

A REPORT OF ONE WEEK FACULTY DEVELOPMENT PROGRAM ON SOFTWARE ARCHITECTURE

The M. B. E. Society's College of Engineering, Ambajogai has organized one week faculty development program from 13 April 2018 to 17 April 2018 on "SOFTWARE ARCHITECTURE" in association with Dr. Babasaheb Ambedkar Technological University, Lonere and sponsored by TEQIP-III.

The inaugural program was commenced on 13/04/2018, at 10.30 AM by College presentation and Welcome speech by Dr. B. I. Khadakhbavi, Principal of College of Engineering, Ambajogai and facilitation to chief guest, guest of honors and coordinators of the program.



Hon. Principal Dr. B. I. Khadakhbavi of college of Engineering Ambajogai welcomes Chief Guest and participants

(From left: Dr. B. M. Patil, Dr. A. W. Kiwelekar, Shri Ajit Borade, Prof. P. A. Kulkarni)



Dr. B. I. Khadakhbavi welcomes Chief Guest Shri. Ajit Borade.

DAY 1

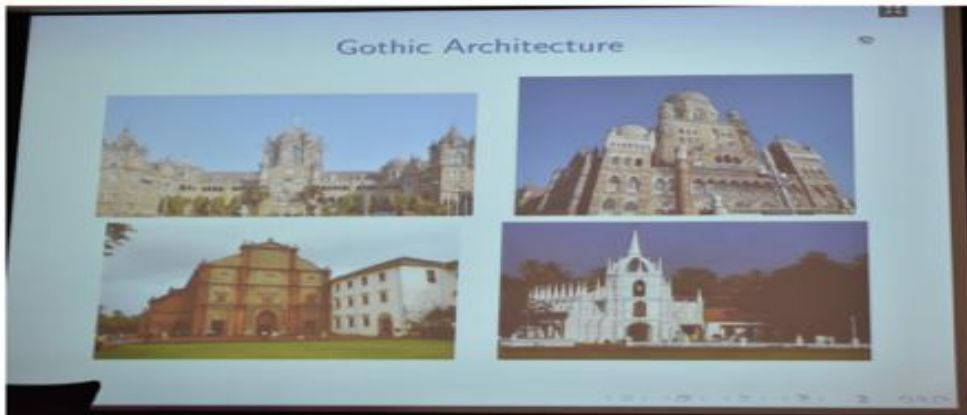
Presentation on software architecture and UML Modeling by Dr. A. W. Kiwelekar, Guest Speaker and Coordinator, DBATU, Lonere.



DAY 2

Presentation by Dr. A. W. Kiwelekar, Guest Speaker, DBATU, Lonere on

- Quality Attributes and Requirement
- Documenting Software Architecture
- Pattern Oriented Software Architecture
- Component and Connector Modelling



DAY 3

Felicitation to guest speakers Dr. Pravin Pawar, Dr. Brijesh Iyer and Dr. Girish Choudhary by Dr. B. I. Khadakhbavi, Principal of College of Engineering, Ambajogai and Introduction of guest speakers by Dr. A. W. Kiwelekar, Coordinator, DBATU, Lonere



DAY 4

Felicitation to guest speakers Mr. Ravikumar Shastry by Dr. B. I. Khadakhbavi, Principal of College of Engineering, Ambajogai and Dr. A. W. Kiwelekar introduces Guest Speaker Mr. Ravikumar Shastry who delivered presentation on "Agile technology, TDD"



DAY 5

Presentation by A. W. Kiwelekar on Software Architecture



Valedictory Function

The Valedictory Function was conducted on 17/04/2018, on this occasion Dr. Birajdar invited as chief guest, and Dr. B. I. Khadakhavi Principal COE Ambajogai, Dr. A. W. Kiwelekar FDP Coordinator, Dr. Brijesh Iyer, Prof. P. A. Kulkarni, Dr. B. M. Patil were present, Certificates awarded to the participants and staff. The Participants shared their views regarding FDP program.



Report of
**One Week Faculty Development Program on
“Product design Engineering- Computer”**

TEQIP-III Sponsored
Dr. Babasaheb Ambedkar Technological University, Lonere

A One week Faculty development program On “Product Design Engineering - Computer” was successfully conducted in the CSMSS, Chh. Shahu College of Engineering, Kanchanwadi, Aurangabad on 12th – 16th Oct 2018 by Department of Computer Science & Engineering in association with Department of Computer Science & Engineering, Dr. Babasaheb Ambedkar Technological University, Lonere.

In this one week FDP participant have gain the knowledge and experience to begin with product design, Modeling, drawing using tools including Autodesk Inventor, Fusion360, etc.

Objectives:

- ✓ Manage the structure of the design using components.
- ✓ Connect components together to replicate the real-world model.
- ✓ Test mechanisms to see the effects of their actuation on the individual components.
- ✓ Use advanced control of joints.
- ✓ Apply connections between joints to model complex mechanisms.

Course Contents:

- ✓ Getting started with Autodesk Inventor
- ✓ Introduction to Part, assembly and drawing Modeling
- ✓ Getting started with Autodesk Fusion360
- ✓ Drawing
- ✓ Evaluation test, mini project

Date wise brief Report FDP program is given below:

Date: 12th Oct 2018 (First Day)

Inaugural Session

The program was inaugurated in the morning at conference hall on 12th Oct 2018 by hands of Dr. V.G. Gaikar (Vice-Chancellor, Dr. BATU, Lonere) through Video Conferencing, Dr. L. D. Netak (Coordinator FDP-DBATU, Lonere), Mr. Anil Chavan (Subject matter expert, Vonsys Autodesk, Pune), Mr. Rishikesh Sawant (Designer Engineer, Centre head, Milestone Institute of Technology, Dadar, Mumbai), Dr. U.B. Shinde (Principal, CSMSS, CSCOE, Aurangabad), Dr. N. G. Patil (Principal, MIT(E), Aurangabad), Dr. R.S.Pawar (Principal, SYCET, Aurangabad), and Dr. S.P. Abhang(HOD, Coordinator FDP-CSMSS, Aurangabad).



FDP Banner



Felicitaton of Dr. L. D. Netak



Felicitaton of Mr. Anil Chavan

Felicitaton of Mr. Rishikesh Sawant

Photographs: Day One

In inaugural speech Hon. Dr. V. G. Gaikar shared his views with faculty participants that if faculty wants to develop themselves and their students, then attending such faculty development program would enhance their skills of teaching concepts practically.



Addressing by Hon. Dr. V. G. Gaikar



Addressing by Hon. Dr. L. D. Netak

Hon. Dr. V. G. Gaikar Sir further shared that it helps to improve the performance of faculty in teaching and highlighted the importance and objectives of organizing faculty development programs. He briefed the participants about the subjects chosen for the FDP and highlighted the reasons and importance of the same.

Hon. Dr. V. G. Gaikar ask every participants to think about a product and try to implement it as the outcome of this faculty development program.

Afternoon Session

In the second session, resource person Mr. Rishikesh Sawant and Mr. Anil Chavan started his discussion with Autodesk Inventor and user interface of it. In the practical hands on session they have brought the concepts like creating 2D sketches, constraining the sketched and have sample exercise on sketching.

Date: 13th Oct 2018 (Second Day)

On the second day, Mr. Sameer Oak and Mr. Akshay Kokil was the resource person and they have started their discussion on what is product design engineering and the methodology of the product development in details irrespective of the engineering branch.

After the post lunch session, resource person Mr. Rishikesh Sawant and Mr. Anil Chavan focused on introduction to part, assembly and drawing modeling with the theory and hands on session by having exercises on part Modeling and drawing generation.



*Hands-on practice by Participant
Photographs: Day Two*

Date: 14th Oct 2018 (Third Day)

On the Third day, Mr. Rishikesh Sawant and Mr. Anil Chavan started their session with Autodesk Fusion 360 and understanding the user interface of it. The main objective of this session was to introduce the participants to Fusion 360 and implementing the parts and sketches, creating Extrude, creating Revolve, Creating Holes and Threads, Editing parametric Parts and understating the assembly constraints.



Hands-on practice by Participant

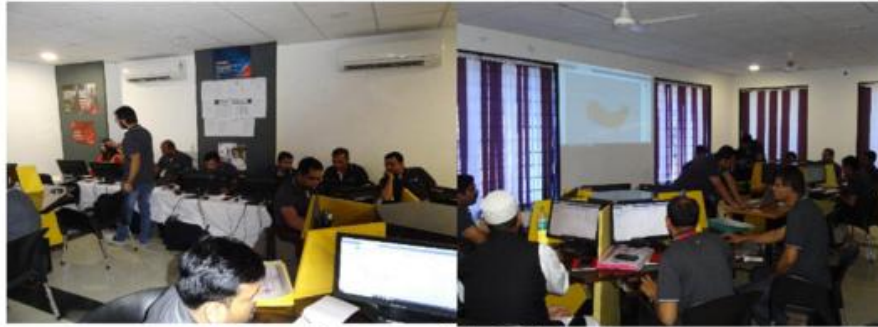


*Field Visit of Participant to Paithan
Photographs: Day Third*

In afternoon session, participants visited the Paithan located 56 kms from Aurangabad. Participants have visited the "Nathsagar" jayakwadi damp, Sant Dnyaneshwar Udyanat, Nath temple in the Paithan city and return back to the college.

Date: 15th Oct 2018 (Fourth Day)

On the Fourth day, Mr. Rishikesh Sawant and Mr. Anil Chavan started session on Drawing. They have discussed the concepts including drawing Dimensioning, drawing generation, Rendering, etc.



Hands-on practice by Participant



*Session photograph: Mr. pujari
Photographs: Day Forth*

In further session Mr. Pujari from Autodesk have interacted with participants and share the information about the online training facility, certification from Autodesk and future opportunities to the students and faculty members by learning these tools.

Date: 16th Oct 2018 (Fifth Day)

On the Fifth day, felicitation of Dr. A. W. Kiwelekar, HOD Computer Science & Engineering Department, Dr. BATU, Lonere by Dr. S.P. Abhang HOD CSE, CSMSS, CSCOE, Aurangabad.



Felicitation of Dr. A. W. Kiwelekar



Discussion of participants with Dr. A. W. Kiwelekar and Dr. S. B. Deosarkar

Photographs: Day Fifth

Dr. A. W. Kiwelekar and Dr. S. B. Deosarkar have the discussion with the participants on the points including the opportunities to the faculty and institutions for project development, conducting FDP, fund from TEQIP, project plan of TEQIP, etc.

They also discussed on the syllabus of subject Product Design Engineering and ask the views of faculties about teaching, implementing the subject in next semester.

In post lunch session valedictory function was conducted with dignitaries Dr. S. B. Deosarkar (Project Director, TEQIP-III, Dr. BATU, Lonere), Dr. A. W. Kiwelekar(FDC Coordinator, Dr. BATU, Lonere), Dr. L. D. Netak (Coordinator FDP, Dr. BATU, Lonere), Dr. Ajit Wadekar (Principal, PESCOE, Aurangabad), Dr. U. B. Shinde(Principal, CSMSS CSCOE, Aurangabad), Mr. Pujari (Autodesk, Pune).

Certificate distribution was done with the hands of dignitaries to all participants and vote of thanks was presented by Prof. V. U. Gaikwad.

The valedictory function ends with the group photograph of participants with all dignitaries.



Felicitaton of Dr. S. B. Deosarkar

Felicitaton of Dr. A. W. Kiwelekar



Felicitaton of Dr. A. B. Nandgaonkar

Felicitaton of Mr. Pujari



Certificate distribution

Photographs: Day Fifth

Group Photograph



LIST OF PARTICIPANTS

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40				

Dr. S. P. Ashang
 (Coordinator)
 Dr. BATU, Lonere

Dr. S. P. Ashang
 (Coordinator)
 CONSOLE, ABRANGABAD

JD College of Engineering & Management, Nagpur

Faculty Development program

On

Product Design Engineering

23rd to 27th November 2018

Report

JD college of Engineering and Management organized faculty development program on Product Design Engineering which was sponsored by Dr. Babasaheb Ambedkar Technological University under PMMMNTT and TEQIP III. Around 25 participants from outside and 25 from host organisation were participated. Main objective of the event was to inbuilt concept for development of any kind of components / product / A.I / Electronics gadgets etc. to the students from second year onwards for all branches.

Day one, 23rd November 2018

Inauguration function was conducted at 11:00 am by the hands of Hon. Vice Chancellor Dr. V.G. Gaikar, Mr. Anand Pillai from AutoDesk and Hon. Director of JES Dr. P.B. Maheshwari, Principal Dr. S.R. Chaudhari JDCEOEM, Dr. A.W. Kiwelekar FDP coordinator (DBATU) were prominently present on the dais.

During key note address Hon. Vice Chancellor spoke about concept of product design, Principal Dr. S.R. Chaudhari gave brief introduction about FDP, Hon. Director Dr. P.B. Maheshwari gave brief introduction about Jay Dev Education Society (JES). Prof. B.R. Mahajan coordinator FDP propose vote of thanks.

First session: Hon. V.C. Dr. V.G.Gaikar. taught the Product Design by using activity base learning methodology.

Second session: Different commands used in inventor software were explained by Anil Chauhan from AutoDesk.

Third session: Dr. A.V. Kale from YCCE was the key note speaker on design aspect using best fit method for initial stages of development for any kind of product was the main theme of his address.

Day Two, 24th November 2018

First session: Mr. Anil Kumar Laddha from JACOB Engineering, Mumbai was a resource person during the session. Role of engineers at different stages for product design / plant design also expectation of Industry from a fresh engineering graduates were the highlights of the session.

Second session: Lab session by AutoDesk using different command of inventor, making simple mechanical objects and assembly were performed and hands on practice was carried out by Mr. Anil Chauhan, AutoDesk

Day Three, 25th November 2018

First session: Dr. S.S. Khandare Ex. Principal B.D. College of Engg. Wardha. His topic was system analysis and Data base management usefulness in product development from raw to final stage of product was the main theme of discussion.

Second session: Lab session from AutoDesk using different commands on Fusion 360, development of 2D & 3D object were explain by Mr. Rushikesh Sawant form Auto Desk.

Day four, 26th November 2018

First session: Dr. Abhay Kumar Kuthe, Prof. VNIT, Nagpur. New tools and methods use for product design and case study on application of rapid prototyping in biomedical engineering was the main theme of the discussion.

Second session: Lab session by Auto Desk. Hands on practice session on Fusion 360 for simple assembly were conducted at Virtual lab by Mr. Rushikesh Sawant.

Day Five, 27th November 2018

First session: Test session multiple choice questions (MCQ) were carried out by Auto Desk on inventor and Fusion 360.

Second session: Mr. Dinesh Panigrahi from NASSCOM, Expectations of sector skill council for design and development of any product was the theme of the session.

Third session: Dr. S.B. Deosarkar, Prof. & Head EnTC & TEQIP III coordinator DBATU. Methodology adopted for design of product (electronic gadgets) was the highlighted feature of the session.

Forth session: Valedictory function, felicitation of Dr. S.B. Deosarkar, faculty feedbacks by three different institutes shared their views. Coordinator Prof. B.R. Mahajan put up 5 days report. Principal Dr. S.R. Chaudhari made concluding remarks. Hom. Director Dr. P.B. Maheshwari spoke about improvement of FDP and role of teachers to society, also proposed the vote of thanks followed by National Anthem.

JD College of Engineering & Management, Nagpur
Faculty Development Program on Product Design Engineering
Dr. Babasaheb Ambedkar Technological University, Lonere
Sponsored by
Under TEQIP/PNMM/MT/Autodesk

Attendance Sheet
23rd to 27th November 2018

Sr. No.	Full Name	Date	23 - I	23 - II	24 - I	24 - II	25 - I	25 - II	26 - I	26 - II	27 - I	27 - II
1	G B Alaspure		Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
2	Mohan Madhukarrao Aswale		Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
3	Dinesh Anu Yelure		Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
4	Dharmesh Ashok Ajjawal		Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
5	Hr. Falal Hussain		Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
6	Mr. Anand Balakrishna Toley		Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
7	Mr. Owais S. Khan		Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
8	Dipal Theng		Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
9	Mr. Hemant M. Bansod		Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
10	Hemant K. Balube		Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
11	Prashant Umbarkar		Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
12	Pravin M. Guria		Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
13	SACHIN TULARAM BAGDE		Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
14	Rohit B. Sharma		Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
15	Abdul ghafar		Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
16	Nilesh Rambhauji Patil		Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
17	Pratanna Lohre		Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
18	Aysha Anand Ingole		Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
19	Mirza Moz Bazig		Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
20	Vaibhav Pandurang Choudhan		Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
21	Aniket Vijaykumar Bhoysar		Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
22	Nilesh Ashokkumar Mohoda		Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
23	Bhushan Deshmukh		Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
24	Chetan Jankunha Choudhari		Present	Present	Present	Present	Present	Present	Present	Present	Present	Present

Sr. No.	Full Name	Date	23 - I	23 - II	24 - I	24 - II	25 - I	25 - II	26 - I	26 - II	27 - I	27 - II
25	Tushar raut											
26	M. Sohail Perver											
27	prashant Dnyaneshwar bhawane											
28	Rameshwar Dnyaneshwar bhawane											
29	Mamlesh K. Assudani											
30	Ankush A. Desaiant											
31	Abhije Sudamrao Gathne											
32	Rajesh Dnyaneshwarrao Thakre											
33	Amit R. Walekar											
34	Gayatri Padole											
35	Amit Khandare											
36	Mohan Pedurkar											
37	Sachin Gajbhiye											
38	Manohar Chavhanik											
39	Rohit Hingre											
40	Deepal Dikhe											
41	N.M. Gyaneshwarrao											
42	Nisha Dohre											
43	Rohit M. Patre											
44	Gaurav P. Modak											
45	Pankaj P. Bhise											
46	Bilal Abdulwahab Bhai											
47	Suhus A. Patil											
48	Nirav G. Anandkar											
49	Siddhant Ghosh											
50	Pankaj Karthe											
51	Kusum G. Bawane											
52	Nafees P. Khan											
53	M. Sharadburdhan											

Ashish Kataria

22/1/23

Sr. No.	Full Name	Date	23-1	23-11	24-1	24-11	25-1	25-11	26-1	26-11	27-1	27-11
54	Hafizuddin Hussain											
55	Anil S. Samrite											
56	M.M. Asim											
57	M.D. Naushad Alam											
58	B. Syed A.M											
59	Shahid Hussain											
60	L. Prithi Bhanu											
61	Sy. M. Nizam											
62	Sauve. Nizam											
63	Leena Khatun											
64	Atish Bekhalwan											
65	Shahid Hussain											
66	Uday Khanter											
67	Adil. Saha											
68	Taibey Guaman											
69	Kushal Yadav											
70	Imran S. Khan											
71	Kadhim Indrawan											
72	Prasun Ghogal											
73	Pratiksha Barchhai											
74	R.P. Hoff											
75	Shadi Kaul											
76	Sonal Zinke											
77	Pratyak Ulla											
78	Rihal mune											
79	Ashok Yadav											
80	Mansur Haque											
81	Manoj Tille											
82	Shahid Hussain											



**Jaidev Education Society's
J D College of Engineering & Management, Katol Road, Nagpur
Session 2018 – 19**

॥ तमसो मा ज्योतिर्गमय ॥

Day one, 23rd November 2018



Inauguration Of FDP



Class Room Session

Day Two, 24th November 2018



Day Three, 25th November 2018



Day Forth, 26th November 2018





Valedictory function Day Fifth, 27th November 2018



Participant's feedback



REPORT

Date :- 11/12/2018

Subject :- Faculty Development Programme on Product Design Engineering, 07-11 Dec. 2018.

A five days Faculty Development Programme on Product Design Engineering, is organized during 07-11 Dec. 2018 at Shri Sant Gadge Baba College of Engineering and Technology, Bhusawal in the collaboration with AUTODESK. The FDP is organized under the national scheme of 'Pandit Madan Mohan Malviya National Mission on Teachers Training (PMMNMTT) and TEQIP-III and sponsored by Dr. Babasaheb Ambedkar Technological University, Lonere, Maharashtra.

This initiative is taken with an objective to train the faculties of the affiliated colleges of DBATU, Lonere in the field of Product Design Engineering which is mandatory for all the engineering students as per AICTE norms. The Course Curriculum and Contents were designed in consultation with AUTODESK in line with NASSCOM.

There was overwhelming response to participate in the programme by the faculty members of various engineering colleges. There was total number of 54 participants. Participants were trained through 20 hand-on-practices on various aspects of Product Design using the AUTODESK Softwares such as Inventor and Fusion-360.

The programme was inaugurated on 07th December 2018, at Shri Sant Gadge Baba College of Engineering and Technology, Bhusawal in the august presence of Dr. R.P. Singh, Principal, SSGBCOET, Bhusawal, Dr. S.B. Deosarkar, IPD, TEQIP-III. Dr. Rahul B. Barjibhe, Dean-Academics & Administration, SSGBCOET, Bhusawal, Dr. Neeraj Agrawal, Co-ordinator, PMMNMTT, DBATU, Lonere were also present for the inauguration. Dr. Deosarkar had delivered inaugural address and talked about the need of the such initiatives. Dr. Agrawal has given the overview of the importance of Product Design.

The Programme was quite meticulously planned and organized by the Co-ordinators Dr. Barjibhe, SSGBCOET, Bhusawal and Dr. Agrawal, DBATU, Lonere. Mr. Sanjay Waikar, DBATU, Lonere was also deputed to look after the said FDP arrangement.

We extend our sincere thanks to Dr. V .G. Gaikar, Hon. Vice-chancellor, DBATU, Lonere for his valuable guidance and moral support.

Thanks are also to Dr. Kiwelekar, FDC Coordinator, PMMNMTT, DBATU, Lonere and Dr. S.B. Deosarkar, IPD, TEQIP III for their help and all support including finance.

Photograph of faculty Development Program on Product Design
From 07/12/2018 to 11/12/2018
At

Shri Sant Gadge Baba College of Engineering Hhosawal



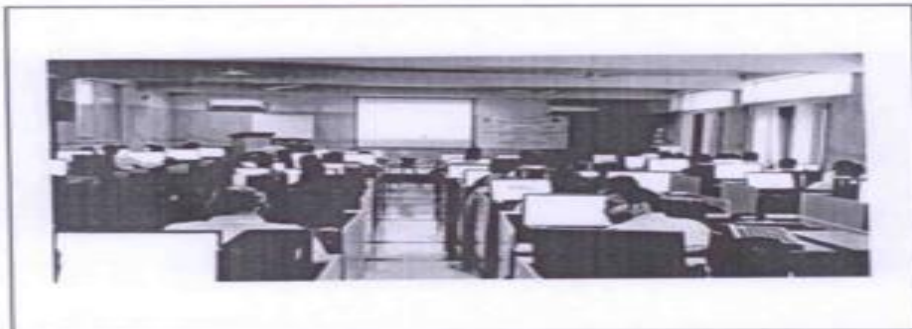
Photograph of faculty Development Program on Product Design
From 07/12/2018 to 11/12/2018
At

Shri Sant Gadge Baba College of Engineering Hhosawal



Photograph of faculty Development Program on Product Design
From 07/12/2018 to 11/12/2018

At
Shri Sant Gadge Baba College of Engineering Bhusawal



Photograph of faculty Development Program on Product Design
From 07/12/2018 to 11/12/2018

At
Shri Sant Gadge Baba College of Engineering Bhusawal



**Photograph of faculty Development Program on Product Design
From 07/12/2018 to 11/12/2018
At
Shri Sant Gadge Baba College of Engineering Bhusawal**



**SHRI SANT GADGE BABA
COLLEGE OF ENGINEERING & TECHNOLOGY, BHUSAWAL**

**Faculty Development Programme on Product Design Engineering
(07 to 11 December 2018)**

Schedule for all days

Breakfast 8:30 am to 9:15 am	
Session-I	9:15 am to 10:45 am
Tea-Break 10:45 am to 11:00 am	
Session-II	11:00 am to 12:30 pm
Lunch-Break 12:30 pm to 1:30 pm	
Session-III	1:30 pm to 3:00 pm
Tea-Break 3:00 pm to 3:15 pm	
Session-IV	3:15 pm to 5:30 pm

Sanjay
-1

**SRI SANSI GADGE BABA
COLLEGE OF ENGINEERING & TECHNOLOGY, BHUSAWAL**

Attendance details of Faculty Development Programme on Product Design Engineering
Day - 1

Date 7/10/18

Sr. No.	Full Name	Name & Address of the Institute	Session 1	Session 2
1	ARVIND	BATU	- Not Reported -	
2	LOMESH SHASHIKANT MAHALAN	RCPTI SHIRPUR		
3	HRUSHAN RAJENDRA NANDWALKAR	SVKM'S INSTITUTE OF TECHNOLOGY DHULE		
4	LOMESH S MAHAJAN	R C PATEL INSTITUTE OF TECHNOLOGY, SHIRPUR	← double Duty →	
5	NILESH ARUN PATIL	R C PATEL INSTITUTE OF TECHNOLOGY SHIRPUR		
6	MANOJ DAMODAR SALUNKE	K.C.E. SOCIETY'S COLLEGE OF ENGINEERING & IT JALGAON	- Not Reported -	
7	YOGESH R YAYADE	MGMS INEC AURANGABAD	- Not Reported -	
8	DANGE SWAPNIL SURESH	GP'S GODAVARI COLLEGE OF ENGINEERING JALGAON		
9	KESHI SURIYABHAN SARODE	L.T. MAHAJAN COLLEGE OF ENGINEERING, FAZPUR		
10	ANKUSH RAJARAM PATIL	D.N.PATEL COE, SHAHADA		
11	THOMBARI PRAKASH PRALHAD	J T MAHAJAN COLLEGE OF ENGG. FAZPUR	- Not Reported -	
12	DHIRAJ GANESH PATIL	SSGBCOET BHUSAWAL		
13	PANKAJ RANGARAO PATIL	D.N.PATEL COLLEGE OF ENGINEERING SHAHADA		
14	MOHAMMED JUNEEDUDDIN	SVKM'S INSTITUTE OF TECHNOLOGY, DHULE		
15	ASHUTAK P. KHAN	D.N.PATEL COLLEGE OF ENGINEERING SHAHADA		
16	ABHIT PRALHAD INGALE	SSGBCOET BHUSAWAL		
17	NILESH SURESH WANI	SSGBCOET BHUSAWAL		
18	KARJARE YADNYESH YASHAWANT	SOPE, DR.BATIL LONERE, AT/POST-VIDHYAVIHAR, TAL-MANGAON, DIST-RAIGAD, MAHARASHTRA	- Not Reported -	
19	HEMANT N. RANDHIR	RCPTI SHIRPUR		
20	YOGENDRA ONKAR PATIL	D N PATEL COLLEGE OF ENGINEERING SHAHADA	- Not Reported -	
	PATIL SANJAY PURUSHOTTAM	DNP COE SHAHADA		
	DR VIJAYKUMAR MADHUSIKAR WANKHEDE	GODAVARI COLLEGE OF ENGINEERING	- Not Reported -	

21	HEMANT TUKARAM INGALE	GODAVARI COLLEGE OF ENGINEERING	- Not Reported -	
22	JITENDRA RAMCHANDRA CHAUDHARI	SSGB COST BHUSAWAL		
23	GIRISH PRAKASH BHOLE	SSGBCOET BHUSAWAL		
24	VIKAS PATIL	SSGBCOET BHUSAWAL		
25	ANIL DAYARAM CHAVAN	SSGBCOET BHUSAWAL		
26	YOGESH BALU PATIL	SSGBCOET BHUSAWAL		
27	SHAIKENDRA SAKHARAM WANI	SSGBCOET BHUSAWAL		
28	SIDDHARTH TATYABHAU KEDARE	SSGBCOET BHUSAWAL		
29	CHETAN NAMDED PATIL	SSGBCOET BHUSAWAL		
30	DIPAK DADLAT RARI	SSGBCOET BHUSAWAL		
31	CHITTARANJAN BHADWAT PATIL	SSGBCOET BHUSAWAL		
32	AMOL SATHAWANE	SSGBCOET BHUSAWAL		
33	MANOJ PANDURANG BADGUSAR	SSGBCOET BHUSAWAL		
34	HRUSHALI CHANDRANANT TAYADE	GODAVARI COLLEGE OF ENGINEERING JALGAON		
35	ANILKUMAR DELICHLAND YESHWAKARMA	GODAVARI COLLEGE OF ENGG JALGAON		
36	JAYESH MAHAJAN	SSGBCOET BHUSAWAL		
37	GIRISH H SONAWANE	SSGBCOET BHUSAWAL		
38	SOHAN RAJENDRA KOLHE	SSGBCOET BHUSAWAL		
39	SULESHA MANOJ SHINDE	SSGBCOET BHUSAWAL		
40	GAJANAN UTTAM PATIL	SSGBCOET BHUSAWAL		
41	VIPIN SURESHRAO PATIL	SSGBCOET BHUSAWAL		
42	NILESH GEORGE NIRMAL	SSGBCOET BHUSAWAL		
43	DR.SHRIRANT ILHAS CHAUDHARI	SSGBCOET BHUSAWAL		
44	PRASHANTKUMAR S BALAI	JAMNER ROAD,		
45	PANKAJ	SSGBCOET BHUSAWAL		
46	GANESH BABURAO CHAVAN	GODAVARI COLLEGE OF ENGINEERING JALGAON		
47	CHAUDHARI MOHINI SHAHAD	J. T. M. C. O. E. FAZPUR	- Not Reported -	
48	AVINASH V PATIL	SSGBCOET BHUSAWAL		

**Report on
Faculty Development Programme
On
Product Design Engineering
at
Dr. Babasaheb Ambedkar Technological University, Lonere**



Day 1: Inauguration Ceremony

Inauguration Session:

The esteemed personality present on the inauguration of the programme are Hon. Vice Chancellor Dr. Vilas Guikar, Registrar Dr. S. Bhamare, TEQIP-III Institute Director Dr. S. B. Desai, Dr. V. B. Nikam, Dr. P. K. Katti, FDC Coordinator Dr. A. W. Kiwelekar, Coordinator Mudigonda Sadaiah, Dr. B. R. Iyyer, and the Autodesk master trainers Mr. Anand Pujari and Mr. Rajesh Yadav.

Dr. A. W. Kiwelekar, Director of PMMMNMTT welcomed all the respected dignitaries and participants. Hon. Vice Chancellor emphasised benefits of organising such activities.

Day 1: Session 1 (Date: 28 / 10 / 2018)



Day 1: Session conducted by Mr. Anand Pujari

First session of the "Product Design Engineering" conducted by Mr. Anand Pujari. He had given the brief introduction to the topic on Product Design Engineering. He also gave various application comes under the "Product Design Engineering"

Day 1: Session 2 (Date: 28 / 10 / 2018)



Day 1: Session conducted by Mr. Anand Pujari

Anand explained Autodesk Inventor UI introduction, Introduction to sketching, Sketch Constraints, Sketch Dimensions. In this session participants learned how to design the various models or sketching exercise using the software. Mr. Anand Pujari took hands on the Autodesk Product "Autodesk Inventor 2019".

Day 2: Session 1 (Date: 29 / 10 / 2018)



Day 1: Session conducted by Mr. Anand Pujari

On the First session of Day Two was given by Mr. Anand Pujari. In this session, Anand discussed Introduction to part modelling, sketch, Extrude, Revolve, Hole, Fillet/Chamfer, Pattern and Mirror.

Day 2: Session 2 (Date: 29 / 10 / 2018)



Day 2: Session conducted by Mr. Anand Pujari

Participants drew various models on the Part Modelling using Autodesk Inventor 2019. They also learned Assembly Modelling, Assembly constraints, Drawing Generation, Drawing Dimensioning and exercise on the above mentioned topics.

Day 3: Session 1 (Date: 30 / 10 / 2018)



Day 3: Session conducted by Mr. Rajesh Yadav



Day 3: Session conducted by Mr. Rajesh Yadav

Mr. Rajesh Yadav started a First Session of Day Third on the another product of Autodesk i.e. "Autodesk Fusion 360". Participants learned use of Autodesk Fusion 360, introduction to sketching and also practise on the Fusion 360.

Day 3: Session 2 (Date: 30 / 10 / 2018)



Day 3: Session conducted by Mr. Rajesh Yadav

In the second session of day third, Mr. Rajesh Yadav took the concept of Part Modelling. In this, he explained sketch, extrude, revolve, hole, fillet/Chamfer, Pattern, and Mirror. Also participant performed hands on the above mentioned topics. He also explained Assembly Joints and Motion. Assembly constraints and the gave exercise on the explained topics.

Day 4: Session 1 (01 / 10 / 2018)



Day 4: Session conducted by Mr. Rajesh Yadav

Day four started by Mr. Rajesh Yadav. In this session, he was given the brief Introduction to Drawing Generation, Drawing Dimensioning, also was taken an exercise on Drawing Generation.

A Group Photo of participants with Hon. Vice Chancellor Dr. Vilas Gaikar, Dr. A. W. Kivalekar, Dr. Madigonda Sadash, Dr. L. D. Natak, Mr. S. U. Waikar and Autodesk Master Trainers Mr. Anand Pejari and Mr. Rajesh Yadav.



Day 4: Group Photo with Hon. Vice Chancellor

Day 4: Session 2 (Date: 01 / 10 / 2018)



Day 4: Outstanding Performer in FDP

In second session of the day four, Mr. Rajesh continued with the topics Form Modelling and rendering. He also gave various assignments on the form modelling and rendering.

Day 4: Felicited to Mr. Rajesh Yadav





Day 4: Felicitation to Mr. Rajesh Yadav

Day 5: Session 1 (Date: 02 / 10 / 2018)



Hon. Vice Chancellor delivered a lecture on Product Design Engineering. In this he was given the guidance on how to teach such subject to students. He explained by using various examples and motivated to come with various ideas that are needed to surrounding people.

Day 5: (Validatory Session 02 / 10 / 2018):



Day 5: Validatory Session

Before the start of validatory function, a common test conducted for the participants to know how much they gain from this FDP. Participants gave their overall opinion on the FDP. Dr. H. S. Joshi also mentioned their own opinion on the FDP. Mr. Anand Pujari gave his overall opinion on the performance of participants. Dr. Madhugonda Sadashiv and Dr. A. W. Kiveldkar distributed the certificate to participants.

Faculty Development Program
on
Product Design Engineering - Mechanical

28th September - 2nd October, 2018

Attendance Sheet

Sr. No.	Name of the Participant	28/09/18		29/09/18		30/09/18		01/10/18		02/10/18	
		M	E	M	E	M	E	M	E	M	E
1	Dr. Mudigonda Sadaiah										
2	Bhushan Bapu Nikam	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
3	Sonal Ramesh Sawant	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
4	Dr. Harshaddeep Joshi	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
5	Dr. Bhagwan Fatru Jogi	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
6	Arvind Ramkrishnan Benkar	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
7	Shekhar R Patil	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
8	Shrikant Shet	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
9	Bhushan Mahajan	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
10	Suraj Shamrao Pawar	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
11	Shital Suresh Gunjate	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
12	Gaurav Madhukar Gohane	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
13	Sandeep Bapusaheb Pankade	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
14	Izhak Devid Paul	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
15	Dr. Vivek B. Pansare	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
16	Jeevan Salunkhe	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
17	Rajendra H. Shinde	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present

Organized by -
Department of Mechanical Engineering
Dr. Babasaheb Ambedkar Technological University, Lonere, Maharashtra, India

Sr. No.	Name of the Participant	28/09/18		29/09/18		30/09/18		01/10/18		02/10/18	
		M	E	M	E	M	E	M	E	M	E
18	Prakash Mohanrao Jadhav	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
19	Avinash Uddhavrao Karadkhele	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
20	Rajkumar B. Patil	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
21	Vijay R. Patil	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
22	Digvijay A. Mhamane	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
23	Khake Rohit A.	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
24	Shivam P. Yadav	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
25	Dr. Sonali Mhatre	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
26	Sanjay U. Waikar	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
27	Shrikant Thorat	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
28	Dr. Hemant Warhatkar	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
29	R. N. Khale	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
30	Mohan Patil	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
31	Ashutosh Dunderav	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
32	Sumit S. Waikar	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
33	Dr. Shivajirao Jadhav	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
34	Nitesh Ganesh Gothe	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
35	Sudarshan N. Bhagat	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
36											
37											
38											
39											
40											

Organized by -
Department of Mechanical Engineering
Dr. Babasaheb Ambedkar Technological University, Lonere, Maharashtra, India

Dr. Babasaheb Ambedkar Technological University, Lonere.

Pandit Madan Mohan Malaviya National Mission on Teachers Training (PMMNMTT)

**One Week Faculty Development Program on
"PRODUCT DESIGN ENGINEERING"**

25th to 29th October 2018



Prof. V. P. Kulkarni
Coordinator (NKCET)



Dr. J. B. Dafedar
Principal,
NKCET, Solapur.



Prof. S. U. Waiikar
Coordinator (DBATU)



Dr. A. W. Kijwelekar
FDC Coordinator
DBATU, Lonere.

Organised by PNES, Pune

Department of Mechanical Engineering

N.K. ORCHID College of Engg. & Tech., Solapur.



PNES, Pune.
NAGESH KARAJAGE COLLEGE OF
ENGINEERING & TECHNOLOGY, SOLAPUR.
Mechanical Engineering Department



One Week Faculty Development Program (EDP) on Product Design Engineering
(TEQIP-III)
October 25-29, 2018
Dr. Babasaheb Ambedkar Technological University, Lonere.

Day 1: (25th Oct 2018)

Session	Title/ Topics
09:30 AM - 10:00 AM	Registration & Breakfast
10:00 AM - 10:45 AM	Integral ceremony
10:45 AM - 11:00 AM	Tea Break
11:00 AM - 12:00 PM	Introduction to product design, AutoDesk & its products, Introduction to Inventor & its environment
12:00 PM - 01:00 PM	Sketch tools in Inventor with practice
01:00 PM - 02:00 PM	Lunch Break
02:00 PM - 03:30 PM	Starting with solid modelling with practice
03:30 PM - 03:45 PM	Tea Break
03:45 PM - 04:30 PM	Sketch based features & Engineering Features with practice
04:30 PM - 05:00 PM	Review of the day Q & A session

Day 2: (26th Oct 2018)

Session	Title/ Topics
09:30 AM - 10:00 AM	Break Fast
10:00 AM - 11:30 AM	Session by : Mr. Anil Chavan & Mr. Anand Patil
11:30 AM - 11:45 AM	Tea Break
11:45 AM - 02:00 PM	Advanced modelling tools in Inventor with practice
02:00 PM - 02:00 PM	Lunch Break
02:00 PM - 03:30 PM	Assembly modelling with exercise
03:30 PM - 03:45 PM	Tea Break
03:45 PM - 04:30 PM	Production drawing with exercise
04:30 PM - 05:00 PM	Review of the day Q & A session

Day 3: (27th Oct 2018)

Session	Title/ Topics
09:30 AM - 10:00 AM	Break Fast
10:00 AM - 11:00 AM	Surface modelling with exercise
11:00 AM - 11:15 AM	Tea Break
11:15 AM - 02:00 PM	Sheet metal design with exercise
02:00 PM - 02:00 PM	Lunch Break
02:00 PM - 03:30 PM	Introduction to Fusion 360 & its environment setting
03:30 PM - 03:45 PM	Tea Break
03:45 PM - 04:45 PM	Creating Autodesk account, sketching with exercise
04:45 PM - 05:00 PM	Review of the day Q & A session

Day 4: (28th Oct 2018)

Session	Title/ Topics
09:30 AM - 10:00 AM	Break Fast
10:00 AM - 11:30 AM	Modeling & modifying commands with exercise
11:30 AM - 11:45 AM	Tea Break
11:45 AM - 02:00 PM	Introduction to sculpt, creating & modifying sculpt with exercise
02:00 PM - 02:00 PM	Lunch Break
02:00 PM - 03:30 PM	Advanced modelling and script design with exercise
03:30 PM - 03:45 PM	Tea Break
03:45 PM - 04:30 PM	Assembly using joints, mechanism with exercise
04:30 PM - 05:00 PM	Review of the day Q & A session

Day 5: (29th Oct 2018)

Session	Title/ Topics
09:30 AM - 10:00 AM	Break Fast
10:00 AM - 11:30 AM	Exploded view & animation, photo rendering the product with exercise
11:30 AM - 11:45 AM	Tea Break
11:45 AM - 02:00 PM	Simulation with exercise
02:00 PM - 02:00 PM	Lunch Break
02:00 PM - 03:30 PM	Drawing view with annotations with exercise
03:30 PM - 03:45 PM	Tea Break
03:45 PM - 04:30 PM	Test & evaluation
04:30 PM - 05:00 PM	Vote of thanks

Sr. No.	Full Name	Name and Address of the Institute	Email ID	Name of the Department	Mobile Number
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42	Devendra Laxman Kamble	Sharad Institute of Technology - Ichalkaranji	devendrakamble@sitcoe.org.in	Mechanical Engineering	8308908216
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44	Nitin Namdeo Mali	The Karmayogi Engineering College, Shelve Pandharpur	nitimalin@gmail.com	Computer Engineering	9766713117

45	Kiran P Mane	The Karmayogi Engineering College, Shelve Pandharpur	kiranmane007@gmail.com	Mechanical Engineering	9623529767
46	Manisha Baban Patil	The Karmayogi Engineering College, Shelve Pandharpur	patil.manisha61@gmail.com	Civil Engineering	9665959380
47	Mhamane Sanjeev Chandrashekhar	V. V. P. I.E.T, Solapur.	sanjeev.mhamane4@gmail.com	E&TC Engineering	8380050705
48	Avinash Ashok Patil	V. V. P. I.E.T, Solapur.	avipatil236@gmail.com	Civil Engineering	9960322717
49	Abhijeet R Deshpande	Vishwakarma Institute of Information Technology, Pune	abhijeet.deshpande@viit.ac.in	Mechanical Engineering	9422554546
50	Rohini S Shriwal	BEST, Zalaki, Bijapur	rohini.b84@gmail.com	E&TC Engineering	8380051138
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52	Vishwas V Patange	STBCOE, Tuljapur	vishwaspatange@gmail.com	E&TC Engineering	9028919179
53	Dhavale P. C.	JSPM, BIT, Barshi	prabhakar1599@gmail.com	E&TC Engineering	9975740067
54	Gaikwad S.S.	JSPM, BIT, Barshi	sidharthgaikwad8@gmail.com	Civil Engineering	9096422138
55	Dayanand S Hasbe	Sandipani Tech.Campus.Latur	dayanand.hasbe@gmail.com	Mechanical Engineering	9156783009
56	Udhav S Badgire	Sandipani Tech.Campus.Latur	badgireudhav@gmail.com	Civil Engineering	9970997340

**Report on
Faculty Development Programme On
Product Design Engineering
at
PNES, Pune's
NAGESH KARAJAGI *ORCHID* COLLEGE OF
ENGINEERING & TECHNOLOGY, SOLAPUR.**



Day 1: Inauguration Ceremony

Inauguration Session:

The esteemed personality present on the inauguration of the faculty development programme are TEQIP-III Institute Director Dr. S. B. Deosarkar, Principal of NKO CET Dr. J. B. Dafedar, FDP Coordinator (DBATU) Prof. S. U. Waiakar, and the Autodesk master trainers Mr. Anand Pujari and Mr. Anil Chauhan. And FDP Coordinator (NKO CET, Solapur) Prof. V. P. Kulkarni Dr. S. B. Deosarkar welcomed all the participants and emphasized benefits of organising such activities.

Day 1: Session 1 (Date: 25 / 10 / 2018)



Day 1: Session conducted by Mr. Anand Pujari

First session of the "Product Design Engineering" conducted by Mr. Anand Pujari. He had given the brief introduction to the topic on Product Design Engineering. He also gave various application comes under the "Product Design Engineering".

Day 1: Session 2 (Date: 25 / 10 / 2018)



Day 1: Session conducted by Mr. Anand Pujari

Mr. Anand explained Autodesk Inventor UI introduction, Introduction to sketching, Sketch Constraints, Sketch Dimensions. In this session participants learned how to design the various models or sketching exercise using the software. Mr. Anand Pujari took hands on the Autodesk Product "Autodesk Inventor 2019".

Day 2: Session 1 (Date: 26 / 10 / 2018)



Session conducted by Mr. Anand Pujari.

Day 2: Session 2 (Date: 26 / 10 / 2018)



Session conducted by Mr. Anil Chauhan.

Day 3: Session 1 (Date: 27 / 10 / 2018)



Session conducted by Mr. Anil Chauhan.

Mr. Anil Chauhan started a First Session of Day Third on the product of Autodesk i.e. "Autodesk Fusion 360". Participants learned use of Autodesk Fusion 360, introduction to sketching and also practise on the Fusion 360.

Day 3: Session 2 (Date: 27 / 10 / 2018)



Session conducted by Mr. Anand Pujari

In the second session of day third, Mr. Anand Pujari took the concept of Part Modelling. In this, he explained sketch, extrude, revolve, hole, fillet/Chamfer, Pattern, and Mirror. Also participant performed hands on the above mentioned topics. He also explained Assembly Joints and Motion, Assembly constraints and gave exercise on the explained topics.

Day 4: Session 1 (28 / 10 / 2018)



Day four started by Mr. Anil Chauhan. In this session, he was given the brief Introduction to Drawing Generation, Drawing Dimensioning, also was taken an exercise on Drawing Generation.



Day four second session the visit to Akkalkot swami Samarth temple.

Day 5: Session 1 (Date: 29/ 10 / 2018)



Session conducted by Mr. Dinesh Panigrahi (NASSCOM)

Day 5: Validatory Session



Felicitations of Dr. A. W. Kiwelekar (DBATU) by Dr. V. V. Bag (NIKOCET, Solapur)



Participant's feedback



Valedictory Speech by Dr. A. W. Kiwelekar (DBATU)

**DR. BABASAHEB AMBEDKAR TECHNOLOGICAL
UNIVERSITY, LONERE - 402 103, Raigad (MS)**

REPORT on

**ONE WEEK FACULTY DEVELOPMENT PROGRAMME ON "DATA SCIENCE"
SPONSORED BY TEQIP-III**

**Organized at DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING,
CSMSS, CHH. SHAHU COLLEGE OF ENGINEERING, AURANGABAD**

During 12th to 16 June 2018

A one week Faculty Development Program (FDP) On "**Data Science**" was successfully conducted in CSMSS, Chh. Shahu College of Engineering, Aurangabad from 12th to 16th June 2018. FDP was sponsored by TEQIP III of Dr. Babasaheb Ambedkar Technological University, Lonere.

The participants from various engineering colleges and affiliated to our University were attended the FDP. Most of the sessions were conducted by data analytics domain specific Industry "Grid Analytics" and few sessions also conducted by DBATU faculty. The main beauty of program was, 30% theory and 70% lab sessions. All the participants individually practiced assignments on desktop pc. Also, all the participants solved the complex problem of various operations on DATA manually as well as using analytics software.

In the entire FDP all participants have gain the knowledge and hands on experience to solve the data exploration, data preparation, machine learning, neural networks, analytical modeling and model deployment problems using STATISTICA software.

Objectives of the course:

- ✓ To provide participants with a conceptual overview of data science and its many facets
- ✓ To develop familiarity with advance analytics platform software enabler tool STATISTICA
- ✓ To introduce participants to large selection of models within STATISTICA and their application to various types of real-world problems

-
- ✓ To provide experience using STATISTICA's project workflow environment
 - ✓ To demonstrate how STATISTICA can be used to solve common data science problems such as data preparation, variable selection, deployment of trained & building models, and more.

Date: 12th June 2018 (First Day)

Inaugural Session

The FDP was inaugurated by our Hon'ble Vice Chancellor Prof. Dr. V. G. Gaikar and delivered keynote address to the participants through Video Conferencing.

In inaugural function Hon'ble Vice Chancellor, said faculty should equip himself with concepts and technology by attending such technology oriented fdp. Also, told the importance of faculty training and mentioned that every University department should recognized with some specialized laboratory.

Dr. L. D. Netak (Coordinator FDP-DBATU, Lonere), Mr. Bishwajit Nayak (Resource Person, Grid Analytics India Pvt. Ltd.), Mr. Ayush Rastogi (Resource Person, Grid Analytics India Pvt. Ltd.), Dr. U.B. Shinde (Principal, CSMSS, CSCOE, Aurangabad), Dr. R. S. Pawar (Principal, SYCET, Aurangabad), and Dr. S. P. Abhang (Coordinator FDP-CSMSS, Aurangabad) were present for the inaugural function.



Address by Hon'ble Vice Chancellor Prof. Dr. V. G. Gaikar (Through Videoconferencing)



Address by Dr. L. D. Netak FDP, Coordinator, DR. BATU



Felicitation of Mr. Bishwajit Nayak



FDP Banner



Felicitation



Session Photograph: Mr. Bishwajit Nayak

Photographs: Day One

Date: 13th June 2018 (Second Day)

On second day, started discussion on methods of Descriptive Statistics, Correlation, t-test, ANOVA, Frequency Tables Cross-Tabulations. After the post lunch session focused on Simple/Multiple Regression, Verifying Assumptions, and Residual Analysis along with case studies on Poverty Prediction, Work Satisfaction, Market segmentation- Automobile etc.



***Hands-on practice by Participants
Photographs: Day Two***

Date: 14th June 2018 (Third Day)

On third day, began with Model Management life cycle management. The main objective of this session was to introduce the participants to Data Mining large selection of models building, evaluation & Deployment.



***Hands-on practice by Participants
Photographs: Day Third***

In further sessions, discussed the different Machine learning algorithms including Support Vector Machine, K-Nearest Neighbours, and Naïve Bayes Classifier.

Date: 15th June 2018 (Fourth Day)

On forth day, started session with introduction to automated Neural Network. Introduction to the concepts of ANN with practically classification, regression, clustering, and time series. Also demonstrated problems using STATISTICA tool on Web mining typically focusing on Social Media Analytics and Sentiment Analysis.



***Hands-on Session Conducted
by Mr. Nayak***

Group Photo at Ellora Caves

Photographs: Day Forth

Date: 16th June 2018 (Fifth Day)

On fifth day, Prof. Dr. A. W. Kiwelekar, DBATU Lonere has conducted one session on "An architectural perspective of learning analytics".



**Felicitation of
Prof Dr. A. W. Kiwelekar**



Session by Dr. A. W. Kiwelekar

Photographs: Day Fifth

The main theme of Prof. Kiwelekar's talk was, fundamentals of analytics and different tasks performed by data analyst/scientist. In his talk, he briefly discussed concepts of data analytics and co-related with the real life scenarios such as analysis of student progress, etc.

Further, Prof. Kiwelekar has discussed the architectural perspective of learning analytics and concluded the session by sharing the research activities initiated in the department of computer science & engineering, at Dr. Babasaheb Ambedkar Technological University, Lonere.

After post lunch session, valedictory function was conducted in the presence of Dr. S. B. Deosarkar (Institute Project Director, TEQIP-III, Dr. BATU, Lonere), Dr. L. D. Netak (Coordinator FDP, Dr. BATU, Lonere), Dr. Ulhas Shiurkar (Principal, DIEMS, Aurangabad), Dr. U. B. Shinde (Principal, CSMSS CSCOE, Aurangabad), and Dr. S. P. Abhang (HoD and Coordinator FDP, CSMSS , Aurangabad)

Few participants expressed their views on overall preparation and execution of the fdp and also submitted their feed back about FDP.

Prof. Dr. S. B. Deosarkar discussed about the TEQIP III project plan and activities, opportunities to the faculty members, Institutions for conducting workshops, training session by Industry experts and research work.

Faculty Development Program on "Data Science using R-Programming"

07-11th January 2019

Sponsored By TEQIP-III



**Dr. Babasaheb Ambedkar
Technological University, Lonere**

Patrons

Shri Kamalkishor N. Kadam | **Dr. V.G. Gaikar** | **Dr. M.D. Shivankar** | **Dr. S.B. Deosarkar** | **Dr. Mrs.G.S. Lathkar**
Chairman, Mahatma Gandhi Mission | Vice-Chancellor, DBATU, Lonere | Joint Director, DTE Aurangabad | Project Director, TEQIP-III DBATU, Lonere | Director, MGM's COE, Nanded

Resource Person

Dr. Arvind W. Kiwelekar | **Dr.S.S.Sane** | **Dr. A.M.Rajurkar** | **Mr.Tushar B. Kute** | **Mr. Tejas P.Rawal** | **Mr. Mukesh Jain**
Prof & Head, CSE Dept, DBATU, Lonere | Vice-Principal, K.K.Wagh IEE & R, Nashik | Prof. & Head, CSE Dept., MGM's COE,Nanded | MITU Skillologies, Pune | MITU Skillologies, Pune | Chief Tech. OR, VFS Global, Mumbai

Co-ordinator

Dr. Arvind Kiwelekar | **Dr. Archana Rajurkar** | **Mr. Rahulsingh Bisen**
Prof & Head, CSE Dept, DBATU, Lonere | Prof. & Head, CSE Dept., MGM's COE,Nand. | Assistant Prof. CSE Dept., MGM's COE., Nanded

Organised By

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Mahatma Gandhi Mission's
College of Engineering, Nanded
(A NAAC Accredited Institute)

Organizing Committee

Ms. J.H.Patil | **Mr.S.G.Salve** | **Mr.P.P.Pawar** | **Mr. Mohseen Ahmed** | **Ms.D.B.Aghor** | **Mr.M.R.Chennoji** | **Mr.M.N.Bhandare**
Dr. Mrs.M.Y.Joshi | **Ms.B.S.Kapre** | **Md.Aijaz Ahmed** | **Mr.S.I.Titare** | **Ms.S.S.Wagre** | **Ms.J.S.Kale** | **Mr.S.A.Jagalpure**
Ms.N.L.Pariyal | **Ms.N.S.Pande** | **Mr.Juned Khan**

Registration Fees

Faculty from academic institutions- Rs.1000/-
Students – Rs. 500/-
It includes charges for accommodation, breakfast, lunch and course material. The last date for online registration is 1st January 2019. The fees may be paid by cash/DD in favor of "MGM's College of Engineering" payable at Nanded. The registration for the course is mandatory.

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How to Reach Nanded



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Faculty Development Program on
"Data Science using R-Programming"
[7-11 January 2019]
Sponsored by TEQIP-III



**Dr. Babasaheb Ambedkar
Technological University, Lonere**

Patrons

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- Dr. V. G. Gaikar, Vice-Chancellor, DBATU,Lonere
- Shri M. D. Shivankar, Joint Director, DTE, Aurangabad
- Dr. S. B. Deosarkar, Project Director, TEQIP-III, DBATU, Lonere
- Dr. Mrs. G. S. Lathkar, Director, MGM's COE, Nanded

Co-ordinators

- Dr. Arvind Kiwelekar
- Dr. Archana Rajurkar
- Mr. Rahulsingh Bisen

Organized by



**DEPARTMENT OF COMPUTER SCIENCE AND
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Mahatma Gandhi Mission's
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INAUGURATION CEREMONY

The inauguration ceremony for the 5 days FDP on “Data Science using R” was blessed with many guests like Dr. Y. V. Joshi (Director SGGS IE&T and Executive Council Member DBATU, Lonere), Dr. S. K. Chidrawar (Director MPGI School of Engineering and Executive Council Member DBATU, Lonere) and the resource person for this FDP Mr. Tushar Kute (miTu Skillologies, Pune).



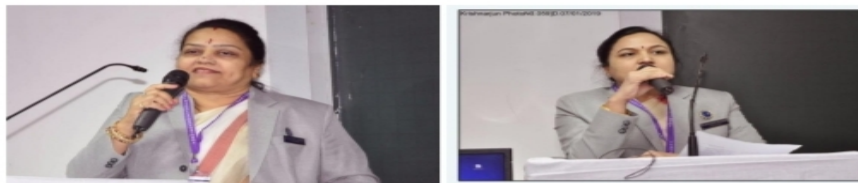
Lamp lightening ceremony at inauguration of FDP



Felicitation of Guests by Hon. Director Madam



Felicitation of Hon. Director Madam by Dr. A. M. Rajurkar (HOD CSE & Course Coordinator)



Hon. Director Madam & HOD Madam Addressing the participants



Hon. Guests Addressing participants

DAY-01



On the first day of FDP Mr. Tushar Kute was the resource person and he started with the basics of programming language R. He started with the installation of R- studio and then further continued with the data-types, looping statements, conditional statements, objects, user- defined data-types such as array, list, vector, matrix, factor and data frames. The session was completely hands-on and Mr. Tushar solved the queries of all participants personally.

DAY-02

The day 02 of FDP started with the introduction of data frames. The session included creation of data frames, accessing those, expanding that is adding columns and rows to data frames etc. After this the connectivity of R- programming with Databases was covered in which participants used My-SQL as a database to connect with front-end. Later session was continued with data analysis in which drawing graphs and charts for the existing data was taught.



DAY-03

On this day we had Dr. S. S. Sane Professor, K. K. Wagh College of Engineering, Nashik. He discussed with us different types of Classification techniques and explained the concepts of single-label and multi-label learning. The different approaches of Multi-label learning were discussed in detail along with live examples by Dr. Sane. The further sessions were continued by Mr. Kute in which he covered the topics like Basic Data Analytics, Data Pre-processing and exploratory data analysis.



Participants listening to the sessions in FDP

DAY-04

Day-04 started with the advanced topics like Statistical- Regression, Time series analysis, KNN- learning and Association Rule Mining. For each and every advanced topic the suitable examples and applications were taken.



DAY-05

Mr. Mukesh Jain took a Use Case study on FOREX Predictions in R. His next session included a discussion on Data Driven Product Innovation and End to End Cycle of Analytics. Later in the session Mr. Mukesh Jain headed the discussion on Practical aspects of using Analytics in Product Innovation with Real Case-Studies from Industry.



A session by Mr. Mukesh Jain

Valedictory Function

The valedictory ceremony for the 5 days FDP on “Data Science using R” had eminent guests like Dr. V. G. Gaikar (Vice Chancellor, DBATU, Lonere), Mr. Mukesh Jain (V. P., Head Insights & Data Technology at Capgemini). Mr. Mukesh Jain continued the session, in which he took some company application and case studies for R-programming.



Felicitation of Guests by Hon. Director Madam



Hon. Dr. V. G. Gaikar Addressing & Motivating Participants.



Dr. Babasaheb Ambedkar Technological University
Faculty Development Centre
(Jointly with Veermata Jijabai Technical Institute, Mumbai)
Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching
(PMMMNMTT)



Report on
One Week Faculty Development
Program On
Tunneling & Underground
Excavation
Organized by
Department of Civil Engineering
Dr. Babasaheb Ambedkar
Technological University, Lonere.

Day 1- (27th May 2019- Monday)

Inauguration- 11:30-12:30 AM — Inauguration of Workshop in the presence of Hon.VC Dr. V. R.Sastry, Dr. D.V. Reddy Adviser L & T Tunneling Excellence Academy Reddy Dr. Shankar, Dr. A. W. Kiwelekar Dr. P. K. Katti Dr. S. M. Pore.



Talk by Dr. A. W. Kiwelekar at the time Inauguration



Participants at the time of Inauguration.

Day 2 (28th May 2019- Tuesday) Afternoon Session (From 2:30 to 3:30 & 4:00 to 5:30) was conducted by Dr. D. S. Rawat Scientist-II Engineering Geology Department National Institute of Rock Mechanics (NIRM)

- Ongoing Crude oil Storage Projects in India
- Geotechnical Studies during Excavation



Day 3 (29th May 2019- Wednesday Morning Session)

1st Session was taken by Dr. Shripad Naik Scientist-F & Head Numerical Modeling Department National Institute of Rock Mechanics (NIRM) from 10:00 to 11:00 AM

Topics Covered

- Fundamentals of Rock Mechanics
- Application of Numerical Modeling to Geotechnical Problems.



Day 4 (30th May 2019- Wednesday Afternoon Session)

Dr. S. M. Pore

Topics Covered

- Indian Standard Codes on Tunnels & Underground Excavations



Day 5 (31st May 2019- Wednesday Morning Session)

Dr. S. M. Pore

Topics Covered

- Indian Standard Codes on Tunnels & Underground Excavations



2nd Session was taken by

Dr. Abhinav Mane

- Geotechnical Engineering

Faculty Development Program
On
“Pedagogical and Assessment Techniques for Product Design Engineering”
At
Dr. Babasaheb Ambedkar Technological University, Lonere

Inauguration Session: The esteemed personality present on the inauguration of the programme is Registrar and TEQIP-III Institute Director Dr. S. B. Deosarkar, University Finance Officer Dr. V. S. Sathe, FDC Coordinator Dr. A. W. Kiwelekar, Coordinator Mudigonda Sadaiah, Mr. Sanjay Waikar, and the Master Trainer Mr. Rohit Sharma. Dr. A. W. Kiwelekar, Director of PMMMNMTT heartily welcomed all the respected dignitaries and participants. Registrar emphasised benefits of organising such activities. This program is organized under IT-ITeS Sector Skills Council NASSCOM Train-The-Trainer.



Day 1: Inauguration Ceremony



Day SECOND: (Date: 26th February 2019)



Day 2: Morning Session

In this session, resource person Mr. Rohit Sharma started his discussion on **Domain Orientation [SSC/Q4201] QP Understanding & Interpretation Understanding PCs, KA, KB, SA, SB Components of each NOS SSC/N9001 [PC 1-4 & related KA, KB, SA, SB] Interpretation of PC in conjunction with related KA/KB/SA/SB Various policies at workplace Do's & Don'ts at workplace, Handling different & difficult situations at workplace.**

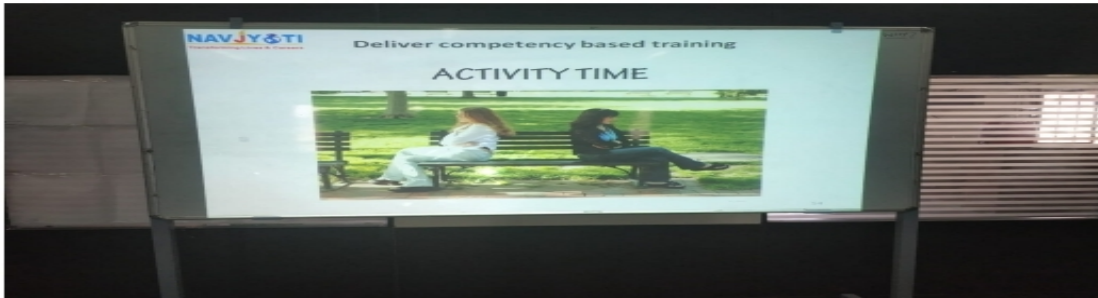
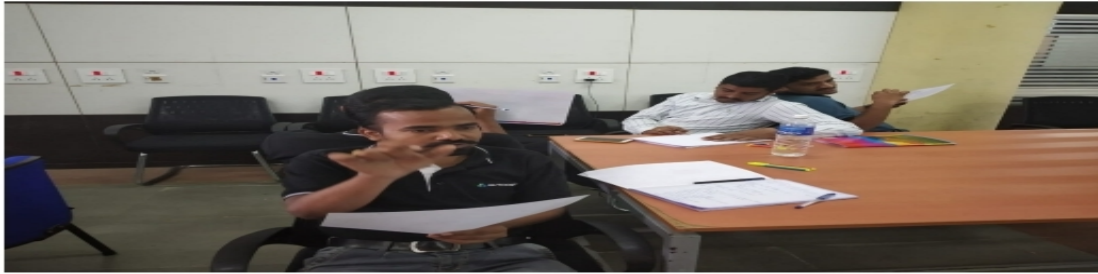


Day 2: Forenoon Session

Day 2: Forenoon Session (Hon. Vice Chancellor)

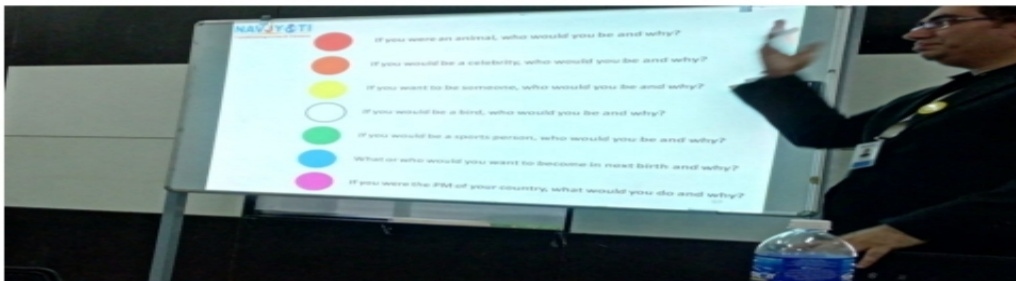
In forenoon session, Hon. Vice Chancellor Dr. Vilas Gaikar discussed motive behind the course Product Design Engineering. He gave various example regarding how one can taught the course also illustrate the what are the projects that can be given to student from Scratch, it is also useful to community. Registrar Dr. S. B. Deosarkar, Dr. Mudigonda Sadaiah, Dr. A. W. Kiwelekar, Dr. H. S. Joshi, and Mr. S. U. Waikar also attended the session.

Day THIRD: (Date: 27th February 2019)



Day 3: Morning Session

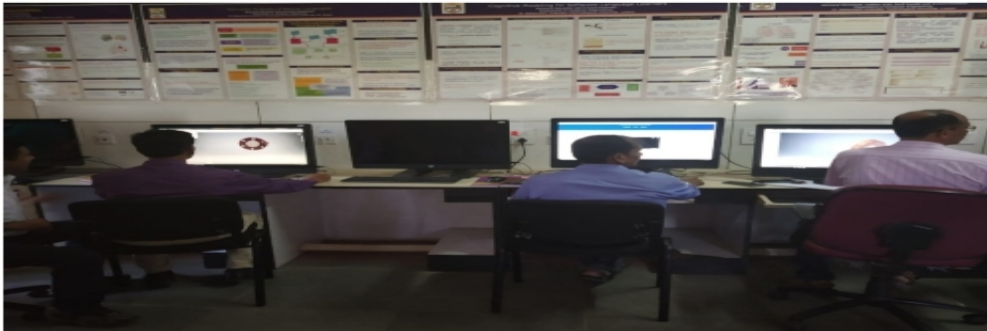
Mr. Rohit Sharma on third day morning session discussed on [PC 5-9 & related KA, KB, SA, SB] Handling different & difficult situations at workplace, Interpretation of PC in conjunction with related KA/KB/SA/SB Communication Skills Methods of communication Benefits of effective communication. Also, Trainer took class activity such as worksheet, class discussion at the end of the session.



Day 3: Afternoon Session

Day FOURTH: Lab Sessions (Date: 28th February 2019)

The session started with review of day THREE. Then, all participants are discussed the different aspects of the course with other participants. In the afternoon session, participants also performed various lab experiments on different tools used to design the various geometry.



Day 4: Morning and Afternoon Session

Day FIFTH: (Date: 1st March 2019)

Mr. Rohit Sharma started with the discussion of whatever he covered on Day FOUR. After recap, he explain Setting Ground Rules, Expectation Management, Intro & navigation of QP, QP Understanding & Interpretation, Understanding PCs, KA, KB, SA, SB components, comprehending different situations in training, & related KA, KB, SA & SB, working within the Indian skills system, Understanding the role of a trainer, Attributes of an effective trainer.



Day SIXTH: (Date: 2nd March 2019)

In the morning session, modeling high standard of performance, performing in line to the organizational goals, exhibiting professional behaviour at workplace, Applying ethical practices points explained by Mr. Rohit Sharma. Then all the participants took part in "Time Management" group activity.



Day 6: Morning Session

In the afternoon session, Rohit started with Participating in the execution of the PDP & related activities and then Achieving competencies associated to the PDP. Then an individual participant gave the presentation on the topic choose by them.



Day 6: Afternoon Session

Day SEVENTH: (Date: 3rd March 2019)

Organizing training logistics, facility aids etc, Explaining competency based training related to their job profiles, sharing training processes/styles & learning principles, Undertaking formative assessments, Knowing the usage & objective of the assessment tools, Understanding training gaps by reviewing the learner feedback these content explained by Mr. Rohit Sharma.



Day 7: Morning Session

Day EIGHTH: (Date: 4th March 2019)

Day eight started with highlights of day Seven. In this session Rohit explained Identifying the shortcomings/gaps of the learners, Providing appropriate solutions to the learners, Providing additional support to the learners (as per individual TNA), Providing & following up on the coaching given to the learner.



Day 8: Morning Session

In the afternoon session, Rohit gave presentation on motivating the learners to ensure effective outcome. Then based on it, Rohit carried out the group discussion and group activity on the topic; he covered in the current session.



Day 8: Afternoon Session

Day NINTH: (Date: 5th March 2019)

On Ninth day participants went through a special task which assigned on day eighth. Participants had given time to think on particular topic. Then told them to prepare presentation on the same topic. On next day, every participant gave presentation.



Day 9: Afternoon Session

Day TEN: (Date: 6th March 2019)



Day 10: valedictory Session

Before the start of valedictory function, a common test conducted for the participants to know how much they gain from this FDP. Participants shared their overall opinion on the FDP. Mr. Rohit Sharma expressed his overall opinion on the performance of participants. Dr. Mudigonda Sadaiah and Mr. Rohit Sharma distributed the certificate to participants.

2019 Proof

6.3.2 Number of professional development / administrative training programmes organized by the University for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	Joint conference AKTU and DBATU	-	19-11-2019	20-11-2019	41	
2019	Refresher course in chemical engg and Tech.	-	18-06-2019	20-06-2019	30	
2019	9th National conference TIME 2019	-	12/07/2019	12/10/2019	38	
2019	Curriculum workshop by Mining	-	11/12/2019	11/12/2019	41	
2019	Curriculum workshop by Chemical Department	-	13-11-2019	13-11-2019	12	
2019	Curriculum workshop by Computer	-	19-11-2019	19-11-2019	35	
2019	Curriculum workshop by Mechanical	-	22-11-2019	22-11-2019	16	
2019	Curriculum workshop by English	-	25-11-2019	25-11-2019	6	
2019	Curriculum workshop by Chemistry	-	26-11-2019	26-11-2019	8	
2019	Curriculum workshop by Mathematics	-	27-11-2019	27-11-2019	6	
2019	Curriculum workshop by EXTC	-	27-11-2019	27-11-2019	17	
2019	Curriculum workshop by Information Technology	-	12/01/2019	12/01/2019	19	
2019	Curriculum workshop by Physics	-	12/04/2019	12/04/2019	11	
2019	Curriculum workshop by Civil	-	12/05/2019	12/05/2019	16	
2019	5 days MDP for Principals and Directors Leadership for Change	-	30-05-2019	06/03/2019		37
2019	MDP on Effective teaching and Development	-	16-12-2019	20-12-2019	46	
2020	Management development Program on Managing Start-up Incubation and Ecosystem	-	01/02/2020	01/04/2020		24
2020	Curriculum workshop by Electrical	-	23-01-2020	23-01-2020	14	
2020	1st International Conference on Emerging Trends in Technology and Application 2019	-	02/01/2020	02/02/2020	105	
2020	International conference on contemporary computing and applications (ic3a)	-	02/05/2020	02/07/2020	79	
2019		Education in Universal Human Values	30-05-2019	06/03/2019		39
2020		Managing Start-up Incubation and Ecosystem	01/02/2020	01/04/2020		22

Annual Report
Library

REGISTRAR
Dr. Babasaheb Ambedkar Technological University,
LONERE, 402 103,
Tal. Mangaon, Dist. Raigad, (Maharashtra)

2020	-	Building and Managing Technical Education Institute A Brand in the Digital ERA.	03/02/2020	03/06/2020		21
2020	-	Self-Development and Capacity Development	01/12/2020	16-01-2020		34
2020	-	Women Empowerment through higher education	21-01-2020	25-01-2020		52
2020	-	Women Empowerment for the girl student	18-01-2020	20-01-2020		61
2019	-	Building and Managing Technical Institution	26-04-2019	28-04-2019		36
2019	-	Leadership Skill Development and Management	16-05-2019	19-05-2019		21
2019	-	Management Capacity Building Program on Critical Thinking	23-05-2019	26-05-2019		28
2019	-	Time Management and Office Tool Management	06/02/2019	06/05/2019		18
2019	-	Soft skill and MCSR (Maharashtra Civil Service Rules)	18-11-2019	22-11-2019		41
2019	-	Soft skill and MCSR (Maharashtra Civil Service Rules)	16-12-2019	20-12-2019		36
2019	-	Soft skill and MCSR (Maharashtra Civil Service Rules)	18-11-2019	22-11-2019		31
2019	-	Soft skill and MCSR (Maharashtra Civil Service Rules)	16-12-2019	20-12-2019		30
2019		Integrated Approach towards Water Processing and Management.	15-10-2019	19-10-2019	50	
2020		Two day workshop for industry professional on waste water management.	17-01-2020	18-01-2020	50	
2019		Mathematical Modeling & Numerical Technique	12/09/2019	13-12-2019	48	

A

report On

One week STTP

On

“Integrated Approach towards Water Processing and Management”

At Dr. BATU Lonere

Department of Petrochemical Engineering

Date:15-19 October 2019



Department of Petrochemical Engineering,

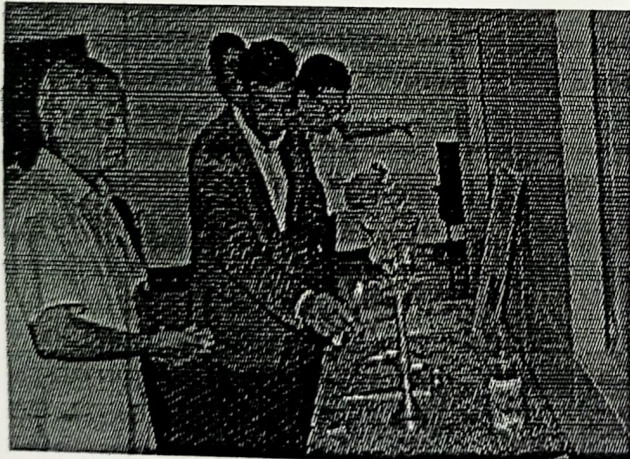
Dr. Babasaheb Ambedkar Technological University, Lonere-402103

S. S. Metkare
Dr. S. S. Metkare
Head

Department of Petrochemical Engineering
Dr. Babasaheb Ambedkar Technological University
Lonere-Raidad

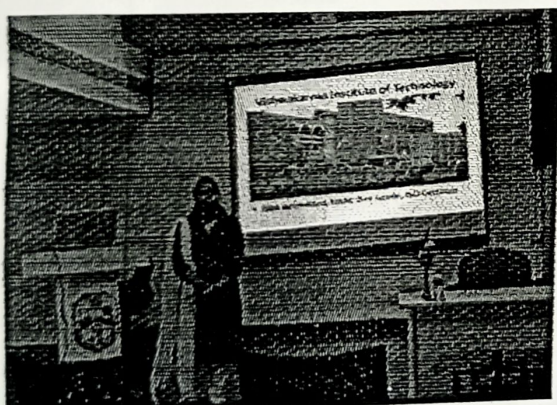
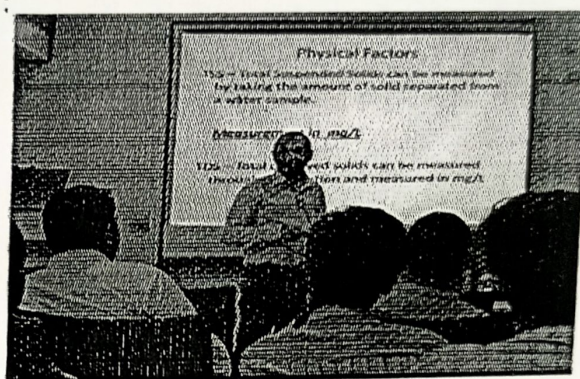
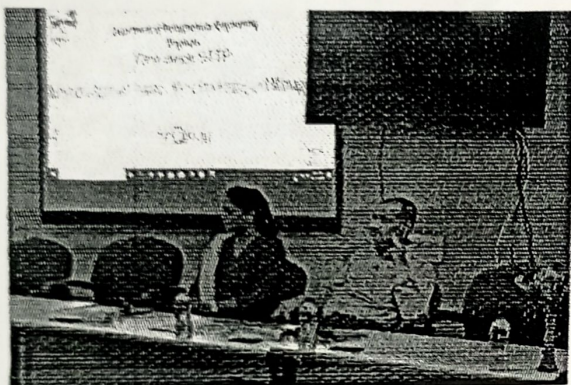
Day 01: Date-15/10/2019

Department of Petrochemical Department has organized STTP on "Integrated Approach to Water Processing and Management" from 15 to 19 October 2019. The guest of honour for inaugural function were honourable vice chancellor Prof. V. R. Sastry and Dr. S. B. Deosarkar. STTP started with Lamp lighting ceremony followed by University song. After the song Dr. S. P. Danao sir gave a brief introduction about the whole STTP followed by the guidance of Prof. V. R. Sastry. First session of the was taken by Dr. S. P. Danao on Water cycle. In the afternoon session Dr. S. B. Deosarkar explained the New Education policy. In the last session participants were asked to perform an activity to put their ideas and imagination in the pictorial format.



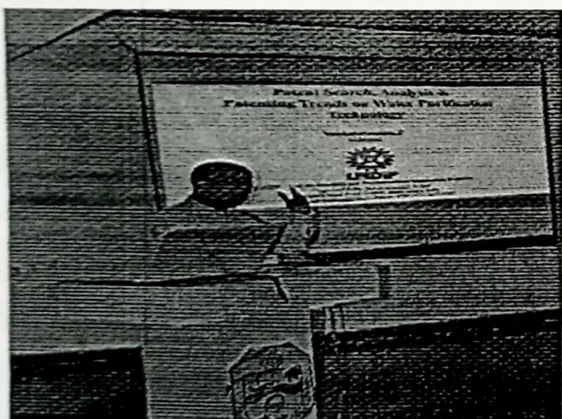
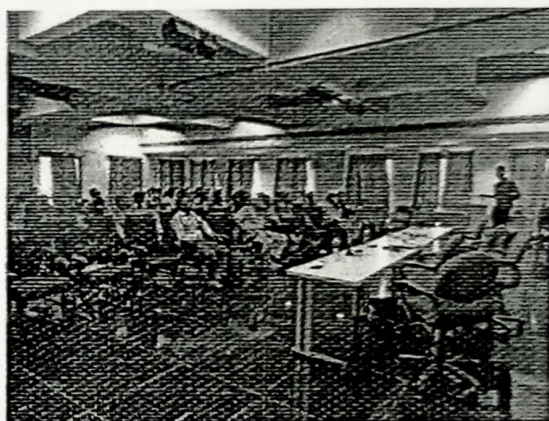
Day 02: Date-16/10/2019

In all there were three sessions planned for the day. For first two sessions we had Dr. Dhananjay Bhatkhande. He gave a brief idea about different water quality parameters and their measurements. For next session we had Ms. P. G. Nakade from WQCE, Pune. This session covered the topic of how water quality parameters changes according to different geographical conditions and parts of India. In the last session was based upon activity, Participants were given a topic and asked to represent their ideas in a presentation or a dramatical format.



Day 03: Date-17/10/2019

Guest for the day's session were Dr. Karan Chavan and Mr. Venkataraman P. In the first session Dr. Chavan spoke on the topic of Water Treatment using membrane Technology giving wide idea about the advancement in the membrane technology. In his next session Dr. Chavan explained about use of cavitation technology in membrane separation process and how the use of cavitation technology is a boost for the membrane technology. Mr. Venkataraman in his session spoke about Patents in Water treatment technology. He explained how to perform patent search and how the industries in India and abroad are performing in the new technologies and filing the patents. In the last session participants were given an activity based on how to determine different properties of water.



Day 4: Date-18/10/2019

Session 1:

Speaker: Dr. P.V. Vijaybabu

Dr. P. V. Vijaybabu introduced initially about the Environment (Protection) act 1986. He also explained about the limits imposed on BOD, COD, DO and suspended solids.

Then he introduced a new concept named 'Zero Liquid Discharge (ZLD)'. ZLD is an engineering concept to treat waste water where all the water is recovered and contaminants are reduced to solid waste. So by this way, not a single drop of water will be wasted. The various units involved in ZLD plant and their purpose was also explained.

ZLD has various advantages like lower waste volume, low cost on water management, valuable resources can be recovered etc.

Various stages involved in ZLD are:

1. Treatment of waste water (Primary & Secondary)
2. RO unit
3. Multieffect Evaporators
4. Drying
5. Solids will be sent to hazardous waste management.

One the most important application area of ZLD is in Distillery plant to reduce the pollution.

Session 2

Speaker: Dr. Vadirajachariya

Artificial Intelligence which is a trending topic now a days was introduced by Dr. Vadirajachariya.

He started with comparison of artificial and natural. Then basic network diagram of Artificial Intelligence (that is known as neural network) was explained.

Perceptron is the basic unit of a neural network. For analyzing the network for a suitable purpose, activation function is defined. The network is trained for number of sets called 'training sets'.

The network consists of three layers i.e. input layer, hidden layer and output layer. Due to multilayer perceptron, learning becomes quick. The systems can be feed forward or feed backward. The neural networks have various applications like in medicines.

Session 3 & 4:

CETP visit at MIDC Mahad

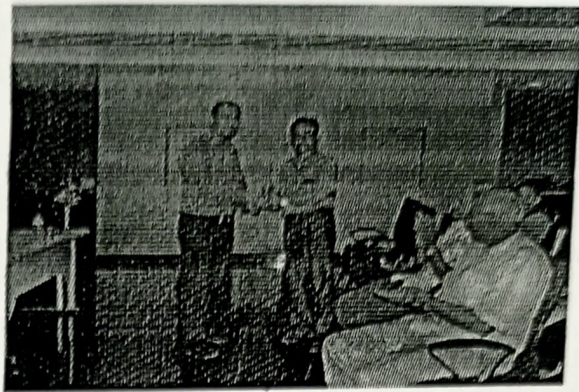
Common Effluent Treatment Plant (CETP) receives effluent water from various industries in Mahad MIDC. The receiving sump capacity is 12.5 MLD. It has aerators to reduce the odor. The water is now treated in three steps: Primary treatment, secondary treatment and tertiary treatment.

In primary treatment, initial grits are separated. Then oil trap is there to remove the oil content. Then PAC is added to maintain the pH and then it goes to flocculator, where the impurities are removed in the form of large flocs with the help of scrapers. By this treatment 20% reduction in COD is achieved.

The secondary treatment begins in the bio-towers. Here they grow bacteria on suitable packings. Trickling filters are used to spray water on those packings. The bacteria grown will now consume the organic matter and will help to reduce COD and BOD of water. Then the water is sent to aeration tank. Here submerged as well as floating aerators are used. At a time, two of them are kept in working condition. Then it goes to the clarifier. By this treatment 40% reduction in COD is achieved.

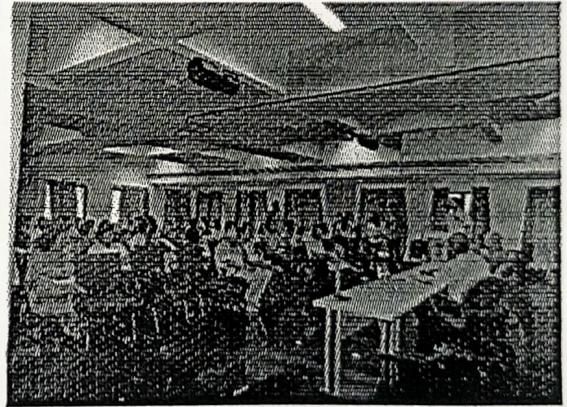
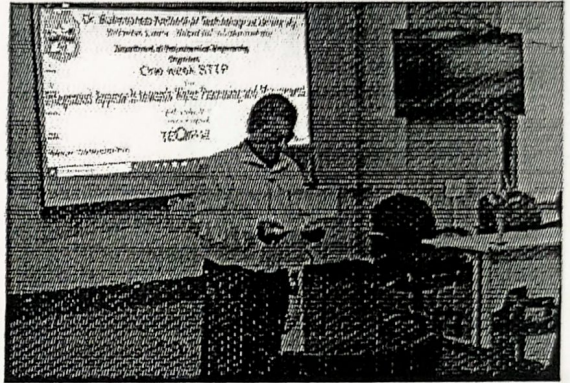
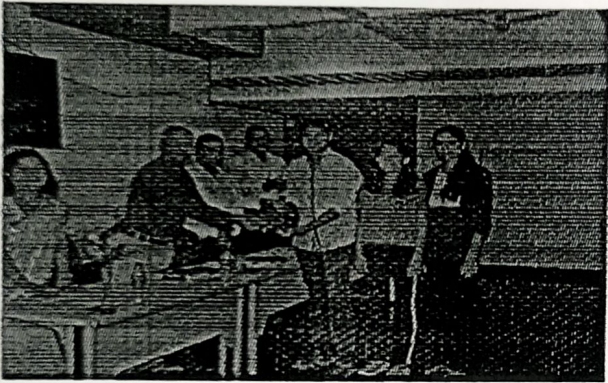
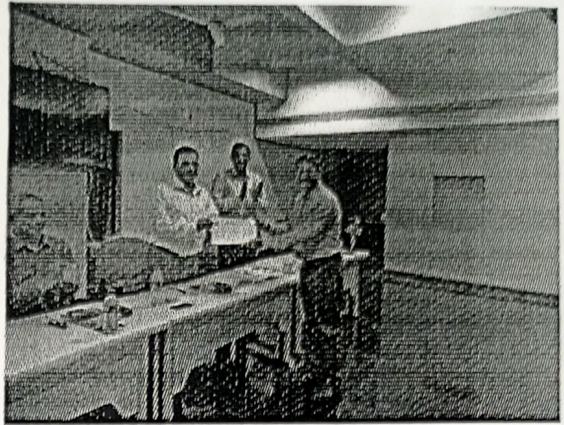
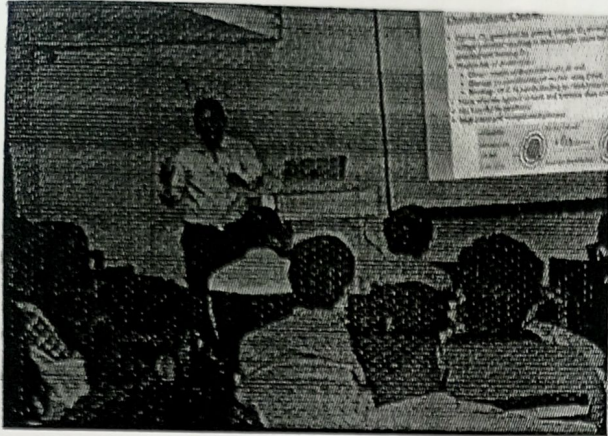
In the tertiary treatment, the procedure of primary treatment is again repeated. The water is then sent to reaction clarifier. The sludge is removed and sent to Sludge Disposal Unit at Taloja. For filtration, initially, three pressure sand filters are used, which are followed by three pressure (activated) carbon filters.

The water samples are analyzed in testing Laboratory for BOD, COD, suspended solids, mix liquor volatile suspended solids, pH etc. The standards are checked by MPCB (Maharashtra Pollution Control Board) and then the water is disposed in sea.



Day 05: Date-19/10/2019

Last day of the STTP consisted of two sessions followed by a Valediction function. The speaker for the first session was Dr. Sanjay Danao. His topic for the session was Engineering system of WWTP. In the second session, Dr. M. A. Dabhade presented the case study of WTP Lonere. Dr. Dabhade gave a brief explanation of how different treatments are carried out at the plant. And also gave parameters of the drinking water available from the WTP, Lonere. The programme was concluded by the HOD of Petrochemical engineering department Prof. V. P. Jawanjali. Then participants gave their feedback about the STTP. This was followed by the valediction function in which different winners were presented with prizes and participants were given the certificates. A vote of thanks for the STTP was conveyed by Prof. S. S. Metkar.



S. S. Metkoe
Dr. S. S. Metkoe

Head,
Department of Petrochemical Engineering
Dr. Babasaheb Ambedkar Technological University
Lonere - Raigad

PREAMBLE

Water has become extremely valuable commodity in human life. Environmental aspects are highly affecting its quality and quantity. Adequate water management through purification and treatment, reduce, reuse and recycle (R³) is very much necessary for Industry and Civic Administration and require technically competent man- power at all levels. Zero Liquid Discharge (ZLD) has become a key word in Sustainable Development. Effective Water Management has become extremely crucial in our path towards

- 'Swachh Bharat Mission'
- Providing Clean Drinking Water to all by 2024
- Making human life survivable.

Proposed programme will focus on the interdisciplinary integrated approach towards optimum utilization and processing of water resources and various technologies involved in it. It will give overview to the participants of various nuances involved in major challenge that globe is facing today, going to be severe in future and integrated approach towards its solution. Approach will be developed towards human resource development in the segment using various disciplines.

ABOUT DBATU

Dr. Babasaheb Ambedkar Technological University is one and only one of its kinds in the State. The University is located at Lonere, District Raigad in Maharashtra. It is Autonomous in nature and Unitary in its character. It was established in 1989 by the Government of Maharashtra. Although relatively young, the University is making its mark in the field of research and technological services through its dedicated faculty and competent students. At present, University conducts six M.Tech. and eight B.Tech. programmes in various disciplines of Engineering and Technology. The University also offers Ph.D. in various disciplines of Engineering and Technology. The University has been accorded the status of an 'Affiliating' University of the entire State of Maharashtra from March 2, 2016, by the Maharashtra Act No. XXIX of 2014.

The University has a conducted Institute of its own, 'Institute of Petrochemical Engineering', running Diploma Courses in eight streams of Engineering and Technology. The University extends its services to the society through a governmental scheme of "Community Polytechnic".

COURSE CONTENTS

5 – Day STTP will focus on following Points

- Need of Water Processing and Management
- Eco System and Water Cycle
- Environmental Pollution and Regulations
- Water Quality Parameters
- Effluent Characteristics and Standards
- Zero Liquid Discharge
- Water Conservation and Harvesting
- Multi-disciplinary Approach
- Industrial Visit
- Internet of Things
- Artificial Intelligence
- Human Resource Development

RESOURCE PERSONS

Experienced Resource Persons from Industry, Research Organizations and DBATU, Lonere.

SCHEDULE

Tuesday, 15 October 2019

09:30- 10:00 hr
10:00 -13:00 hr
13:00 -14:00hr
14:00- 17:00 hr

Registration
Inauguration and Key-note
Break
Session – I & II

Wednesday, 16 October 2019

10:00 - 13:00 hr
13:00 -14:00hr
14:00 -17:00 hr

Session – III & IV
Break
Session – V & VI

Thursday, 17 October 2019

10:00 - 13:00 hr
13:00 - 14:00 hr
14:00 - 17:00 hr

Session – VII & VIII
Break
Session – IX & X

Friday, 18 October 2019

10:00 - 13:00 hr
13:00 - 14:00 hr
14:00 - 17:00 hr

Session – XI & XII
Break
Industrial Visit

Saturday, 19 October 2019

10:00 - 13:00 hr
13:00 - 14:00 hr
14:00 - 15:00 hr

Session – XIII & XIV
Break
Valediction

Dr. BABASAHEB AMBEDKAR
TECHNOLOGICAL UNIVERSITY, LONERE -
402 103
(Maharashtra, India)

Under TEQIP-III Scheme
Department of Petrochemical
Engineering

5-Day Short Term Training Programme
on
Integrated Approach towards Water
Processing and Management

15 – 19 October 2019

REGISTRATION FORM

1. Name: _____

2. Organization: _____

3. Designation: _____

4. Contact Address: _____

5. Phone: _____

Off: _____ Res: _____

Mobile: _____ Fax: _____

E – Mail: _____

Signature of Sponsoring
Authority

Signature of Candidate

PATRON

Hon. Dr. Vedala Rama Sastry

Vice Chancellor, Dr. Babasaheb Ambedkar
Technological University, Lonere, Raigad (MH).

ADVISORY COMMITTEE

Dr. S. B. Deosarkar, IPD TEQIP III

Dr. S. L. Nalbalwar, TEQIP III Coordinator

Dr. A. W. Kiwelekar, Academic Nodal Officer

Dr. S. G. Bhutada, Finance Nodal Officer

ORGANIZING COMMITTEE

Chairman

Prof. Vasant P. Jawanjai

Head,
Department of Petrochemical Engineering
DBATU, Lonere

Coordinator

Prof. Sangeeta S. Metkar

Department of Petrochemical Engineering
DBATU, Lonere

Committee Members

Dr. Sonali V. Choudhary

Prof. Pradip S. Nande

Prof. Abhishek K. Saxena

Prof. Lubna U. Rawoot

Prof. Prajakta S. Pore

Prof. Sheraj Sayyad

WHO CAN PARTICIPATE?

Faculties and Post Graduate/ Doctoral Students
from all Disciplines of Professional Educational
Institutes such as Engineering, Pharmacy,
Architecture, Management and Sciences from
DBATU and Colleges affiliated to DBATU.

REGISTRATION FEE

No Registration Fee for Faculty and Students
from DBATU and Colleges affiliated to DBATU.

Maximum Number of Participants shall be 50.
No TA & DA shall be paid to the participants.

ACCOMMODATION

Accommodation in Hostel/ Guest house will be
provided for limited participants. For others,
assistance will be given for getting
accommodation, which will be chargeable.

FOR REGISTRATION CONTACT

Prof. Pradeep Nande

(M) 8378039065

Email: pradipnande2@gmail.com

Prof. Abhishek Saxena

(M) 7588766010/ 7021709825

Email: saxenaabhishek01@gmail.com

ADDRESS FOR CORRESPONDENCE

Prof. S. S. Metkar,

Coordinator

Department of Petrochemical Engineering

Dr. B. A. Technological University

Lonere – 402103, Dist.: Raigad, Maharashtra

E-mail: sangeeta.metkar16@gmail.com

For more details, visit: www.dbatu.ac.in

Dr. BABASAHEB AMBEDKAR
TECHNOLOGICAL UNIVERSITY
LONERE – 402 103
(Maharashtra, India)

Under TEQIP-III Scheme

TEQIP-3

Technical Education Quality Improvement Programme

Department of Petrochemical
Engineering
Organizes

5-Day Short Term Training
Programme

on

Integrated Approach towards Water
Processing and Management

15 – 19 October 2019



Vidyavihar, Lonere
www.dbatu.ac.in



**Dr. Babasaheb Ambedkar Technological University,
Lonere - Raigad 402103**

A Report on 2-Day Workshop for Industry Professionals on Wastewater Management

Duration: 17 – 18 January 2020

Venue: Conference Hall, Dr. BATU Lonere

Organizer: Department of Petrochemical Engineering

Coordinator: Dr. S.M.Mhatre

Department of Petrochemical Department had organized a 2 day workshop on “wastewater Management” during 17-18 January 2020. The highlights of the workshop are given below,

Day 1: 17/01/2020

The guest of honour for the inauguration function was Dr.P.V.Vijaybabu, seniourmost faculty of the University and Chemical Engineering department. The function started with Lamp lightning ceremony followed by University song. After the song Dr. S. M. Mhatre gave a brief introduction about the workshop followed by the guidance of Dr. Shyam Asolekar, IIT Powai. Dr. P.V.Vijaybabu delivered the inaugural address. The two sessions in the Morning were taken by Dr. Shyam Asolekar, Professor from IIT Powai and Dr. Yashwant Sontakke, Joint Director, MPCB. There were three sessions in the afternoon conducted by Dr. Asolekar and his team in which one session was tutorial based where participant had taken active part. All the participants were from different Industries like Gharda Chemicals, Rallies India Ltd, WTE Pune, Wanbury Ltd, Ruchi Soya LTD, BEC chemicals, ISMT, CETPs, government offices like nagarpalika and grampanchyat as well as some are from academic institutions. The main attraction for evening session was Role of NGOs in protection of environment and conservation of ecology by Mr. Bhau Katdare and team from NGO Sahyadry Nisargmitra Mandal Chiplun. Then there was a discussion on Government – Industry – Academia collaboration for long-term partnership Facilitated by Mr. Yogen Parikh, Indian Environmental Association, Mumbai.

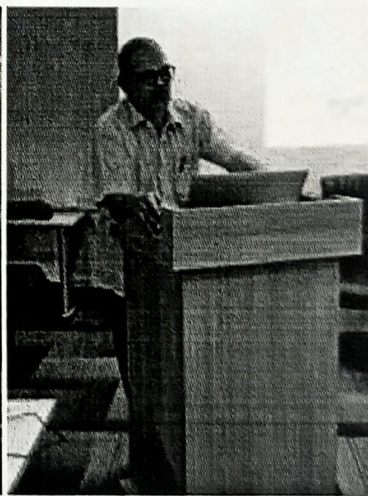
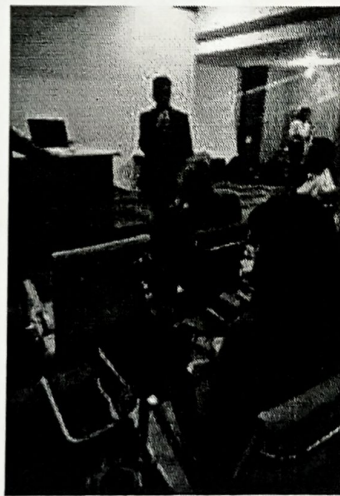
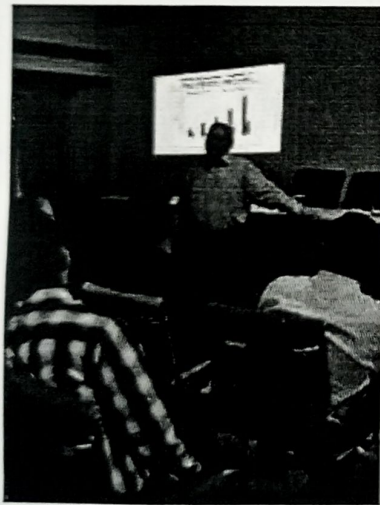
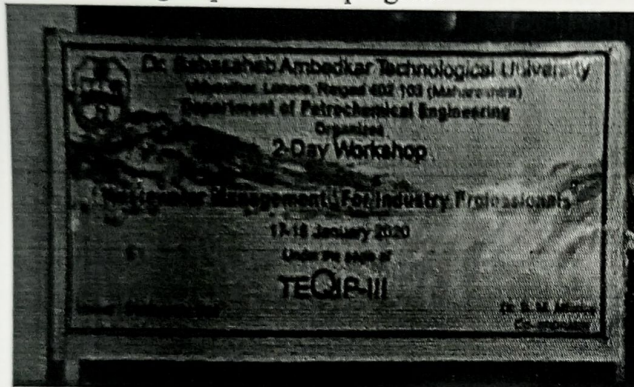
Day 2: 18/01/2020

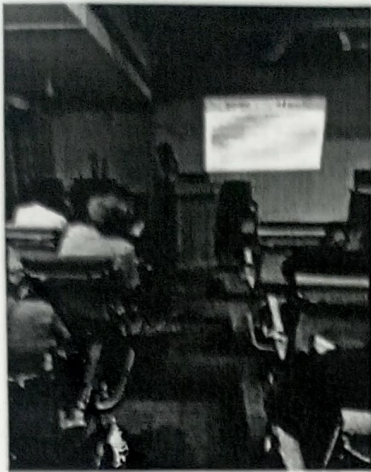
Morning session started with the topics covering some physiochemical and biological domestic and advanced techniques in waste water treatments by Dr. Asolekar and his team from IIT powai. Then Mr. Yogen Parikh and Dr. Shyam Asolekar Conducted a technological clinic where the real life technological problems were discussed with participants. The eco centric technologies for water treatment and reuse where discussed by Asolekar sir followed by water conservation and harvesting by Dr. S.P.Danao, DGTS, Pune. The next session was based on a case study of effluent treatment at refinery of BPCI by Mr. Atul Vyavhare. And the workshop ended with question answer session followed by Valedictory function. Dr. S. M. Mhatre had given the quick overview about the outcomes of the workshop and Dr. Asolekar had given concluding remark. Dr. U.S.

S. Asolekar
Dr. S. S. Mhatre

Deshmukh, former Dy. Director ONGC was the chief guest for valedictory function. After the Valedictory speech of Dr. Deshmukh, the certificates were distributed to participants. The participants gave their feedback about the workshop. Vote of thanks was conveyed by Dr. S. P. Danao. By considering need from industry and society, similar workshop will be arranged soon probably in the month of May-June.

Some of the glimpses of the program





S. S. Metkare
Dr. S. S. Metkare
Head,
Department of Petrochemical Engineering
Dr. Babasaheb Ambedkar Technological University
Lonere-Rajgad



REPORT ON CYBER SECURITY

06th to 10th January 2020 at Dr. Babasaheb Ambedkar
Technological University, Lonere

AICTE TRAINING AND LEARNING ACADEMY, VADODARA

CYBER SECURITY WORKSHOP

Cyber Security, a 5-Days AICTE sponsored workshop was conducted by All India Council of Technical Education and Dr. Babasaheb Ambedkar Technological University organized by Department of Electronics and Telecommunication Engineering and Department of Information Technology dated from 06th January 2020 to 10th January 2020 full day in which 62 participants across the country participated for the same.

Following were the speakers for 5-day workshop on Cyber Security,

Mr. Krishna Kumar, EPS Business Advisor



Mr. Krishna Kumar holds the qualification B. Com, MBA, DCP. Started his career as a Techno-Banker with major brands in Banking & Technology companies leading to a CEO position in C-EDGE Technologies Ltd. He founded SIDR Solutions & Technologies Pvt. Ltd. in 2017 to provide Cyber Security as a service that major corporates will require for prevention of computer crime, protection of company's infrastructure, data, IPs, classified information & prevention of data leak.

Dr. N. J. Uke, Trinity College Principal



Dr. N. J. Uke is a computer science graduate from Amravati University in the year 1995 who proceeded on further to do the masters from Bharati Vidyapeeth opting to do a Ph.D. in Computer Science from STUM University in 2014. He is currently designated on the post of Principal in Trinity Academy of Engineering Pune, Maharashtra. He was awarded with the young scientist award in 2018 by IOSRD. He has delivered more than 120+ guest lectures on various domains of computer and information technology at different engineering colleges In Pune University. In 2017 he was awarded with the cybercrime helpline award 2017 organized by Digital Task Force & Cyber Helpline at Pune.

Mr. Santosh Mundhe Cyber Ambassador Solution Pvt. Ltd.



He is the founder of Chbosky Cyber Ambassador Solution Pvt. Ltd. He has delivered 27+ Workshops/ seminars/ lecture conducted on Cyber Security Training and Awareness. He has delivered 13+ lectures on Soft Skill Development. He has 3-year work experience as Event Planner. He worked as Team MEMBER OF "Nashik Police Marathon"

Mr. Amar Thakre, Lumiverse Solutions Pvt. Ltd.



Mr. Amar Thakre is the Government Council Member of Maharashtra Chambers of Commerce Industry and Agriculture. He is Secretary of Nashik IT Association. He worked as a Cyber Forensic investigator for Maharashtra & Gujarat Police. He has solved 240+ Cyber Fraud cases, 100+ VAPT Analysis for Bank and Corporate sector, 400+ Workshop/seminar/lectures conducted on cyber security training & awareness.

Mr. R. K. Pillai, Marcraft



Mr. R. K. Pillai, Presently the founder Director of USIIC (US India Importers Council).holds the qualification B Tech in Electronics and Telecommunication from NIT, Surathkal in 1982. Worked with Aimil Ltd, a leading instrumentation company in India, for the last 30 years. Was the area manager for more than a decade in the Mumbai area office of Aimil. Headed the division of National Managers for business development of 5 verticals of Aimil. Has been associated with various business partners from USA, Europe and Japan in the field of instrumentation.

Mr. Ravindra Pande, India Training Service



Mr. Ravindra Pande holds B.E in Computer Technology and M.B.A. in finance. He has 21 years of profound IT experience. He has been privileged to have had the opportunity to work in diversified industries in world-wide locations like US, Europe, Middle East & India. Lead many teams thru strategy design and IT steering committees as well as task-forces like SME, COE, Estimation group, SEPG, PMO and Agile implementations thru trainings & frequent reviews

Dr. S. M. Jadhav, Professor and Head- IT, DBATU Lonere.



Dr. S.M. Jadhav holds M.E. Computer Engineering and PhD from DBATU. Presently he is working in the capacity of Professor and Head of Information Technology Department. He has 30 years of teaching and research experience. He received UGC's Teacher Fellowship award under FIP to complete Ph.D. Study.

Dr. Sanjay Madria, Missouri University, USA



Sanjay Kumar Madria received his Ph.D. in *Computer Science* from *Indian Institute of Technology, Delhi, India* in 1993. He is a *Cum Laude Distinguished Professor* in the Department of Computer Science at the *Missouri University of Science and Technology* (formerly, *University of Missouri-Rolla*), USA. Earlier he was *Visiting Faculty* in the Department of Computer Science, *Purdue University, West Lafayette, USA*. He has published more than 250+ Journal and conference papers in the areas of *mobile computing, sensor networks, security, cloud computing, etc.* He has graduated 45 students which includes 12 Ph.Ds. He also five IEEE best paper awards in conferences including *IEEE SRDS 2015, IEEE MEMM in 2011 and 2012*.

Mr. Amey Tambe, Director, SoftTech Data Securities, Pune



Amey Tambe is founder and director of *SoftTech Data Securities*. He is *specialist* in formulating and implementing the *System and Network Security Policies Procedures & implementations* with the ability to relate theory with practice. He is *person* *specialist* in streamlining the *Blockchain* technology with focus on *authenticity and security* in *ISMS, System Security Auditing, Risk Assessment, Network security, Network access auditing, forensic Investigation and Malware analysis*. He obtained *trustis* certifications related to computer security and *Blockchain* like *Certified Information Systems Security Professional (CISSP)*

Dr. Naresh Kumar Harale, Asst. Vice-President, Development Bank of Singapore Mumbai Pvt. Ltd.



Dr. Nareshkumar Harale holds *PhD in Computer Science and Engineering*, Having *25+ Years* of progressive experience in *Cyber SOC Engineering, Incident Response Management, Threat Hunting and Investigations, Information Security and IT Strategy, Technical Risk Assessment, Application Security Engineering and Offensive Security, Threat Intelligence Platform and Services, Security Advisory Services, Data Privacy, Technology Advisor, Information and Data Security Frameworks/Standards - ISMS/ITSMS/BCMS/CoBIT/PCI DSS/SOX/HIPPA Implementation and Gap Assessment, Auditing, Cloud Security Design, Implementation, Transition, Operation and Compliance Management, Data Centre Infrastructure design, operation and compliance Management, Network and Application Penetration Testing, Third Party Risk Assessment, Compliance and Governance and Data Protection and Privacy*.

Mr. Yogesh Jadhav, Corporate Trainer






Mr. Yogesh Jadhav did *M.E. Computer Engineering* from *Mumbai University*. He has *8 years* of teaching experience. He has established his own training firm. He is a *Corporate Trainer, Web Developer, NS2 Developer*. He has conducted several workshops on *Kali Tools for System Security and Digital Forensic, Cyber Security, Networking with Linux etc.*

• FDP Schedule

AICTE Training and Learning (ATAL) Academy Programme							
Cyber Security Schedule							
Dates\Time	9:30 AM to 10:00 AM	10:00 AM to 11:30 AM	11:30 AM to 11:45 AM	11:45 AM to 01:15 PM	1:15 PM to 2:30 PM	2:30 PM to 04:00 PM	4:00 PM
6-Jan-20	T E A B R E A K	Registrartion and Inauguration	T E A B R E A K	Session 1 Cyber Frauds Mr. Krishna Kumar, EPS Business Advisor	L U N C H B R E A K	Session 2 Effective searching & Google Dorking Dr. N. J. Uke, Trinity College Principal	T E A B R E A K
7-Jan-20		Session 3 Intrusion Detection & Prevention System Mr. Amar Thakre, Lumiverse Solutions Pvt.		Session 4 Multimedia Security Mr. Santosh Mundhe Cyber Ambassador Solution Pvt. Ltd.		Session 5 E-mail & Malware Security(Hands-on) Mr. Amar Thakre, Lumiverse Solutions Pvt.	
8-Jan-20		Session 6 Prospects of Cyber Security Mr. R. K. Pillai, Marcraft		Session 7 Cyber Law & IPR Dr. S. M. Jadhav, OBATU		Session 8 Cyber Forensic (Hands-on) Mr. Ravindra Pande, India Training Service	
9-Jan-20		Session 9 Hacking Android Apps for Fun & Profit(Hands-on) Mr. Ravindra Pande, India Training Service		Session 10 Cyber Crime Investigation Dr. Sanjay Madria, Missouri University, USA		Session 11 Ethical Hacking(Hands-on) Mr. Amey Tambe, Soft Tech Data security	
10-Jan-20		Session 12(8:00 AM to 9:30 AM) Cyber Security & Privacy (Hands-on) Dr. Nareshkumar Harale, Asst. Vice-President,		Session 13(10:00 AM to 11:30AM) Cryptographic Primitives for Real World Dr. Nareshkumar Harale, Asst. Vice-President,		Session 14(11:30 AM to 1:00PM) Data Recovery & Cyber Crime Mr.Y. H. Jadhav, Corporate Trainer	

Inauguration of 5- DAY AICTE Workshop on Cyber Security.



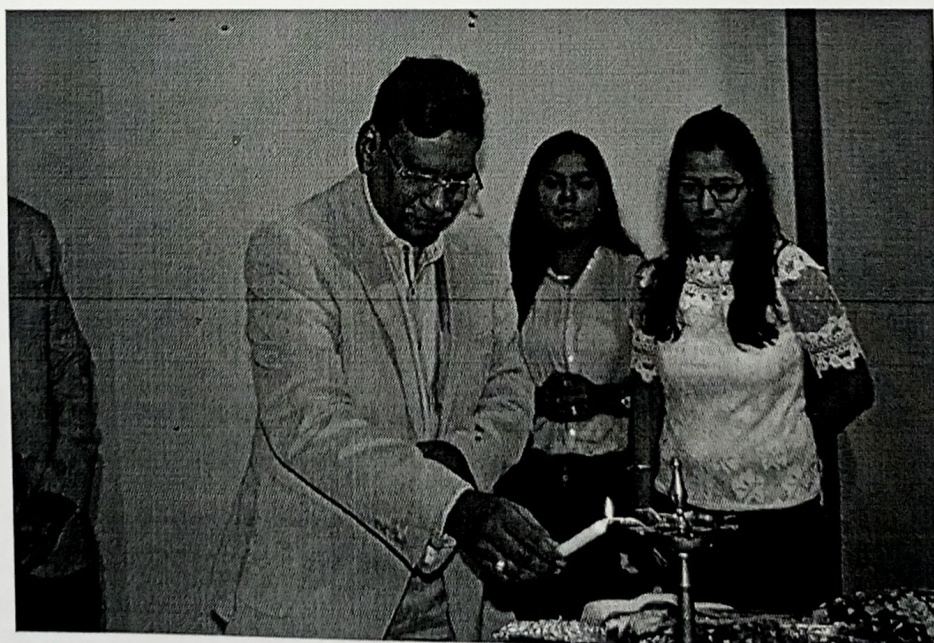
One Week **AICTE** Training and Learning (**ATAL**) Academy Programme
on
Cyber Security
(6th to 10th January 2020)

Venue

Dr. Babasaheb Ambedkar Technological University, Lonere
(Conference Hall)

Dr. S. M. Jadhav (IT Department) Coordinator	Dr. S. L. Nalbalwar (E&TC Department) Coordinator
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The inauguration was chaired by Dr. V. R. Sastry, Vice Chancellor, Dr. Babasaheb Ambedkar Technological University, Lonere, Dr. S.M. Jadhav, Professor and Head, Department of Information Technology, Dr. S. L. Nalbalwar, Dean Academics (FE&T), Dr. Babasaheb Ambedkar Technological University, Lonere, The welcome address was given by coordinators of FDP Dr. S. M Jadhav and Dr. S. L. Nalbalwar. The 5- days AICTE Workshop on “Cyber Security” was inaugurated by Dr. V. R. Sastry, Vice Chancellor, Dr. Babasaheb Ambedkar Technological University, Lonere.



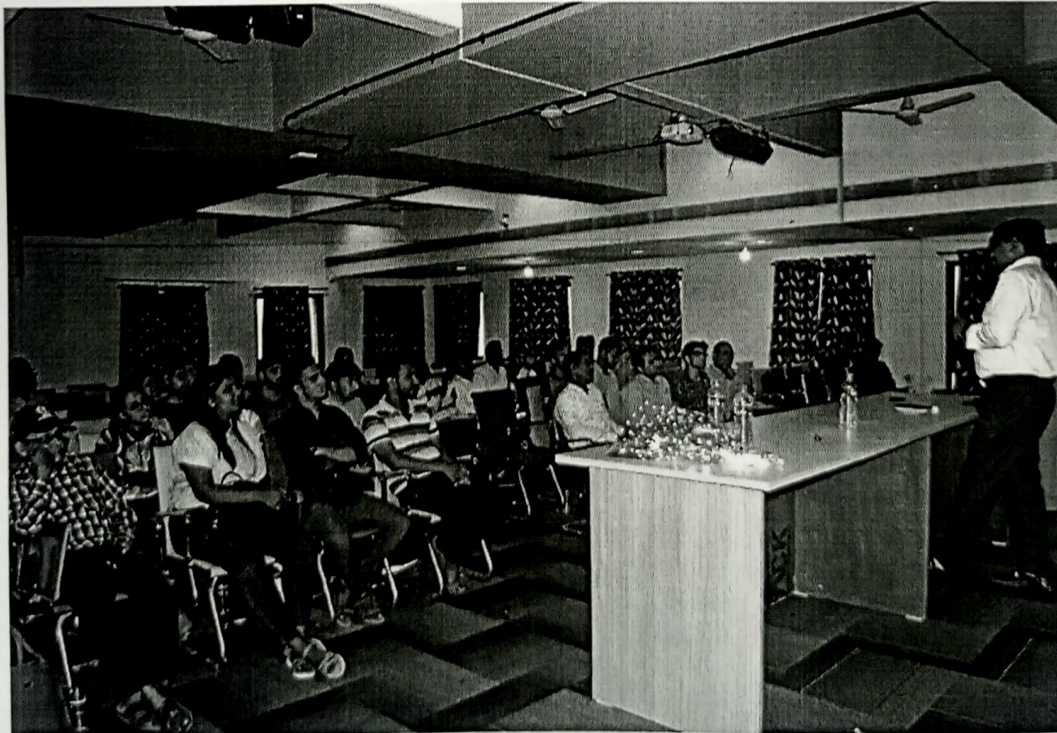
The Day-1 session-1

The Day-1 workshop started with a wonderful session by Mr. Krishna Kumar, EPS business advisor. He delivered the session on Cyber Frauds.



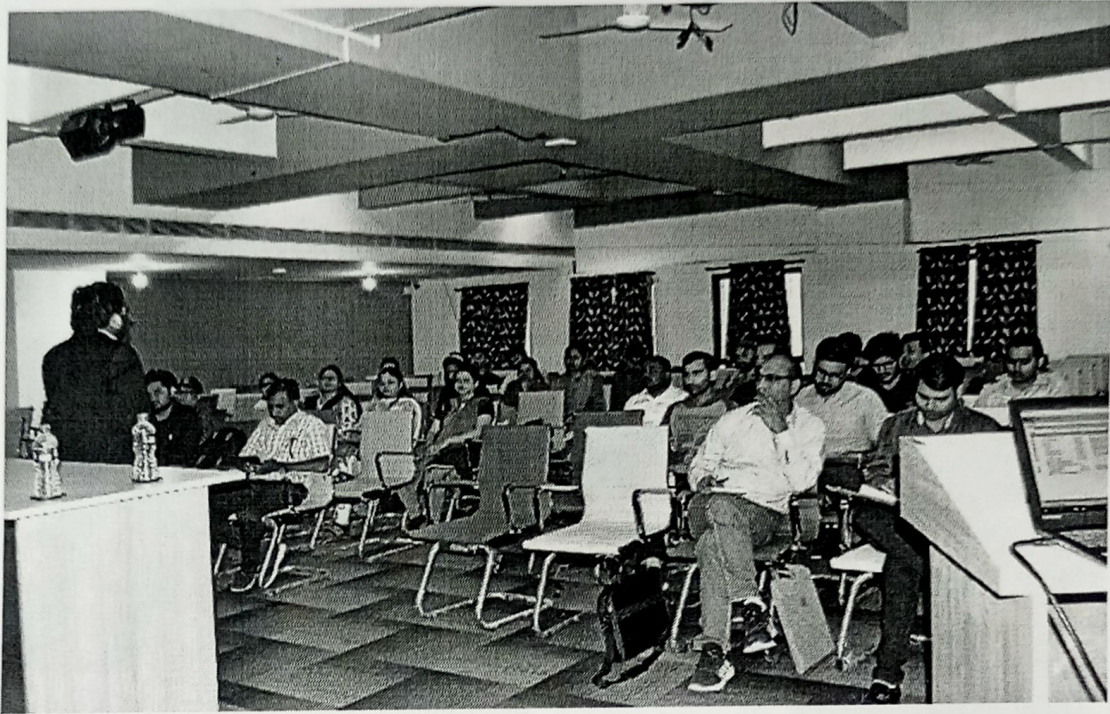
Day-1, Session-2

Dr. N. J. Uke, Principal, Trinity College, conducted 2nd session on “Effective Searching & Google Dorking”.



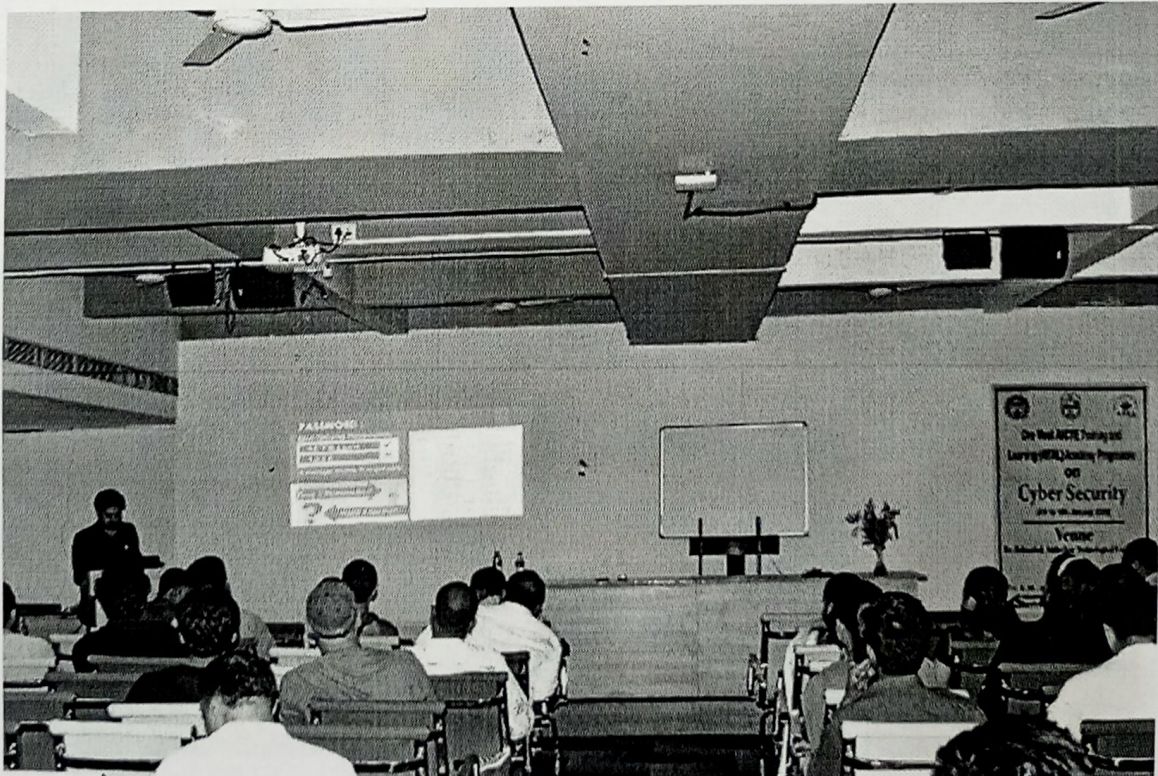
Day 2, Session-1:

The 1st session of second day was conducted by Mr. Amar Thakre on 'Intrusion Detection and Prevention System.'



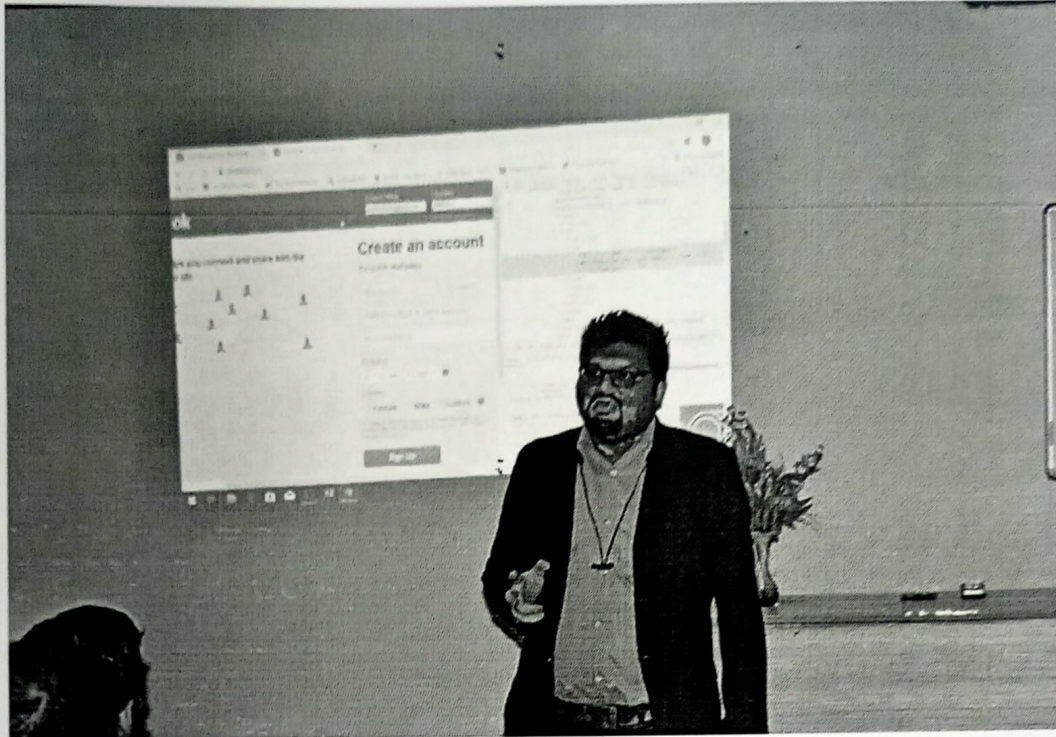
The Day-2 session-2

The 2nd session of second day was conducted by Mr. Santosh Mundhe on 'Multimedia Security'



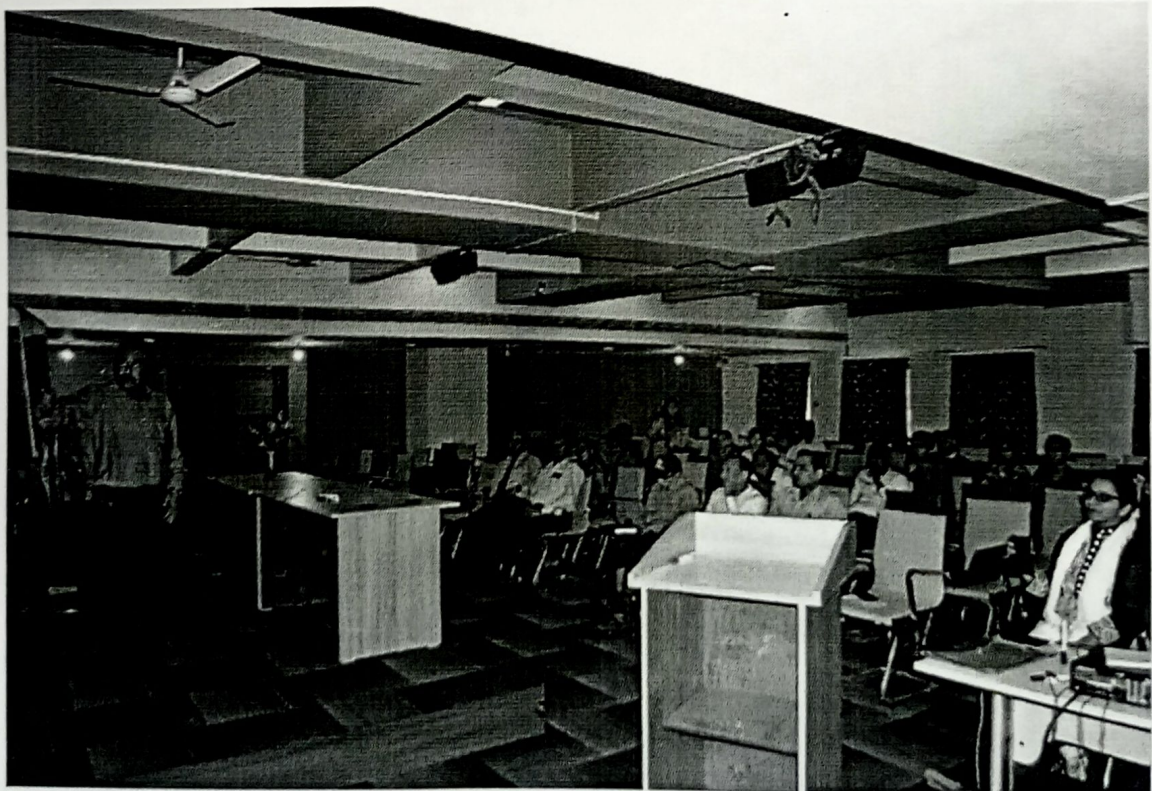
The Day-2 session-3

The 3rd session of second day was conducted by Mr. Amar Thakur on 'Hands on Email and Malware Security'



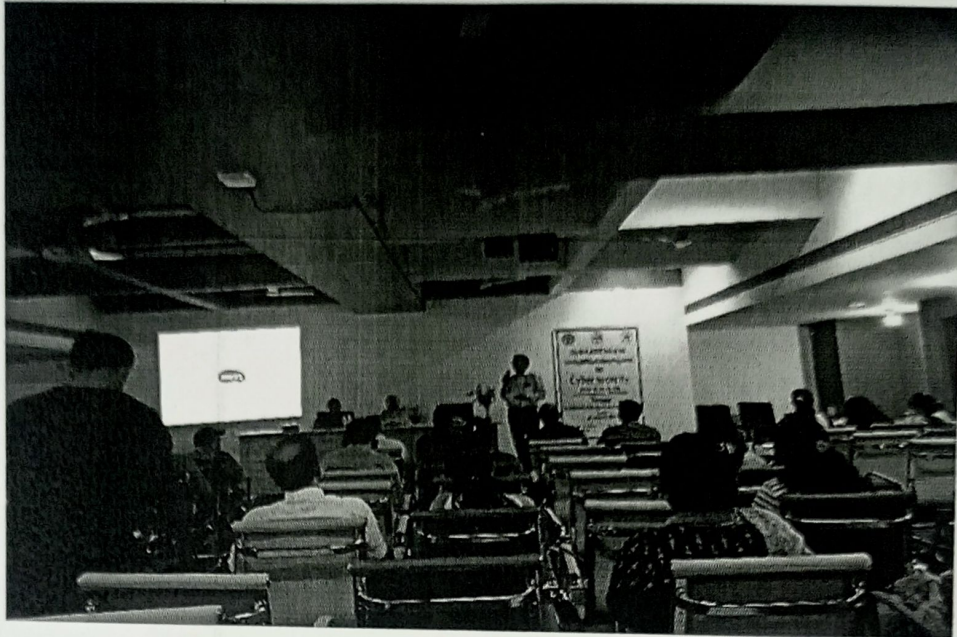
The Day-3 session-1

In the first session of third day, Mr. R. K. Pillai delivered the lecture on 'Prospectus of Cyber Security.'



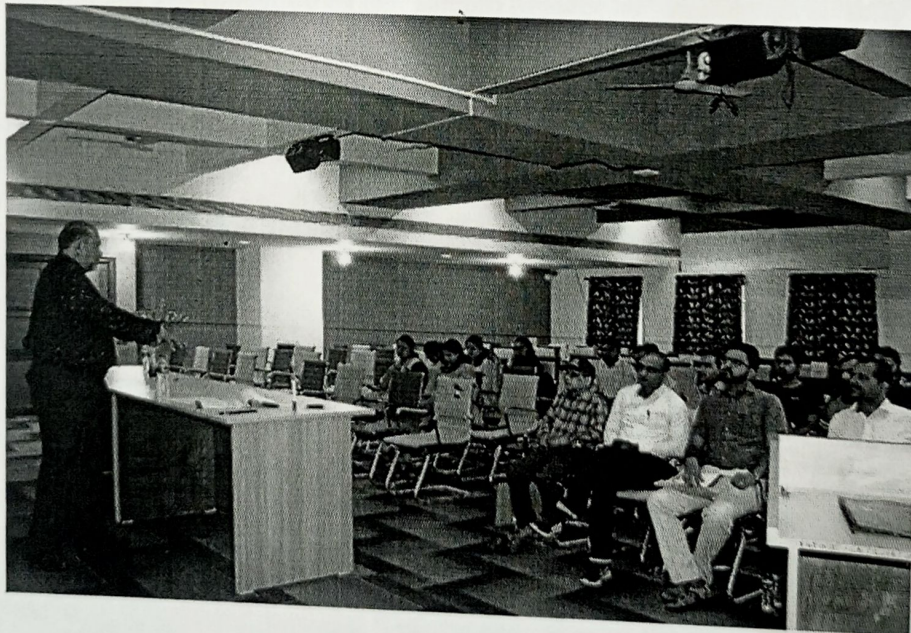
The Day-3 session-2

In the second session Dr. S.M. Jadhav delivered the talk on 'Cyber law and IPR'.



The Day-3 session-3

In the third session of third day, Mr. Ravindra Pandey conducted 'Hands on Cyber Forensic.'



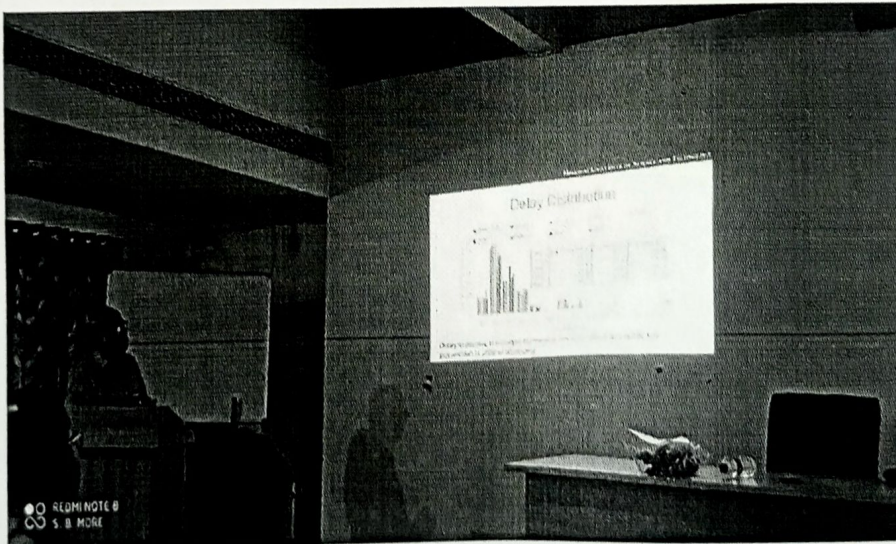
The Day-4 session-1

First session of fourth day conducted by Mr. Ravindra Pandey on 'Hands- on Hacking Android Apps for fun and Profit.'



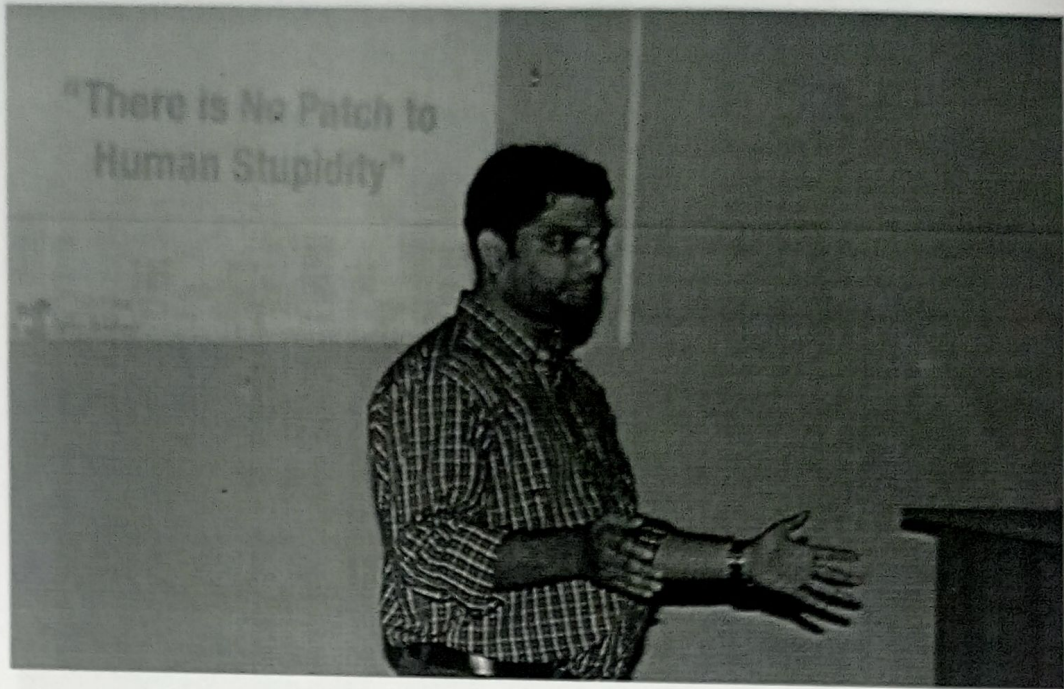
The Day-4 session-2

Second session of fourth day conducted by Prof. Dr. Sanjay Madriya on 'Cyber Crime Investigation.'



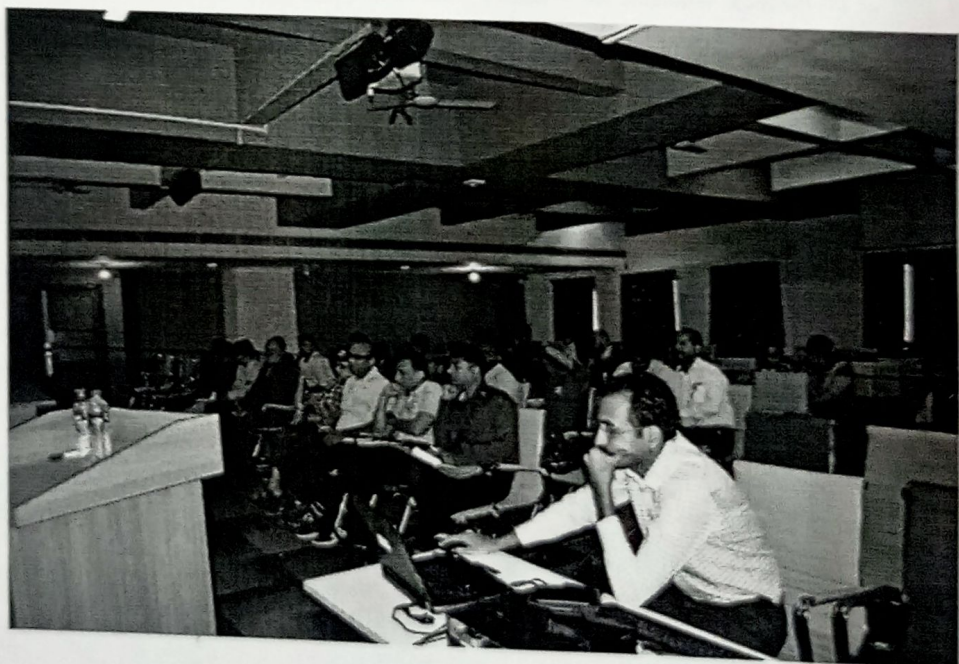
The Day-4 session-3

Third session of fourth day conducted by Mr. Amey Tambe on 'Hands-on Ethical Hacking'.



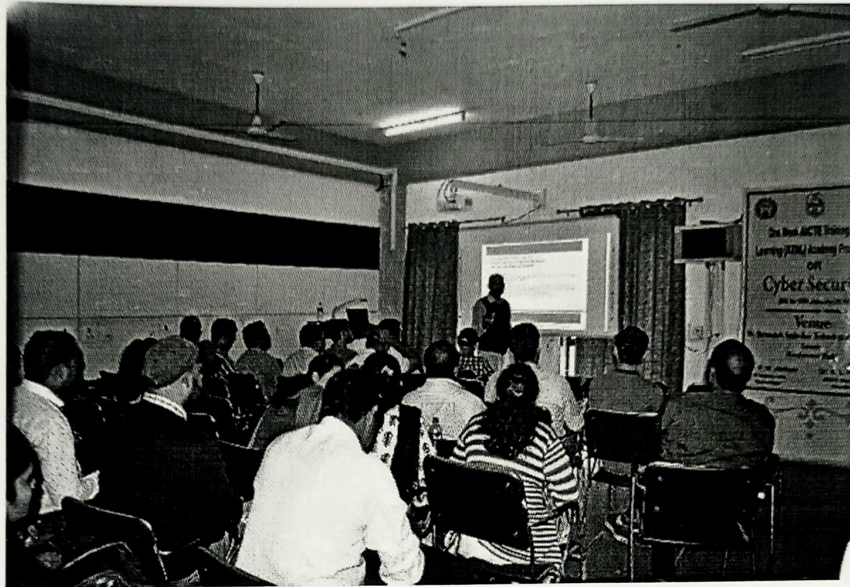
The Day-5 session-1

First session of fifth day conducted by Mr. Yogesh Jadhay on 'Hands-on Data Recovery and Cyber Crimes'



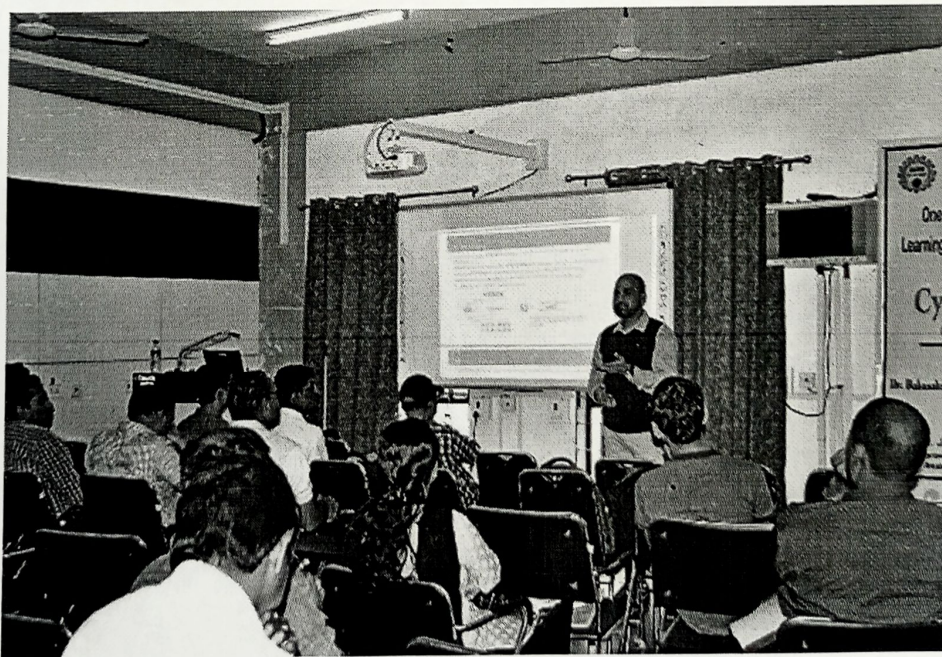
The Day-5 session-2

Second session of fifth day conducted by Dr. Naresh Kumar Harale on 'Cryptographic primitives on Real World Hands-on Data Recovery and Cyber Crimes'



The Day-5 session-3

Third session of fifth day conducted by Dr. Naresh Kumar Harale on 'Hands-on Cyber Security and Privacy'



- **Feedback and valedictory Function**

At the end of program the feedback session was conducted where the participants were freely offered to come on the dice to give the feedback without any hesitation. Accordingly, many candidates given their valuable feedback as well as suggested the possible improvements that can be made for future FDP's. The workshop was a success as all the participants got aware about the cyber threats and prevention.

FDP Coordinator Dr. S. M. Jadhav given thanks to all participants for their active participation in FDP. Last but not least he congratulated his entire team for successfully conducting this esteemed FDP on 'Cyber Security.'



Valedictory function and photo session with participants and resource person

6.3.3 - Number of professional development / administrative training Programmes organized by the institution for teaching and non-teaching staff during the year

Due to Covid 19 pandemic, not much programs were organized by institution for teaching and non teaching staffs.

Report
On
Two Days Online Workshop on Satcom Antennas

"Two Days Online Workshop on SATCOM Antennas, November 28-29, 2020" Conducted by the Department of Electronics and Telecommunication Engineering, Dr. Babasaheb Ambedkar Technological University (DBATU), Maharashtra, India in association with Indian Space Industries Exhibitors, ATMS India, NUMEREGION and Space Geeks.

It was a great pleasure to had eminent ex-ISRO scientists Prof. Anil Mathur, Prof. V. K. Jain, Prof. R. K. Malaviya and Prof. B. D. Mehta who have immensely contributed to the field of Satellite Communication in India. It was also a pleasure to have the knowledge support from Indian Space Industries Exhibitors, ATMS India, Numeregion and Space Geeks for designing this workshop, planning the sessions and arranging speakers. We were also fortunate to had Prof. S. V. Khobragade from DBATU who will be delivered expert lecture on Microstrip Antennas. This Workshop provided opportunity for students to get exposure to SATCOM Antennas which is a globally rising field.

This Workshop is divided into 7 virtual sessions of 1 to 1.5 hours each by researchers/experts working in the field of Satellite Communication and allied areas. This workshop is for undergraduate students in Engineering and Science interested in Satellite Communication.

Contents of the Course and Speakers

1. SATCOM and its Applications
2. SATCOM Antennas Basic
3. Physics of Antennas
4. Antenna Design using TaraNG software
5. Mechanical Engineering Aspects in Antennas
6. Antenna Measurements and Testing
7. Design of Fractal Microstrip Antenna

Four of the above sessions was conducted by retired scientists from Space Application Center, ISRO. One session will be conducted by a faculty from DBATU. Two sessions will be jointly conducted by experts from Numeregion and Space Geeks.



Workshop Schedule

Day 1 November 28, 2020.

Day 1 Saturday November 28, 2020	Details of the Sessions and Speakers
Session 1	11:00 am-12:30 pm SATCOM and its Applications Speaker: Mr. V. K. Jain (Retd. Head, Space Application Center ISRO)
Break for Lunch	12:30 pm-1:30 pm
Session 2	1:30 pm-3:00 pm SATCOM Antennas Speaker: Mr. B. D. Mehta (Retd. Head, Space Application Center ISRO)
Break	3:00 pm-3:30 pm
Session 3	3:30 pm-5:00 pm Basic Physics of Antennas Speakers: Mr. Chintamani Pal (Co-founder, Space Geeks) and Dr. Vaibhav Rawoot (Chief Resource Expert, Space Geeks)

Day 2 November 29, 2020.

Day 2 Sunday November 29, 2020	Details of the sessions
Session 4	11:00 am-12:30 pm Design of Fractal Microstrip Antenna Speaker: Dr. Sanjay Khobragade (Associate Dean, Skill Development, EC Member, DBATU)
Break for Lunch	12:30 pm-1:30 pm
Session 5	1:30 pm-3:00 pm Mechanical Engineering Aspects in Antennas Speaker: Mr. A. C. Mathur (Retd. Group Director, Space Application Center ISRO)
Break	3:00 pm-3:30 pm
Session 6	3:30 pm-5:00 pm Antenna Measurements and Testing Speaker: Mr. R. K. Malaviya (Retd. Head, AMD, Space Application Center ISRO)
Break	5:00 pm-5:30 pm
Session 7	5:30 pm-7:00 pm Antenna Design using TeraNG software Speaker: Mr. Swapnil Gaul (Founder, Numaregion)

6.3.3 - Number of professional development / administrative training Programmes organized by the institution for teaching and non-teaching staff during the year

6.3.3 Average number of professional development / administrative training programs organized by the institution for teaching and non teaching staff during the last five years (8)

Year	Dates (from-to) (DD-MM-YYYY)	Title of the professional/ administrative development program organized for the teaching staff/ non-teaching staff	No. of participants
2021-22	6/09/2021-10/09/2021	One week FDP on "Innovation Management", sponsored by AICTE Training And Learning(ATAL) Academy and organized by Dr. BATU at Lonere	12
2021-22	03/01/2022-07/01/2022	One week FDP on "Advanced Cyber Security", sponsored by AICTE Training And Learning(ATAL) Academy and organized by Dr. BATU at Lonere	12
2021-22	10/04/2021- 10/04/2021	Session on Problem Solving and Ideation Workshop	53
2021-22	10/29/2021- 10/29/2021	Pitching Event for Ideas Scouted & linkage with Innovation Ambassadors for mentorship support.	35
2021-22	10/21/2021- 10/21/2021	My Story - Motivational Session by Successful Entrepreneur/Start-up founder.	98
2021-22	09/14/2021- 09/14/2021	My Story - Motivational Session by Successful Innovators.	40
2021-22	11/20/2021- 11/20/2021	Workshop on "Entrepreneurship and Innovation as Career Opportunity"	42
2021-22	11/11/2021- 11/11/2021	National Education Day	40
2021-22	11/04/2021- 11/04/2021	India Startup Day	44
2021-22	10/15/2021- 10/15/2021	National Innovation Day	43
2021-22	10/06/2021- 10/06/2021	Negotiating Skills and Techniques	47
2021-22	10/06/2021- 10/06/2021	Project Feasibility and Viability	49
2021-22	10/07/2021- 10/07/2021	Business Plan: Need and Importance	46
2021-22	10/09/2021- 10/09/2021	Personality Communication and Decision Making	41
2021-22	02/07/2022- 02/07/2022	Session on Achieving Problem-Solution Fit & Product-Market Fit	30
2021-22	02/22/2022- 02/22/2022	Workshop on Entrepreneurship Skill, Attitude and Behavior Development	33

REGISTRAR
Dr. Babasaheb Ambedkar Technological University
LONERE - 402 103
Tal. Mangaon, Dist. Rajgad, (Maharashtra)

PROFESSOR & HEAD
Department of Electronics & Telecommunication Engg.
Dr. Babasaheb Ambedkar Technological University
Lonere - Rajgad - 402 103

2021-22	02/03/2022- 02/03/2022	Expert talk on "Process of Innovation Development & Technology Readiness Level (TRL)" & "Commercialisation of Lab Technologies & Tech-Transfer"	37
2021-22	03/01/2022- 03/01/2022	Workshop on Design Thinking, Critical thinking and Innovation Design	40
2021-22	02/04/2022- 02/04/2022	Pitching Event for PoCs developed & linkage with Innovation Ambassadors for mentorship support.	36
2021-22	02/25/2022- 02/25/2022	Orientation Session on IIC4.0 & Features	42
2021-22	02/28/2022- 02/28/2022	National Science Day	67
2021-22	02/08/2022- 02/08/2022	National Energy Conservation Day(India)	57
2021-22	12/02/2021- 12/02/2021	National Pollution Control Day	36
2021-22	09/07/2021- 09/07/2021	Innovation in Modern Economy	129
2021-22	09/07/2021- 09/07/2021	Innovation Pathway from Unmet Need	118
2021-22	09/07/2021- 09/07/2021	Filing Patent, Copyright and Trademark	84
2021-22	09/08/2021- 09/08/2021	Model of Innovation Process	110
2021-22	09/07/2021- 09/07/2021	ESTABLISHMENT OF INNOVATION AND ECOSYSTEM IN IIC	101
2021-22	05/13/2022-05/13/2022	National Technology Day	27
2021-22	05/12/2022-05/12/2022	World Intellectual Property Day	28
2021-22	05/12/2022-05/12/2022	World Earth Day	24
2021-22	05/11/2022-05/11/2022	Workshop on Intellectual Property Rights (IPRs) and IP management for start up	22
2021-22	05/07/2022-05/07/2022	Session/ Workshop on Business Model Canvas (BMC)	24
2021-22	05/13/2022-05/13/2022	Session on "How to plan for Start-up and legal & Ethical Steps"	45
2021-22	08/01/2022-08/01/2022	Participation of IIC Institutions in IIC Regional Meets	4
2021-22	06/20/2022-06/20/2022	Out of the box thinking for problem solving	26
2021-22	06/05/2022-06/05/2022	World Environment Day	50

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PROFESSOR & HEAD
Department of Electronics & Telecommunication Engg.
Dr. Babasaheb Ambedkar Technological University
Lonere - Rajgad - 402 103

2021-22	08/05/2022-08/05/2022	Demo Day/Exhibition/Poster Presentation of Business Plan/Prototype developed & linkage with Innovation Ambassadors for mentorship support.	38
2021-22	08/16/2022-08/16/2022	Innovation & Entrepreneurship in HEIs for Aatmanirbhar Bharat & Celebrating 75 Years of Independence -Azadi Ka Amrit Mahotsav	20
2021-22	08/21/2022-08/21/2022	World Entrepreneurs Day	38
2021-22	05/13/2022-05/13/2022	Session/ Panel discussion with innovation and Start-up Ecosystem Enablers from the region/state/national level	45
2021-22	08/30/2022-08/30/2022	Demo Day/Exhibition/Poster Presentation of Start-ups developed & linkage with Innovation Ambassadors for mentorship support.	46
2021-22	08/18/2022-08/18/2022	Session on Accelerators/Incubation - Opportunities for Students & Faculties - Early Stage Entrepreneurs	65
2021-22	06/15/2022-06/15/2022	Session On Building Innovation Model Using Blockchain Technology	74
2021-22	06/27/2022-06/27/2022	Session On Writing Business Plan	79
2021-22	07/25/2022-07/25/2022	Session On Prototyping & Identifying Best Ideas	43
2021-22	08/01/2022-08/01/2022	Session On Creativity & Innovation	61
2021-22	07/16/2022-07/16/2022	Session On What Is Innovation	61
2021-22	08/03/2022-08/03/2022	Session On Innovations With Design Thinking	45
2021-22	20/09/2021-24/09/2021	One week professional skill development program on IPR	21

PROFESSOR & HEAD
 Department of Electronics & Telecommunication Engg.
 Dr. Babasaheb Ambedkar Technological University
 Lonere - Nagpur - 422 103

Dr. Babasaheb Ambedkar Technological University, Lonere

WEBINAR ON "Career Opportunities in Cyber Security" CONDUCTED BY DEPARTMENT OF INFORMATION TECHNOLOGY

About the Webinar:

Department of Information Technology organized 1st Cyber Security Webinar on "Career Opportunities in Cyber Security" for all students & faculties. Cybersecurity is a great career to enter right now, as there is a high demand for professionals with these skills. The U.S. Bureau of Labor Statistics estimates that the employment of information security analysts will grow 31 percent from 2019 to 2029.

Number of Participants: 250 students.

Date and Venue:

The webinar took place in online mode on google meet on 15th May 2021. Speaker: Mrs. Nanda Chougule the CEO, founder of DigiSec360, a cyber security firm. She has professional expertise of 18 years. Nanda founded the firm following her drive to work for internet security and safety. Her key responsibilities include nurturing the venture, building client relationships, planning and strategy.

Webinar Content:

- Introduction
- Cyber security career opportunities
- Cyber security career paths
- How to start building your career in cyber security
- Get Certifications

The expert person for the webinar was, Mrs. Nanda Chougule the CEO, founder of DigiSec360, a cyber security firm. The programme started with an opening remark delivered by Dr. S. R. Sutar, HoD IT DBATU and it was initiated by main coordinator Dr. S. M. Jadhav and co-coordinators Prof. V. J. Kadam, Prof. S. S. Barphe, Prof. R. Babhulgaonkar, Prof. S. B. More and Prof. E. G. Meshram. The motive of this program was to give awareness on Career Opportunities in Cyber Security. The students were participated from across the affiliated DBATU university.

REGISTRAR
 Dr. Babasaheb Ambedkar Technological University
 Lonere - Nagpur - 422 103
 Tal. Mangaon, Dist. Nagpur, (Maharashtra)

Following are some screens shot captured during the session.

Dr. Babasaheb Ambedkar Technological University, Lonere

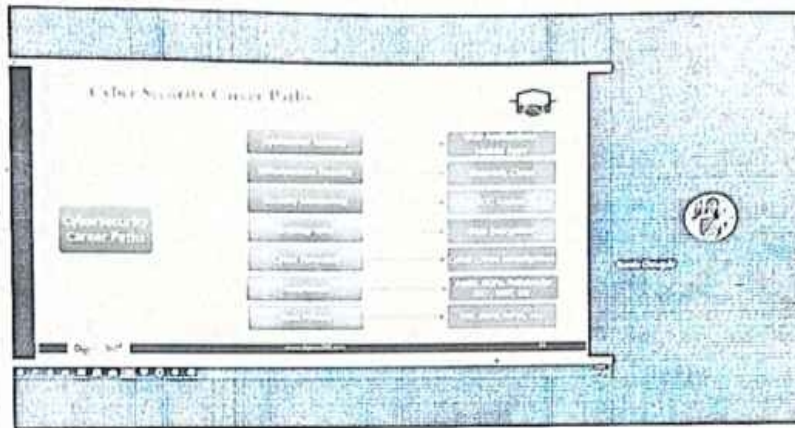
Department of Information Technology & DBATU Alumni Association

Webinar On
 Career Opportunities in Cyber Security

Nanda Chougule
 CEO, Founder, DigiSec360,
 Bangalore

15th May 2021
 11:00 AM - 12:00 PM IST

Link: <https://meet.google.com/rud-ijqa-djb>



Concluding Remarks:

After the session of Q & A session started and hosted by Mrs. E. G. Meshram and Mrs. Nanda Chougule responded on the queries.

The session was extremely useful for the participants and it was very knowledgeable and offered valuable information and tips of career on cyber security.

The Webinar was ended by Vote of Thanks given by Mr. S. B. More and closed the session talking about his experience for this session.



Dr. Babasaheb Ambedkar Technological University, Lonere

WEBINAR ON

“Cryptography: Key Ingredients of Digital World”

CONDUCTED BY

DEPARTMENT OF INFORMATION TECHNOLOGY

About the Webinar:

Department of Information Technology organized 2nd Cyber Security Webinar on “Cryptography: Key Ingredients of Digital World” for all students & faculties. In computer science, cryptography refers to secure information and communication techniques derived from mathematical concepts and a set of rule-based calculations called algorithms, to transform messages in ways that are hard to decipher. These deterministic algorithms are used for cryptographic key generation, digital signing, verification to protect data privacy, web browsing on the internet and confidential communications such as credit card transactions and email.

Number of Participants: 200 students

Date and Venue:

The webinar took place in online mode on google meet on 29th May 2021. Speaker: Dr. Shravani Shahapure did her PhD in Electrical, Electronics and Communications Engineering from VJTI Mumbai. Currently she is working as Coordinator – Cyber Security, Research at National CoE- Data Security Council of India. Previously she has worked as Project Research Scientist and Senior Project Engineer at IIT Bombay for more than three years. She has also worked as a research scholar at SICK, Germany.

Webinar Content:

- Introduction
- History of Cryptography
- Terminology used in Cryptography
- Goals of modern Cryptography
- Growth of Cryptography

The expert person for the webinar was, Dr. Shravani Shahapure. The programme started with an opening remark delivered by Dr. S. R. Sutar, HoD IT DBATU and it was initiated by main coordinator Dr. S. M. Jadhav and co-coordinators Prof. S. S. Barphe, Prof. A. R. Babhulgaonkar, Prof. S. B. More and Prof. E. G. Meshram. The

motive of this program was to give awareness on Cryptography: Key Ingredients of Digital World. The students were participated from across the affiliated DBATU university.

Following are some screens shot captured during the session.

Dr. Babasaheb Ambedkar Technological University, Lonere

Department of Information Technology & DBATU Alumni Association

Webinar ON Cryptography: key ingredient of digital world!

Dr. Shravani Shahapure
PhD- Cryptography (VJTI-IITB) Research Head and Coordinator Cyber Security at National CoE, Data Security Council of India

29th May 2021
11:00 AM -12:00 PM (IST)

Webinar will be on Google Meet YouTube

Dr. Babasaheb Ambedkar Technological University, Lonere

REPORT ON 6th CYBER SECURITY WEBINAR

Topic: "Deep and Dark web!"

CONDUCTED

BY THE DEPARTMENT OF INFORMATION TECHNOLOGY

About the Webinar:

Department of Information Technology organized 6th Cyber Security Webinar on "Deep and Dark web!" for all students & faculties. Deep web is the portion of the Internet that is hidden and not shown from conventional search engines. The dark web is a subset of the deep web which is intentionally hidden. To access this, one requires a password, encryption, or specialty software.

Number of Participants: 100 students

Date and Venue:

The webinar took place in online mode on Google meet on 27th Nov. 2021. Speaker: Mr. Mahendra Tipale Manager, Research/Software Development at Mandiant Intelligence. He did B Tech, Electronic & Telecommunication (Doctor Babasaheb Ambedkar Technological University) and PG-Diploma WIMC CDAC, Wireless & Mobile Computing (University of Pune). He is expertise in Technologies: Linux, Apache, Java, Tomcat, Shell Scripting, VMware, Automation testing.

Webinar Content:

- Introduction
- Difference between Dark and Deep Web
- Who uses the Deep web?
- Who Owns Dark web?
- Is Tor illegal?

The expert person for the webinar was, Mr. Mahendra Tipale. The programme started with an opening remark delivered by Dr. S. R. Sutar, HoD IT DBATU and it was initiated by main Prof. A. R. Babhulgaonkar and co-coordinators Prof. V. J. Kadam, Prof. S. S. Barphe. Prof. S. B. More and Prof. E. G. Meshram. The motive of this program was to give awareness on Deep and Dark web. The students were participated from across the affiliated DBATU university.

Dr. Babasaheb Ambedkar Technological University, Lonere

Department of Information Technology & DBATU Alumni Association

Dark Web!

Mr. Mahendra Tipale
Manager, Software Development at Mandiant Intelligence, Pune

Join us on Saturday, 27th Nov. 2021
From 11:00 AM to 12:00 PM

Coordinators:
1. Prof. A. R. Babhulgaonkar (9420952771)
2. Prof. S. B. More (9276743853)
3. Prof. E. G. Meshram

Concluding Remarks:

After the session of Q&A session started and hosted by Prof. S. B. More and Mr. Mahendra Tipale responded on the queries.

The session was extremely useful for the participants and it was very knowledgeable and offered valuable information.

The Webinar was ended by Vote of Thanks given by Prof. E. G. Meshram, IT and closed the session talking about his experience for this session.



Following are some screens shot captured during the session.



Dr. Babasaheb Ambedkar Technological University



Department of Information Technology & BBATU Alumni
Association

**Webinar
On
Network Security Fundamental**



Mr. Amol Khatavkar

B. Network Engineer, Gudy's Security Tech Services Pvt. Ltd, Pune

JOIN US ON SATURDAY, 16TH OCT. 2021 FROM 12:00 AM TO 12:00 PM

Click on

[Google Meet](#)

[Zoom](#)



(1)



Concluding Remarks:

After the session of Q & A session started and hosted by Prof. S.B. More and Mr. Amol Khatavkar responded on the queries.

The Webinar was ended by Vote of Thanks given by Prof. A. R. Babulgaonkar and closed the session talking about his experience for this session.

(2)

Dr. Babasaheb Ambedkar Technological University, Lonere

WEBINAR ON

"What's your Privacy status?"

CONDUCTED BY

DEPARTMENT OF INFORMATION TECHNOLOGY

About the Webinar:

Department of Information Technology organized 4th Cyber Security Webinar on "What's your Privacy status?" for all students & faculties. In computer science, cryptography refers to secure information and communication techniques derived from mathematical concepts and a set of rule-based calculations called algorithms, to transform messages in ways that are hard to decipher. These deterministic algorithms are used for cryptographic key generation, digital signing, verification to protect data privacy, web browsing on the internet and confidential communications such as credit card transactions and email.

Number of Participants: 100 students

Date and Venue:

The webinar took place in online mode on google meet on 2nd October 2021. Speaker: Mr. Sam Varughese Head - Security Strategy and Privacy Theme. He had experience in Jio Head - Infosys Strategy & Privacy, Palation Networks Vice President, Consulting.

Webinar Content:

- Types of privacy
- Internet Cookies-How we are tracked?
- Basic privacy principles across regulations
- Security Controls for Application
- What do you get by enforcing privacy

The expert person for the webinar was, Mr. Sam Varughese Head - Security Strategy and Privacy Theme, & Mrs. Shweta Nair. The programme started with an opening remark delivered by Prof. Rashmi Koskondawar and it was initiated by main coordinator Prof. A. R. Babhugankar and co-coordinators Prof. V. J. Kadam, Prof. S. S. Barphie, Prof. S. B. More and Prof. E. G. Mestram. The motive of this program was to give awareness on What's your Privacy status? The students were participated from across the affiliated DIBATU university.

Following are some screens shot captured during the session.



Dr. Babasaheb Ambedkar Technological University



Webinar
{ On }

What's your privacy status?



Mr. Sam Varughese

Head- Security & Privacy, Jio Pvt. Ltd., New Mumbai

Join us on Saturday, 26th Nov.

2021 from 11:00 AM to 12:00 PM

Click on

Google Meet

YouTube



Types of Privacy	
Terrestrial Privacy	• It's about your space
Locational Privacy	• Ability to track you
Body Privacy	• Also what you want to do with your body
Personal Privacy	• Undue interference
Communication Privacy	• Can somebody read your emails
Information Privacy	• Collection of your data

Concluding Remarks:

After the session of Q & A session started and hosted by Prof. Roshan Kotkondawar and Mr. Sam Varughese & Mrs. Shweta Nair responded on the queries.

The Webinar was ended by Vote of Thanks given by Prof. A. R. Babhulgaonkar and closed the session talking about his experience for this session.

Dr. Babasaheb Ambedkar Technological University, Lonere

WEBINAR ON

“Passwords-Have you been hacked?”

CONDUCTED BY

DEPARTMENT OF INFORMATION TECHNOLOGY

About the Webinar:

Department of Information Technology organized 3rd Cyber Security Webinar on “Passwords-Have you been hacked?” for all students & faculties. Passwords provide the first line of defense against unauthorized access to your computer and personal information. The stronger your password, the more protected your computer will be from hackers and malicious software. One should maintain strong passwords for all accounts on your computer.

Number of Participants: 100 students

Date and Venue:

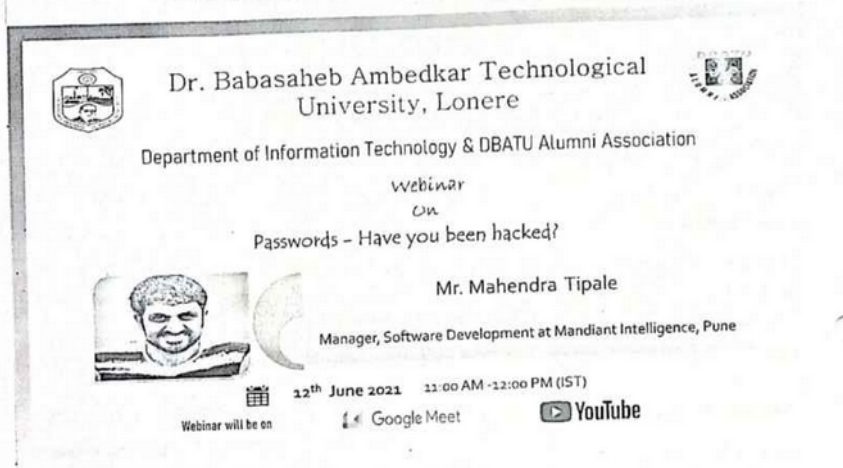
The webinar took place in online mode on google meet on 12th June 2021. Speaker: Mr. Mahendra Tipale Manager, Research/Software Development at Mandiant Intelligence. He did B Tech, Electronic & Telecommunication (Doctor Babasaheb Ambedkar Technological University) and PG-Diploma WiMC CDAC, Wireless & Mobile Computing (University of Pune). He is expertise in Technologies: Linux, Apache, Java, Tomcat, Shell Scripting, VMware, Automation testing.

Webinar Content:

- Reason for bad Passwords
- Common Passwords
- Password Managers
- Check if got Hacked?
- From Hacker Forum

The expert person for the webinar was, Mr. Mahendra Tipale Manager, Research/Software Development at Mandiant Intelligence,. The programme started with an opening remark delivered by Dr. S. R. Sutar, HoD IT DBATU and it was initiated by main coordinator Dr. S. M. Jadhav and co-coordinators Prof. S. S. Barphe, Prof. A. R. Babhulgaonkar, Prof. S. B. More and Prof. E. G. Meshram. The motive of this program was to give awareness on Passwords-Have you been hacked? The students were participated from across the affiliated DBATU university.

Following are some screens shot captured during the session.



Dr. Babasaheb Ambedkar Technological University, Lonere

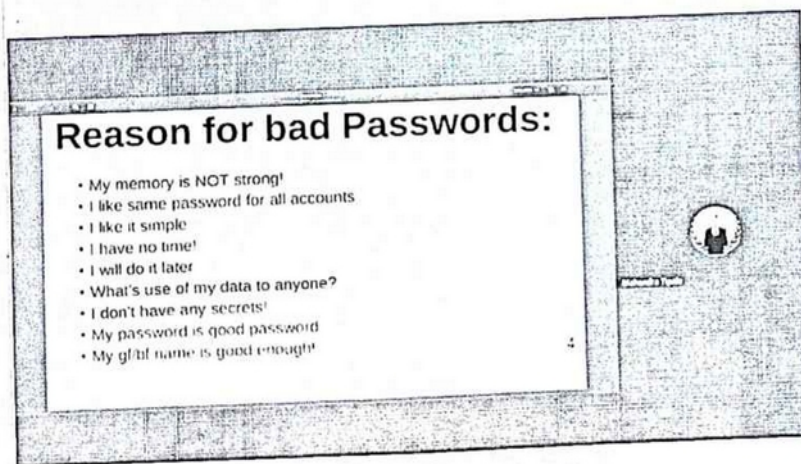
Department of Information Technology & DBATU Alumni Association

Webinar
On
Passwords - Have you been hacked?

Mr. Mahendra Tipale
Manager, Software Development at Mandiant Intelligence, Pune

12th June 2021 11:00 AM - 12:00 PM (IST)

Webinar will be on Google Meet YouTube



Reason for bad Passwords:

- My memory is NOT strong!
- I like same password for all accounts
- I like it simple
- I have no time!
- I will do it later
- What's use of my data to anyone?
- I don't have any secrets!
- My password is good password
- My gf/bf name is good enough!

Concluding Remarks:

After the session of Q&A session started and hosted by Mr. S. B. More and Mr. Mahendra Tipale responded on the queries.

The session was extremely useful for the participants and it was very knowledgeable and offered valuable information Passwords-Have you been hacked.

The Webinar was ended by Vote of Thanks given by Dr. V. J. Kadam, IT and closed the session talking about his experience for this session.


REGISTRAR
Dr. Babasaheb Ambedkar Technological University
LONERE, 402 103,
Tal. Mangaon, Dist. Raigad, (Maharashtra)



About MIT, Aurangabad

Marathwada Institute of Technology (MIT) Aurangabad, Maharashtra, established in 1984, approved by AICTE, New Delhi & Directorate of Technical Education, Mumbai & affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere. G.S.Mandal Aurangabad runs this institute having seven undergraduate full time programs and eight post graduate full time programs in engineering including Architecture and Master of Computer Applications. Our institute is having research center in the subject Civil Engineering and Mechanical Engineering and institute is one of the premier institutes in the state. Our qualified, experienced and dedicated faculty is striving and will continue to strive for educational enrichment of our students.

MIT organizes various Workshops/Seminars/Short Term Training Programs/Continuing Education Programs for the benefit of Students, Faculty and Industry Personnel so that current trends in Engineering and Technology will be imparted.

About Civil Engineering Department

This department is one of the pioneering department since the commencement of the institute in 1984. Department has made remarkable progress since 1984 with an intake capacity of 120 for under-graduate courses and 18 for post graduate course in Structural Engineering.

The faculty members are expertise from several branches of Civil Engineering. The department has well qualified faculties with minimum qualification of Masters Degree in Engineering, with six Doctorates in Philosophy.

The department of Civil Engineering has been offering consultancy in Soil testing, Material testing, Third party inspection, Structural Audit (NDT) to PWD, AMC, Maharashtra Jeevan Pradhikaran, Semi-government organization, private sectors and local Contractors and Builders. The department has 11 well equipped laboratories for conducting academic and consultancy activity.

About Mechanical Engineering Department

The Mechanical Engineering Department is one of the pioneering departments started right at the inception of Marathwada Institute of Technology, Aurangabad.

The Department is offering B. Tech. in Mechanical Engineering (UG degree) and presently 450+ students are pursuing the degree. The PG (Master of Technology) course is offered in Manufacturing Engineering. The Department has recognized as a Ph.D. Research Center by Dr. Babasaheb Ambedkar Technological University (DBATU), Lonere, Raigad, considering its research activities in the field of Mechanical Engineering and Technology.

The Mechanical Engineering Department aims at overall development of students and is well known for the quality of teaching and providing a conducive learning environment to the students.

Indian Geotechnical Society Aurangabad Chapter

Indian Geotechnical Society formed its 46th Local chapter at Aurangabad on 3rd October 2019 at Marathwada Institute of Technology, with the aim of catering to the needs of Professionals and students of Marathwada Region thereby promoting co-operation amongst engineers and scientists for the advancement and dissemination of knowledge in the fields of Soil Mechanics, Foundation Engineering, Soil Dynamics, Engineering Geology, Rock Mechanics, Snow and Ice Mechanics and allied fields and their practical applications. Recently IGS Aurangabad Chapter was awarded IGS AIMIL Best Local chapter award for the year 2020-21.

About the Workshop:

Globalization and shorter development period are some of the challenges in the era of new and innovative products to the market. Adoption of computational simulation helps to mitigate such challenges by reducing the dependability on the physical testing, consolidate their processes and ensure the optimum performance of the product. Moreover, there is a need of suite of unified analysis tool that allow users to collaborate and seamlessly share simulation data and approved methods without loss of information, regardless of their simulation expertise or domain focus.

The SIMULIA ABAQUS (from Dassault Systemes) is a general purpose finite element analysis software suite and a computer-aided engineering, capable of providing solutions to engineering problems covering a vast spectrum of industrial applications. It offers powerful pre-processing aspects through different modeling approach that enables users to work with geometry-based data alongside imported meshes without associated geometry. In addition ABAQUS pre-process also enables users with comprehensive meshing environment and comprehensive contact modeling capabilities (including the ability to model interactions between deformable bodies, rigid bodies, and self-contact). While the post process aspect of ABAQUS is laced with both implicit and explicit solution techniques covering static and dynamic events.

In fact, high-performance computing, better visualization capabilities and robust multi-physics capabilities are some of the distinguished features of ABAQUS making it a benchmark tool of finite element simulations.

One Week STTP (Online mode)
On

ABAQUS for Beginners (Introduction with Hands-on)

28th March – 1st April 2022
Jointly Organized by

Indian Geotechnical Society, Aurangabad Chapter

In association with
Department of Civil Engineering,
Department of Mechanical Engineering,
Marathwada Institute of Technology,
Aurangabad, MS, India – 431010

and
Dr. Babasaheb Ambedkar Technological University,
Lonere, MS, India – 402103



One Week STTP (Online mode)
On

ABAQUS for Beginners (Introduction with Hands-on)

28th March – 1st April 2022
Jointly Organized by

Indian Geotechnical Society,
Aurangabad Chapter
In association with
Department of Civil Engineering,
Department of Mechanical Engineering,
Marathwada Institute of Technology,
Aurangabad, MS, India – 431010

and
Dr. Babasaheb Ambedkar Technological University,
Lonere, MS, India – 402103

Registration Process:

The registration fee is 300 INR per participant. (This can be transferred to account no. provided through any mode of transfer like Net banking, UPI, GPay, Phone pay etc.). E-Certificate will be issued to all participants who will be attending the sessions including feedback.

For Registration, click below Link:

<https://forms.gle/wPA6XJ3L9ojoMBZZ>

Last date of Registration: 25th March 2022.

Fees can be transferred to following Bank Account:

Bank Name: Canara Bank, Satara Parisar, Aurangabad

Account Name: IGS Aurangabad Chapter

Account Number: 5434101001278

IFSC Code: CNRB0005434

Date & Venue: One week STTP (in online mode) from 28th March - 1st April 2022. The link will be shared on registered email ID/WhatsApp.

Broad Objectives:

This workshop is a comprehensive and unified introduction to the basics of numerical modeling along with analysis capabilities of ABAQUS. It teaches how to solve linear and nonlinear problems, submit and monitor analysis jobs and view simulation results using the interactive interface of ABAQUS through demo and hands-on sessions.

Course content:

- Experimental to Mathematical Modeling
- Introduction to Finite Element Analysis
- Overview of Simulia / ABAQUS software
- Basics of ABAQUS Modeling and Adaptive meshing
- Material models, Loads and constraints
- Linear and Nonlinear Analysis Techniques
- Creating, submitting and monitoring analysis jobs
- Result Extraction and Visualization

Resource Persons

Dr. Subhrajit Datta, NIT Silchar, Assam
Dr. S.M. Pore, Dr. BATU, Lonere
Mr. Onkar Madhekar, EDS Technologies Pvt. Ltd, Pune
Mr. Kamran Khan, Senior Engineer, John Deere, Pune
Mr. Rahul Patidar, L&T Technology services, Gujarat
Mr. Vidyasagar Gujar, Abhay Gujar Associates, Satara
Dr. Hashmi Suhel, MIT Aurangabad

Chief Patron Dr. Y.A. Kawade President G.S. Mandal, Aurangabad.	Patron Prof. Munish Sharma Director General MIT, Aurangabad.
Chairman Dr. N.G. Patil Director, MIT, Aurangabad.	
Convener Dr. M.S. Dixit HCD & Secretary IGS, Aurangabad	Co-Convener Dr. S. M. Pore Professor, DBATU Lonere

Organizing Secretary Dr. Hashmi Suhel Asst. Professor (Research) pr CED, MIT Aurangabad	Joint Org. Secretary Dr. V. B. Pansare Asso. Professor MED, MIT Aurangabad
--	---

Advisory Committee:

- Dr. N.K. Samadhiya, President, IGS New Delhi
- Dr. J. T. Shahu, Secretary, IGS New Delhi
- Er. Ramesh Kulkarni, CMD, Soilttech India, Pvt.Ltd.Pune
- Dr. Dasaka S. Murthy, Professor, IIT Bombay
- Er. Vikas Patil, Chairman, IGS Pune Chapter & MD, Savi Infrastructures & Properties Pvt.Ltd., Pune
- Er. Ravi Sundaram, Director, Cengrs Geotechnica Pvt Ltd, Noida

IGS Executive Committee, Aurangabad Chapter

- Dr. Uttam Kalwane, Chairman
- Neeta Deshingkar, Vice-Chairperson
- Syed Ghausudin Quadri, Joint Secretary
- Sunil Patil, Treasurer
- Shrikant Pawar, Joint Treasurer

Organizing Committee

Dr. M. N. Mangulkar	V. R. Upadhye
A.V. Pathak	A.A. Ratnaparkhi
R. N. Chatorikar	Dr. S. K. Swami
A. P. Jaiswal	Y. D. Shermale
U.S. Salunkhe	S. D. Mane
Dr. S. S. Jaiswal	M. R. Vaidya
A. S. Wewhal	S. R. Survase
Ather Khan	Syed Fahad
S. K. Pathan	N. R. Swami
A. R. Jetti	A. G. Atrale
K. G. Jamdade	S. S. Deshmukh
Mir Sohail Ali	M.D. Gaykwad
Dr. Wasim Razvi	Dr. Md. Ishtiyaque

Note:

- ABAQUS software will be provided to all participants for hands-on session.
- Numbers of seats are limited to 50 candidates on and will be on first come first serve basis.

Contact Person:

- Mrs. Archana Pathak - 8668894766
- Mr. Yogesh Shermale - 8793444829
- Mr. Nimish Swami - 9028891365
- Mr. M.D. Gaykwad - 9284782501

About MIT, Aurangabad

Marathwada Institute of Technology (MIT) Aurangabad, Maharashtra, established in 1984, approved by AICTE, New Delhi & Directorate of Technical Education, Mumbai & affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere. G.S.Mandal Aurangabad runs this institute having seven undergraduate full time programs and eight post graduate full time programs in engineering including Architecture and Master of Computer Applications. Our institute is having research center in the subject Civil Engineering and Mechanical Engineering and institute is one of the premier institutes in the state. Our qualified, experienced and dedicated faculty is striving and will continue to strive for educational enrichment of our students.

MIT organizes various Workshops/Seminars/Short Term Training Programs/Continuing Education Programs for the benefit of Students. Faculty and Industry Personnel so that current trends in Engineering and Technology will be imparted.

About Civil Engineering Department

The department is one of the pioneering department, since the commencement of the institute in 1984. Department has made remarkable progress since 1984 with an intake capacity of 120 for under-graduate courses and 18 for post graduate course in Structural Engineering.

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The department of Civil Engineering has been offering consultancy in Soil testing, Material testing, Third party inspection, Structural Audit (NDT) to PWD, AMC, Maharashtra Jeevan Pradhikaran, Semi-government organization, private sectors and local Contractors and Builders. The department has 11 well equipped laboratories for conducting academic and consultancy activity.

Indian Geotechnical Society Aurangabad Chapter

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One Week STTP

on

Advances in Geotechnical Earthquake Engineering (AGEE-2021)

25th – 29th Oct. 2021

Jointly Organised by

**Indian Geotechnical Society,
Aurangabad Chapter**

&

Soil Dynamics Forum, ISET

In Association with

**Civil Engineering Department,
Marathwada Institute of Technology,
Aurangabad, MS, India – 431010**

&

Dr. Babasaheb Ambedkar Technological University,
Lonere, MS, India – 402103

REGISTRATION FORM

Name of Participant: _____

Designation: _____

Institute/ Organisation: _____

Address for Communication: _____

Mobile No: _____ Tel: _____

E-mail: _____

Fees can be transferred to following Bank Account:

Bank Name: Canara Bank, Satara Parisar, Aurangabad

Account Name: IGS Aurangabad Chapter

Account Number: 5434101001278

IFSC Code: CNRB0005434

Mode of Payment: _____

Transaction ID: _____

Signature of Participant: _____

Soil Dynamics Forum, ISET

ISET, Indian Society of Earthquake Technology, was established in the year 1962. The ISET, is a founder member of, the International Association for Earthquake Engineering (IAEE), and represents India, on various world fora, dealing with various aspects of earthquake engineering. ISET conducted a prestigious world conference in Earthquake Engineering, 7WCEE and many other events from time to time. ISET also contributes, in the formulation of, various Indian Standard Codes of Practice, related to earthquake engineering. 'Soil Dynamics Forum' is a separate wing, established within ISET, with the generous financial support received, from Prof. Shamsheer Prakash. The main purpose of this forum, is to promote, the dissemination of, recent advances and activities, in the area of soil dynamics, within India and around the world.

About the STTP:

Earthquake engineering is an interdisciplinary branch of engineering that designs and analyzes structures, such as buildings and bridges, with earthquakes in mind. Its overall goal is to make such structures more resistant to earthquakes. An earthquake (or seismic) engineer aims to construct structures that will not be damaged in minor shaking and will avoid serious damage or collapse in a major earthquake. Earthquake engineering is the scientific field concerned with protecting society, the natural environment, and the man-made environment from earthquakes by limiting the seismic risk to socio-economically acceptable levels. Traditionally, it has been narrowly defined as the study of the behavior of structures and geo-structures subject to seismic loading; it is considered as a subset of structural engineering, geotechnical engineering, mechanical engineering, chemical engineering, applied physics, etc. However, the tremendous costs experienced in recent earthquakes have led to an expansion of its scope to encompass disciplines from the wider field of civil engineering, mechanical engineering, nuclear engineering, and from the social sciences, especially sociology, political science, economics, and finance.

- The main objectives of earthquake engineering are:
 - Foresee the potential consequences of strong earthquakes on urban areas and civil infrastructure.
 - Design, construct and maintain structures to perform at earthquake exposure up to the expectations and in compliance with building codes.

A properly engineered structure does not necessarily have to be extremely strong or expensive. It has to be properly designed to withstand the seismic effects while sustaining an acceptable level of damage.

Date & Venue

One Week STTP will be held online during 25th – 29th Oct. 2021, from 11.00am to 1:30pm on ZOOM Platform.

Broad Objectives:

The aim of the STTP is to enhance the participants with the concepts of Geotechnical Earthquake Engineering, Seismic response of reinforced retaining walls, Influence of local soil conditions on seismic site response, Influence of Soil Conditions on Design Response Spectra, Seismic hazards and Risk Assessment, Seismic design of slopes and embankments, Physical modeling of earthquake effects, liquefaction, Modeling of Elements for Analysis, Seismic aspects of Pile.

Contents of STTP

Introduction to Geotechnical Earthquake Engineering, Seismic response of reinforced retaining walls, Influence of local soil conditions on seismic site response and their estimation, Influence of Soil Conditions on Design Response Spectra, Liquefaction, Seismic design of slopes and embankments, Physical modeling of earthquake effects and liquefaction remediation, Seismic Hazard and Risk assessment, Modeling of Elements for Analysis, Seismic aspects of Pile/shallow Foundation.

Resource Persons

Dr. Madhavi Latha Gali, IISc Bangalore
Dr. Vipul Prakash, IIT Roorkee
Dr. Ing. B.V.S. Viswanadham, IIT Bombay
Dr. Ravi S. Jukka, IIT Roorkee
Dr. Vasant A Matsagar, IIT Delhi
Dr. Viswas A. Sawant, IIT Roorkee
Dr. Amit Prashant, IIT Gandhinagar
Dr. Ajanta Sachan, IIT Gandhinagar
Dr. Sreevals Kolathayar, NIT, Suratthal
Dr. Sachin M. Pore, DBATU Lonere
Dr. U.B. Kalwane, MIT, Aurangabad



One Week STTP

on

Advances in Geotechnical Earthquake Engineering (AGEE-2021)

25th – 29th Oct. 2021

Jointly Organised by

**Indian Geotechnical Society,
Aurangabad Chapter**

&

Soil Dynamics Forum, ISET

In Association with

**Civil Engineering Department,
Marathwada Institute of Technology,
Aurangabad, MS, India – 431010**

&

Dr. Babasaheb Ambedkar Technological University,
Lonere, MS, India – 402103



Chief Patron Dr. Y.A. Kawade President G.S. Mandal, Aurangabad.	Patron Prof. Munish Sharma Director General MIT, Aurangabad.
Chairman Dr. N.G. Patil Director, MIT, Aurangabad.	Convener Dr. M.S. Dixit HCED & Secretary IGS, Aurangabad
Co-convener Dr. Sachin M. Pore Professor, DBATU, Lonere	Co-convener Dr. Ravi S. Jukka Secretary, Soil Dynamics Forum, ISET

IGS Executive Committee, Aurangabad Chapter

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- Neeta Deshingkar, Vice-Chairperson
- Syed Ghausudin Quadri, Joint Secretary
- Sunil Patil, Treasurer
- Shrikant Pawar, Joint Treasurer

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Ather Khan	Syed Fahad
S. S. Deshmukh	A. G. Atrale
A. R. Jetti	K. G. Jamdade
C. A. Aherkar	Mir Sohail Ali

Registration Process

Registration Fees is Rs. 200/- per Participant. (This will be transfer to Account no. provided through any mode of transfer like Net banking, UPI, Gpay, Phone pay etc.) E-Certificate will be issued to all participants who will be attending the sessions including feedback.

For Registration, click below Link:

<https://forms.gle/ebTBZVW7e9eVzLKs5>

Last date of Registration: 22nd Oct. 2021

Contact Person:

Mrs. Archana Pathak - 8668894766
Mr. Yogesh Shernale - 8793444829
Mr. Nimish Swami - 9028891365