. It was basically focused on “Importance of Statistics in Research”, “Descriptive Statistics using R”, “Correlation & Regression Analysis”, “Testing of Hypothesis”, “Parametric & Nonparametric tests” and “Regression Model & Neural Network using R”.



**The sessions flow of the workshop was with the following details:
 Day -1 (8th March 2019)**

	Time	Venue
Introduction to R By Dr. Hemraj Verma	9:45-10:30 am	Computer Lab (3rd fl.) Visweswaraya
Session-I By Prof. T. N. Shaw	11:45 - 1:00 pm	Computer Lab (3rd fl.) Visweswaraya
Session-II Descriptive Statistics using R By Dr. Hemraj Verma	2:00-3:00 pm	Computer Lab (3rd fl.) Visweswaraya
Session –III Practical problems using R By Dr. Praveen K. Tripathi & Dr. Nitin K. Kamboj	3:00-4:00 pm	Computer Lab (3rd fl.) Visweswaraya

Day -2 (9th March 2019)

**Report Of “Workshop” On “Statistical Techniques using Software (STUS-2019)” Organized By
 Department of Mathematics, DIT University during 8-9 March 2019**

Session –IV Statistical Inference By Dr. Nitin K. Kamboj	9:30-11:00 am	Computer Lab (3rd fl.) Visweswaraya
Session –V Practical problems using R By Dr. Praveen K. Tripathi & Dr. Nitin K. Kamboj	11:15- 1:00 pm	Computer Lab (3rd fl.) Visweswaraya
Session –VI Regression Model and Neural Network using R By Mr. Vaibhav K. Pandey	2:00-4:00 pm	Computer Lab (3rd fl.) Visweswaraya
Valedictory session	4:00-4:30 pm	Computer Lab (3rd fl.) Visweswaraya

TWO DAYS WORKSHOP ON “SUSTAINABLE DEV. IN THE FIELD OF MICROWAVE COMMUNICATION AND COMPUTING

Organizing Department/Organization

School of Computing, DITUEECE,
School of Engineering and Technology, DITU

Date of event: 5th to 6th April 2019



Workshop on “Sustainable dev. in the field of Microwave Communication and computing

Department of EECE IETE-SF organized a 2-day workshop with poster presentation “AWS-19” on “Sustainable Development in The Field of Microwave Communication and Computing” from 5th-6th April. 2019. The ceremony was started with enlightening of the lamp by Honorable VC Dr. K K Raina, PVC Dr. Brig. M Srinivasan, Dr. S.C. Gupta, Faculty of DITU and participants of AWS-19. Dr. K K Raina briefed about university, Dr. A K Gupta (HOD) encouraged the participants to utilize this software in their project. Faculty adviser Dr. Brajlata Chauhan briefed about AWS-17 that how participants can get benefited and utilized the AWS platform in their work. Dr. Sonika Singh, Dr. Arjun Muduli, Dr. Sandeep Swrankar, Mr Kuldeep Choudhary, Parul, Mr. S Bhanu and other faculty are coordinate the workshop and participants enriched with the scheduled session in workshop.

Resource Person:

Dr. Harilal
(Executive Director, KDMIPE)
& Mr. Apurva Jyoti Bora

FACULTY DEVELOPMENT PROGRAM ON ADVANCES IN EXPLORATION & DRILLING METHODS DEPARTMENT OF PETROLEUM AND ENERGY STUDIES

18
No. of participants:

Name of Collaborator
ONGC (KDMIPE/IDT)

Date of event: 20th July 2018

Dr. Harilal (Executive Director, KDMIPE) addressed the gathering about the exploration scenario in India and abroad. He further shared his experience about the geophysical data acquisition and processing along the standard practices and facilities at KDMIPE. Mr. Apurva Jyoti Bora enlightened the gathering by sharing his experience about the modern drilling practices. He further shared the various facilities along with functioning.



Events Details:

Inauguration Session	
11:00 AM	Inauguration of the event by lamp lightening.
11:10 AM	DIT Anthem
11:15 AM	Welcome to Guests and introduction of FDP by Mr. Rahul Ganju, HOD PE, DIT University
11:20 AM	Welcome address by Dr K. K. Raina, Vice Chancellor, DIT University.
11:30 AM	Welcome address by Dr S.Swaminathan, ProVice Chancellor, DIT University.
11:40 AM	Vote of Thanks by Mr. Rahul Ganju, HOD PE, DIT University
	-----HIGH TEA -----
12:00 PM	Lecture by Dr. Hari Lal, ED-HoI-KDMIPE, ONGC
	-----LUNCH BREAK-----
2:30 PM	Lecture by Mr. Apurbajyoti Bora, Chief Engineer, IDT ONGC.
4:00 PM	-----HIGH TEA -----

FACULTY DEVELOPMENT PROGRAM ON LEADERSHIP IN HIGHER EDUCATION

NAME OF COLLABORATOR : MANYA

**Resource
Person:**

Mr. Neeraj Narula

Organizing Department/Organization
School of Computing, DITU

107
No. of participants:

Start Date and End Date
13-14th June 2019

Report

Faculty Development Programme – Workshop on Leadership in Higher Education by DIT University was conducted by experts from Manya at DIT University on 13th -14th June, 2019. It was attended by 107 faculty members. The speaker was Mr. Neeraj Narula. While discussing future challenges for the universities in general, speaker highlighted that due to commercialization of the education and fierce competition, both old and new universities are going to have a tough time in maintaining academic excellence and delivering quality teaching and research. Attracting new talent (staff), developing commercial skills capabilities, changing management style to adopt with new business models, competing for students and government funds, keeping pace with new digital technologies, managing with regional and global mobility of the students and staff, building meaningful relationship with industry, and minimizing the dependence on the government funding are main future challenges of the universities, speaker argued. He also argued that any university should run in a business-like way for the sustainability and the overall growth. Google could be the major competitor to all existing universities; because, Google can have its own the 'Global University Online'. Google can run this type of university excellently due to its well-established global presence and network, speaker imparted with the participants. At the end of the session, participants were divided into small groups to discuss and debate on university's (AIMST University) survival in its current business model and the mode of operation. The education industry is rapidly evolving at national, regional and global level, hence, each university need to accommodate inevitable change. In this context, need to incorporate e-learning in university's organizational structure and need to develop e-learning professionals was quoted as examples by the Speaker



**Resource
Person:**

Mr.Veda Palli Mruthunjay

**FACULTY DEVELOPMENT PROGRAMME ON ARTIFICIAL
INTELLIGENCE & BUSINESS ANALYTICS**

Start Date and End Date
21st June 2019

36
No. of participants:

Name of Collaborator : cognizant

Report

Faculty Development Programme – Workshop on Artificial Intelligence & Business Analytics was conducted by experts from cognizant at DIT University on 21st June, 2019. It was attended by 36 faculty members. The trainer for the session was Mr.Veda Palli Mruthunjay, from Cognizant It was an informative session. Mr. Palli asked participants when should AI be started in colleges. As various answers poured in, he suggested that the theory and practical knowledge of AI are like the two sides of a coin and need to be managed in a judicious manner. He explained that ‘safety’ is a big issue with AI as it has been with every invention, be it fire or electricity. There are dangers involved with the advent of AI but with the advancement in technology happening at an exponential pace in the recent times, we need to be well equipped to meet the challenges. He gave a comprehensive historical background about the advancement of AI over the years. He quoted Dr. Andrew Ng, ‘AI is the new electricity’. As with all emerging technological trends, some elements of AI are hyped, while some are ahead of their times. Advancements in AI stand to benefit the energy sector but come with their own limitations and practical concerns.



Session on Artificial Intelligence & Business Analytics- 21st June, 2019

SWARAJ WORKSHOP ON SUSTAINABLE ARCHITECTURE

Resource Person:

Mr. Gaurav Shorey
and Ms. Aparna Pathak

Organizing Department/Organization
School of Computing, DITU

10
No. of participants:

Date of event: 24th oct 2018



To keep pace with the modern ways of architecture a Swaraj workshop was conducted on sustainable Architecture hosted by the Architecture Department of DIT University on 24th October 2018. A total of 10 members attended the session. The session was addressed by Mr. Gaurav Shorey and Ms. Aparna Pathak. The session focused on the ways to present the idea of sustainability or ecological design. They discussed about the ways to minimize the negative environmental impact of buildings by efficiency and moderation in the use of materials. Another major objective of the session was to develop an understanding of site and building orientation's effects on a building's HVAC efficiency. The session helped the faculty to consider the idea of engaging a sustainable building consultant in the early design process. They got aware of the norms and standards that have been formalized by performance based rating system.

WORKSHOP ON ADVANCED SYNTHESIS AND CHARACTERIZATION TECHNIQUES: SUCCESS AND SCOPE

Date of event: 9th March 2019

45
No. of participants:

Organizing Department/Organization
School of Architecture & Design, DITU

Resource Person:

Dr. Chandra Prakash, DRDO, Dr. Satyendra Kumar, Saurya Entertech,
Dr. Puneet Sharma, Thapar University, Prof. Santanu, IISER Mohali,
Dr. Wahadat Ullah, MNIT Jaipur



The workshop was organized to aware students and faculty members with the various synthesis and characterization techniques used for research in the area of experimental physics, chemistry, electronics etc. The workshop was started with the talk by Prof. Chandra Prakash, Former Scientist-G, SSPL, DRDO on “Power of Physics”, the other

talks were delivered by Dr. Puneet Sharma, Thapar University on “Magnetic nanomaterials and their characterization”, Dr. Satyendra Kumar, CEO, Saurya Enertech, Dr. Wahadat Ullah, MNIT Jaipur on “Transmission Electron Microscopy”, Prof. Santanu, IISER Mohali. This lecture gave insight about the multi-disciplinary research and opened up about the opportunity in the research and science.



WORKSHOP ON "ALIGNING EMPLOYEE ASPIRATIONS WITH ORGANIZATION GOALS

**Resource
Person:**
Dr. Hemraj Verma

Organizing Department/Organization
School of Computing, DITU

Date of event: 12th June 2019

Every organization understands the importance of setting goals, but the simple act of creating benchmarks is selling their impact short. It's imperative to create goals that align all employees to team and organizational goals. Everyone should be working to achieve the organization's overall strategy, and aligning goals gets everyone on the same page and pushing in the same direction. Aligned goals create a familial atmosphere where everyone works together and understands their role. It is in this context, the Management Department of DIT University organized a one day Workshop on "Aligning Employee Aspirations with Organization Goals". The session was conducted by Dr Hemraj Verma. Here are the main topics covered to aligning organization top to bottom which was discussed in the session: 1. Goals set the tone for your organizational strategy. 2. Employees get a sense of how their contributions are building toward team and organizational goals. 3. Priorities are clarified. 4. Aligned goals connect employees and teams.





DIT University

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