



SARASWATI EDUCATION SOCIETY'S
SARASWATI COLLEGE OF ENGINEERING
KHARGHAR, NAVI MUMBAI-410210

Date 03-06-2016

To,
The principle
SCOE, Kharghar

Subject- Permission to conduct one week STTP on "Recent trend in Mechanical engineering"

Respected madam,

Mechanical engineering department wishes to organize one week STTP on "Recent trends in Mechanical engineering" from 06/06/2016 to 10/06/2016 .This STTP will be beneficial for the faculties to update their knowledge about latest mechanical trends.

Kindly allow for the same,

Thanking you

Yours sincerely

Dr. Fauzia Siddiqui

HOD, Mech.

Permitted



SARASWATI EDUCATION SOCIETY'S
SARASWATI COLLEGE OF ENGINEERING
KEMDIEGAR, NAVI MUMBAI - 400101
SOP in Accordance to Mechanical Engineering

06/06/2016 To 10/06/2016

DEPARTMENT OF MECHANICAL ENGINEERING

Program Schedule

9:30 A.M - 01:00 P.M :-
01:00 A.M - 11:00 P.M :-
01:00 A.M - 11:15 P.M :-

Registration
Inauguration
Ten Breaks

Activity Details					
TIME	DAY 1 (6/6/2016)	DAY 2 (7/6/2016)	DAY 3 (8/6/2016)	DAY 4 (9/6/2016)	DAY 5 (10/6/2016)
10:00 A.M - (12:30) P.M	Active Vibration Control Dr. S.M. Khar Principal, FRCBIT	Rapid Prototyping Dr. Mihir Akarte Asst. Professor, NITIE	Advance Manufacturing Dr. Vivek Sumanpawar Director, I.P.U.E	Research Metrology Dr. Santosh Kone Asst. Professor, SPCE	Design of Experiments Dr. Prakash Patil Principal, Taty CUE
1:00 A.M - 2:00 P.M	Lunch	Lunch	Lunch	Lunch	Lunch
2:00 P.M - 4:30 P.M	Knowledge Management Dr. Hymantaji Director, AIKTC	Mechatronics Prof. S.N. Tel Prof & Dean (Admin), SCUE	MEMS Dr. Kiran Bhole Asst. Professor, SPCE	Research Metrology Dr. Santosh Kone Asst. Professor, SPCE	MindBox ANSYS ETK Mr. Satish W Technical Program
4:30 P.M - 4:45 P.M	Ten	Ten	Ten	Ten	Ten



भारतीय तकनीकी शिक्षा संस्था INDIAN SOCIETY FOR TECHNICAL EDUCATION

(Under the Societies Registration Act, 1860)

Prof. Vaidya Vijay Dattatray
Executive Secretary

ISTE/Proceedings/SITP-SE/2016-17

May 16, 2016

Proceedings of Executive Secretary, ISTE

Sub. : Sanction to conduct full time Short term Training Programme on self-financing basis for the financial year 2016-2017.

Sanction is hereby accorded to the following institution for the conduct of the programme indicated below:

Name of Institution	:	Saraswati College of Engineering Navi Mumbai - 410 210
Topic	:	Recent Trends in Mechanical Engineering
Name & Address of Coordinators	:	Prof. S.N. Teli Prof. M.B. Sorte Prof. in Mech. Engg. Associate Prof.
Duration	:	One Week (Minimum 05 Working Days)
Proposed dates	:	06-06-2016 to 10-06-2016

Terms and Conditions

1. The institution offering the Programme should have an ISTE Chapter with at least 25 ISTE members as on the date of commencement of the programme.
2. Only ISTE members are allowed to attend this programme.
3. There will be no financial commitment on the part of ISTE on account of this programme.
4. The course will be full time and of duration 1week / 2 weeks / 4 weeks
5. The proposal will be scrutinized by Experts and if approved, the approval will be communicated to the Coordinator. The Section Charman / Executive Council Member may monitor the programme and send an independent report to ISTE Headquarters if called for. ISTE Headquarters reserves the right to decline the approval without assigning reasons.

6. A processing & operational charges of Rs.150/- per participant is to be paid to ISTE Headquarters along with the final report mentioned in Item 8 below. This is about 15% of the operational charges of Rs.1050/- per participant fixed by AICTE for Summer / Winter Schools to meet this processing and operational expenses.
7. The registration fee of the participants may be fixed by the host institution.
8. Within 15 days after completion of the Programme the final report including list of participants (with their ISTE Membership Number of filled up application forms for ISTE membership with requisite fee), schedule of the programme with dates, copy of the certificate issued and copy of course notes must be sent to ISTE Headquarters alongwith processing & operational charges as mentioned in point 6 above. via DD in favour of "ISTE" New Delhi.
9. The Certificate may be issued by the Head of the host institution quoting ISTE Sanction Order. The certificate should contain the ISTE emblem at the top and should read "This is to certify that _____ attended a short term course on _____ sponsored by ISTE during _____ at _____".


Executive Secretary

To,
Dr. Manjusha Deshmukh
Principal
Saraswati College of Engineering
Plot No. 46, Sector 5, Kharghar
Navi Mumbai - 410 210
Maharashtra State

Copy to :

Prof. S.N. Teli
Coordinator
Saraswati College of Engineering
Plot No. 46, Sector 5, Kharghar
Navi Mumbai - 410 210
Maharashtra State



Report on – STTP on “Recent trend In Mechanical Engineering”

Organizing Department: Mechanical Engineering Department

Committee:

Conveners:

Prof. S.N. Teli

Dean-Admin

Dr. Fauzia Siddiqui

HOD, Mech. Engg.

Organizing Committee:

Ms. Geeta Karmarkar

Mr. Madan Jagtap

Mr. Abijeet Ranveer

Mr. Paramjit Thakur

Ms. Mitali Mathre

Mr. Ganesh Jadhav

Date: 6th - 10th June, 2016

Number of Participants: 54

Speakers:

Dr. Honnutagi (Director, AIKTC)
Dr. Kiran Bhole (Asso. Professor SPCE)
Dr. Milind Akarte (Asso. Prof. NITIE)
Dr. Santosh Rane (Asso. Prof., SPCE)
Mr. Sartej. N. (Technical Evangelist)
Prof. S.N.Teli (Prof. & Dean Admin)
Dr. S.M. Khot (Principal, Fr. CRIT)
Dr. Vivek Sunnapawar (Director, LTCE)

Objective:

Objective of this STTP was to enlighten the basic and important recent trends in mechanical engineering and provides its importance in current field of mechanical engineering. At the start of every session speaker elaborates the basic engineering concept of each and every topic and as the time progress speaker discuss with its future scope in a very good manner. At the end doubt were cleared and question were answered.

Output:

Faculty understood the Recent Trends in mechanical Engineering and its future application's. Speakers Gives them various practical example which will help them to understand the basic concepts of various field of Engineering.

Topic Covered:

- Active vibration control and smart materials
- Basic of active vibration control and method
- Do you really need KM?
- Do you need a CKO?
- What's the strategy?
- Types of knowledge management systems
- Organizational changes to expect

- KM software tools
- Introduction: What is Additive Manufacturing
- Historical development
- From Rapid Prototyping to Additive Manufacturing (AM) – Where are we today?
- Overview of current AM technologies
 1. Laminated Object Manufacturing (LOM)
 2. Fused Deposition Modeling (FDM)
 3. 3D Printing (3DP)
 4. Selected Laser Sintering (SLS)
 5. Electron Beam Melting (EBM)
 6. Multiset Modeling (MJM)
 7. Stereo lithography (SLA)
- Modeling challenges in AM
- Additive manufacturing of architected materials
- Manufacturing types: Primary, secondary and tertiary manufacturing
- Mechanical machining definition
- Recognized categories of mechanical machining: turning, milling, drilling and grinding.
- CNC machining
- Precision machining
- Ultra-precision and nanotechnology

Desk top factory (DTF)

- Introduction
- Applications
 - Passive structures
 - Sensors
 - Actuators

Morning

SARASWATI EDUCATION SOCIETY
 SARASWATI COLLEGE OF ENGINEERING, KHARGHAR
 DEPARTMENT OF MECHANICAL ENGINEERING
 STIP on Recent Trend In Mechanical Engineering

6/06/2016 - 10/06/2016

SARASWATI
 College of
 Engineering

Attendance Record (Morning / Evening Session)

Sr.No	Name of the Participant	Sign	6-Jun-16	7-Jun-16	8-Jun-16	9-Jun-16	10-Jun-16
1	Yashwanth Mishra						
2	Subhas Jadhav						
3	Arshad Dhandkar						
4	Shubhanshu Arora						
5	Pratik Suthar						
6	P. Prakash						
7	Pratik Suthar						
8	Gaeta J. Karmarkar						
9	Prasanna - P. Raut						
10	Prayak Singhwarshi						
11	Ranvijay S. Jadhav						
12	Amol Bhugat						
13	Dinesh Parbhunde						
14	Pradip Guwale						
15	S. N. Telu						

Amol Bhugat

Morning

DEPARTMENT OF MECHANICAL ENGINEERING
STTP on Recent Trend In Mechanical Engineering

6/06/2016 - 10/06/2016

Attendance Record (Morning / Evening Session)

Sr.No	Name of the Participant	Sign	6-Jun-16	7-Jun-16	8-Jun-16	9-Jun-16	10-Jun-16
14	Mugdha Dongre	Signature	Mugdha	Mugdha	Mugdha	Mugdha	Mugdha
15	Mandar Jagtap	Signature	Signature	Signature	Signature	Signature	Signature
16	Pradip Gunati	Signature	Signature	Signature	Signature	Signature	Signature
17	Sachin Kelantee	Signature	Signature	Signature	Signature	Signature	Signature
18	Pankaj Jadhav	Signature	PJ	PJ	PJ	PJ	PJ
19	Vishal Bhise	Signature	Signature	Signature	Signature	Signature	Signature
20	Amit Patil	Signature	AP	AP	AP	AP	AP
21	Madar Jagtap	Signature	Signature	Signature	Signature	Signature	Signature
22	Ganesh Jadhav	Signature	Signature	Signature	Signature	Signature	Signature
23	Sagar Khatarkar	Signature	Signature	Signature	Signature	Signature	Signature
24	Juned R. Kazi	Signature	RKazi	RKazi	RKazi	RKazi	RKazi
25	Kadam Amol Yashawan	Signature	Amol	Amol	Amol	Amol	Amol
26	P. D INGLE	Signature	P.D	P.D	P.D	P.D	P.D
27	Dhruv Tejesh.S.	Signature	Signature	Signature	Signature	Signature	Signature
28	Pisal Manish B.	Signature	Manish	Manish	Manish	Manish	Manish
29	Sneha Mokal	Signature	Sneha	Sneha	Sneha	Sneha	Sneha
30	Munshi. C. Tarulekar	Signature	Munshi	Munshi	Munshi	Munshi	Munshi
31	Deepa A. Ghosh	Signature	Deepa	Deepa	Deepa	Deepa	Deepa
32	Pradipini Khatkar	Signature	Pradipini	Pradipini	Pradipini	Pradipini	Pradipini

Morning

DEPARTMENT OF MECHANICAL ENGINEERING
STTP on Recent Trend In Mechanical Engineering

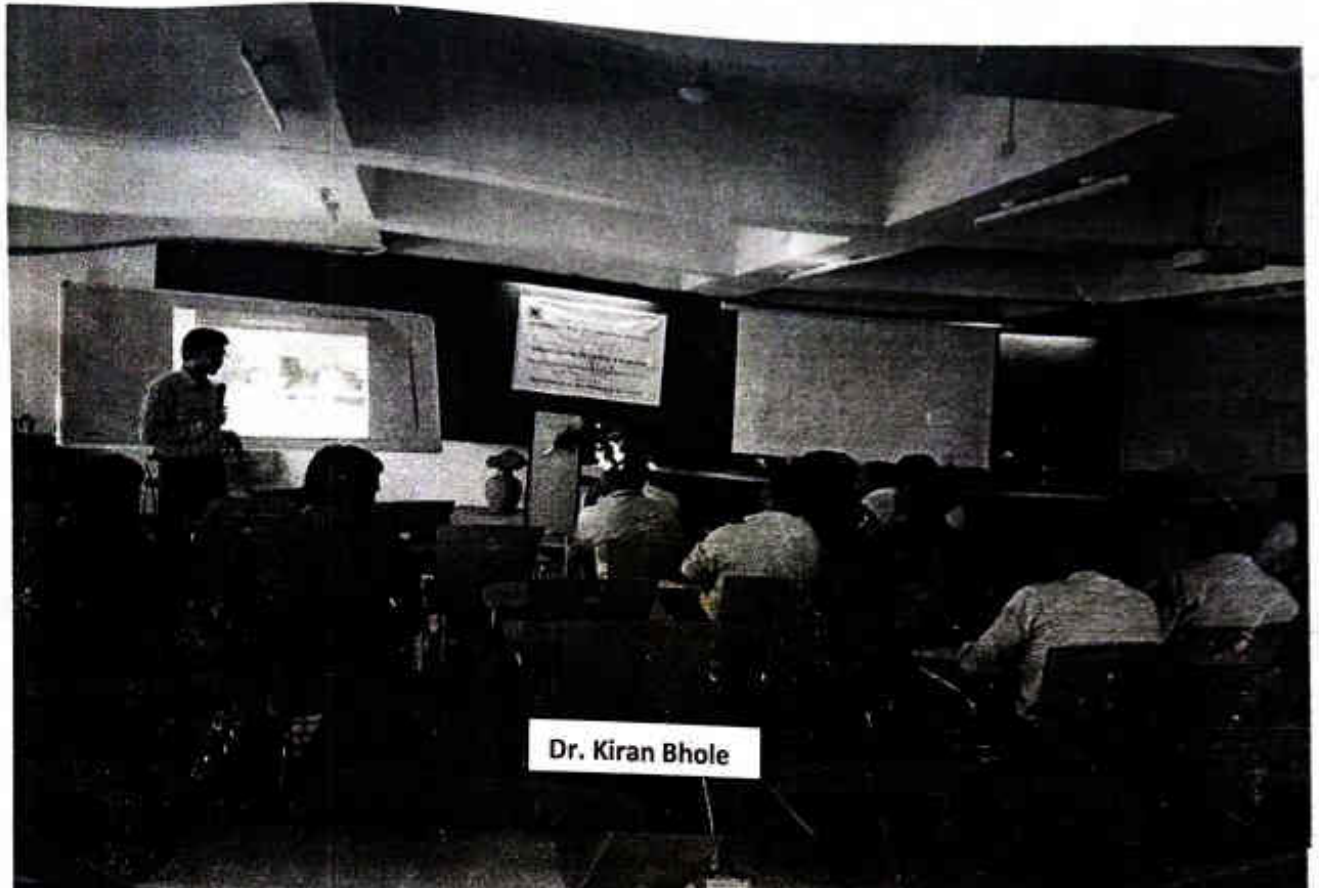
6/06/2016 - 10/06/2016

Attendance Record (Morning / Evening Session)

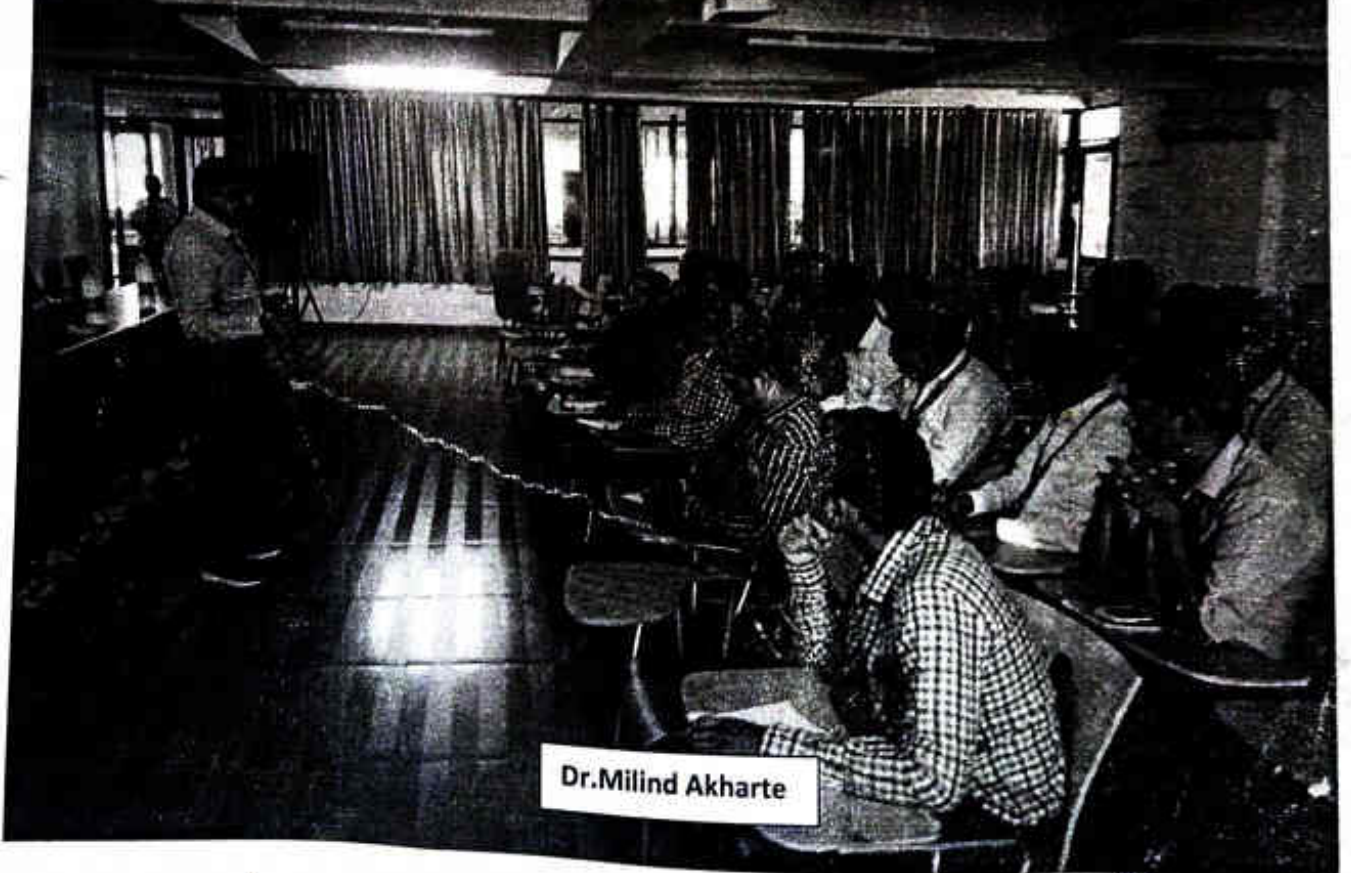
SARASWATI
College of
Engineering
10000, New Ambur, Tamil Nadu

Sr.No	Name of the Participant / Sign	6-Jun-16	7-Jun-16	8-Jun-16	9-Jun-16	10-Jun-16
29	/ F. J. Khan					
30	/ Pawar P. R.					
31	Ghug Deepa					
32	Mutale Nhatre					
33	Nadan Jastaf					
34	Rakesh Shinde					
35	Rohit Gao					
36	M. N. Bagji					
37	Dinesh Pangunde					
38	Shubhangi Prasad					
39	Amit Chembhe					
40	Ahijer Ranben					
41	D7 Fauzia Saadi					
42	chetan. Thakur					
43						

Photos



Dr. Kiran Bhole



Dr. Milind Akharte

G. Mahalingam
Co-ordinator

[Signature]
H. O. D. Mechanical Engg. Dept.
Saraswati College of Engineering
Kharghar, Navi Mumbai.



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Kharghar, Navi Mumbai - 410 210.

Department of Electronics and Telecommunication Engineering

Date: 16/06/2016

To

Mr. Vignesh R. S

Livewire Technologies

Subject: Invitation to be the speaker for STTP on NS2.

Respected Madam,

Electronics and Telecommunication department of SCOE would like to invite you to be the speaker for STTP on NS2 from 04th July 2016 to 08th July 2016

We would be grateful to you to acknowledge our request to conduct the STTP on NS2 for the faculties as well as students.

Thanking you

Prof. Liji S, Prof. Megha P.

Co-ordinator

Prof. Sheetal Bukkawar

HOD (E&TC)



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NOTICE **01/07/16**

This is to inform all the staff members that a five day STTP on "NS2 and its applications" will be held from 4th July to 8th July on fourth floor, Network Lab. The speaker of the session is Mr. Vignesh R S from Livewire Technologies. Everybody is requested to attend the inaugural function in seminar hall at 10:00am sharp.


STTP Co-ordinator


H.O.D.

ISTE APPROVED

STTP ON

"Basic Concepts and Applications of NS2"

4th JULY-8th JULY, 2016

Full Name: _____

Designation: _____

Qualification: _____

Experience: _____

Institution/Organization: _____

Mailing Address: _____

Phone (O) _____ (R) _____

Email: _____

Enclosed Cheque/ DD No: _____

Dated ____/____/____ is drawn in favor of

"Saraswati College of Engineering"

payable at "Navi Mumbai" drawn at Bank

Signature of the Applicant:

Date & Place:

CHIEF PATRON

Hon. Mrs. Vrushali P. Deshmukh
(Secretary, SES)

PATRONS

Wg. Cdr. L. Devarajan (Retd.)
(GM-Admin & HR, SES)

PRINCIPAL

Dr. Manjusha Deshmukh
(Principal, SCOE)

CONVENER

Prof. Sheetal Bulkawar
(HOD E&TC)

EXPERTS

Mr. Vignesh R.S.
Senior Network Engineer, LIVEWIRE INDIA

ORGANIZING COMMITTEE

Dr. B. P. Dubey	Prof. Sonal Gahankari
Prof. Sheetal Bhujade	Prof. Pallavi Kharat
Prof. Umesh Pujarkar	Prof. Rajashri Narwade
Prof. Vijay Kapure	Prof. Smita Kale
Prof. Bhoomi Patil	Prof. Pooja Rane
Prof. Kamehan Dhuri	Prof. Snehal Barge
Prof. Sneha Burnase	Prof. Neha Mahajan
Prof. Yashika Singhal	Prof. Suchitra Majumdar
Prof. Narresh Joshi	Prof. Pawan Upadhye
Prof. Prabaldeep Das	



Saraswati College of Engineering

Presents

ISTE Approved

SHORT TERM TRAINING PROGRAM

ON

"Basic Concepts and Applications of NS2"

4th JULY-8th JULY, 2016

Coordinators

Prof. Megha N. Pande
Prof. Liji Sreenivasan

Organized by

Departments of Electronics and
Telecommunication Engineering

Saraswati College of Engineering,
Kharghar, Navi Mumbai-410210.

e-mail id: scoefdpmns2@gmail.com

www.sce.edu.in

ABOUT THE COLLEGE

Saraswati College of Engineering is a premier engineering institution, established in 2004 and since then the college has been growing leaps and bounds. Long term planning, meaningful administration and a dedicated and experienced work force, a full fledged library and well equipped laboratories are few of our strong points which are worth mentioning. Devoted and dedicated effort of faculties member in shaping young engineers has enabled this institution to carve respectable place for itself in the state of Maharashtra.

VISION

To become center of excellence in engineering education and research

MISSION

To educate students to become quality technocrats for taking up challenges in all facets of life

ABOUT THE DEPARTMENT

Department of Electronics and Tele-Communication Engineering is one of the leading departments in the college having excellent infrastructure and dedicated team of staff to cater to the needs of the students. We aim to impart outstanding education and qualities to our students to become leader in their professions. We are working hard to develop expertise for consultancy activities by providing thrust for Industry-Institute Interaction.

VISION

To make students capable to contribute in development of society through research.

MISSION

To impart quality education to train students in emerging technologies in Electronics and Telecommunication Engineering

COURSE OBJECTIVES

The network simulator is discrete event packet level simulator. Network simulator is a package of tools that simulates behavior of networks such as creating network topologies, log events that happen under any load, analyze the events and understand the network. Well the main aim this STTP is to learn how to use network simulator and to get acquainted with the simulated objects and understand the operations of network simulation, we also need to analyze the behavior of the simulation object using network simulation.

COURSE CONTENTS

- Introduction to NS2.
- Learning NS2 programming and practicing.
- Graphical simulation of nodes and data traffic.
- Simulating different routing protocols.
- Wired and wireless routing protocols..
- Wired network simulation.
- Mobile network simulation
- Working with Trace file.
- Output graphs from Trace file.
- Adding new protocol.

REGISTRATION AND COURSE FEES

Participation Fee: Rs.1500

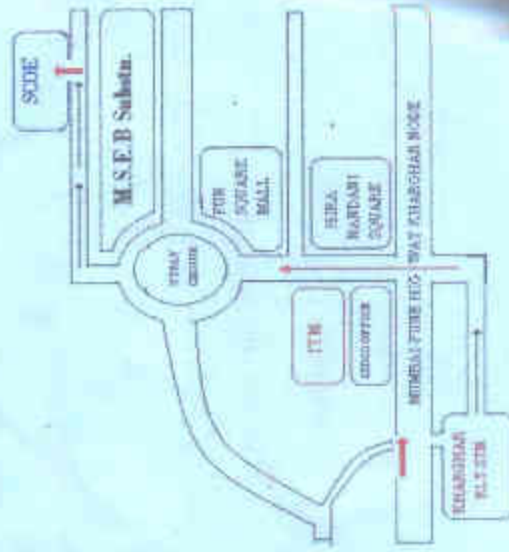
PROGRAM SCHEDULE

Duration: 4th JULY-8th JULY, 2016.

Timings: 10:00 hrs to 16:00 hrs

For more details about registration contact:

- Prof. Megha N. Pande (9892728359)
Email ID: megha_mishra1@rediffmail.com
- Prof. Liji Sreenivasan (8879556267)
Email ID: lijisreeny7490@gmail.com





ISTE Approved

STTP on "Basic Concept & Applications of NS2"

SCHEDULE

Day & Date	10:30 a.m.- 11:30a.m.	Morning Session 11:30a.m. - 1:00p.m.	1:00 p.m.- 2:00p.m.	Afternoon session 2:00p.m.- 4:30p.m
Monday 04/07/16	Inauguration & Breakfast	Introduction to NS2	Lunch break	Learning NS2- Programming and practicing
Tuesday 05/07/16	Breakfast	Graphical Simulation of nodes and data traffic		Wired Routing Protocols and Wireless Routing Protocols
Thursday 07/07/16		Wired Network Simulation & Mobile Network Simulation		Introduction to Trace file
Friday 08/07/16		Output graphs from Trace file		Adding New Protocol

STTP
Workshop on Network Simulator2
Syllabus.

1. Introduction to NS2
2. Learning NS2 Programming and practicing
3. Graphical Simulation of nodes and data traffic
4. Simulating different Routing protocols
5. Wired Network Simulation
6. Mobile Network Simulation
7. Working with Trace file
8. Output graphs from Trace file
9. Adding New protocol

S.No.	Topics	Details
1	Introduction to NS2	<ul style="list-style-type: none"> - History and Origin of NS2 - Scripts used in NS2 - Architecture of NS2
2	Learning NS2 Programming and practicing	<ul style="list-style-type: none"> - Basic working in Linux Environment - Installation Steps - Basic Commands <ul style="list-style-type: none"> - Expressions - Command Substitutions - Control Flow - Procedures - Lists - Strings - Inputs/Outputs - Basic Programs
3	Graphical Simulation of nodes and data traffic	<ul style="list-style-type: none"> - Executing NAM to get graphical node movement and data flow
4	Routing protocols	<ul style="list-style-type: none"> - Wired Routing Protocols - Wireless Routing Protocols
5	Wired Network Simulation	<ul style="list-style-type: none"> - A wired program practice
6	Mobile Network Simulation	<ul style="list-style-type: none"> - A wireless program practice
7	Introduction to Trace file	<ul style="list-style-type: none"> - What is a trace file? - Structure and syntax of trace file
8	Output graphs from Trace file	<ul style="list-style-type: none"> - Extracting information from trace file to get desired output
9	Adding New Protocol	<ul style="list-style-type: none"> - Steps to be followed to add new protocol - Adding PING protocol



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Kharghar, Navi Mumbai - 410 210.

REPORT

STTP on Basic Concept & Applications of NS2

Date:08/07/2016

Name of Event: One Week STTP on "Basic Concept & Applications of NS2 "

Date: 4th July - 8th July 2016

Name of Guest: K. D. Ambasta

Scientific Officer G

EISD, BARC, Mumbai

Name of Speaker: Mr. Vighnesh R. S.

Senior Network Engineer,

Livewire, Mumbai

Venue : 1) Inauguration and Introductory Session on NS2 - First Floor Seminar Hall

2) Hands on Session on NS2- Linux Lab Fourth Floor (IT Dept)

Number of Participants: 27

Day 01:

Program started at 10.30am with Inauguration in first floor seminar hall. Prof Ncha Mahajan Introduced Dignitaries on the Dice which was followed by Saraswati vandana. Hon. Principal Dr Manjusha Deshmukh felicitated the Guest of Honor Mr. K. D. Ambasta, Scientific officer BARC and Sheetal Bukkawar HOD E&TC felicitated Mr T. R. Nandakumar Project planning and mgmt consultant, Livewire. Dr. Manjusha Deshmukh shared her views on Network Simulator 2 and

Network Simulator 3. Mr. Ambasta explained the importance of wireless sensed networks and Big data.

Vote of thanks was delivered by Prof. Liji Srinivasan.

Afternoon session started at 2.00pm in which installation & basic of Ns2 was covered.

Day 02:

Hands- on session on basic practice examples of NS2 were covered.

Day 03:

Hands- on session on formation of nodes and link establishment was completed.

Day 04:

Session Focused on Some examples on previous topic and wired and wireless topology.

Day 05:

Session was all about practice on topology and load sharing.

On the fifth day valedictory function was conducted.

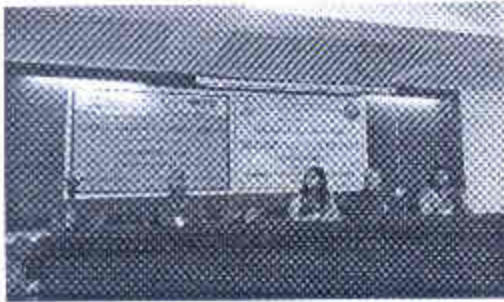

8/7/16
Prof Megha Pande

Prof Liji S.
(Coordinators)


8/7/16


11/7/16
Prof. Sheetal Bukkavar
(HOD E & TC)

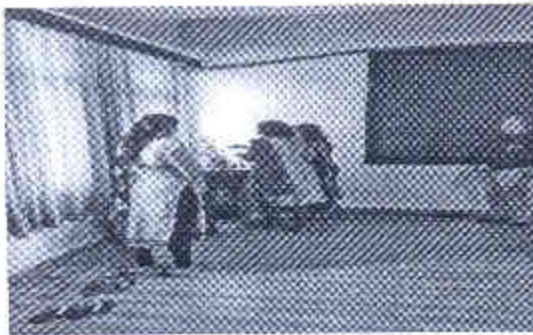
Photos of STTP on NS2



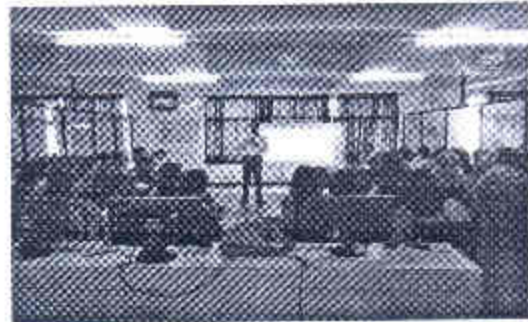
Inaugration



Group Photo



Saraswati Pujan



Hands-on Session



Lunch Arrangements



Discussions



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SARASWATI College of Engineering

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Kharghar, Navi Mumbai - 410 210

As per the guidelines given by Principal, department of Engineering Sciences and Humanities is organising the **“Orientation program for Applied Mathematics-I”** on the revised syllabus of University of Mumbai on 2nd August 2016 at 2 pm to 5 pm.

Venue: Seminar Hall (2nd floor)

Dr. S. V. Lathkar
HOD (FE)

Dr. Manjusha Deshmukh
Principal

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Kharghar, Navi Mumbai - 410 210.

Orientation Program
for
Applied Mathematics I & II

For revised syllabus discussion effective from AY 2016-17

Dear All,

It is pleasure to welcome you all for the orientation program for revised syllabus of Applied Mathematics I and II arranged by Saraswati College of Engineering , Kharghar, Navi Mumbai, on behalf of University of Mumbai, on 2nd August 2016, at 2 P.M..

Please depute your mathematics faculty member to attend the same .

Date: 2nd Aug, 2016

Time: 2:00 pm to 5:00 pm

Venue: Seminar Hall, 2nd Floor

Confirm your registration at esandh2009@gmail.com

Principal, SCOE



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SARASWATI College of Engineering

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Kharghar, Navi Mumbai - 410 210.

Date: 22/07/2016

To,
The Principal,
Saraswati College of Engineering,
Kharghar.

Subject: Permission of organizing Orientation Program on Applied Mathematics I & II

Respected Madam,

Department of Engineering Sciences and Humanities wish to organize a Orientation Program on revised syllabus of Applied Mathematics I & II on 2nd Aug 2016 at 2 to 5 pm.

Kindly give the permission for the same.

Thanking you,

Best regards,

F. S. V. Lathkar
22/7/16
Dr. S. V. Lathkar

HOD

Permitted
[Signature]

Schedule of Orientation program –Applied Maths

- Registrations
 - Formal welcome by anchor
 - Welcome speech by principal
 - Syllabus presentation sem I by Prof. W. D. Patil
 - Question paper model sem I by Prof. Bendale
 - Coding and decoding applications by Prof. S. V. Lathkar
 - Syllabus presentation sem II by Prof. N. Dasare
 - Question paper model sem II by Prof. Bendale
 - Panel discussion for problems faced by Mathematics Teachers in teaching and exam results and exclusive discussion on online paper checking.
- Minutes will be noted and recommendations will be forwarded to university authorities for necessary expected changes.



Report on
“Orientation Program for Applied Mathematics
SEM – I & SEM – II” (2nd August 2016)

Department of **First Year Engineering** has organized the “Orientation Programme on the revised syllabus of Applied Mathematics-I & II (All branches) 2016-17”, on 2nd August 2016 on behalf of University of Mumbai.

Core committee members of the syllabus committee Dr. S.V. Lathkar, Prof. S.M. Bedale from Datta Meghe College of Engineering, Dr. Narendrakumar R. Dasre from RAIT, Nerul, Prof. W. D. Patil from A.C. Patil College of Engineering, Prof. Hegde from Shah & Anchor Kutchhi College of Engineering, Prof. A.B. Pawar, Bharati Vidyapeeth, Prof. Sawant, Rajiv Gandhi college of Engineering were present for the program. Total 83 faculties ~~were~~ ^{had} registered for the Orientation program from different engineering colleges of all over University of Mumbai.

The program started with Saraswati Pujan followed by Saraswati vandana. Prof. Sayali Choudhari welcomed the guests and gave a brief introduction about department achievements. Dr. Manjusha Deshmukh, Principal of SCOE addressed the gathering.

Prof. W.D. Patil has presented the changes in revised syllabus of Semester - I. Dr. N. Dasre discussed details about syllabus of Semester – II. Prof. Bendale discussed the question paper pattern and module wise weightage of each topic. Dr. Lathkar gave the presentation on new topic included in syllabus – Application of inverse of matrices for coding and decoding. In question answer

session Dr. Hegde guided teachers on resourceful teaching methods to be used in regular teaching. Prof. Jangam emphasized on the application oriented revision of syllabus.

The orientation program will be helpful for the faculty members in teaching new syllabus successfully to engineering students and also provided practical and theoretical knowledge to facilitate the learning of mathematics.

The program was concluded with Vote of thanks given by Dr. S.V. Lathkar. Also Handouts containing University syllabus of Semester I and II, Sci- lab and notes of application of matrices were distributed to all the participants.



Dr. S.V. Lathkar

FE (HOD)





SARASWATI Education Society's
SARASWATI College of Engineering

(Learn, Live, Achieve and Contribute)
Charghat, Haveli Road, Mumbai - 410 210

SR. NO.	NAME OF THE FACULTY	NAME OF THE COLLEGE	SIGNATURE
1	KALF. ANINASH. M	DISLKP College of Engg	
2	PARDESHI BOMAN S.	ARMET COLLEGE OF Engg	
3	Dinash F Singh	d YTCBM,	
4	Ganesh Rode	B. R. Harne College. Vasai	
5	Mrs. Gageshree Majal	Bharat College, Badlapur	
6	Madhumita Bhattacharya	G. V. Acharya Inst. of Engg & Tech	
7	Ancari Zebatashim	Xavier Institute of Engg	
8	Potdar Bharat S.	Ghonda Institute of Tech.	
9	Walmik D. Patil	D. C. Patil college of Engg	
10	M. P. C. Wadp.	R. A. J. T., Nerul	
11	Dr. Keya Surag Doshi	V. E. S. I. T., Chembur	
12	Mamata Jain	VESIT, Chembur	
13	Soniya Hemmani	— U —	
14	Waghmare Shrutambhari	Bharati vidyapeeth	
15	H. R. Markar	VIMET, Khalapur.	
16	P. P. Kasote	VIMET, Khalapur	
17	Shilpa Kuber	BCOE, Badlapur	
18	Ajit Gavarle	V. C. E. T., Vasai Road	
19	Vipin E. Dubey	V. C. E. T., Vasai (W)	
20	Dr. Narenkrakumar R. Dasre	RAIT, Nerul	
21	A. G. Mino	A. P. C. E. Pharghar	
22	D. N. Wagh	YTIET Karjat	
23	K. B. Patel	S. P. C. O. E. K. K.	
24	Dr. U. B. Jera	MGM CET	
25	Dr. Vijay B. Patil	RAIT, Nerul	

	Name of faculty	college name	Sign.
26	Mr. Vilas J. Rane	RAIT, Nerul	<u>V Rane</u>
27	A.D. Kulkarni	PVPP COE	<u>ADK</u>
28	S. Surve	ACPCE	<u>Surve</u>
29	S. Bhuma Devi	KCCORMSR	<u>S</u>
30	Dr. Vivek Mishra	TCET	<u>V</u>
31	Yogesh Bhaletkar	TCET	<u>Y</u>
32	Mullikar shaikh	AIKTC' New Panvel	<u>S</u>
33	Shahid Aijum	— —	<u>SA</u>
34	B. B Sawant	RGZT. Vetur	<u>BS</u>
35	Paras Anilkumar B.	BVCOE	<u>Paras</u>
36	Patil Sanita	TEC, Nerul	<u>Patil</u>
37	Kamini K. Chaudhari	PCE, New Panvel	<u>Kamini</u>
38	Dr. Anshu Murarka	PCE, New Panvel	<u>Anshu</u>
39	R.D. Suryawanshi	BVCOE	<u>RDS</u>
40	Dr. Sachin S. Wani	PCE, New Panvel	<u>SSWani</u>
41	Ravindra Pawaskar	PHCET, Rasayani	<u>R</u>
42	Gavai Rajendra R.	SSTCET, Asargaoan	<u>R</u>
43	Ghosalkar. Sainath N.	St. Francis College, Borival	<u>G</u>
44	Mohammed Faiz	St. Francis College Borival	<u>M</u>
45	SAKET KUMAR	Thadomal shahani Bandra	<u>Saket Kumar</u>
46	Vaishali Dabholkar	KJSIET, Sion	<u>VD</u>
47	Spirly Chacko	DBIT, Kuala	<u>S</u>
48	Shely Abraham	MHSSCE, Byculla	<u>Shely</u>
49	Dr. Krishna Singh	L.TCOE, Koparichair	<u>K</u>
50	Bagayattar Kadambary M.	R.M.C.E.T., Amber Devrukh	<u>Bagayattar</u>

	Name of the Faculty	Name of the College	Sign
51	Manisha Keshab	DJSCOE	
52	Dr. MINIRAMS	DBIT	
53	Teena Trivedi	UCOE, Vasai	
54	Gopal Nanda	SAKEC, chembur	
55	Sunil Kulkarni	STCEM, Palghar	
56	Praiza Falcao	SJCEM, Palghar	
57	Nilofer I. Shaikh	A.P. Shah Inst. of Tech.	
58	Shweta B. Shinde	A.P. Shah Inst of Tech.	
59	A.V. Keshid	BVCOE, Kharjar	
60	Narmada Borsod	SSJCE, Asungdon	
61	V. P. Patil	K.G.C.P. Kharjar	
62	S.H. More	—	
63	Usha Bag	SLRTCE	
64	Deepika Panchal	SLRTCE	
65	Sarala Yadav	SLRTCE	
66	Prasad Lalit	FR. CPLE, Bandra	
67	CHRISTU N.D	FCRIT, Vashi	
68	Priita Bhattacharya	FCRIT, Vashi	
69	Kadje Mahadev V.	YTIET, Bhivpuri Rd. Kharjar	
70	Ambadas Deshmukh	VIT, MUMBAI	
71	Mahesh Bivadar	SIES GST, Nerul.	
72	Gayatri Pandya	DJSCOE	
73	S.T. Chaudhari	DJSCOE	
74	S.M. Bendale	DMCE, Airoli	
75	S. Hegde	SAKEC, Chembur	

76	S. S. V. Lallika	somasvalli.lallika@gmail.com	
77	Roshni Chaur	r.rosni2001@gmail.com	
78	Sayali (Laudhan)	sdc16.mnths@gmail.com	
79	Prashant Gautade	prashant300@gmail.com	
80	Shweta Meshram	shweta.meshram@gmail.com	
81	Shivkumar Balagan	shivkumarbalagan@gmail.com	
82	Vanu Farha A.R	farhavanu@gmail.com	
83	Harshada Pratham	harshada.p1990@gmail.com	
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Certificate of Appreciation

This is to certify that Prof. _____
from _____ College
of Engineering has attended the Orientation Programme on the
revised syllabus of Applied Mathematics-I & II (All branches)
organized by Saraswati College Of Engineering, Kharghar,
Navi Mumbai, on behalf of University of Mumbai on
2nd August 2016.

Dr. Manjusha Deshmukh

Principal

SHORT TERM TRAINING PROGRAM
ON
FRONTIERS OF CIVIL ENGINEERING
Report of Session I

Date: 19-12- 2016

Time 11: 00 -1: 00 PM

EXPERT LECTURE: Use of Modeling Techniques in Research

EXPERT SPEAKER: Dr. Abdul Razak Honnutagi

The training session was attended by 30 faculties.

OBJECTIVE: To introduce the basic concepts of Research Methodology and Modeling Techniques used in research.

CONTENT:

The speaker gave an overview of the following contents:

- Perception towards 'learning attitude and lifelong learning' by quoting Dr. Peter Drucker and Laurence Prusak
- Importance of PhD and Research Paper Writing
- Research and Publishing Process
- Process of Technical Paper Writing
- Nature of Research Problems
- Flow of Research: Inductive and Deductive
- Research Process Flowchart and Stages in Research Process
- Qualitative and Quantitative research methods by showing a comic strip video
- Application of Modeling Techniques like Interpretive Structural Modeling, Analytic Hierarchy Process, Multi Linear Regression, Artificial Neural Networks, Lexico Goal Programming, Pairwise Comparison Matrix
- Multi methodology approach and Delphi technique



CONCLUSION:

The speaker gave a brief overview of the modeling techniques used in carrying out research and emphasized on Eigen vector solution as best approach of prioritizing by elucidating with interesting examples. He also pressed upon to carry out plagiarize free research work.

Although we like to think our *knowledge* is extensive, it is very much limited and there is so much we do not know. We are, as it were, seeing the tip of an *iceberg*. The speaker thus, triggered enthusiasm and excitement among the fellow participants to carry our research projects and PhD

Robind
20/12/16

SHORT TERM TRAINING PROGRAM

ON

FRONTIERS OF CIVIL ENGINEERING

Report of Session II

Date: 19-12- 2016

Time 1:30 – 3:00 PM

EXPERT LECTURE: Engineering Geology

EXPERT SPEAKER: Dr. Suman Rawat

The training session was attended by 30 faculties.

OBJECTIVE: To introduce the basic concepts of Geological Principles in Civil Engineering Projects

CONTENTS: The speaker gave an overview of the following contents:

- Importance of Engineering Geology in tackling the foundation problems of dams, bridges and buildings, systematic knowledge of construction materials and the damage caused by geologic hazards
- Earth as a Dynamic and Evolving Planet and Working of Plate Tectonic Theory
- Foldings: Mechanisms and processes
- Geological Faults and its types
- Fact that the Red Sea was created by the movement of plates in the Earth's surface about 30 million years ago, and is still widening at about one-half inch per year.
- Fractures/ Joints and ways in which it can develop

- Geological considerations for dam site including narrow river valley, occurrence of bed rocks at shallow depths, competent rocks to offer a stable foundation, Proper geological structures
- Forces acting on dam including weight of dam, water pressure, upliftment pressure, earthquake pressure
- Effect of associated geological structure
- Construction of dam for different rock bedding

CONCLUSION

The session was very informative and interactive. The speaker gave interesting information on the Geological principle in Civil Engineering Projects. The speaker emphasized on fact that planning of dam and reservoir sites must include careful consideration of the geologic environment. Knowledge of the principal elements of this environment — topography, hydrology, and geology — contributes to the success of a project. Also, the cost of engineering works will be considerably reduced and will be highly safe if the geological survey of the area concerned is done before hand. The session was highly beneficial and knowledge upgrading.

SHORT TERM TRAINING PROGRAM
ON
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REPORT OF SESSION I

DATE: 20-12-2016

TIME 11:00 -1:00 PM

EXPERT LECTURE: Green Building Technology towards Sustainable Development

EXPERT SPEAKER: C. J Rao, Deputy Engineer, MHADA Mumbai

The training session was attended by 30 faculties.

OBJECTIVE: To introduce the basic concepts of Green Building Technology towards Sustainable development goal

CONTENTS:

The speaker gave a broad overview of the following contents:

- Impact of Climate Change: Global warming, Water Scarcity, and Energy crisis
- Solution to climate change: Reduction of greenhouse gas effects,
Reducing consumption, effective use and recycle of waste water, Energy efficient equipment
- Sustainable Development and Green Building Design
- Benefits of Green buildings: Environmental benefits, Economic benefits and Social Benefits
- Aspects of Green Building Design: Site Planning, Building Envelope Design, Water and Waste Management
- Various existing rating systems: BREEAM, Calabaras LEED, CASBEE, LEED IGBC Rating system,
- Some of the LEED (Leadership in Energy and Environmental design) rated/Registered projects in India
- TERI GRIHA rating systems
- Comparison of major GB Certification tools based on system criteria
- Shortcomings in Existing Rating systems
- Mumbai Green building certification method
- Shared Experience on: Implementation of Green Building Design at MHADA's Versova Complex

- Rainwater harvesting, Sewage treatment plant and treatment layout of sewage treatment plant
- Cost of Green Building initiatives
- Green cost premium v/s level of certification of MHADA complex as per LEED Rating system
- Green cost premium v/s level of certification of MHADA complex as per TERI GRHA Rating system
- Cost savings due to: water conservation and energy conservation
- Barriers of green building development and strategies to overcome it

CONCLUSION: The session was a very informative and interactive one. The speakers shared his experiences, used pictures, and data extensively to make things clear. The participants were highly benefitted with the information pertaining to Green Building Design and the various exciting developments taking place on the technology front, which ensured tangible and significant returns on investment.

SHORT TERM TRAINING PROGRAM
ON
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Report of Session II

Date: 20-12- 2016

Time 11:30 -1:30 PM

EXPERT LECTURE: Thermo Structural Response of Mass Concrete Structures

EXPERT SPEAKER: Dr. V.B Ashtankar, Vigilance Engineer, MCGM

The training session was attended by 30 faculties.

OBJECTIVE: To give an introduction on the thermally induced internal stresses caused by heat of hydration in mass concrete structures

CONTENT:

The speaker walked us through the journey of how to develop a numerical model of dam surface and study its various thermal behaviors during various stages using Finite Element Analysis.

The speaker also gave a good overview of following contents:

- Mass concrete structures and its thermal effects
- Mass concrete construction
- Various techniques of placing mass concrete
- Important consideration for roller compacted concrete : Formation of thermal gradients and various types of restraints
- Instrumentation in Mass concrete structures
- Finite element analysis
- Aspects of Adiabatic Heat Generation on RCC mix



CONCLUSION:

It was a very interactive session and the information was explained well. The speaker deduced how mass concrete structures were different from other concrete structures and thermal behavior of mass concrete structures. This session eventually triggered enthusiasm and excitement among the fellow participants and guided them through to carry out research on similar topics.

Roby
23/4/16

SHORT TERM TRAINING PROGRAM
ON
FRONTIERS OF CIVIL ENGINEERING
SITE VISIT REPORT

Date: 21-12- 2016

Time 10:30- 3:00 PM

Site Visit Location: Depot at Taloja for Navi Mumbai Metro line 1

Number of Participants: 32

Resource Persons:

S. Murugesan - In charge and Resident Engineer
Umate – Sr. Project Manager
AG Rajendra Patil – Sr. Project Manager

Introduction of Navi Mumbai Metro Rail Project:

Considering the growing population of Navi Mumbai and the anticipated future demand for public transport, 5 metro rail corridors in Navi Mumbai are being developed in phases.

Belapur- Taloja -Pendhar- Khandeshwar - NMIA (Navi Mumbai International Airport) is the first *elevated viaduct corridor* out of the 5 metro rail corridors. It is 23.4 km long

Navi Mumbai Metro system covers Belapur to Pendhar section in line 1 (11.10 Km) and MIDC to Khandeshwar section in line 2 (8.35 km) and interconnecting line 3 at Taloja near Panchand station (2 km) .

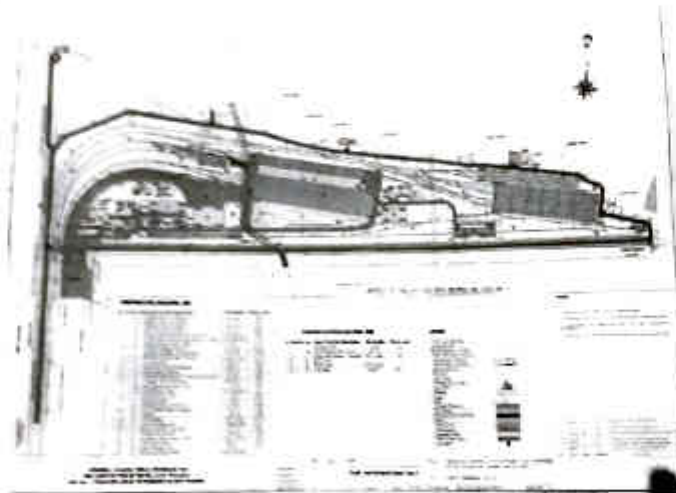
A *depot cum workshop* is being established at Taloja.

REPORT:

Mr. Murugesan while showing the general layout of "*Depot at Taloja for Navi Mumbai Metro line I*", introduced us to the various Depot facilities:

- Maintenance Staff building
- Maintenance workshop
- Stabling shed
- Auxiliary vehicle workshop
- Central store building
- Test track platform

- OCC and Administration Building
- Heavy washing track shed
- Coach delivery track
- Underfloor wheel lathe Building
- Vehicle Parking area



This layout has been planned with all the required facilities in an area of about 50 hectares and this project is taken up by J Kumar-CRTG's joint venture. This project started in Feb 2013.

The following facility buildings were shown and a brief overview was given:

- **Workshop Building:**

This houses 3 lane tracks, 6 Pit Jacks, a Bogie turntable, and a Bogie test bench

Following equipment repair/overhaul facilities are planned in the workshop.

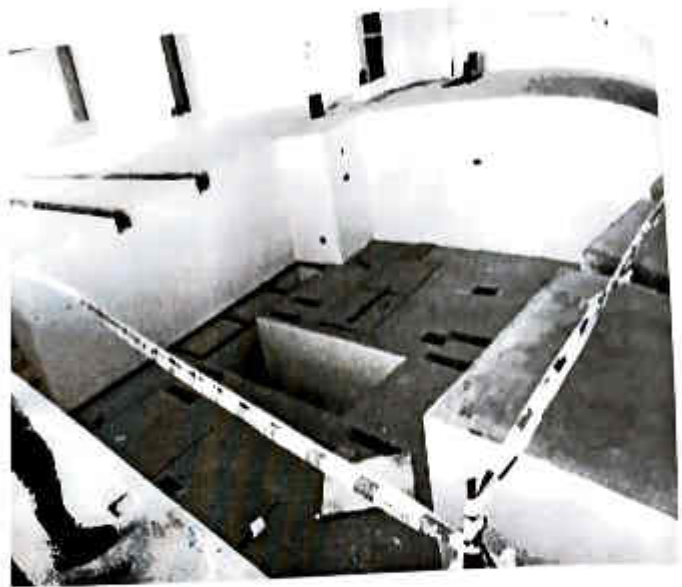
- Body furnishing
- Bogie
- Wheels
- Traction Motor
- Axle box and axle bearing
- Electrical equipment like transformer, converter/inverter, circuit breaker, relays.
- Air conditioning equipment.
- Brake equipment.
- Door actuators
- Control and measuring equipment.
- Dampers and Springs

Cross track equipped with "bogie turntables" have been provided for movement of bogie between bays. A Bogie Test Bench can mount, dismount and test a variety of bogies.

- **Test Track Area:** The length is about 870 m. It shall be used for the commissioning of the new trains, their trials and testing of the trains after the IOH (Intermediate Overhauling) and POH (Periodic Overhauling) in compliance to safety norms. Trains will be running at 80-100 km per hour
- **Underfloor Wheel Lathe Building:** This building houses the pit wheel lathe (PWL) which is approachable from workshop, inspection bay and stabling lines through rail and road. The machine is arranged in a pit. The wheel sets to be re-profiled are brought into the machine via the supply rails (if still attached to the vehicle) or by crane (if removed from the vehicle)
- **Central Store Building:** Used for stocking of spares for regular & emergency requirement including consumable items. It also caters for the requirement of depot for rollingstock & other disciplines.
- **Heavy Washing Track Shed:** Automatic washing of coaches is done here and there is a provision of Washing apron for collection of dripping water. Also elevated platforms are provided for easy washing.
- **OCC and Administration Building:** A security office is provided close to main entrance. Control of train operation will be done centrally from Operations Control Center (OCC), which will house Traffic Control Centre, SCADA System for Auxiliary Power, VAC Control & Monitoring, Telecommunication, CCTV Control & Monitoring etc.
- **Stabling Shed:** There is a provision of parking 8 trains, 4 in every lane. Trains are stabled in depots or sidings when not in use and they need to be cleaned and serviced. Water, power, and toilet cleaning systems is provided in this area. Floor height walkways alongside trains are built so that the cleaning staff can access the trains while carrying their equipment.

We were also introduced to '*ballastless tracks*'- these rails can withstand 'rail fractures' due to wear over time and do not require high maintenance. Also, unlike normal rail tracks which are laid on ballasted cushion provided by small granite stones, there is no ballast for the Metro rail.

All the buildings are *PEB* (Pre-Engineered Buildings). These are made of steel, factory built in Chennai and shipped here, where it is finally bolted together



Finally, the faculties expressed their gratitude and thanked S. Murugesan, Mr. Umate and Mr. AG Rajendra Patil for keeping the appointment and sharing their knowledge. Further Prof. Roshni John, HOD, Civil, handed over the appreciation letter to them.



The site visit was very worthwhile. It enabled the faculties to understand, explore and identify the trends, techniques, skills and modern engineering tools used in the project.



Roby
At 11.7
HOD, Civil Engg

SHORT TERM TRAINING PROGRAM ON FRONTIERS OF CIVIL ENGINEERING

REPORT OF SESSION I

DATE: 22-12-2016

TIME 10:30-1:00 PM

EXPERT LECTURE: Remote Sensing and GIS for Civil Engineers

EXPERT SPEAKER: Prof. Mugdha Agarwadkar

The training session was attended by 30 faculties.

Objective: To introduce the basic concepts of Remote Sensing and GIS for Civil Engineers.

Content:

The speaker gave an overview of the following contents:

- Introduction to Remote Sensing
- The oldest known sensors to the humans
- How the Remote Sensing has evolved over the years: From telescope to space
- The ElectroMagnetic Spectrum
- Working Principle of Remote Sensing
- The difference between a Standard Color Image and a Colored IR Image
- Introduction to Geographic Information System (GIS)
- Spatial Data deals with location and geometry and can be discrete or continuous
- Attribute Data means qualities and quantities of the object
- Time is also an important entity for GIS
- Representing Spatial Elements in GIS
- Representative Applications of Remote Sensing like change detection of urban sprawl, spatio-temporal variations in the sea surface temperature, land use/land cover changes.

Conclusion:

The speaker shed light on the basics of remote sensing and GIS and triggered interest and curiosity for the subject. The speaker elaborated on the working principles of remote sensing and GIS and their utility to Civil Engineers. Both remote sensing and GIS go hand-in-hand for solving our routine problems also like route planning etc. They are being widely all over the world.

**SHORT TERM TRAINING PROGRAM ON FRONTIERS OF CIVIL
ENGINEERING**

REPORT OF SESSION II

DATE: 20-12-2016

TIME 2:00 - 4:00 PM

EXPERT LECTURE: Civil Engineering for Environmental Assessment and Disaster Management

EXPERT SPEAKER: Mr. Yogesh Agarwadkar

The training session was attended by 30 faculties.

Objective: To shed light on the environmental assessment and disaster management from a civil engineer's perspective

Content:

The speaker gave an overview of the following contents:

- Introduction to the subject of disaster management
- Difference between a hazard and a disaster
- Concepts of vulnerability, risk and resilience
- Various types of hazards: Natural, man-made, human induced, quasi-natural, technological, societal
- Multi-Hazard Approach
- Environment assessment
- Hazard severity mapping
- Vulnerability assessment
- Resilience assessment
- Risk identification
- Understanding Dependencies
- Disaster Management: Pre-disaster, During disaster, Post-disaster

Conclusion:

The speaker highlighted the difference between a hazard and a disaster which is commonly neglected or confused by a lay person. The talk made the participants realize the role of a civil engineer in disaster management. Emphasis was also given on the fact that environment assessment and disaster management rely heavily on the knowledge of a civil engineer. Overall the session was very informative and useful.

SHORT TERM TRAINING PROGRAM

ON

FRONTIERS OF CIVIL ENGINEERING

Report of Session II

Date: 23-12- 2016

Time 11:30 -1:30 PM

EXPERT LECTURE: Use of Multivariate Statistical Techniques for the Management of Surface Water

EXPERT SPEAKER: Dr. Tejaswini D. Nalamutt, Prof. & HOD, Pillai College of Engineering and technology, Raison

The training session was attended by 30 faculties.

OBJECTIVE: To introduce the Multivariate Statistical Techniques for the management of surface water.

CONTENT: The speaker introduced the Multivariate technique for understanding the temporal and spatial variations and to have reliable info on quality of water for effective management

The speaker also gave a good overview of following contents:

- Surface water and its vital role in domestic and industrial water supply, power generation and irrigation
- Causes of deterioration of surface water bodies : Industrialization , Rapid Urbanization
- Surface water pollution : Anthropogenic, Natural Disturbances
- Multivariate Techniques: Cluster Analysis, Principal Component Analysis, Factor Analysis and Discriminant Analysis

The speaker elucidated the application of MVT by taking up 3 case studies:

- Case Study 1 – Application of MVT in water quality analysis, Fuji river basin, Japan
- Case Study 2– Evaluation of river water quality monitoring stations by Principal Component Analysis

- Case Study 3 – MVT for evaluation of spatial and temporal variation in water quality of Gomati River (India)



CONCLUSION:

It was a very interactive session and the information was explained well. The participants were enlightened about the various Multivariate Techniques and its application for the management of surface water. MVT serves as an excellent exploratory tool in analysis and interpretation of complex data set on water quality and in understanding their temporal and spatial variations. This session eventually triggered enthusiasm and excitement among the fellow participants and would be instrumental in carrying out research on similar topics.

Robney
2/1/17

SHORT TERM TRAINING PROGRAM

ON

FRONTIERS OF CIVIL ENGINEERING

Report of Session I

Date: 23-12-2016

Time 10:00 -11:30

EXPERT LECTURE: Transportation Engineering

EXPERT SPEAKER: Ms. Remya, Research Scholar, IIT Bombay

The training session was attended by 30 faculties.

OBJECTIVE: To study the impact of our decisions on Transportation Engineering.

CONTENT:

The speaker gave a good overview of following topics:

- **Transportation Engineering:** Transportation Planning, Land use development, Traffic Engineering, Pavement management Technology, Material Science, Accident prevention and safety, Law and Policy Regulation, Environmental; Impact Assessment, Psychology and Human Behavior
- **Traffic Engineering:** The Indian scenario
- **Pavement Engineering:** Designing roads for the predicted flows
Layers of materials
Pavement Management systems
- **Highway engineering and safety:** Designing the roads for the terrain
Forgiving Highways

- Types of Signaled intersection: Uncontrolled intersection
Channelized intersection,
Rotaries,
Signalized intersections
Grade separated intersection
- Characteristics of Signalized Intersection: Saturated flow
Diamond queue formation
Headway Compression



The speaker also shared some current research highlights at IIT Bombay:

- Predicting acceleration and deceleration characteristics of various vehicle types
- Driver distracting behavior- Driving simulator
- Speed variations of drivers in curves and its impact on highway design – driving simulator
- Surrogate Safety measures on highways
- User perceived level of services at various facilities
- Material testing and property improvements for pavement management systems
- Driver behavior modeling
- Modeling the high mobility vehicles in traffic stream

CONCLUSION:

It was a very interactive session and the information was explained well. The success of transportation engineering depends upon the co-ordination between the three primary elements, namely the vehicles, the roadways, and the road users. Their characteristics affect the performance of the transportation system and the transportation engineer should have good understanding about them. This session eventually triggered enthusiasm and excitement among the fellow participants and would be instrumental in carrying out research on similar topics.

Robey
02/01/17

SCOE/CE/FS/04/18/3/16-17/8-12-16

To,
The Principal,
SCOE, Kharghar

Date: 08/12/2016

Subject: Regarding permission for organizing STTP from 19th – 23rd December 2016

Respected Madam,

We at Civil Engineering Department wish to organize a Short Term Training Programme (STTP) keeping in view the recent trends in Civil Engineering. The tentative dates are from 19th – 23rd December 2016. We request you to kindly grant us the permission to organize this STTP.

Thanking you in anticipation.

Regards,


8/12/16
(HOD, Civil Enge.)

Permitted


PERMI



Department of Civil Engineering
STTP- December-2016

Amount collected = 36250

Expenses

r. No	Name of Speaker	Renumeration(RS)
1	Dr. Abdul Razak	3000
2	Dr. C. J. Rao	3000
4	Dr. Yogesh Agarwadkar	3000
5	Mrs. Ramya Kurup	3000
6	Dr. Tejswini Nalamutt	3000
		15000

Other Expenses

1	Canteen	5283
2	water Bottle	240
3	Bouquet	440
4	Snackes	815
5	Stationary	100
6	High Range Lazer light	550
7	Certificates	450
8	Momento	640
		8518

Balance = Rs.12732

Sp. Sarwan
Rachal Getty
STTP Coordinators

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5/1/17
HOD Civil Engg.



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STTP PROGRAMME SCHEDULE (19TH – 23RD DEC 2016)

VENUE: SEMINAR HALL, 2ND FLOOR, SCOE

Date/Day	Time	Particulars	Speaker
19 th Dec 2016, Monday	09:30 am – 10:00 am	Registration	
	10:00 am – 11:00 am	Inauguration	
	11:00 am – 01:00 pm	Session I	Dr. Abdul Razak Honnutagi, Director, AIKTC, Panvel
	01:00 pm – 02:00 pm	Lunch Break	
	02:00 pm – 04: 00 pm	Session II : Advances in Concrete Technology	Dr. V. B. Ashtankar, BMC
20 th Dec 2016, Tuesday	10:30 am – 01:00 pm	Session I: Green Building	Mr. C. J. Rao MHADA
	01:00 pm – 02:00 pm	Lunch Break	
	02:00 pm – 04: 00 pm	Session II: Geotech Engg.	Dr. Ramachandra Hegde MPCE, NMIMS
21 st Dec 2016, Wednesday	10:30 am – 01:00 pm	Session I: Geology	Dr. Suman Rawat SCOE
	01:00 pm – 02:00 pm	Lunch Break	
	02:00 pm – 04: 00 pm	Session II: Site Visit	
22 nd Dec 2016, Thursday	10:30 am – 01:00 pm	Session I: Remote Sensing and GIS	Prof. Mugdha Agarwadkar SCOE
	01:00 pm – 02:00 pm	Lunch Break	
	02:00 pm – 04: 00 pm	Session II: Disaster Management	Mr. Yogesh Agarwadkar Research Scholar, IIT-B
23 rd Dec 2016, Friday	10:00 am – 11:30 am	Session I: Transportation Engg.	Mrs. K. P. Remya Research Scholar, IIT-B
	11:30 am – 01:30 pm	Session II: Environmental Engg.	Dr. Tejaswini Nalamutt Pillai's HOC CET
	01:30 pm – 02:00 pm	Lunch Break	
	02:00 pm – 04: 00 pm	Valedictory Function	

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STTP PROGRAMME SCHEDULE (19TH - 23RD DEC 2016)

VENUE: SEMINAR HALL, 2ND FLOOR, SCOE

Date/Day	Time	Particulars	Speaker
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	01:00 pm – 02:00 pm	Lunch Break	Dr. Abdul Razak Honnutagi, Director, AIKTC, Parvel
	02:00 pm – 04: 00 pm	Session II : Advances in Concrete Technology	Dr. V. B. Ashtankar, BMC
20th Dec 2016, Tuesday	10:30 am – 01:00 pm	Session I: Green Building	Mr. C. J. Rao MHADA
	01:00 pm – 02:00 pm	Lunch Break	
	02:00 pm – 04: 00 pm	Session II: Geotech Engg.	Dr. Ramachandra Hegde MPCE, NMIMS
21st Dec 2016, Wednesday	10:30 am – 01:00 pm	Session I: Geology	Dr. Suman Rawat SCOE
	01:00 pm – 02:00 pm	Lunch Break	
	02:00 pm – 04: 00 pm	Session II: Site Visit	
22nd Dec 2016, Thursday	10:30 am – 01:00 pm	Session I: Remote Sensing and GIS	Prof. Mugdha Agarwadkar SCOE
	01:00 pm – 02:00 pm	Lunch Break	
	02:00 pm – 04: 00 pm	Session II: Disaster Management	Mr. Yogesh Agarwadkar Research Scholar, IIT-B
23rd Dec 2016, Friday	10:00 am – 11:30 am	Session I: Transportation Engg.	Mrs. K. P. Remya Research Scholar, IIT-B
	11:30 am – 01:30 pm	Session II: Environmental Engg.	Dr. Tejaswini Nalamutt Pillai's HOC CET
	01:30 pm – 02:00 pm	Lunch Break	
	02:00 pm – 04: 00 pm	Valedictory Function	



SARASWATI Education Society's
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Kharghar, Navi Mumbai - 410 210.

Date: 09/12/2016

To,

Dr. Suman Rawat
Professor
Civil Engineering Department
SCOE

Subject: Invitation to be speaker of STTP on "Frontiers of Civil Engineering"

Dear Sir/Madam,

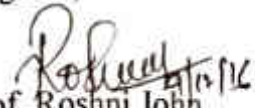
We are pleased to inform you that Civil Engineering Department of Saraswati College of Engineering Navi Mumbai, Kharghar is planning to organize a Short-Term Training Programme on "Frontiers of Civil Engineering" from 19th - 23rd December 2016.

The aim of the STTP is to provide an opportunity for academicians and industrialists to meet and share their thoughts on innovative technological trends and to explore future trends in various areas of Engineering.

In this regard, we would like to request you to be one of the Guest Speaker for the said event to share your knowledge to all the participants. We hope you honor us with your presence and shed light on the recent trends in the field of Civil Engineering.

Thanking you in anticipation.

Regards,


Prof. Roshni John
(HOD, Civil Engg.)
Saraswati College of Engineering,
Kharghar, Navi Mumbai,
Maharashtra, India-410210.

Accepted


Date: 22/12/2016

To,

Dr. Suman Rawat
Professor,
SCOE, Kharghar

Respected Madam,

I would like to take this opportunity to thank you on behalf of the entire Civil Engineering Department for the enlightening talk. Your knowledge in the field of Civil combined with a great presenting style captivated all the participants. Please accept our sincere appreciation for your talk on 22nd Dec 2016 in the Short-Term Training Program on the "Frontiers of Civil Engineering". Thank you so much for sharing your time and experience with us. We hope you will oblige us by giving another talk in the future.

Thanking you.

Regards,

Received.
Suman

Roshni
22/12/16 .

Prof. Roshni John
HOD, Civil Dept.
Saraswati College of Engineering

Ref No: SCOE/Admin/2016/631

Date: 09/12/2016

To,

Mrs. Remya. K.P.
Research Scholar, IITB

Subject: Invitation to be speaker of STTP on "Frontiers of Civil Engineering"

Dear Sir/Madam,

We are pleased to inform you that Civil Engineering Department of Saraswati College of Engineering Navi Mumbai, Kharghar is planning to organize a Short-Term Training Programme on "Frontiers of Civil Engineering" from 19th to 23rd December 2016.

The aim of the STTP is to provide an opportunity for academicians and industrialists to meet and share their thoughts on innovative technological trends and to explore future trends in various areas of Engineering.

In this regard, we would like to request you to be one of the Guest Speaker for the said event on 23rd December (Session 1 at 10am) to share your knowledge. We hope you will honor us with your presence and shed light on the recent trends in the field of Civil Engineering.

Invita

Thanking you in anticipation.

Regards,

Prof. Roshni John
(HOD, Civil Engg.)
Saraswati College of Engineering,
Kharghar, Navi Mumbai,
Maharashtra, India-410210.



Received
Key
REMYA KP

Ref No: SCOE/Admin/2016/633

Date: 09/12/2016

To,

Mr. Yogesh Agarwadkar.

Director.

InfCorridor Solutions Pvt. Ltd

Subject: Invitation to be speaker of STTP on "Frontieresf Civil Engineering"

Dear Sir/Madam,

We are pleased to inform you that Civil Engineering Department of Saraswati College of Engineering Navi Mumbai, Kharghar is planning to organize a Short-Term Training Programme on "Frontiers of Civil Engineering" from 19th - 23rd December 2016.

The aim of the STTP is to provide an opportunity for academicians and industrialists to meet and share their thoughts on innovative technological trends and to explore future trends in various areas of Engineering.

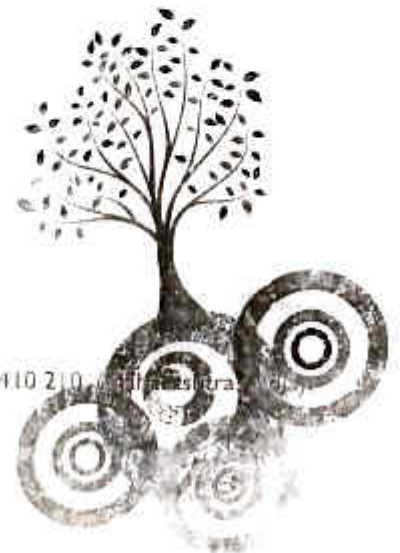
In this regard, we would like to request you to be one of the Guest Speakers for the said event to share your knowledge to all the participants. We hope you honor us with your presence and shed light on the recent trends in the field of Civil Engineering.

Thanking you in anticipation.

Regards,

Roshni John
9/12/16
Prof. Roshni John
(HOD, Civil Engg.)
Saraswati College of Engineering,
Kharghar, Navi Mumbai,
Maharashtra, India-410210.

Yogesh Agarwadkar
22nd Dec 16



Campus:

Plot No - 4E, Sector - 5, Behind MSEB Sub-Station, Near Uday Chowk, Kharghar, Navi Mumbai - 410 210, Maharashtra

Tel: 022 - 27743706 / 07 / 08 / 09. Fax: 022 - 27743713. Email: registrarsaraswati@gmail.com

Website: saraswati.edu.in / www.nvot.edu.in

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(REMUNERATION CLAIM FORM BY EXAMINERS)

Examiner's Status : Examiner / Moderator / Re-assessor

Name of the Examiner & College : DR. TEJASHINI NALAMUTT. PILLAI'S HCC
CCE

Address of Examiner & Contact No. : _____

Examination : FE/SE/TE/BE/MMS Semester : I, II, III, IV, V, VI, VII, VIII (Rev / Old)

Month & Year of Examination : _____ Date of Assessment _____

DETAILS OF REMUNERATION CLAIMED

Sr No.	Particulars	Branch	Subject	Sem	Date	No. of Students	Total Amount
1	Examining answer book						3000/-
2	Examining answer book						
3	Examining answer book						
4	Assessing Term Work						
5	Assessing Term Work						
6	Conducting Practical/oral						
7	Conducting Practical/oral						
8	CAS Allowance (For.....day)					TOTAL	3000/-

Note : Minimum remuneration to be given for each subject & every appointment will be Rs. 100/-

Controller of Examination

Principal

RECEIPT

Received above remuneration of Rs. 3000/- (In words) Rs. THREE THOUSAND ONLY by Cash/Cheque No. 23/1 dated 23/12/16 drawn on _____

Receiver's Signature with date

(Affix revenue stamp if amount is above Rs. 5,000/-)

DOC. NO. EXAM / FR.-24 REV-00 (06/01/15)



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(REMUNERATION CLAIM FORM BY EXAMINERS)

Examiner's Status : Examiner / Moderator / Re-assessor

Name of the Examiner & College : MRS RENUA K P

Address of Examiner & Contact No. : _____

Examination : FE/SE/TE/BE/MMS Semester : I, II, III, IV, V, VI, VII, VIII (Rev / Old)

Month & Year of Examination : _____ Date of Assessment _____

DETAILS OF REMUNERATION CLAIMED

Sr. No	Particulars	Branch	Subject	Sem	Date	No. of Students	Total Amount
1	Examining answer book						3000/-
2	Examining answer book						
3	Examining answer book						
4	Assessing Term Work						
5	Assessing Term Work						
6	Conducting Practical/oral						
7	Conducting Practical/oral						
8	CAS Allowance (For.....day)						
						TOTAL	3000/-

Note : Minimum remuneration to be given for each subject & every appointment will be Rs. 100/-

Controller of Examination

Principal

RECEIPT

Received above remuneration of Rs 3000/- (In words) Rs. THREE THOUSAND ONLY by Cash\Cheque No. _____ dated 23-12-16 drawn on _____

Receiver's Signature with date

(Affix revenue stamp if amount is above Rs. 5,000/-)

DOC. NO. EXAM / FR.-24 REV-00 (06/01/15)



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(REMUNERATION CLAIM FORM BY EXAMINERS)

Examiner's Status : Examiner / Moderator / Re-assessor

Name of the Examiner & College : YOGESH AGARWADKAR

Address of Examiner & Contact No. : _____

Examination : FE/SE/TE/BE/MMS Semester : I, II, III, IV, V, VI, VII, VIII (Rev / Old)

Month & Year of Examination : _____ Date of Assessment _____

DETAILS OF REMUNERATION CLAIMED

Sr. No	Particulars	Branch	Subject	Sem	Date	No. of Students	Total Amount
1	Examining answer book						3000
2	Examining answer book						/
3	Examining answer book						
4	Assessing Term Work						
5	Assessing Term Work						
6	Conducting Practical/oral						
7	Conducting Practical/oral						
8	CAS Allowance (For.....day)					TOTAL	

Note : Minimum remuneration to be given for each subject & every appointment will be Rs. 100/-

Controller of Examination

Principal

RECEIPT

Received above remuneration of Rs 3000/- (In words) Rs. THREE THOUSAND ONLY
by Cash/Cheque No. _____ dated 22/12/16 drawn on _____

Receiver's Signature with date

(Affix revenue stamp if amount is above Rs. 5,000/-)

DOC. NO. EXAM / FR.-24 REV-00 (06/01/15)



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(REMUNERATION CLAIM FORM BY EXAMINERS)

Examiner's Status : Examiner / Moderator / Re-assessor

Name of the Examiner & College

Dr. Abdul Fazal

Address of Examiner & Contact No.

Examination : FE/SE/TE/BE/MMS Semester : I, II, III, IV, V, VI, VII, VIII (Rev / Old)

Month & Year of Examination

Date of Assessment

DETAILS OF REMUNERATION CLAIMED

Sr No	Particulars	Branch	Subject	Sem	Date	No. of Students	Total Amount
1	Examining answer book						3000
2	Examining answer book						
3	Examining answer book						
4	Assessing Term Work						
5	Assessing Term Work						
6	Conducting Practical/oral						
7	Conducting Practical/oral						
8	CAS Allowance (For.....day)					TOTAL	3000

Note : Minimum remuneration to be given for each subject & every appointment will be Rs. 100/-

Controller of Examination

Principal

RECEIPT

Received above remuneration of Rs. 3000/- (In words) Rs. THREE THOUSAND ONLY by Cash/Cheque No. _____ dated 23/12/16 drawn on _____

Receiver's Signature with date

(Affix revenue stamp if amount is above Rs. 5,000/-)

DOC. NO. EXAM / FR.-24 REV-00 (06/01/15)

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Handwritten text, possibly a date or a specific reference number, written in a cursive or shorthand style.

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Principal

RECEIPT

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(REMUNERATION CLAIM FORM BY EXAMINERS)

Examiner's Status - Examiner / Moderator / Re-assessor

Name of the Examiner & College *Mrs. S. S. Patil*

Address of Examiner & Contact No.

Examination - *BT/SE/TE/BE/MMS Semester I, II, III, IV, V, VI, VII, VIII (Rev/Old)*

Month & Year of Examination

Date of Assessment

DETAILS OF REMUNERATION CLAIMED

No.	Particulars	Branch	Subject	Sem	Date	No. of Students	Total Amount
1	Examining answer book						
2	Examining answer book						
3	Examining answer book						
4	Assessing Term Work						
5	Assessing Term Work						
6	Conducting Practical/total						
7	Conducting Practical/total						
8	CAS Allowance (Per day)						

Note: Minimum remuneration to be given for each subject & every appointment will be Rs. 100/-

Controller of Examination

Principal

RECEIPT

Received above remuneration of Rs. *20000/-* (In words) Rs. *Twenty thousand only*

by Cash/Cheque No. *1000* dated *27/11/16* drawn on

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(Affix revenue stamp if amount is above Rs. 5,000/-)



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EXPERT LECTURE: **MODELLING TECHNIQUES FOR RESEARCH IN CIVIL ENGG**
EXPERT SPEAKER: **Dr. ABDUL RAZAK HONNUTAGI** Session: **MORNING**
Date: **19-12-16**

ATTENDANCE LIST

Sr. No	NAME OF FACULTY	DESIGNATION	SIGNATURE
1	Mrs. Roshni John	Assoc. Prof	<i>[Signature]</i>
2	Dr. S. M Rangari	Professor	<i>[Signature]</i>
3	Mr. U.W Mate	Assoc. Prof	<i>[Signature]</i>
4	Mrs. Shilpa Kewate	Assoc. Prof	<i>[Signature]</i>
5	Mrs. Pooja Somani	Assoc. Prof	<i>[Signature]</i>
6	Dr. Suman Rawat	Professor	<i>[Signature]</i>
7	Mrs. Rachel Gitty	Asst. Prof	<i>[Signature]</i>
8	Mrs. Shanthi Selvem	Asst. Prof	<i>[Signature]</i>
9	Mr. D. M. Joshi	Asst. Prof	<i>[Signature]</i>
10	Ms. Molly Mathew	Asst. Prof	<i>[Signature]</i>
11	Dr. Priyanka Jadhav	Asst. Prof.	<i>[Signature]</i>
12	Mr. Ratnadeep Mane	Asst. Prof	<i>[Signature]</i>
13	Ms. Asmita Lakhote	Asst. Prof	<i>[Signature]</i>
14	Ms. Vaishali Kishan	Asst. Prof	<i>[Signature]</i>
15	Ms. Varsha Patil	Asst. Prof	<i>[Signature]</i>
16	Mr. Vishal Misal	Asst. Prof	<i>[Signature]</i>
17	Ms. Supriya Khedkar	Asst. Prof	<i>[Signature]</i>
18	Ms. Mrinmayee Ganage	Asst. Prof	<i>[Signature]</i>
19	Mrs. Sujaya Wadekar	Asst. Prof	<i>[Signature]</i>
20	Mr. Siddhartha Roy	Asst. Prof	<i>[Signature]</i>
21	Mr. Sanjay Singh	Asst. Prof.	<i>[Signature]</i>
22	Ms. Yugandhara S. Sontakke	Asst. Prof.	<i>[Signature]</i>
23	Mr. Harshal Deshpande	Asst. Prof.	<i>[Signature]</i>
24	Mrs. Mugdha Agarwadkar	Asst. Prof	<i>[Signature]</i>
25	Mr. Vaibhav Jadhav	Asst. Prof	<i>[Signature]</i>
26	Ms. Garima Nagpal	Asst. Prof	<i>[Signature]</i>

Atten

27	Ms. Vasundhara Gaikwad	Asst. Prof	
28	Ms. Steffi Stephen	Asst. Prof	
29	Ms. Monica Bagal	Asst. Prof	Moni
30	Mrs. Roshni Kamat	TA	
31	Ms. Dholariya Sheetal	TA	Sheetal
32	Mr. Aniket Bhagat	TA	



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EXPERT LECTURE: ENGG. GEOLOGY
EXPERT SPEAKER: DR. SUMAN RAWAT
Date: 19-12-16

Session: EVENING

ATTENDANCE LIST

Sr. No	NAME OF FACULTY	DESIGNATION	SIGNATURE
1	Mrs. Roshni John	Assoc. Prof	
2	Dr. S. M Rangari	Professor	
3	Mr. U.W Mate	Assoc. Prof	
4	Mrs. Shilpa Kewate	Assoc. Prof	
5	Mrs. Pooja Somani	Assoc. Prof	
6	Dr. Suman Rawat	Professor	
7	Mrs. Rachel Gitty	Asst. Prof	
8	Mrs. Shanthi Selvem	Asst. Prof	
9.	Mr. D. M. Joshi	Asst. Prof	
10	Ms. Molly Mathew	Asst. Prof	
11	Dr. Priyanka Jadhav	Asst. Prof.	
12	Mr. Ratnadeep Mane	Asst. Prof	
13	Ms. Asmita Lakhote	Asst. Prof	
14	Ms. Vaishali Kishan	Asst. Prof	
15	Ms. Varsha Patil	Asst. Prof	
16	Mr. Vishal Misal	Asst. Prof	
17	Ms. Supriya Khedkar	Asst. Prof	
18.	Ms. Mrinmayee Ganage	Asst. Prof	
19	Mrs. Sujaya Wadekar	Asst. Prof	
20	Mr. Siddhartha Roy	Asst. Prof	
21	Mr. Sanjay Singh	Asst. Prof.	
22	Ms. Yugandhara S. Sontakke	Asst. Prof.	
23	Mr. Harshal Deshpande	Asst. Prof.	
24	Mrs. Mugdha Agarwadkar	Asst. Prof	
25	Mr. Vaibhav Jadhav	Asst. Prof	
26	Ms. Garima Nagpal	Asst. Prof	

27	Ms. Vasundhara Gaikwad	Asst. Prof	<i>[Signature]</i>
28	Ms. Steffi Stephen	Asst. Prof	<i>[Signature]</i>
29	Ms. Monica Bagal	Asst. Prof	<i>[Signature]</i>
30	Mrs. Roshni Kamat	TA	<i>[Signature]</i>
31	Ms. Dholariya Sheetal	TA	<i>[Signature]</i>
32	Mr. Aniket Bhagat	TA	<i>[Signature]</i>



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EXPERT LECTURE: GREEN BUILDING TECHNOLOGY TOWARDS SUSTAINABLE
EXPERT SPEAKER: C.J. RAO DUPT.
Date: 20-12-16 Session: MORNING

ATTENDENCE LIST

Sr. No	NAME OF FACULTY	DESIGNATION	SIGNATURE
1	Mrs. Roshni John	Assoc. Prof	Roshni
2	Dr. S. M Rangari	Professor	S. M Rangari
3	Mr. U.W Mate	Assoc. Prof	U. W Mate
4	Mrs. Shilpa Kewate	Assoc. Prof	Shilpa
5	Mrs. Pooja Somani	Assoc. Prof	Pooja
6	Dr. Suman Rawat	Professor	Suman Rawat
7	Mrs. Rachel Gitty	Asst. Prof	Rachel Gitty
8	Mrs. Shanthi Selvem	Asst. Prof	Sp Selvem
9	Mr. D. M. Joshi	Asst. Prof	D. M. Joshi
10	Ms. Molly Mathew	Asst. Prof	Molly Mathew
11	Dr. Priyanka Jadhav	Asst. Prof.	Priyanka Jadhav
12	Mr. Ratnadeep Mane	Asst. Prof	Ratnadeep Mane
13	Ms. Asmita Lakhote	Asst. Prof	Asmita Lakhote
14	Ms. Vaishali Kishan	Asst. Prof	Vaishali Kishan
15	Ms. Varsha Patil	Asst. Prof	Varsha Patil
16	Mr. Vishal Misal	Asst. Prof	Vishal Misal
17	Ms. Supriya Khedkar	Asst. Prof	Supriya Khedkar
18.	Ms. Mrinmayee Ganage	Asst. Prof	Mrinmayee Ganage
19	Mrs. Sujaya Wadekar	Asst. Prof	Sujaya Wadekar
20	Mr. Siddhartha Roy	Asst. Prof	Siddhartha Roy
21	Mr. Sanjay Singh	Asst. Prof.	Sanjay Singh
22	Ms. Yugandhara S. Sontakke	Asst. Prof.	Yugandhara S. Sontakke
23	Mr. Harshal Deshpande	Asst. Prof.	Harshal Deshpande
24	Mrs. Mugdha Agarwadkar	Asst. Prof	Mugdha Agarwadkar
25	✕ Mr. Vaibhav Jadhav	Asst. Prof	Vaibhav Jadhav
26	Ms. Garima Nagpal	Asst. Prof	Garima Nagpal

27	Ms. Vasundhara Gaikwad	Asst. Prof	<i>[Signature]</i>
28	Ms. Steffi Stephen	Asst. Prof	<i>[Signature]</i>
29	Ms. Monica Bagal	Asst. Prof	<i>[Signature]</i>
30	Mrs. Roshni Kamat	TA	<i>[Signature]</i>
31	Ms. Dholariya Sheetal	TA	<i>[Signature]</i>
32	Mr. Aniket Bhagat	TA	<i>[Signature]</i>



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EXPERT LECTURE: THERMOSTRUCTURAL RESPONSE OF MASS CONCRETE
EXPERT SPEAKER: BY V.B ASHTANKAR STRUCTURES
Date: 20-12-16 Session: EVENING

ATTENDANCE LIST

Sr. No	NAME OF FACULTY	DESIGNATION	SIGNATURE
1	Mrs. Roshni John	Assoc. Prof	Roshni
2	Dr. S. M Rangari	Professor	S.M. Rangari
3	Mr. U.W Mate	Assoc. Prof	U.W. Mate
4	Mrs. Shilpa Kewate	Assoc. Prof	Shilpa Kewate
5	Mrs. Pooja Somani	Assoc. Prof	Pooja Somani
6	Dr. Suman Rawat	Professor	Suman Rawat
7	Mrs. Rachel Gitty	Asst. Prof	Rachel Gitty
8	Mrs. Shanthi Selvem	Asst. Prof	Shanthi Selvem
9	Mr. D. M. Joshi	Asst. Prof	D.M. Joshi
10	Ms. Molly Mathew	Asst. Prof	Molly Mathew
11	Dr. Priyanka Jadhav	Asst. Prof.	Priyanka Jadhav
12	Mr. Ratnadeep Mane	Asst. Prof	Ratnadeep Mane
13	Ms. Asmita Lakhote	Asst. Prof	Asmita Lakhote
14	Ms. Vaishali Kishan	Asst. Prof	Vaishali Kishan
15	Ms. Varsha Patil	Asst. Prof	Varsha Patil
16	Mr. Vishal Misal	Asst. Prof	Vishal Misal
17	Ms. Supriya Khedkar	Asst. Prof	Supriya Khedkar
18	Ms. Mrinmayee Ganage	Asst. Prof	Mrinmayee Ganage
19	Mrs. Sujaya Wadekar	Asst. Prof	Sujaya Wadekar
20	Mr. Siddhartha Roy	Asst. Prof	Siddhartha Roy
21	Mr. Sanjay Singh	Asst. Prof.	Sanjay Singh
22	Ms. Yugandhara S. Sontakke	Asst. Prof.	Yugandhara S. Sontakke
23	Mr. Harshal Deshpande	Asst. Prof.	Harshal Deshpande
24	Mrs. Mugdha Agarwadkar	Asst. Prof	Mugdha Agarwadkar
25	Mr. Vaibhav Jadhav	Asst. Prof	Vaibhav Jadhav
26	Ms. Garima Nagpal	Asst. Prof	Garima Nagpal

27	Ms. Vasundhara Gaikwad	Asst. Prof	<i>Gaikwad</i>
28	Ms. Steffi Stephen	Asst. Prof	<i>Steffi</i>
29	Ms. Monica Bagal	Asst. Prof	<i>Monica</i>
30	Mrs. Roshni Kamath	TA	<i>Roshni</i>
31	Ms. Dholariya Sheetal	TA	<i>Sheetal</i>
32	Mr. Aniket Bhagat	TA	<i>Aniket Bhagat</i>



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ON
FRONTIERS OF CIVIL ENGINEERING

SITE VISIT

Date: 21/12/16

ATTENDENCE LIST

Sr. No	NAME OF FACULTY	DESIGNATION	SIGNATURE
1	Mrs. Roshni John	Assoc. Prof	Roshni
2	Dr. S. M Rangari	Professor	
3	Mr. U.W Mate	Assoc. Prof	
4	Mrs. Shilpa Kewate	Assoc. Prof	
5	Mrs.Pooja Somani	Assoc. Prof	
6	Dr. Suman Rawat	Professor	
7	Mrs. Rachel Gitty	Asst. Prof	
8	Mrs. Shanthi Selvem	Asst. Prof	Sp. Selvam
9	Mr. D. M . Joshi	Asst. Prof	
10	Ms. Molly Mathew	Asst. Prof	
11	Dr. Priyanka Jadhav	Asst. Prof.	
12	Mr. Ratnadeep Mane	Asst. Prof	
13	Ms. Asmita Lakhote	Asst. Prof	
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29	Ms. Monica Bagal	Asst. Prof	
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32	Mr. Aniket Bhagat	TA	



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EXPERT LECTURE:

EXPERT SPEAKER:

Date: 22/12/16

Session : MORNING

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1	Mrs. Roshni John	Assoc. Prof	
2	Dr. S. M Rangari	Professor	
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26	Ms. Garima Nagpal	Asst. Prof	

27	Ms. Vasundhara Gaikwad	Asst. Prof	
28	Ms. Steffi Stephen	Asst. Prof	
29	Ms. Monica Bagal	Asst. Prof	
30	Mrs. Roshni Kamat	TA	Moni
31	Ms. Dholariya Sheetal	TA	Roshni
32	Mr. Aniket Bhagat	TA	Aniket Bhagat



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EXPERT LECTURE:

EXPERT SPEAKER:

Date: 23/12/16

Session : MORNING

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25	Mr. Vaibhav Jadhav	Asst. Prof	

26	Ms. Garima Nagpal	Asst. Prof	
27	Ms. Vasundhara Gaikwad	Asst. Prof	Garima
28	Ms. Steffi	Asst. Prof	
29	Ms. Monica Bagal	Asst. Prof	Steffi
30	Mrs. Roshni Kamat	TA	Roshni
31	Mrs. D. Sheetal	TA	Sheetal
32	Mr. Aniket Bhagat	TA	Aniket



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24	Mrs. Mugdha Agarwadkar	Asst. Prof	
25	Mr. Vaibhav Jadhav	Asst. Prof	

26	Ms. Garima Nagpal	Asst. Prof	
27	Ms. Vasundhara Gaikwad	Asst. Prof	Chaitanya
28	Ms. Steffi	Asst. Prof	
29	Ms. Monica Bagal	Asst. Prof	Chaitanya
30	Mrs. Roshni Kamat	TA	Roshni
31	Mrs. D. Sheetal	TA	Sheetal
32	Mr. Aniket Bhagat	TA	



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EXPERT LECTURE:

EXPERT SPEAKER:

Date: 22/12/2016

Session : AFTERNOON

ATTENDENCE LIST

Sr. No	NAME OF FACULTY	DESIGNATION	SIGNATURE
1	Mrs. Roshni John	Assoc. Prof	
2	Dr. S. M Rangari	Professor	
3	Mr. U.W Mate	Assoc. Prof	
4	Mrs. Shilpa Kewate	Assoc. Prof	
5	Mrs. Pooja Somani	Assoc. Prof	
6	Dr. Suman Rawat	Professor	
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9.	Mr. D. M. Joshi	Asst. Prof	
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11	Dr. Priyanka Jadhav	Asst. Prof.	
12	Mr. Ratnadeep Mane	Asst. Prof	
13	Ms. Asmita Lakhote	Asst. Prof	
14	Ms. Vaishali Kishan	Asst. Prof	
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Annash Chavan

A. P.





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EXPERT LECTURE:
 EXPERT SPEAKER: **MRS. REMYA K.P**
 Date: **23-12-16**

Session: **MORNING**

ATTENDANCE LIST

Sr. No	NAME OF FACULTY	DESIGNATION	SIGNATURE
1			
2	Mrs. Roshni John	Assoc. Prof	
3	Dr. S. M Rangari	Professor	
4	Mr. U.W Mate	Assoc. Prof	
5	Mrs. Shilpa Kewate	Assoc. Prof	
6	Mrs. Pooja Somani	Assoc. Prof	<i>[Signature]</i>
7	Dr. Suman Rawat	Professor	
8	Mrs. Rachel Gitty	Asst. Prof	<i>[Signature]</i>
9	Mrs. Shanthi Selvem	Asst. Prof	
10	Mr. D. M. Joshi	Asst. Prof	
11	Ms. Molly Mathew	Asst. Prof	
12	Dr. Priyanka Jadhav	Asst. Prof.	<i>[Signature]</i>
13	Mr. Ratnadeep Mane	Asst. Prof	<i>[Signature]</i>
14	Ms. Asmita Lakhote	Asst. Prof	
15	Ms. Vaishali Kishan	Asst. Prof	
16	Ms. Varsha Patil	Asst. Prof	
17	Mr. Vishal Misal	Asst. Prof	<i>[Signature]</i>
18	Ms. Supriya Khedkar	Asst. Prof	<i>[Signature]</i>
19	Ms. Mrinmayee Ganage	Asst. Prof	<i>[Signature]</i>
20	Mrs. Sujaya Wadekar	Asst. Prof	<i>[Signature]</i>
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25	Mrs. Mugdha Agarwadkar	Asst. Prof	<i>[Signature]</i>
26	Mr. Vaibhav Jadhav	Asst. Prof	<i>[Signature]</i>
27	Ms. Garima Nagpal	Asst. Prof	<i>[Signature]</i>
27	Mrs. Smita Dholawia	TA	<i>[Signature]</i>
28	Mrs. Roshni Kamath	TA	<i>[Signature]</i>
29	Steffo Stephen	Asst. Prof	<i>[Signature]</i>

SHORT TERM TRAINING PROGRAM ON FRONTIERS OF CIVIL ENGINEERING

REPORT OF SESSION I

DATE: 19-12-2016

TIME 11:00-1:00 PM

EXPERT LECTURE: Use of Modeling Techniques in Research

EXPERT SPEAKER: Dr. Abdul Razak Honnutagi

The training session was attended by 30 faculties.

Objective: To introduce the basic concepts of Research Methodology and Modeling Techniques used in research.

Content:

The speaker gave an overview of the following contents:

- Perception towards 'learning attitude and lifelong learning' by quoting Dr. Peter Drucker and Laurence Prusak
- Importance of PhD and Research Paper Writing
- Research and Publishing Process
- Process of Technical Paper Writing
- Nature of Research Problems
- Flow of Research: Inductive and Deductive
- Research Process Flowchart and Stages in Research Process
- Qualitative and Quantitative research methods by showing a comic strip video
- Application of Modeling Techniques like Interpretive Structural Modeling, Analytic Hierarchy Process, Multi Linear Regression, Artificial Neural Networks, Lexico Goal Programming, Pairwise Comparison Matrix
- Multi methodology approach and Delphi technique





Conclusion:

The speaker gave a brief overview of the modeling techniques used in carrying out research and emphasized on Eigen vector solution as best approach of prioritizing by elucidating with interesting examples. He also pressed upon to carry out plagiarize free research work.

Although we like to think our *knowledge* is extensive, it is very much limited and there is so much we do not know. We are, as it were, seeing the tip of an *iceberg*. The speaker thus, triggered enthusiasm and excitement among the fellow participants to carry our research projects and PhD

SHORT TERM TRAINING PROGRAM ON FRONTIERS OF CIVIL ENGINEERING

REPORT OF SESSION II

DATE: 19-12-2016

TIME 1:30 – 3:00 PM

EXPERT LECTURE: Engineering Geology

EXPERT SPEAKER: Dr. Suman Rawat

The training session was attended by 30 faculties.

OBJECTIVE: To introduce the basic concepts of Geological Principles in Civil Engineering Projects

CONTENTS

The speaker gave an overview of the following contents:

- Importance of Engineering Geology in tackling the foundation problems of dams, bridges and buildings, systematic knowledge of construction materials and the damage caused by geologic hazards
- Earth as a Dynamic and Evolving Planet and Working of Plate Tectonic Theory
- Foldings: Mechanisms and processes
- Geological Faults and its types
- Fact that the Red Sea was created by the movement of plates in the Earth's surface about 30 million years ago, and is still widening at about one-half inch per year.
- Fractures/ Joints and ways in which it can develop
- Geological considerations for dam site including narrow river valley, occurrence of bed rocks at shallow depths, competent rocks to offer a stable foundation, Proper geological structures
- Forces acting on dam including weight of dam, water pressure, upliftment pressure, earthquake pressure
- Effect of associated geological structure
- Construction of dam for different rock bedding

CONCLUSION

The session was very informative and interactive. The speaker gave interesting information on the Geological principle in Civil Engineering Projects. The speaker emphasized on fact that planning of dam and reservoir sites must include careful consideration of the geologic

environment. Knowledge of the principal elements of this environment — topography, hydrology, and geology — contributes to the success of a project. Also, the cost of engineering works will be considerably reduced and will be highly safe if the geological survey of the area concerned is done before hand. The session was highly beneficial and knowledge upgrading.

SHORT TERM TRAINING PROGRAM ON FRONTIERS OF CIVIL ENGINEERING

REPORT OF SESSION II

DATE: 20-12-2016

TIME 11:30-1:30 PM

EXPERT LECTURE: Thermo Structural Response of Mass Concrete Structures

EXPERT SPEAKER: Dr. V.B Ashtankar, Vigilance Engineer, MCGM

The training session was attended by 30 faculties.

OBJECTIVE: To give an introduction on the thermally induced internal stresses caused by heat of hydration in mass concrete structures

CONTENT:

The speaker walked us through the journey of how to develop a numerical model of dam surface and study its various thermal behaviors during various stages using Finite Element Analysis.

The speaker also gave a good overview of following contents:

- Mass concrete structures and its thermal effects
- Mass concrete construction
- Various techniques of placing mass concrete
- Important consideration for roller compacted concrete : Formation of thermal gradients and various types of restraints
- Instrumentation in Mass concrete structures
- Finite element analysis
- Aspects of Adiabatic Heat Generation on RCC mix



Conclusion:

It was a very interactive session and the information was explained well. The speaker deduced how mass concrete structures were different from other concrete structures and thermal behavior of mass concrete structures. This session eventually triggered enthusiasm and excitement among the fellow participants and guided them through to carry out research on similar topics.

SHORT TERM TRAINING PROGRAM ON FRONTIERS OF CIVIL ENGINEERING

REPORT OF SESSION I

DATE: 20-12-2016

TIME 10:30-1:00 PM

EXPERT LECTURE: Green Building Technology towards Sustainable Development

EXPERT SPEAKER: C. J Rao, Deputy Engineer, MHADA Mumbai

The training session was attended by 30 faculties.

OBJECTIVE: To introduce the basic concepts of Green Building Technology towards Sustainable development goal

CONTENTS:

The speaker gave a broad overview of the following contents:

- Impact of Climate Change: Global warming, Water Scarcity, and Energy crisis
- Solution to climate change: Reduction of greenhouse gas effects,
Reducing consumption, effective use and recycle of waste water, Energy efficient equipment
- Sustainable Development and Green Building Design
- Benefits of Green buildings: Environmental benefits, Economic benefits and Social Benefits
- Aspects of Green Building Design: Site Planning, Building Envelope Design, Water and Waste Management
- Various existing rating systems: BREEAM, Calabaras LEED, CASBEE, LEED IGBC Rating system,
- Some of the LEED (Leadership in Energy and Environmental design) rated/Registered projects in India
- TERI GRIHA rating systems
- Comparison of major GB Certification tools based on system criteria
- Shortcomings in Existing Rating systems
- Mumbai Green building certification method
- Shared Experience on: Implementation of Green Building Design at MHADA's Versova Complex
- Rainwater harvesting, Sewage treatment plant and treatment layout of sewage treatment plant
- Cost of Green Building initiatives

- Green cost premium v/s level of certification of MHADA complex as per LEED Rating system
- Green cost premium v/s level of certification of MHADA complex as per TERI GRHA Rating system
- Cost savings due to: water conservation and energy conservation
- Barriers of green building development and strategies to overcome it

CONCLUSION : The session was a very informative and interactive one. The speakers shared his experiences, used pictures, and data extensively to make things clear. The participants were highly benefitted with the information pertaining to Green Building Design and the various exciting developments taking place on the technology front, which ensured tangible and significant returns on investment.

SHORT TERM TRAINING PROGRAM ON FRONTIERS OF CIVIL
ENGINEERING

SITE VISIT REPORT

DATE: 21-12-2016

TIME 10:30- 3:00 PM

Site Visit Location: Depot at Taloja for Navi Mumbai Metro line 1

Number of Participants: 32

Resource Persons:

S. Murugesan - In charge and Resident Engineer
Umate – Sr. Project Manager
AG Rajendra Patil – Sr. Project Manager

Introduction of Navi Mumbai Metro Rail Project:

Considering the growing population of Navi Mumbai and the anticipated future demand for public transport, 5 metro rail corridors in Navi Mumbai are being developed in phases.

Belapur- Taloja -Pendhar- Khandeshwar - NMIA (Navi Mumbai International Airport) is the first *elevated viaduct corridor* out of the 5 metro rail corridors. It is 23.4 km long

Navi Mumbai Metro system covers Belapur to Pendhar section in line 1 (11.10 Km) and MIDC to Khandeshwar section in line 2 (8.35 km) and interconnecting line 3 at Taloja near Panchand station (2 km) .

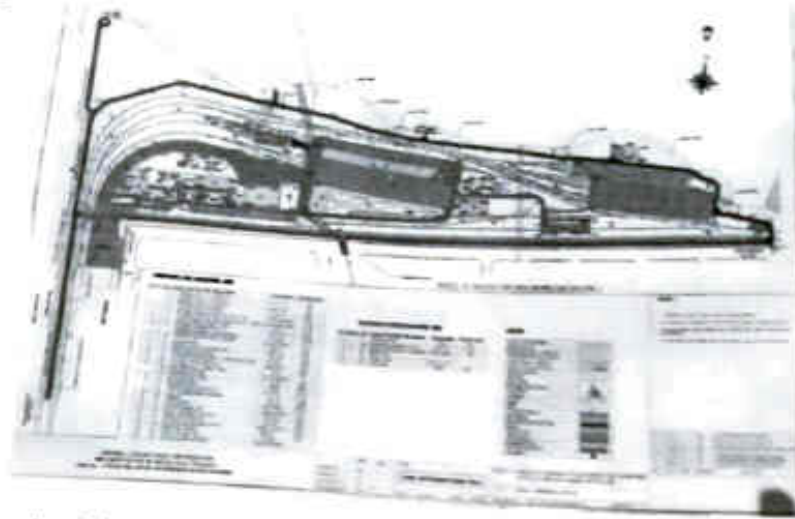
A *depot cum workshop* is being established at Taloja.

REPORT:

Mr. Murugesan while showing the general layout of “*Depot at Taloja for Navi Mumbai Metro line I*”, introduced us to the various Depot facilities:

- Maintenance Staff building
- Maintenance workshop
- Stabling shed
- Auxiliary vehicle workshop
- Central store building
- Test track platform
- OCC and Administration Building
- Heavy washing track shed
- Coach delivery track
- Underfloor wheel lathe Building

- Vehicle Parking area



This layout has been planned with all the required facilities in an area of about 50 hectares and this project is taken up by J Kumar-CRTG's joint venture. This project started in Feb 2013.

The following facility buildings were shown and a brief overview was given:

- **Workshop Building:**

This houses 3 lane tracks, 6 Pit Jacks, a Bogie turntable, and a Bogie test bench

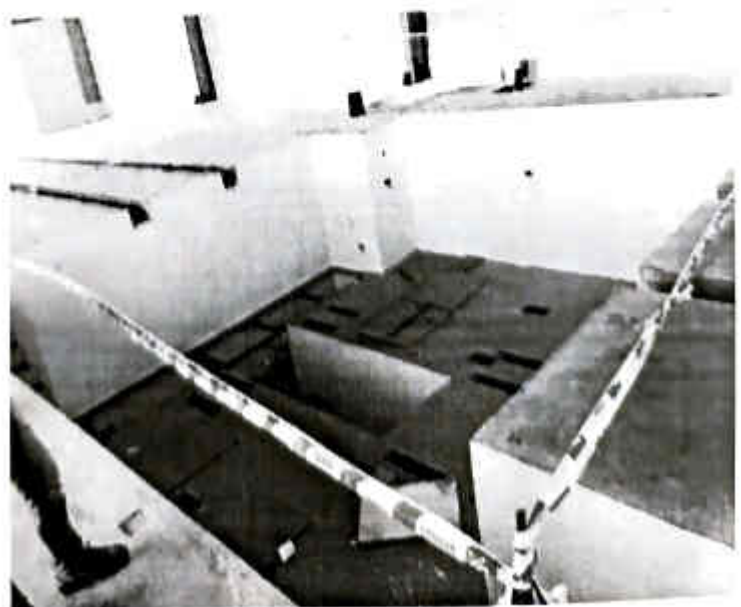
Following equipment repair/overhaul facilities are planned in the workshop.

- Body furnishing
- Bogie
- Wheels
- Traction Motor
- Axle box and axle bearing
- Electrical equipment like transformer, converter/inverter, circuit breaker, relays.
- Air conditioning equipment.
- Brake equipment.
- Door actuators
- Control and measuring equipment.
- Dampers and Springs

Cross track equipped with "bogie turntables" have been provided for movement of bogie between bays.

A Bogie Test Bench can mount, dismount and test a variety of bogies.

- **Test Track Area:** The length is about 870 m. It shall be used for the commissioning of the new trains, their trials and testing of the trains after the IOH (Intermediate Overhauling) and POH (Periodic Overhauling) in compliance to safety norms. Trains will be running at 80-100 km per hour.
- **Underfloor Wheel Lathe Building** This building houses the pit wheel lathe (PWL) which is approachable from workshop, inspection bay and stabling lines through rail and road. The machine is arranged in a pit. The wheel sets to be re-profiled are brought into the machine via the supply rails (if still attached to the vehicle) or by crane (if removed from the vehicle).
- **Central Store Building.**Used for stocking of spares for regular & emergency requirement including consumable items.It also caters for the requirement of depot for rollingstock & other disciplines.
- **Heavy Washing Track Shed:**Automatic washing of coaches is done here and there is a provision of Washing apron for collection of dripping water. Also elevated platforms are provided for easy washing.
- **OCC and Administration Building:** A security office is provided close to main entrance. Control of train operation will be done centrally from Operations Control Center (OCC), which will house Traffic Control Centre, SCADA System for Auxiliary Power, VAC Control & Monitoring, Telecommunication, CCTV Control & Monitoring etc.
- **Stabling Shed:** There is a provision of parking 8 trains, 4 in every lane. Trains are stabled in depots or sidings when not in use and they need to be cleaned and serviced. Water, power, and toilet cleaning systems is provided in this area. Floor height walkways alongside trains are built so that the cleaning staff can access the trains while carrying their equipment.





We were also introduced to '*ballast less tracks*'- these rails can withstand 'rail fractures' due to wear over time and do not require high maintenance. Also, unlike normal rail tracks which are laid on ballasted cushion provided by small granite stones, there is no ballast for the Metro rail.

All the buildings are *PEB*(Pre-Engineered Buildings). These are made of steel, factory built in Chennai and shipped here, where it is finally bolted together.

Finally, the faculties expressed their gratitude and thanked S. Murugesan, Mr. Umate and Mr. AG Rajendra Patil for keeping the appointment and sharing their knowledge. Further Prof. Roshni John, HOD, Civil, handed over the appreciation letter to them.



The site visit was very worthwhile. It enabled the faculties to understand, explore and identify the trends, techniques, skills and modern engineering tools used in the project.



SHORT TERM TRAINING PROGRAM ON FRONTIERS OF CIVIL ENGINEERING

REPORT OF SESSION I

DATE: 22-12-2016

TIME 10:30-1:00 PM

EXPERT LECTURE: Remote Sensing and GIS for Civil Engineers

EXPERT SPEAKER: Prof. Mugdha Agarwadkar

The training session was attended by 30 faculties.

Objective: To introduce the basic concepts of Remote Sensing and GIS for Civil Engineers.

Content:

The speaker gave an overview of the following contents:

- Introduction to Remote Sensing
- The oldest known sensors to the humans
- How the Remote Sensing has evolved over the years: From telescope to space
- The ElectroMagnetic Spectrum
- Working Principle of Remote Sensing
- The difference between a Standard Color Image and a Colored IR Image
- Introduction to Geographic Information System (GIS)
- Spatial Data deals with location and geometry and can be discrete or continuous
- Attribute Data means qualities and quantities of the object
- Time is also an important entity for GIS
- Representing Spatial Elements in GIS
- Representative Applications of Remote Sensing like change detection of urban sprawl, spatio-temporal variations in the sea surface temperature, land use/land cover changes.

Conclusion:

The speaker shed light on the basics of remote sensing and GIS and triggered interest and curiosity for the subject. The speaker elaborated on the working principles of remote sensing and GIS and their utility to Civil Engineers. Both remote sensing and GIS go hand-in-hand for solving our routine problems also like route planning etc. They are being widely all over the world.

SHORT TERM TRAINING PROGRAM ON FRONTIERS OF CIVIL
ENGINEERING

REPORT OF SESSION II

DATE: 22-12-2016

TIME 2:00 TO 4:00PM

EXPERT LECTURE: Civil Engineering for Environmental Assessment and Disaster Management

EXPERT SPEAKER: Mr. Yogesh Agarwadkar

The training session was attended by 30 faculties.

Objective: To shed light on the environmental assessment and disaster management from a civil engineer's perspective

Content:

The speaker gave an overview of the following contents:

- Introduction to the subject of disaster management
- Difference between a hazard and a disaster
- Concepts of vulnerability, risk and resilience
- Various types of hazards: Natural, man-made, human induced, quasi-natural, technological, societal
- Multi-Hazard Approach
- Environment assessment
- Hazard severity mapping
- Vulnerability assessment
- Resilience assessment
- Risk identification
- Understanding Dependencies
- Disaster Management: Pre-disaster, During disaster, Post-disaster

Conclusion:

The speaker highlighted the difference between a hazard and a disaster which is commonly neglected or confused by a lay person. The talk made the participants realize the role of a civil engineer in disaster management. Emphasis was also given on the fact that environment assessment and disaster management rely heavily on the knowledge of a civil engineer. Overall the session was very informative and useful.

SHORT TERM TRAINING PROGRAM

ON

FRONTIERS OF CIVIL ENGINEERING

Report of Session I

Date: 23-12-2016

Time 10:00 -11:30

EXPERT LECTURE: Transportation Engineering

EXPERT SPEAKER: Ms. Remya, Research Scholar, IIT Bombay

The training session was attended by 30 faculties.

OBJECTIVE: To study the impact of our decisions on Transportation Engineering.

CONTENT:

The speaker gave a good overview of following topics:

- Transportation Engineering: Transportation Planning, Land use development, Traffic Engineering, Pavement management Technology, Material Science, Accident prevention and safety, Law and Policy Regulation, Environmental; Impact Assessment, Psychology and Human Behavior
- Traffic Engineering: The Indian scenario
- Pavement Engineering: Designing roads for the predicted flows
Layers of materials
Pavement Management systems
- Highway engineering and safety: Designing the roads for the terrain
Forgiving Highways

- Types of Signaled intersection: Uncontrolled intersection
Channelized intersection,
Rotaries,
Signalized intersections
Grade separated intersection

- Characteristics of Signalized Intersection: Saturated flow
Diamond queue formation
Headway Compression



The speaker also shared some current research highlights at IIT Bombay:

- Predicting acceleration and deceleration characteristics of various vehicle types
- Driver distracting behavior- Driving simulator
- Speed variations of drivers in curves and its impact on highway design – driving simulator
- Surrogate Safety measures on highways
- User perceived level of services at various facilities
- Material testing and property improvements for pavement management systems
- Driver behavior modeling
- Modeling the high mobility vehicles in traffic stream

CONCLUSION:

It was a very interactive session and the information was explained well. The success of transportation engineering depends upon the co-ordination between the three primary elements, namely the vehicles, the roadways, and the road users. Their characteristics affect the performance of the transportation system and the transportation engineer should have good understanding about them. This session eventually triggered enthusiasm and excitement among the fellow participants and would be instrumental in carrying out research on similar topics.

SHORT TERM TRAINING PROGRAM ON FRONTIERS OF CIVIL
ENGINEERING

REPORT OF SESSION II

DATE: 23-12-2016

TIME 11:30-1:30 PM

EXPERT LECTURE: Use of Multivariate Statistical Techniques for the Management of Surface Water

EXPERT SPEAKER: Dr. Tejaswini D. Nalamutt, Prof. & HOD, Pillai College of Engineering and technology, Raisoni

The training session was attended by 30 faculties.

OBJECTIVE: To introduce the Multivariate Statistical Techniques for the management of surface water.

CONTENT: The speaker introduced the Multivariate technique for understanding the temporal and spatial variations and to have reliable info on quality of water for effective management

The speaker also gave a good overview of following contents:

- Surface water and its vital role in domestic and industrial water supply, power generation and irrigation
- Causes of deterioration of surface water bodies : Industrialization , Rapid Urbanization
- Surface water pollution : Anthropogenic, Natural Disturbances
- Multivariate Techniques: Cluster Analysis, Principal Component Analysis, Factor Analysis and Discriminant Analysis

The speaker elucidated the application of MVT by taking up 3 case studies:

- Case Study 1 – Application of MVT in water quality analysis, Fuji river basin, Japan
- Case Study 2– Evaluation of river water quality monitoring stations by Principal Component Analysis
- Case Study 3 – MVT for evaluation of spatial and temporal variation in water quality of Gomati River (India)



CONCLUSION:

It was a very interactive session and the information was explained well. The participants were enlightened about the various Multivariate Techniques and its application for the management of surface water. MVT serves as an excellent exploratory tool in analysis and interpretation of complex data set on water quality and in understanding their temporal and spatial variations. This session eventually triggered enthusiasm and excitement among the fellow participants and would be instrumental in carrying out research on similar topics.



SARASWATI Education Society's
SARASWATI College of Engineering

Learn Live Achieve and Contribute
 Kharghar, New Mumbai - 410 210

Feedback Form
 Short Term Training Programme
 On
 "Frontiers of Civil Engineering"
 10th - 23rd Dec 2016

Name of Participant: Pooja Somani
 Designation and Organization: Asso. Prof., SCOE

Please rank the sessions on a scale of 1 to 5 with 5 being excellent and 1 being poor.

	19 th Dec 2016		20 th Dec 2016		21 st Dec 2016	22 nd Dec 2016		23 rd Dec 2016	
	Session I	Session II	Session I	Session II	Site Visit	Session I	Session II	Session I	Session II
Content of the talk	5	5	4	3	5	5	5	4	4
Speaker's communication	5	4	4	4	4	4	4	4	4
Clarity in understanding	5	5	4	3	4	5	4	4	3
Interest in attending a follow up session	4	5	5	3	5	4	5	4	4

What did you most appreciate/enjoy/think was best about the course? Any suggestions for improvement?

All speakers were very good, sessions conducted were excellent

Thank you!

Please return this form to the coordinator at the end of the STTP



SARASWATI Education Society's
SARASWATI College of Engineering

[Learn Live Achieve and Contribute]
Kharghar, New Mumbai - 410 210

Feedback Form
Short Term Training Programme
On
"Frontiers of Civil Engineering"
19th - 23rd Dec 2016

Name of Participant:

Designation and Organization: Assistant Professor, COE

Please rank the sessions on a scale of 1 to 5 with 5 being excellent and 1 being poor.

	19 th Dec 2016		20 th Dec 2016		21 st Dec 2016	22 nd Dec 2016		23 rd Dec 2016	
	Session I	Session II	Session I	Session II	Site Visit	Session I	Session II	Session I	Session II
Content of the talk	4	4	3	2	5	5	4	5	4
Speaker's communication	4	5	3	2	4	5	4	5	4
Clarity in understanding	4	5	3	2	3	4	5	5	3
Interest in attending a follow up session	4	4	3	3	4	5	5	5	4

What did you most appreciate/enjoy/think was best about the course? Any suggestions for improvement?

- Came to know about advances & current technologies, methodologies.

Thank you!

Please return this form to the coordinator at the end of the STTP



SARASWATI Education Society's
SARASWATI College of Engineering

Learn Live Achieve and Contribute

Kharghar, Navi Mumbai - 410 210.

Feedback Form
Short Term Training Programme
On
"Frontiers of Civil Engineering"
19th - 23rd Dec 2016

Name of Participant: Mural Vushal U
Designation and Organization: A.P., SCOE

Please rank the sessions on a scale of 1 to 5 with 5 being excellent and 1 being poor.

	19 th Dec 2016		20 th Dec 2016		21 st Dec 2016	22 nd Dec 2016		23 rd Dec 2016	
	Session I	Session II	Session I	Session II	Site Visit	Session I	Session II	Session I	Session II
Content of the talk	4			3	5	5		4	4
Speaker's communication	5			3	5	5		4	4
Clarity in understanding	4			3	5	5		5	4
Interest in attending a follow up session	4			3	5	5		4	4

What did you most appreciate/enjoy/think was best about the course? Any suggestions for improvement?

I appreciate the work done by all

the coordinator

Thank you!

Please return this form to the coordinator at the end of the STTP

Date: 7/10/16

To:
The Principal,
SCOE, Kharghar


Subject :Letter Requesting for a Faculty Development Program Approval

Respected Madam,

We would like to ask for your permission to allow us to conduct Two Days Faculty Development Program on 20 and 21 October 2016 for IT and Computer department. We do believe that this endeavor may hone us more our staff with regards to our institute and its future development as a whole.

Thanking You

Approved



Yours Truly,

SARASWATI Education Society's

SARASWATI College of Engineering

Learn Live Achieve and Contribute

Kharghar, Navi Mumbai - 410 210.

21 October 2016

From,
Saraswati College Of Engineering,
Computer Department

To,
Prof. Tushar Kute sir,

On behalf of Saraswati College Of Engineering (Computer and IT Dept.), I would like to extend our heartfelt thanks for your participation as a speaker with our program **Faculty Development Program on Python and Ruby programming** on 20st and 21st october 2016.

The feedback from this FDP was extremely positive. Thank you not only for participating by sharing your expertise with our participants, but in being willing to coordinate a program in a completely virtual classroom setting. We know that this took extra care and skill to adapt your presentation to this style of delivery. Your responses were enthusiastic about the content and the overall quality of the FDP, and we had great feedback on your presentation. We are especially grateful that it will definitely helpful for us and indirectly to our students also.

Once again, thank you for sharing your topic knowledge and helping to support our staff. Thank you for joining us in this "FDP", and best to you in your professional endeavors.
Sincerely,



FDP Coordinator



HOD

Python Workshop – 2016



- | | |
|--|----------------|
| 1. Introduction to Python | 30 Mins |
| a) Why and What is Python? | |
| b) How to install Python? | |
| c) Python applications. | |
| 2. Starting the basic Programming | 30 Mins |
| a) Using terminal and IDE. | |
| b) Math in Python. | |
| c) Order of operations, Comments. | |
| d) Variables, Strings. | |
| 3. The loop structure | 01 Hr. |
| a) The 'while' loop. | |
| b) Boolean expressions. | |
| c) Conditional statements. | |
| d) If-else and elif. | |
| e) Indentation. | |
| 4. Functions | 01 Hr. |
| a) Using a function. | |
| b) Communication with the function. | |
| c) A calculator program. | |
| d) Define your own function. | |
| e) Ways of passing parameters. | |
| 5. Data Structures | 01 Hr. |
| a) Using Tuples. | |
| b) Lists and Dictionaries. | |
| c) The 'for' loop. | |
| 6. Classes and Modules | 01 Hr. |
| a) Creating a class. | |
| b) Using a class. | |
| c) Inheritance. | |
| d) Creating a module. | |
| 7. File I/O and exceptions | 01 Hr. |
| a) Opening and seeking a file. | |
| b) General I/O functions. | |
| c) Pickles. | |
| d) Exception handling. | |

Ruby Workshop – 2016



- | | |
|--|----------------|
| 1. Introduction To Ruby | 30 Mins |
| a) Installation of Ruby on Linux | |
| b) Introduction to Objects | |
| c) More Objects and Methods | |
| 2. Introduction to Strings | 45 Mins |
| a) Introduction to Strings | |
| b) String Basics | |
| c) Advanced String Operations | |
| 3. Conditions and Loops: Control Structures in Ruby | 01 Hr. |
| a) Boolean Expressions in Ruby | |
| b) The if..else construct | |
| c) Loops in Ruby | |
| 4. Arrays in Ruby | 30 Mins |
| a) Introduction to Arrays | |
| b) Basic Array Operations | |
| c) Iteration | |
| 5. Hashes in Ruby | 30 Mins |
| a) Introduction to Ruby Hashes | |
| b) Hashes, in and out. | |
| 6. Classes and Object Oriented Programming in Ruby | 45 Mins |
| a) Classes | |
| b) Building your own class | |
| 7. Introduction to Ruby Methods | 30 Mins |
| a) Being Methodical | |
| b) Calling a method | |
| 8. Introduction to Lambdas and Blocks | 30 Mins |
| a) Lambdas In Ruby | |
| b) Blocks In Ruby | |
| 9. Introduction to Modules | 30 Mins |
| a) Getting Modular | |
| b) Modules as Namespaces | |
| 10. Introduction to I/O | 30 Mins |
| a) Streams | |
| b) Using the 'File' Class | |

Objectives of Faculty Development Program

- Faculty development has as its goal continued renewal and growth of the faculty in all facets of their professional lives.
- maintain and enhance faculty effectiveness
- help faculty to fulfil academic responsibilities
- Ensure satisfactory adjustments to changing environments in instruction and within disciplines.
- To learn popular FOSS softwares- Python, Ruby, MongoDB, Hadoop, OpenStack, Wordpress and PHP in association with SnashLUG Nashik Linux Users Group.
- It is the purpose of the Faculty Development Program to provide resources, which will help faculty to develop as scholars, to publish, to share insights both within the community and at professional conferences, and to improve their work in the classroom.

Tushar B. Kute

Assistant Professor,
Department of Information Technology,
Sandip Institute of Technology and Research Centre,
Nashik, Maharashtra.

Coordinator: SnashLUG Nashik Linux Users Group, Nashik.

Website: <http://www.tusharkute.com>

E-Mail: tushar@tusharkute.com

Mobile: +91 7588594665.

Academic Records :

Qualification	Year of Passing	University / Board
M.E. Computer	June 2015	MIT, B.A.M.U., Aurangabad
B.E. Computer	May 2005	COEP, University of Pune
Diploma in Computer Engg.	May 2002	M. S. B. T. E., Mumbai

Experience: 09 Years.

Sr. No.	Institute	Post	Dept.	Duration
1	Sandip Foundation's, Sandip Institute of Technology and Research Centre Nashik	Assistant Professor	I.T.	11/11/2009 to till date
2	K. K. Wagh Education Society's, K.K. Wagh Polytechnic, Nashik.	Lecturer	I.T.	16/08/2006 to 10/11/2009

University Approval Number: CCO/2138 Dated 21-12-2009.

Specialized Subjects:

- Microprocessor and Micro-controllers
- Computer Organization and Architecture
- Operating System

Area of research:

- Linux administration and Kernel development.
- Embedded Systems.
- Machine Learning.

Departmental Responsibilities :

- Academic Coordinator.
- ISO Coordinator.
- Time-table in-charge.

- Tutor Coordinator.
- Examination Coordinator

Technical Papers (Conference):

- 'Linux Kernel Bug Testing Using Static Code Analysis Technique' at 'Third International Conference on Advances in Cloud Computing, Pune, ISBN: 978-1-63102-501-3, Page 25-30, Oct 2014.
- 'USB Storage Device Control in Linux' at 'Fourth International Conference on Computational Science, Engineering and Information Technology' organized by AIT, Pune. ISBN-978-1-921987-10-6 pp. 25-29 DOI: 10.5121/csit.2014.4804.
- 'Usability of Debian Linux Distributions' at 'International Conference of Commerce, Management, Engineering and Social Sciences: Prospects and Challenges', Jaipur, May 2014.
- 'Linux USB Storage Device Management' at International Conference on Innovative Challenges and Strategies in Commerce, Trade and Social Sciences Innovations, Changes and Challenges in Management, Engineering and Technology, Goa, June 2014.
- 'Wireless Security Alarm System for Smoke Detection with Temperature Monitoring', 2nd International Conference on Recent Trends in Engineering Sciences 2014, ISBN- 978-93-5107-223-2.
- 'Automated Profile Changing and Mobile Monitoring System', 1st International Conference on Recent Trends in Engineering Sciences 2013, ISBN- 978-93-5107-174-7.
- 'Real Time Malware Defense System', 1st International Conference on Recent Trends in Engineering Sciences 2013, ISBN- 978-93-5107-174-7.
- 'Nano Technology', Presented in 'Chrysalis' at Pune Institute of Engineering and Technology, Pune in 2004.

Technical Papers (Journal):

- "RPC Based Online Test Module", International Journal of Science Technology and Engineering (IJSTE), ISSN: 2349-784X (online), Volume 1, Issue 11, Pages 459-463, May 2015.
- "Online Examination System using Command Line Interface", International Journal of Computer Science Engineering and Technology, ISSN: 2231-0711, Volume 5, Issue 6, Pages 142-145, June 2015.
- "Usability of Debian Linux Distributions" is published in "International Journal of Multidisciplinary Research (IJMR)" ISSN: 2277-9302, Vol.III, Issue 3 (II), June 2014.
- "Linux USB Storage Device Management" is published in "International Journal of Advances in Management, Technology and Engineering Sciences (IJAMTES)" ISSN: 2249-7455, Vol.III, Issue 9 (III), June 2014.
- "Portable Storage Device Management in Linux" is published in "Computer Science and Engineering an International Journal (CSEIJ)" ISSN: 2231-5403, Vol.4, No. 4, August 2014 DOI: 10.5121/cseij.2014.4401.
- "Agro-escalation Android-web architecture" is published in Elixir International Journal. November 2014, 76 (2014) 28582-28585 ISSN: 2229-712X.

Projects Carried:

Sr. No.	Project Name	Technology	Platform
1	Storage Device detection in distributed system	C	Linux
2	Machine Learning Techniques to improve Linux Process Scheduling (ME Project)	C	Linux
3	USB Storage Control in Linux	C	Linux
4	Command Line based on-line test module	C	Linux
5	IPTV (Final year BE Project)	VC++	Windows
6	Game of "Kaun Banega Crorepati".	VB	Windows
7	Game of "Kaun Banega Crorepati".	C	Windows
8	Air India reservation system (Diploma Project)	C	Windows

Training Programs and Expert Seminars conducted:

- Expert seminar on "Linux and Open Source", at Department of Computer and I.T. Matoshree Polytechnic, Eklahare, Dist. Nashik, July 2015.
- Guest Lecture on "Introduction to Linux", at Department of Computer Engineering, K. K. Wagh Polytechnic, Chandori, Dist. Nashik, July 2015.
- Expert seminar on "Hadoop and Linux: Open Source Software", at Department of I.T. K. K. Wagh Polytechnic, Nashik, July 2015.
- Resource person for One day workshop on "Operating System Laboratory" at G. H. Raisoni College of Engineering and Management, Ahmednagar, April 2015.
- Resource person for One day workshop on "Processor Interfacing Laboratory" at Sir Visvesvaraya Institute of Technology, Nashik, March 2015.
- Resource person for One day workshop on "Operating System Laboratory" at Dr. D. Y. Patil College of Engineering and Technology, Pune, March 2015.
- Resource person for One day workshop on "Operating System Laboratory" at Vishwabharati Academy's College of Engineering, Ahmednagar, March 2015.
- Resource person for One Faculty Development Program on "Linux Kernel Programming" at Army Institute of Technology, Pune, February 2015.
- Expert lecture through VLC at YCMOU, Nashik on "Computer Graphics" organized by MSBTE, Mumbai, February 2015.
- Resource person for One day workshop on "Linux Programming" at KVN S.P. Sanstha's Polytechnic, Nashik organized by Nashik Linux Users Group, February 2015.
- Resource person for One day workshop on "Operating System Laboratory" at PDVVP College of Engineering, Ahmednagar, February 2015.
- Resource person for One day workshop on "Linux" at NDMVP's CMCS College, Nashik organized by Nashik Linux Users Group, January 2015.
- Resource person for One day workshop on "Multithreading and IPC" at MET Bhujbal Knowledge City's IoE, Nashik, January 2015.
- Resource person for One day workshop on "Linux Administration Programming" at KK Wagh Women's Polytechnic, Nashik organized by Nashik Linux Users Group, January 2015.

- Resource person for One day workshop on "Linux Programming" at KK Wagh Polytechnic, Nashik organized by Nashik Linux Users Group, January 2015.
- Resource person for One day workshop on "Linux" at RYK College of Science, Nashik organized by Nashik Linux Users Group, December 2014.
- Expert lecture through VLC at YCMOU, Nashik on "Java Programming" organized by MSBTE, Mumbai, September 2014.
- One day workshop on "Linux" named Linuxicated at KKWIEER, Nashik organized by fizzle.com, June 2014.
- Expert seminar on "Linux and Applications" at K.K. Wagh Women's Polytechnic, Nashik, September 2014.
- One day workshop on "Processor Interfacing Laboratory" at Sir Visvesvaraya Institute of Technology, Sinnar, Dist. Nashik, March 2014.
- Resource person for MSBTE staff training program on conduction of Laboratory experiment in 'Advanced Java Programming' at Guru Gobind Singh Polytechnic, Nashik.
- Students workshop on 'See through C' at Pimpri Chinchwad College of Engineering, Nigdi, Pune.
- Resource person for MSBTE staff training program on 'Advanced Java Programming' at GGSP, Nashik.
- Resource person for MSBTE staff training program on 'Advanced Java Programming' at Shatabdi Institute of Technology, Nashik.
- Resource person for MSBTE staff training program on 'PC Troubleshooting and Maintenance' at Government Polytechnic, Nashik.
- One day workshop on "Embedded Linux" at NDMVP's KBGT CoE, Nashik for ExTC-Students.
- Expert seminar on C programming at K.K. Wagh Polytechnic, Nashik and Chandori.
- Expert seminar on 'Java Graphics Programming' at Government Polytechnic, Nashik.
- Expert seminar on 'Java Network Programming' at Guru Gobind Singh Polytechnic, Nashik.
- Expert seminar on 'Java Network Programming' at Sandip Polytechnic, Nashik.
- Expert seminar on 'Thinking in Data Structures' at Sandip Institute of Polytechnic, Nashik.
- Expert seminar on 'Journey of Computing' at K.K. Wagh Polytechnic, Chandori, Nashik.
- Conducted a short term program on 'C Programming' for interdisciplinary staff in 2006 and 2008.
- Coordinated a short term training program on 'Visual Basic.net' for Computer & I.T. staff in 2006.
- Organized MSBTE sponsored Content Updating Program 'Linux as Operating System' in 2007.
- Guided students of IETE discipline for subject 'Computer Architecture' in 2007 and 'Business Systems' in 2008.
- Conducted a short term program on 'C Programming' for technical assistant staff in 2008.

Workshop Conducted under Spoken Tutorials:

Sr. No.	Date	Technology
1	09/08/2014	Python
2	23/08/2014	Linux
3	16/09/2014	Java
4	10/01/2015	LibreOffice Impress
5	10/01/2015	LibreOffice Calc
6	03/07/2015	Digital India Week Session

On-line Tests Conducted under Spoken Tutorials:

Sr. No.	Date	Technology
1	03/09/2014	Python
2	11/09/2014	Linux
3	22/09/2014	Java

Training Programs and Workshops attended:

Sr. No.	Program Name	Days	Venue
1	Faculty development program on Machine Learning and Software Laboratory-III (03/02/15)	01	SCOE, Pune
2	Faculty development program on OSL (12/01/15)	01	PVG CoE, Pune
3	Workshop on Hadoop Big Data Set (09/10/2014- 13/10/2014)	05	SITRC, Nashik.
4	Workshop on "Revision of TE (IT-2012 course) Syllabus Structure. (07/03/2014)	01	SITS Narhe, Pune
5	Faculty development program on PAI and PIL (16/12/13)	01	MIT CoE, Pune
6	Faculty development program on CO (20/08/13)	01	RSCoE, Pune
7	Awareness for NBA accreditation (08/09/12-09/09/12)	02	SITRC, Nashik.
8	STTP Research Methodologies and Advances in Computer Science (30/04/14-05/05/14)	06	MIT Aurangabad
9	Faculty Development Program on Distributed System and Information Retrieval (24/12/12-25/12/12)	02	SCOE, Pune
10	Workshop on J2EE Implementation & Design Pattern (21/01/12-22/01/12)	02	PCCoE Pune

11	Workshop on Scilab for Beginners (05/04/11-07/04/11)	03	SITRC, Nashik
12	Workshop on Discussion on conduction on of PIL for SEIT-2008 Course (15/01/10)	01	MIT Pune
13	Project Management with Software (MSBTE Sponsored) 14/09/09-18/09/09	05	CWIT, Pune

Under-Graduate Projects Guided:

Sr. No.	Project Name	Technology	Platform
1	Cloud based teaching using FreeBSD	Java, C	Linux, FreeBSD
2	Multi-boot ISO using USB Stick	C	Linux
3	Software Defined Networking for Linux Containers	C	Linux
4	Load Balancing using Process Migration for Linux Based Distributed System	C	Linux
5	Product Verification and Analysis using Raspberry Pi	Raspberry Pi, Python	Raspbian Linux
6	Linux Kernel Bug Testing Using Static Code Analysis Technique	C	Linux
7	'Krishi-SAHAYAK'-A Multipurpose Android Based Real Time Agriculture Help Andro-Web Architecture Using Content Based Image Processing	Android, Java, PHP	Windows, Linux
8	Real Time Malware Detection System	Shell Script, C	Linux
9	Wireless Security Alarm System for Smoke Detection with Temperature Monitoring	Assembly, Embedded C	Windows
10	Automated Profile Changing and Mobile Monitoring System	Android, Java, PHP	Windows
11	Robot Teleoperation System Based on GPRS	Embedded C, J2ME	Windows
12	Software Load Balancing	Apache Tomcat	Linux
13	Coding for Cryptographic security Enhancement Using Stopping Sets	Java	Windows
14	Virtual OS: virtual Shell and Kernel	Java	Linux

Books Written:

- "Core Java Programming: A Practical Approach" published by Laxmi Publications, New Delhi, First Edition, Jun 2015, ISBN- 978-93-83828-29-6.
- "Bits and Bytes (Marathi)" published by Nitin Prakashan, Pune, First Edition, Feb 2012, ISBN- 81-8447-05-9 .

- "Programming in C – A Practical Approach" approved by Vishwakarma Publications, Pune and in queue for publishing.

Patents:

- Product Verification and Analysis using Raspberry Pi. (In-process)

Learning Resources Development:

- Development of 'e-Library' at Information Technology department K. K. Wagh Polytechnic, Nashik.
- Developed informative websites for Computer and I.T. subjects like- Computer Organization, Operating System, Processor Architecture and Interfacing, Advanced Operating System, Management Information System.
- Translated the Shankuntala Devi's English book, 'Puzzles to Puzzle you' in Marathi.
- Developed the website on www.sites.google.com for students to get references and study material for various subjects for Diploma in Engineering: Computer Group.
- Written ebooks on 'Programming in C' and 'Advanced Java Programming' for diploma students. These are available for free download which has marked 5000 downloads till. The book of 'Advanced Java Programming' is added to one of most precious on-line library, 'Silverbox Library'.
- Invited to write the Marathi book named 'Dnyansagaratil Shimpale' from Nitin Prakashan, Pune.

Professional Member Ships:

- Association of Computing Machinery (No. 1129496)
- International Association of Engineers (No. 151275)
- International Association of Computer Science and Information Technology (No. 80350242)
- Computer Society of India (No. 00174644)
- Linguistic Society of India (No. 09/09)
- Indian Society for Technical Education (No. LM74541)
- System Society of India (No. LM31228)
- Indian Physics Association (No. AM94)
- International Association of Academicians and Researchers (No. INAAR / 1686)

Editorial Board member:

- International Journal of Scientific and Engineering Research (IJSER)
<http://ijser.org>
- International Journal for Science & Advance Research in Technology (IJSART)
<http://ijsart.com>

Program committee member:

- Second International Conference on Education (EDU-2015), Dubai, UAE
- International Conference on Mechanical Engineering (MECHA-2015), Dubai, UAE

- Second International Conference on Circuits and Systems (CIRCY-2015), Dubai, UAE
- Second International Conference on Electrical Engineering (ELE-2015), Dubai, UAE
- International Conference on Software Engineering (SOFEA-2015), Dubai, UAE
- International Conference on Natural Language Processing (NATP 2015), Bangalore, INDIA
- Third International Conference on Information Technology in Education (ICITE 2015), Zurich, SWITZERLAND
- Fourth International Conference on Natural Language Processing (NLP-2015), Sydney, AUSTRALIA
- International Conference on Data Mining (DTMN 2015), Bangalore, INDIA
- International Conference on Signal and Image Processing (SIGPRO 2015), Bangalore, INDIA
- International Conference on Computer Science and Information Technology (CSIT-2014), Chennai, INDIA

Achievements:

- Obtained 17th rank in MSBTE Computer Engineering merit in May 2002.
- 'Sir Ratan Tata Trust, Mumbai's Scholarship 2002.
- 'Deccan Maratha Education Association, Pune's Scholarship 2003.
- 'Durga Devi Charitable Trust, Pune's Scholarship 2003-04.
- 'Town Hall Committee, Pune's Scholarship 2004-05.
- 'Pragat Maharashtra Fellowship Award' for year 2004.

Awards:

- Awarded by Computer and IT Association, Maharashtra for excellent work in Linux, March 2014.

Technical Blogs:

- Digital Locha <<http://digitallocha.blogspot.in>> a blog on concepts in digital electronics, programming, microprocessors and micro-controllers.
- Kyamputar <<http://kyamputar.blogspot.in>> a blog on programming concepts in computer and information technology.

Other Information:

- Organizer for Spoken Tutorial project by IIT Bombay at Sandip Institute of Technology and Research Centre, Nashik.
- Writing a fortnightly column of facts of Maharashtra in leading Marathi daily 'Divya Marathi', 'Daily Gavkari' and 'Saptahik Sakaal'.
- ISO certified auditor.
- Acted as Facilitator for Maharashtra State Certificate in Information Technology' examination of Nashik district.
- Pursued Bachelor's degree in Journalism from Pune.
- Worked as 'College Reporter' of COEP for daily 'Sakal'.

Date: 7/10/16

To:
The Principal,
SCOE, Kharghar


Subject :Letter Requesting for a Faculty Development Program Approval

Respected Madam,

We would like to ask for your permission to allow us to conduct Two Days Faculty Development Program on 20 and 21 October 2016 for IT and Computer department. We do believe that this endeavor may hone us more our staff with regards to our institute and its future development as a whole.

Thanking You

Approved



Yours Truly,

21 October 2016

From,
Saraswati College Of Engineering,
Computer Department

To,
Prof. Tushar Kute sir,

On behalf of Saraswati College Of Engineering (Computer and IT Dept.), I would like to extend our heartfelt thanks for your participation as a speaker with our program **Faculty Development Program on Python and Ruby programming** on 20st and 21st october 2016.

The feedback from this FDP was extremely positive. Thank you not only for participating by sharing your expertise with our participants, but in being willing to coordinate a program in a completely virtual classroom setting. We know that this took extra care and skill to adapt your presentation to this style of delivery. Your responses were enthusiastic about the content and the overall quality of the FDP, and we had great feedback on your presentation. We are especially grateful that it will definitely helpful for us and indirectly to our students also.

Once again, thank you for sharing your topic knowledge and helping to support our staff. Thank you for joining us in this "FDP", and best to you in your professional endeavors.
Sincerely,



FDP Coordinator


HOD



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SARASWATI College of Engineering

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Kharghar, Navi Mumbai - 410 210.

FEEDBACK

FDP ON Ruby & Python

Date: 21/10/2016

Name and Designation of Participant:

Aarti K. Gore.

- | | | | | | |
|---|---|---|---|---|---|
| 1. Have you found the course useful? | 1 | 2 | 3 | 4 | 5 |
| 2. Will you recommend this course to your colleagues? | 1 | 2 | 3 | 4 | 5 |
| 3. I will recommend this workshop to other conservators | 1 | 2 | 3 | 4 | 5 |
| 4. The program was well paced within the allotted time | 1 | 2 | 3 | 4 | 5 |
| 5. The instructor was a good communicator | 1 | 2 | 3 | 4 | 5 |
| 6. The material was presented in an organized manner | 1 | 2 | 3 | 4 | 5 |
| 7. The instructor was knowledgeable on the topic | 1 | 2 | 3 | 4 | 5 |

8. What did you most appreciate/enjoy/think was best about the course? Any suggestions for improvement?

Aarti
Signature



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FEEDBACK

FDP ON Ruby & Python

Date: 21/10/2016

Name and Designation of Participant: Dhanraj D. Walunj

- | | | | | | |
|---|---|---|---|---|---|
| 1. Have you found the course useful? | 1 | 2 | 3 | 4 | 5 |
| 2. Will you recommend this course to your colleagues? | 1 | 2 | 3 | 4 | 5 |
| 3. I will recommend this workshop to other conservators | 1 | 2 | 3 | 4 | 5 |
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| 7. The instructor was knowledgeable on the topic | 1 | 2 | 3 | 4 | 5 |

8. What did you most appreciate/enjoy/think was best about the course? Any suggestions for improvement?

Signature Dalunj



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FEEDBACK


FDP ON Ruby & Python

Date: 21/10/2016

Name and Designation of Participant: Sujata T. Bhairnallykar

- | | | | | | |
|---|---|---|---|---|---|
| 1. Have you found the course useful? | 1 | 2 | 3 | 4 | 5 |
| 2. Will you recommend this course to your colleagues? | 1 | 2 | 3 | 4 | 5 |
| 3. I will recommend this workshop to other conservators | 1 | 2 | 3 | 4 | 5 |
| 4. The program was well paced within the allotted time | 1 | 2 | 3 | 4 | 5 |
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| 6. The material was presented in an organized manner | 1 | 2 | 3 | 4 | 5 |
| 7. The instructor was knowledgeable on the topic | 1 | 2 | 3 | 4 | 5 |

8. What did you most appreciate/enjoy/think was best about the course? Any suggestions for improvement?


Signature



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FEEDBACK

FDP ON Ruby & Python

Date: 21/10/2016

Name and Designation of Participant: Madhuri Dalal

- | | | | | | |
|---|---|---|---|---|---|
| 1. Have you found the course useful? | 1 | 2 | 3 | 4 | 5 |
| 2. Will you recommend this course to your colleagues? | 1 | 2 | 3 | 4 | 5 |
| 3. I will recommend this workshop to other conservators | 1 | 2 | 3 | 4 | 5 |
| 4. The program was well paced within the allotted time | 1 | 2 | 3 | 4 | 5 |
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| 7. The instructor was knowledgeable on the topic | 1 | 2 | 3 | 4 | 5 |

8. What did you most appreciate/enjoy/think was best about the course? Any suggestions for improvement?

Madhuri Dalal
Signature



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FEEDBACK

FDP ON Ruby & Python

Date: 21/10/2016

Name and Designation of Participant: Deepa Parasar .

- | | | | | | |
|---|---|---|---|---|---|
| 1. Have you found the course useful? | 1 | 2 | 3 | 4 | 5 |
| 2. Will you recommend this course to your colleagues? | 1 | 2 | 3 | 4 | 5 |
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8. What did you most appreciate/enjoy/think was best about the course? Any suggestions for improvement?


Signature



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FEEDBACK

FDP ON Ruby & Python

Date: 21/10/2016

Name and Designation of Participant: Dr. Sanjay S. Jadhav.

- | | | | | | |
|---|---|---|---|---|---|
| 1. Have you found the course useful? | 1 | 2 | 3 | 4 | 5 |
| 2. Will you recommend this course to your colleagues? | 1 | 2 | 3 | 4 | 5 |
| 3. I will recommend this workshop to other conservators | 1 | 2 | 3 | 4 | 5 |
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| 5. The instructor was a good communicator | 1 | 2 | 3 | 4 | 5 |
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| 7. The instructor was knowledgeable on the topic | 1 | 2 | 3 | 4 | 5 |

8. What did you most appreciate/enjoy/think was best about the course? Any suggestions for improvement?

Signature

Sanjay S. Jadhav.



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FEEDBACK

FDP ON Ruby & Python

Date: 21/10/2016

Name and Designation of Participant: Amit Gawade

- | | | | | | |
|---|---|---|---|---|---|
| 1. Have you found the course useful? | 1 | 2 | 3 | 4 | 5 |
| 2. Will you recommend this course to your colleagues? | 1 | 2 | 3 | 4 | 5 |
| 3. I will recommend this workshop to other conservators | 1 | 2 | 3 | 4 | 5 |
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8. What did you most appreciate/enjoy/think was best about the course? Any suggestions for improvement?

Signature

Amit



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FEEDBACK


FDP ON Ruby & Python

Date: 21/10/2016

Name and Designation of Participant: Monali Deshmukh

- | | | | | | |
|---|---|---|---|---|---|
| 1. Have you found the course useful? | 1 | 2 | 3 | 4 | 5 |
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Signature



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FEEDBACK

FDP ON Ruby & Python

Date: 21/10/2016

Name and Designation of Participant: Amee Upadhyay

- | | | | | | |
|---|---|---|---|---|---|
| 1. Have you found the course useful? | 1 | 2 | 3 | 4 | 5 |
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| 7. The instructor was knowledgeable on the topic | 1 | 2 | 3 | 4 | 5 |

8. What did you most appreciate/enjoy/think was best about the course? Any suggestions for improvement?

Amee
Signature



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FEEDBACK

FDP ON Ruby & Python

Date: 21/10/2016

Name and Designation of Participant: Ramya R.B.

- | | | | | | |
|---|---|---|---|---|---|
| 1. Have you found the course useful? | 1 | 2 | 3 | 4 | 5 |
| 2. Will you recommend this course to your colleagues? | 1 | 2 | 3 | 4 | 5 |
| 3. I will recommend this workshop to other conservators | 1 | 2 | 3 | 4 | 5 |
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| 5. The instructor was a good communicator | 1 | 2 | 3 | 4 | 5 |
| 6. The material was presented in an organized manner | 1 | 2 | 3 | 4 | 5 |
| 7. The instructor was knowledgeable on the topic | 1 | 2 | 3 | 4 | 5 |
| 8. What did you most appreciate/enjoy/think was best about the course? Any suggestions for improvement? | | | | | |

RR
Signature



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FEEDBACK

FDP ON Ruby & Python

Date: 21/10/2016

Name and Designation of Participant: Hemlata Gosavi

- | | | | | | |
|---|---|---|---|---|---|
| 1. Have you found the course useful? | 1 | 2 | 3 | 4 | 5 |
| 2. Will you recommend this course to your colleagues? | 1 | 2 | 3 | 4 | 5 |
| 3. I will recommend this workshop to other conservators | 1 | 2 | 3 | 4 | 5 |
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| 6. The material was presented in an organized manner | 1 | 2 | 3 | 4 | 5 |
| 7. The instructor was knowledgeable on the topic | 1 | 2 | 3 | 4 | 5 |

8. What did you most appreciate/enjoy/think was best about the course? Any suggestions for improvement?

Signature 



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FEEDBACK

FDP ON Ruby & Python

Date: 21/10/2016

Name and Designation of Participant: Dr. Bharati Joshi

- | | | | | | |
|---|---|---|---|---|---|
| 1. Have you found the course useful? | 1 | 2 | 3 | 4 | 5 |
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| 6. The material was presented in an organized manner | 1 | 2 | 3 | 4 | 5 |
| 7. The instructor was knowledgeable on the topic | 1 | 2 | 3 | 4 | 5 |
| 8. What did you most appreciate/enjoy/think was best about the course? Any suggestions for improvement? | | | | | |

Bharati
Signature



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FEEDBACK

FDP ON Ruby & Python

Date: 21/10/2016

Name and Designation of Participant: Rina K. Bora.

- | | | | | | |
|---|---|---|---|---|---|
| 1. Have you found the course useful? | 1 | 2 | 3 | 4 | 5 |
| 2. Will you recommend this course to your colleagues? | 1 | 2 | 3 | 4 | 5 |
| 3. I will recommend this workshop to other conservators | 1 | 2 | 3 | 4 | 5 |
| 4. The program was well paced within the allotted time | 1 | 2 | 3 | 4 | 5 |
| 5. The instructor was a good communicator | 1 | 2 | 3 | 4 | 5 |
| 6. The material was presented in an organized manner | 1 | 2 | 3 | 4 | 5 |
| 7. The instructor was knowledgeable on the topic | 1 | 2 | 3 | 4 | 5 |

8. What did you most appreciate/enjoy/think was best about the course? Any suggestions for improvement?

Rina
Signature



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Department of Computer Engineering
Summary Report

Topic: Workshop on "RUBY"
Organized by: Computer Engineering Department

Date: 21/10/16 & 23/10/16
Venue: DBMS-Lab
(Computer Dept.)
Time: 10.30am

Speaker :Mr.Tushar Kute

Objective:

1. To learn ruby history in brief and its comparison with python .
2. To study flexibility, usability and adaptability of ruby than python..
3. To study programming in ruby.
4. To learn ruby commands and its execution very effectively.
5. To study pedigree of RUBY.
6. To demonstrate ruby used as scripting language..

Outcome:

1. Faculty will be able to learn history of Ruby and its features.
2. Faculty will be able to understand the properties of ruby.
3. Faculty will be able to implement ruby commands and its execution .
4. Faculty will be able to differentiate the categories of ruby.
5. Faculty will be able to demonstrate ruby as scripting language.

About FDP:

Saraswati College Of Engineering ,Kharghar has conducted workshop on RUBY under the broad development theme of "Faculty Development Program:. Guest Speaker of this workshop was MR. Tushar Kute , who delivered the seminar very effectively and impressively.

FDP ON RUBY & PYTHON





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Kharghar, Navi Mumbai - 410 210

ODD sem FDP on Ruby & Python

Sr No.	Name of the faculty	Sign
1	Dr. Bharati Joshi	<u>Bharati</u>
2	Dr. Sanjay Sidu Jadhav	<u>Sanjay</u>
3	Deepa Parasar	<u>Deepa</u>
4	Madhuri A. Dalal	<u>Madhuri</u>
5	Sujata T. Bhairnallykar	<u>Sujata</u>
6	Monali V. Deshmukh	<u>Monali</u>
7	Arti K. Gore	<u>Arti</u>
8	Rina K. Bora	<u>Rina</u>
9	Dhanraj D. Walunj	<u>Dhanraj</u>
10	Amit A. Gawade	<u>Amit</u>
11	Hemalata A. Gosavi	<u>Hemalata</u>
12	Ramya R. B.	<u>RBR</u>
13	Amees Upadhyay	<u>Amees</u>



SARASWATI Education Society's
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Department of Computer Engineering
Summary Report

Topic: Workshop on "PYTHON"
Organized by :Computer Engineering

Date: 19/10/16 & 20/10/16
Venue: DBMS-Lab
(Computer Dept.)
Time: 10.30am

Speaker :Mr.Tushar Kute

Objective:

1. To learn python history in brief .
2. To study flexibility , usability of python than java
3. To study python use in system programming language.
4. To learn python commands and its execution very effectively.
5. To demonstrate python programming used for building games.

Outcome:

1. Faculty will be able to learn python and its features.
2. Faculty will be able to understand python as system programming language.
3. Faculty will be able to implement python commands and its execution.
4. Faculty will be able to demonstrate python in gaming field.

About FDP:

Saraswati College Of Engineering ,Kharghar has conducted workshop on PYTHON under the broad development theme of "Faculty Development Program". Guest Speaker of this workshop was MR. Tushar Kute , who delivered the seminar very effectively and impressively.

FDP ON RUBY & PYTHON





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ODD sem FDP on Ruby & Python

Sr No.	Name of the faculty	Sign
1	Dr. Bharati Joshi	
2	Dr. Sanjay Sidu Jadhav	
3	Deepa Parasar	
4	Madhuri A. Dalal	
5	Sujata T. Bhairnallykar	
6	Monali V. Deshmukh	
7	Arti K. Gore	
8	Rina K. Bora	
9	Dhanraj D. Walunj	
10	Amit A. Gawade	
11	Hemalata A. Gosavi	
12	Ramya R. B.	
13	Amees Upadhyay	



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“Faculty Development Program on Ruby & Python”

This is to certify that Mr / Ms Arti K. Gope from
Saraswati College of Engineering, Kharghar, Navi Mumbai, has successfully completed Faculty
Development Program organized from 20th October 2016 to 21st October 2016 at Saraswati College
of Engineering, Navi Mumbai.


HOD Comp


Principal

Saraswati Education Society's

**Saraswati College of Engineering,
Kharghar, Navi Mumbai - 410210**

Department of Electronics and Telecommunication Engineering

Reference : SCOE/Admin/2016/

Date : 17/10/2016

To

Dr. Manjusha Deshmukh,
Principal, SCOE

Subject : Permission for a research talk on "Research Requirements of a Smart City".

Respected Madam,

We have planned to organise a research talk on "Research Requirements of a Smart City" by Dr. Munir Sayyad, General Manager, Reliance Jio Infocomm Ltd. on 24/10/2016 during 2.00 pm - 4.00 pm in our college.

We believe that this talk would be of great benefit to our faculty members and students. We therefore request you to permit us to organise this talk.

Thanks and Regards,


Prof. Sheetal Bukkavar

HoD, ExTC

Permit Huel


Saraswati Education Society's

Saraswati College of Engineering, Kharghar, Navi Mumbai – 410210

Department of Electronics and Telecommunication Engineering

Reference : SCOE/Admin/2016/

Date : 24/10/2016

Invitation

To

Dr. Munir Sayyad, General Manager,
Reliance Jio Infocomm Ltd., Reliance Corporate Park,
TTC Industrial Area, Thane Belapur Road,
Ghansoli, Navi Mumbai – 400701


Subject : Invitation for Research Talk as Resource Person

Respected Sir,

We have planned to organise a research talk on "Research Requirements of a Smart City" on 24/10/2016 during 2.00 pm – 4.00 pm in Saraswati College of Engineering, Kharghar, Navi Mumbai.

We believe that your contribution in the above-mentioned topic is unparalleled and a talk by you on this topic would be of great benefit to our faculty members and students. We therefore feel honoured and privileged to invite you to deliver a guest lecture on the above-mentioned topic.

Thanks and Regards,


Prof. Sheetal Bukkavar

HoD, ExTC



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SARASWATI College of Engineering

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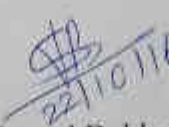
Kharghar, Navi Mumbai - 410 210.

Department of Electronics & Telecommunication Engineering
Academic Year 2016-17

Date: 22/10/2016

NOTICE

All the faculties of ET&C department are hereby informed that a Guest Lecture on "Research requirement of a smart city" by Dr. Munir Sayaad on 24th octomber 2016 in Seminar Hall, second floor.


22/10/16
Prof. Sheetal Bukkawar
HOD (ET&C)



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SARASWATI College of Engineering

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Kharghar, Navi Mumbai - 410 210.

Date : 24/10/2016

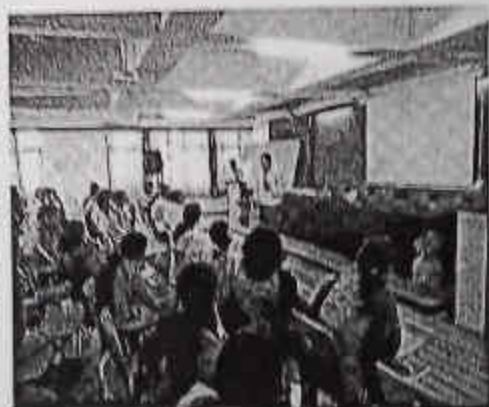
Department of Electronics and Telecommunication Engineering

Guest Lecture on Research Requirements of a Smart City


(2016-17)

Minutes of Meeting

1. Saraswati College of Engineering arranges guest lectures on special and current topics for the benefits of faculty and students to make them aware of today's technical challenges. In this series, E&TC Department has conducted a guest lecture by an expert, Dr. Munir Sayyad, General Manager, Reliance Jio Infocomm Ltd on 24/10/2016.
2. Dr. Munir Sayyad was welcomed by Dr. S. M. Sabnis and introduced by Dr. B. P. Dubey to the audience. Following points were covered in this lecture.
3. Dr. Munir Sayyad started his talk by the examples of the achievements of Sakshi and Sindhu at Olympic Games. He stressed that it is the skill which matters most in any endeavour. Success stories of WhatsApp and twitter were also highlighted in his talk.
4. Importance of standard were explained to the audience. Standards are essential for interoperability and maintainability. Once the specifications are spelled out, various teams can work independently on different parts of a project.
5. Dr. Sayyad introduced the idea of underground smart cities. He emphasised that underground cities would save earth's surface for cultivation. An underground city with all modern electronics and communication facilities would be safer, less polluted, more organised, comfortable and nature friendly.
6. He advocated the idea of collaborative forming for optimal utilisation of resources.
7. Finally he emphasised that the college professors must work as role models for their students.
8. The attendance sheet of the participants is attached herewith.




Prof. Sheetal Bukkavar
HOD, E&TC


Dr. Manjusha Deshmukh
Principal

Saraswati college of engineering

24/10/2015

Sr. No	Name of the staff	Signature
1	Dr. Manjuba P. Deshmukh	—
2	Wing Commander L. Devarajan	—
3	Mrs. Rashmi John	—
4	Dr. Sunil M. Rangan	—
5	Mr. Upendra W. More	—
6	Mr. Dinesh M. Joshi	—
7	Mrs. Shilpa P. Kewate	—
8	Mrs. Pechol Guty	—
9	Mrs. Shanthi P. Selvam	—
10	Dr. Suman Rawat	—
12	Ms. Varsha V. Pahl	—
14	Ms. Molly Mathew	—
15	Ms. Supriya D. Khedkar	—
16	Ms. Sheeta Motharkar	—
17	Mr. Sanjay S. Singh	—
21	Mr. Avinash D. Chavan	—
22	Ms. Vaishali Kishan	—
23	Mrs. Minmayee Gango	—
24	Mr. Vishal Mosa	—
25	Mrs. Sujaya Wadekar	—
27	Ms. Aamita B. Lakhote	—
28	Dr. Priyanka A. Jadhav	—
29	Mrs. Mugdha Agarwadkar	—
30	Mr. Vaibhav V. Jadhav	—
32	Mrs. Garima Nagpal	—
33	Ms. Vasundhara N. Gaikwad	—
34	Mr. Ratnadeep Mane	—
35	Mrs. Roshni Kamath	—
36	Ms. Ritu Anil	—
37	Ms. Steffi Stephen	—
38	Mr. Aniket Bhagat	—
39	Ms. Shital S. Dholaniya	—
40	Ms. Monica R. Bagal	—
41	Mrs. Pooja Somani	—
43	Ms. Yugandhara S. Sontakke	—
44	Mr. Harshal G. Deshpande	—
46	Dr. Bharti A. Joshi	—
47	Dr. Sanjay S. Jadhav	—
48	Ms. Deepa Parasar	—
50	Mrs. Madhuri A. Dalal	—
51	Ms. Bhagyashri Sonawale	—
52	Mrs. Sujata T. Bharnalkykar	—
53	Ms. Purata K. Bhoir	—
54	Ms. Monali V. Deshmukh	—
56	Ms. Sushasni G. Parvatkar	—

Mr. Siddhartha Ray (Civil)

—

57	Mrs. Arti K. Gore	---
58	Ms. Parineeta Suman	---
59	Mrs. Rina K. Bora	Reac
60	Mr. Dhanraj D. Walunj	---
63	Mr. Amit A. Gawade	---
64	Mrs. Hemalata A. Gosavi	Shinde
65	Ms. Vijayshree M. Shinde	Shinde
66	Mrs. Suman S. Bhujbal	Shinde
67	Mrs. N. Padmashri	---
68	Mrs. Ramya R. B.	---
69	Mrs. Rashmi P. Patel	---
70	Ms. Arnee Upadhyay	---
71	Ms. Vaishali P. Jadhav	---
73	Mrs. Anurodha A. Dandwate	---
74	Ms. Pragati A. Pejekar	---
75	Mrs. Vrishali P. Thakur	---
77	Ms. Shradha Subhedar	---
78	Mrs. Shital K. Ajagekar	---
80	Mr. Praveen S. Shinde	Shinde
81	Ms. Kiru M. Mhamunkar	---
82	Mrs. Eirry Telang	---
86	Mr. Yogesh H. Jadhav	---
87	Mrs. Poornam R. Hankare	---
88	Mrs. Maahi A. Khemchandani	---
89	Mrs. Diksha Gautam kumar	---
92	Mrs. Ragni K. Sharma	Reac
93	Mrs. Sheetal V. Bikkawar	Reac
94	Dr. Bhawani P. Dubey	Reac
95	Mrs. Sheetal R. Bhujade	Reac
96	Ms. Mandarp Kaur Kundhal	Reac
97	Mrs. Sonal S. Gahankari	---
98	Mr. Umesh S. Pinjarkar	---
99	Ms. Pallavi C. Kharat	Reac
100	Mrs. Jyotana Patil	---
102	Mrs. Rajashree B. Narwade	Reac
103	Mr. Vijay R. Kapure	---
104	Mrs. Sarita S. Kale	Reac
105	Ms. Shuomi A. Patil	---
109	Mrs. Megha N. Pande	Reac
111	Ms. Liji S. Madhavan	---
112	Ms. Snehal Barge	Reac
113	Ms. Sneha R. Burmase	Reac
114	Mr. Nandish K. Joshi	Reac
115	Mr. Pawan A. Upadhye	---
116	Ms. Yashika Singhal	Reac
117	Ms. Suchitra Majumdar	Reac
118	Mrs. Neha Mahajan	Reac

119	Mr. Prabal Deep Das	Be
120	Mrs. Kirti P. Mointr	Be
121	Mr. Faisal A. Khun	—
122	Mrs. C. Chitra	—
123	Mrs. Megha S. Khadke	—
124	Mr. Prashant Majumdar	—
125	Dr. Fausta Siddiqui	—
126	Mr. Shivagunda K. Teli	—
127	Mr. Madhukar B. Sorte	—
128	Mr. Madan M. Jagtap	—
129	Mr. Nilesh Y. Chanevar	—
130	Mr. Abhijeet B. Ranveer	33
131	Mr. Sandeep B. Jadhav	—
132	Mr. Ganesh P. Jadhav	—
134	Mr. Paranjit M. Thakur	—
135	Ms. Mitali S. Mhatre	—
136	Mr. Vinayak P. Suryawanabi	WAB
137	Mr. Prasanna P. Raut	—
138	Mr. Sachin G. Solunke	—
139	Mr. Dinesh M. Purgunde	Shubhanshu
140	Mr. Parikaj K. Jadhav	PLI
141	Mr. Yogesh S. Dhumal	—
142	Mr. Ashish G. Bandewar	—
144	Mr. Anil Y. Kodam	—
145	Mr. Juned R. Kazi	—
146	Mr. Vishal Y. Bhasc	—
147	Ms. Shubhangini K. Amrute	—
150	Mr. Arun S. Kulkarni	Attulkar
151	Mr. Sagar U. Chirade	—
152	Ms. Veeda P. Palwankar	Palwankar
153	Ms. Geeta J. Karmarkar	—
154	Mr. Suhas M. Jadhav	—
155	Mr. Anil S. Bhagat	—
156	Mr. Amit S. Choughe	Choughe
159	Mrs. Mugdha D. Dongre	Mugdha
161	Mr. Rakosh A. Shinde	—
162	Mr. Taouliuddin Quazi	—
164	Mr. Sagar S. Khatevkar	—
165	Mr. Mandar D. Jagtap	—
166	Mr. Chetan D. Thakur	—
167	Mr. Amit V. Patil	—
169	Mr. Bhanu K. Kumbhar	—
172	Mr. Mohammad Azar Bargir	—
173	Mr. Prashant D. Ingle	—
174	Mr. Siddhesh N. Lad	—
175	Mr. Jansh Suthar	—
176	Mr. Aditya A. Jadhav	—
177	Mr. Chodankar Vishnuadas Alias	—

178	Ms. Namrate Bhokare	—
179	Ms. Bhavani R. Patel	—
180	Dr. Seema V. Lathkar	—
181	Ms. Reshma R. Chavan	—
182	Mr. Prashant R. Gawade	—
183	Ms. Farha Vanu	—
184	Mrs. Sindhu V. Tayade	—
185	Ms. Sunita Pal	—
188	Dr. Sahus M. Sabnis	—
189	Mr. Prakash A. Bhadane	—
196	Mrs. Alka Purohit	—
197	Mrs. Deepika C. Patil	—
198	Ms. Shweta Meshram	—
199	Ms. Harshada M. Pratham	—
200	Mrs. Sarika A. Bhushan	—
201	Dr. Roly Sinha	—
202	Mr. Shivkumar L. Balagaon	—
203	Mrs. Suman Devi Sharma	—
205	Mrs. Sayali D. Choudhari	—
206	Mrs. Swapna S. Mamidwar	—
207	Mrs. Rekha R. Jawale	—
208	Mr. Ramkishan B. Bhise	—

209 Pranod Ghog
 210 Harshada Pratham
 211 Ekta Sawjal

R.M. more

Sachin Solunke (mech)

Chetan
 Arun
 Eshwar
 Ravi
 Q

Saraswati Education Society's

Saraswati College of Engineering,
Kharghar, Navi Mumbai – 410210

Department of Electronics and Telecommunication Engineering

Date : 24/10/2016

Subject : Thanking Letter.

Respected Sir,

I would like to express my sincere thanks for delivering a very very informative research talk on "Research Requirements of a Smart City" on today during 2:00 pm – 4:00 pm in Saraswati College of Engineering, Kharghar, Navi Mumbai.

It was an honour and privilege to have you with us. I believe that the knowledge you have shared with our faculty members and students would benefit them immensely. I thank you once again for sharing your knowledge with us.

We look forward to your cooperation in future as well.

Thanks and Regards,


Prof. Sheetal Bukkavar

HoD, ExTC

SARASWATI Education Society's
SARASWATI College of Engineering

Learn Live Achieve and Contribute

Kharghar, Navi Mumbai - 410 210

Date: 13/12/2016


Ref No: SCOE/OUT.DOC/2016/75

(75)

Notice

All teaching faculty and section heads are hereby informed to attend an interactive workshop for NAAC orientation arranged on 2nd January and 3rd January 2017. Attendance for this workshop is mandatory; no leave will be entertained on those days. The objective of this session is to have in depth idea of NAAC procedures, criteria, values, and expectation by NAAC peer team at the time of visit. The schedule will include following activities. All faculty members are requested to come with preparation to face question answer session.

Sr No.	Session	Activity	Resource person	Particulars
01	Day one Morning	Overall Guidance session	Dr. Manjusha Deshmukh	Holistic idea about NAAC and motivation
02	Day one Morning	Interactive presentation and discussions	Dr. Seema V Lathkar	NAAC procedures, criteria, value system Expectation by NAAC peer team at the time of visit
03	Day one Afternoon	Group discussions and interactions	Activity for random groups	Topic or criteria will be announced on the eleventh hour
04	Day one Afternoon	Individual group presentations	Activity for random groups	Topic or criteria will be announced on the eleventh hour
05	Day two Morning	Individual group presentations	Activity for random groups	Topic or criteria will be announced on the eleventh hour
06	Day two Morning	Group discussions and interactions	Activity for random groups	Topic or criteria will be announced on the eleventh hour
07	Day two Afternoon	Group discussions and interactions	Activity for random groups	Topic or criteria will be announced on the eleventh hour
08	Day two evening	Conclusion, and resolutions	By all	For all


Dr. Manjusha Deshmukh

NAAC PEER TEAM

PRINCIPAL



SARASWATI Education Society's
SARASWATI College of Engineering

Learn Live Achieve and Contribute

Kharghar, Navi Mumbai - 410 210.

Date: 22/2/2016

To,
The principal,
Saraswati College of Engineering,
Kharghar, Navi Mumbai
Subject: Permission for conducting an interactive workshop for NAAC orientation

On the behalf of Saraswati College of Engineering, Department of First Year Engineering wishes to conduct an interactive workshop for NAAC orientation on 2nd and 3rd January 2016 for all faculty members. The purpose of this workshop is to understand the NAAC procedure, criteria, values and expectation by NAAC peer team at the time of visit.

Kindly give permission for the same.


HOD (FE)

Dr. S.V. Lathkar


Dr. Manjusha Deshmukh

Principal, SCOE

Date: -

Agenda: - NAAC Workshop

Time: -

* NAAC Audit date is 1st week of Feb 2017 & 2nd week of March.

* NAAC is given by UGC.

* Academic

• Administration

• Admission Process

• HR / Establishment

• Training & Placement

• Library

} These are the main processes of NAAC.

* Core Value of NAAC.

• Contributing to National development.

• Fostering global competence among students.

• Inculcating a value system among students.

• Promoting the use of Technology.

• Quest for Excellence.

•

our efforts toward this aspect.

* 3 Best Practices: maintenance in criteria No 7.

* All innovative concept application:

* Quality in faculty:

* Quality in infrastructures:

* Uniformity in quality concepts from top to bottom.

* Assessment methodology:

- Four stage approach:

• Identifying pre-determined criteria for assessment.

• Preparation & submission.

* The Criteria of Assessment

Criteria	marks
Curricular Aspects.	100
Teaching-learning & Evaluation	350
Research Consultancy & Extension	150
Infra structure & Learning ^{resources} evaluation	100
Student Support & Progression	100
Governance Leadership & Management	100
Innovations & Best Practices.	100

* Basic Guidelines on preparation.

- Vision & Mission statements.
- Creation of website for all the college dept.
- Alumni association.
- Data banks, Event register.
- Data Banks for consist all academic activities of teachers.
- Event register to maintain all the activities of the dept.
- creation of academic audit units in all colleges.
- organizing seminars for student by college.
- Arrangement of PTM.
- Undertaking programme.

* Benefits of NAAC:

* About teaching & learning process.

* Best Practices.

* Evaluation.

* Student progression. [Academic results (placement higher studies, self employments)]

* Student Activities

* Policies in the college.

* No. of committees with name in the colleges

* No. of Faculty, Student, Non-Teaching in the college.

1) Mitali Mhatre -	Alkal	- mech
2) Mugdha Dongre -	Alkal	- mech
3) Geeta J. Kulkarni -	Alkal	- mech
4) Monica Bagal	-	Civil
5) Harshada Patil	officer	FE
6) Steffe Stiphus	Alkal	Civil
7) Rohini Kamath	Alkal	Civil
8) Vaishali Kishan	Alkal	Civil
9) Shifer Dholariya	Alkal	Civil
10) Vasundhara M. Gokwad	Alkal	Civil
11) Asmita Lakote	Alkal	Civil
12) Mugdha Azarwadkar	Alkal	Civil
13) Dr. Priyanka Jadhav	Alkal	Civil
14) Molly Matha	Alkal	Civil
15) Yashra Patil	Alkal	Civil
16) Supriya Khedko	Alkal	Civil
16) Yugandhara Soutakke	Alkal	Civil
17) Suhaz Jadhav	Alkal	mech
18) Vishal Bhise	Alkal	mech
19) Apoorva Patil	Alkal	student section
20) A G Bandewar	Alkal	mech
21) Dhruv Patel	Alkal	mech
22) S. G. Ganale	Alkal	mech
23) Nilesh Chavhan	Alkal	mech
24) Jyoti Suthar	Alkal	Auto.
25) Siddhesh M. Lad.	Alkal	Auto
26) Rakesh Shinde	Alkal	mech
27) Shivkumar Balgaoan	Alkal	FE
28) M. N. Baysi	Alkal	Auto
29) Mandar Dnyaneshwar Jagtap	Alkal	Auto
30) Ganesh P. Jadhav	Alkal	mech
31) Madan M. Jagtap	Alkal	mech
32) R. M. Mand	Alkal	Civil
33) Aniket Bhagat	Alkal	Civil

Sl. No.	Name	Signature	Branch
4)	Ameey Kulkarni	<i>[Signature]</i>	Mech
5)	Sagar Chitambar	<i>[Signature]</i>	Mech.
6)	Amit Patil	<i>[Signature]</i>	Auto
7)	Paramjit Thakur	<i>[Signature]</i>	Mech
8)	Pranav Raut	<i>[Signature]</i>	Mech.
9)	Vinayak Suryawanshi	<i>[Signature]</i>	Mech
10)	Sagar Chitambar	<i>[Signature]</i>	Auto
11)	Harshal Deshpande	<i>[Signature]</i>	Civil
12)	Narshikha Joshi	<i>[Signature]</i>	ETC
13)	Dr. Ravi Sankar	<i>[Signature]</i>	FE
14)	Shantini P. Salwan	<i>[Signature]</i>	Civil
15)	Shweta Motthakar	<i>[Signature]</i>	Civil
16)	Ramya R.B	<i>[Signature]</i>	COMP
17)	Mani A.K	<i>[Signature]</i>	
18)	Divyanshu Dushar	<i>[Signature]</i>	Mech
19)	Vinayak Suryawanshi	<i>[Signature]</i>	Civil
20)	Vaibhav Jadhav	<i>[Signature]</i>	ETC
21)	Mani A.K	<i>[Signature]</i>	Comp
22)	Rina Bora	<i>[Signature]</i>	Civil
23)	Sujaya Wadde	<i>[Signature]</i>	ETC
24)	Meenakshi Ganag	<i>[Signature]</i>	Comp
25)	Shekhar B.	<i>[Signature]</i>	Civil
26)	Ragini S	<i>[Signature]</i>	IT
27)	Gasvri Hemalata	<i>[Signature]</i>	IT
28)	Amul G. Gawade	<i>[Signature]</i>	Comp.
29)	Sayali Chandhari	<i>[Signature]</i>	Comp
30)	Roopna. Manikwar	<i>[Signature]</i>	FE
31)	Ulka Purohit	<i>[Signature]</i>	FE
32)	Ashvat Bhyade	<i>[Signature]</i>	FE
33)	Pooja Somani	<i>[Signature]</i>	ETC
34)	Anusadha Dandwate	<i>[Signature]</i>	Civil
35)	Shilpa. Kewark	<i>[Signature]</i>	IT
36)	Dhanraj Walunj	<i>[Signature]</i>	OVIC
37)	musheer Ponale	<i>[Signature]</i>	Comp
38)	Ani K. Gore	<i>[Signature]</i>	ETC
		<i>[Signature]</i>	Comp



SARASWATI Education Society's
SARASWATI College of Engineering

Learn Live Achieve and Contribute

Kharghar, Navi Mumbai - 410 210.

Date: 13/01/2017

A REPORT ON NAAC WORKSHOP

An interactive workshop for NAAC orientation was arranged on 2nd and 3rd January 2017 for all the teaching faculties by Saraswati College of Engineering, Kharghar.

About 127 faculties from all the departments attended this workshop.

The workshop began with an inspiring and motivational talk by the Dr. Manjusha Deshmukh, Principal, SCOE, on the holistic idea about NAAC. Further Dr. Seema Lathkar gave the presentation on overall guidance about NAAC which included

- The basic guidelines on NAAC preparation,
- Procedures
- Core values of NAAC
- Benefits of NAAC
- Best Practices
- Assessment methodology
- Criteria of assessment,
- Value System and
- Expectations by NAAC peer team.

In afternoon session, the activity for random groups of faculties was conducted which included group discussions and interactions on different criteria's. The topic

(criteria) was announced on the eleventh hour.

On the second day of workshop, again the activity for same groups was conducted which included group discussion and presentation on different criteria. The topic (criteria) was announced on the eleventh hour. One faculty from each group gave a presentation on the selected topic followed by the question answer series. This workshop benefited all the faculties to understand the depth idea of NAAC procedures, criteria, values and Expectations by NAAC peer team. Overall it was a successful event.


13/01/17
Dr. S. V. Lathkar

HOD (FE)

Grp. 8

(Pr. = 10)

- 1) M B Soti S
- 2) Sindhu Tayade Su
- 3) Annee Upadhyaay A
- 4) S. V. Potdukhe S
- 5) C. Chite C
- 6) Meenmayee M
- 7) Sagar Khatavkar K
- 8) Ganesh P. Joshi J
- 9) Rakesh Shinde S
- 10) Dr. Prakash Bhadane P

Grp. I (Crit. - I) (P. = 109)

- 1) S. Rangari — ES
- 2) Yugandhara S. — Yugandhara
- 3) Vaishali Kishan — mid-ant.
- 4) Siddhant Ray — Ab
- 5) Monali D. — MD
- 6) Kirti M. — KM
- 7) Sarita Kale — Sale
- 8) Snehal B. — SB
- 9) Paramjeet Thakur — Ab
- 10) Sagar Chirde — Sagar
- 11) Siddhesh Raut — Ab
- 12) Rolly Sirha — R
- 13) Prashant Gawade — Ab
- 14) Amit Patil — Am

Grp. II (Crit. - VI)

(Present = 07)

- 3) P.
- 4) ✓ Dinesh Joshi - Ab.
- 2) Suman Rarrat - Ab.
- 3) Avinash Chavan - Ab.
- 4) Garima Nagpal - Ab.
- 5) Sujata B. - Ab.
- 6) Pragati Pejekar - Ab.
- 7) Diksha Gautam Ab.
- 8) Umesh Pinjarkar - Ab.
- 9) Bhoemi Patil - Ab.
- 10) Vinayak Suryavanshi Ab.
- 11) Anel Kadam - Ab.
- 12) Geeta Karmarkar Ab.
- 13) Janak Sutar Ab.
- 14) Belipika Patil - Ab.

anyo.

Pri-Group-III

Presentation. 3/1/17
(Present = 10)

- 1) Rachel Gitty - (Ab.)
- 2) Vishal Misal - (Ab.)
- 3) Monika Bagat - ~~Ab.~~
- 4) Supriya Khedkar - (Ab.)
- 5) Madhuri Dalal - ~~NRU~~
- 6) Suman Bhujbal - ~~Suman~~
- 7) Ertty Telang ~~Ab.~~
- 8) Rajshree Narwade - ~~NRaj~~
- 9) Suchitra Mujumdar - ~~SM~~
- 10) Vishal Bhise - (Ab.)
- 11) Amel Bhagat - (Ab.)
- 12) Shivkumar B. - ~~Balagam~~
- 13) Rekha Jawale - ~~Ba~~
- 14) Sandeep Jadhav - ~~Ja~~
- 15) Amit Cherghe - ~~Ac~~
- 16) Jayashree Hande - ~~Jayshree~~

→

- 1) Shanti Selvam - Ab.
- 2) Shweta Motarkar - Shweta
- 3) Ratnadeep Mane Ratnadeep
- 4) Aniket Bhagat Aniket
- 5) Dr. Sanjay Tadkar Sanjay
- 6) Ramya R. Ramya
- 7) Mahi Khemchandani Mahi
- 8) Pallavi Kharat - Ab.
- 9) Sneha Burnase Sneha
- 10) Prasanna Raut Prasanna
- 11) Dinesh Pargunde Dinesh
- 12) Aney Kulkarni Aney
- 13) Harshada Pratham Harshada
- 14) Dr. Ram Bhise Ram
- 15) R.

03/04/2017

- 1) Molly Mathew Ab.
- 2) Sanjay Singh - Ab.
- 3) Priyanka Jadhav - Ab.
- 4) Vaibhav Jadhav
- 5) Reena Bera
- 6) Rashmi Patel - Ab. King
- 7) Pravin Shinde - Ab.
- 8) Mandeep K. - Ab.
- 9) Lijee - Ab.
- 10) ~~Sandip~~ Nilesh Chanevar - Ab.
- 11) Mugdha Dongre - Mugdha
- 12) M. Bangir - Ab.
- 13) Vaibhav Jadhav Ab.

Grp. VI (Crit-V) (Pr. = 110)

- 1) Sujata Wadekar Jr
- 2) Mugdha Agarwadkar Mugdha
- 3) Vasundhara Vasundhara
- 4) Steffi S. Steffi
- 5) Amit Gawade - Ab. Mantri
- 6) Hemlata Gosavi Hemlata
- 7) Shradha Subhedar Shradha
- 8) Ragini Sharma Ragini
- 9) Yashika Singhal Yashika
- 10) Kirti Mantri Kirti
- 11) Veda Palwankar - Ab.
- 12) Sachin Salanki Ab.
- 13) Aditya Jadhav - Ab.
- 14) Alka Purohit Alka
- 15) Namrata Bhakre - Ab.

- 1) Asmita Lakhate - Asmita
- 2) Roshani Kamath Roshani
- 3) Shital Solaria Shital
- 4) Harshal Deshpande Harshal
- 5) Vijayashri Shinde Vijayashri
- 6) Neha Mahajan - Ab.
- 7) Prabal Das - Ab.
- 8) Abhijit Ranveer - Ab.
- 9) Mitali Mhatre - Mitali
- 10) Yogesh Dhumal - Yogesh
- 11) Aashish Bandekar Aashish
- 12) Chetan Thakur Chetan
- 13) Mandar Jagtap - Mandar
- 14) Rishma Chavan Rishma
- 15) Supriya Khedkar Supriya
- 16) Vaishaa Patil Vaishaa

Grp. 8

(Pr. = 10)

- 1) M B Soti S
- 2) Sindhu Tayade Su
- 3) Amee Upadhyay A
- 4) S. V. Potdukhe Su
- 5) C. Chitra C
- 6) Mainmayee M
- 7) Sagar Kataria K
- 8) Ganesh P. Joshi J
- 9) Rakesh Shinde S
- 10) Dr. Prakash Bhadani P



SARASWATI Education Society's
SARASWATI College of Engineering

Learn Live Achieve and Contribute

Kharghar, Navi Mumbai - 410 210.

Department of Electronics and Telecommunication Engineering

Date: 21/12/2016

To

The Principal,
SCOE, Kharghar,
Navi Mumbai


Subject: Permission for arranging workshop on Fiber to the home from 3/01/2017 to 5/01/2017

Respected Madam,

Our Department is interested in organizing 3-day workshop on Fiber to the home from 3/01/2017 to 5/01/2017. This workshop is focused on knowledge upgradation of faculties as well as students.

Kindly give the permission for the same.

Thanking you.


21/12/16
Prof. Bhoomi Patil
Coordinator


21/12/16
Prof. Sheetal Bukkavar
HOD (E&TC)



Department of Electronics and Telecommunication Engineering

Date: 21/12/2016

Notice

All the students and faculties of E&TC department are hereby informed that there is a workshop on Fiber to the home (FTTH) held from 03/01/2017 to 05/01/2017. Interested Students and faculties have to meet Prof. Bhoomi Patil for further details.


21/12/16

Prof. Bhoomi Patil
Co-ordinator


21/12/16

Prof. Sheetal Bukkavar
HOD (E&TC)



Date: 6/01/2017

Workshop on FTTH

Venue: Saraswati College of Engineering

No. of Students: 26

Duration: 3/01/17 to 5/01/17

Organized by: Reliance Jio

Fiber-to-the-home (FTTH) the delivery of a communications signal over optical fiber from the operator's switching equipment all the way to a home or business, thereby replacing existing copper infrastructure such as telephone wires and coaxial cable. Fiber-to-the-home is a relatively new and fast-growing growing method of providing vastly higher bandwidth to consumers, and thereby enabling more robust video, internet and voice services.

To allow faster connections, the optical fiber gets closer and closer to the subscriber. 'Fiber To The Home' (FTTH) appears the most suitable choice for a long term objective if the clients are wholly served by optical fibers, it will be easier to increase the bandwidth in the future. By keeping in mind importance of FTTH our college has organized three days' work shop on FTTH for students and faculty members.


The session was started with the introductory speech by Mrs. Abhilasha on current trends & future perspectives on this workshop. In this work shop first two days Abhilasha madam has explained ppts of FTTH, devices and safety precautions require during installation. Third day practical session was there. In that session Reliance Jio coordinators taught us various concepts and practicals based on that.

SARASWATI Education Society's
SARASWATI College of Engineering


Learn Live Achieve and Contribute

Khargha, New Mumbai - 410 210




Prof. Bhoomi Patil
Coordinator


Prof. Sheetal Bukkavar
H.O.D.


Dr. Manjusha Deshmukh
Principal

	11	12	13	14	15	16	17	18	19	20
21	ms. 11.5/13 (4671)	A	A	ms.	ms.	ms.	ms.	A	A	
22	ms. 11.5/13 (4672)	A	A	A	ms.	ms.	ms.	A	A	
23	ms. 11.5/13 (4673)	A	A	A	ms.	ms.	ms.	A	A	
24	ms. 11.5/13 (4674)	A	A	ms.	ms.	ms.	ms.	A	A	
25	ms. 11.5/13 (4675)	A	A	ms.	ms.	ms.	ms.	A	A	
26	ms. 11.5/13 (4676)	A	A	ms.	ms.	ms.	ms.	A	A	
27	ms. 11.5/13 (4677)	A	A	ms.	ms.	ms.	ms.	A	A	
28	ms. 11.5/13 (4678)	A	A	ms.	ms.	ms.	ms.	A	A	
29	ms. 11.5/13 (4679)	A	A	ms.	ms.	ms.	ms.	A	A	
30	ms. 11.5/13 (4680)	A	A	ms.	ms.	ms.	ms.	A	A	



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ACADEMIC YEAR 2016-17

DEPARTMENT OF INFORMATION TECHNOLOGY

Date: 07/10/2016

NOTICE

All Faculties of IT department is informed that department is conducting two days FDP on "Ruby and Python" on 20th and 21th Oct 2016.

Kirti M.

Coordinator

Vaishali Jadhav

HoD (IT)

Date: 7/10/16

To,
The Principal,
SCOE , Kharghar

Subject :Letter Requesting for a Faculty Development Program Approval

Respected Madam,

We would like to ask for your permission to allow us to conduct Two Days Faculty Development Program on 20 and 21 October 2016 for IT and Computer department. We do believe that this endeavor may hone us more our staff with regards to our institute and its future development as a whole.

Thanking You

forwarded
To
Principal Ma'am.



Permitted.



Yours Truly,

Schedule of Workshop.

Python Workshop - 2016



- | | |
|--|----------------|
| 1. Introduction to Python | 30 Mins |
| a) Why and What is Python? | |
| b) How to install Python? | |
| c) Python applications. | |
| 2. Starting the basic Programming | 30 Mins |
| a) Using terminal and IDE. | |
| b) Math in Python. | |
| c) Order of operations, Comments. | |
| d) Variables, Strings. | |
| 3. The loop structure | 01 Hr. |
| a) The 'while' loop. | |
| b) Boolean expressions. | |
| c) Conditional statements. | |
| d) If-else and elif. | |
| e) Indentation. | |
| 4. Functions | 01 Hr. |
| a) Using a function. | |
| b) Communication with the function. | |
| c) A calculator program. | |
| d) Define your own function. | |
| e) Ways of passing parameters. | |
| 5. Data Structures | 01 Hr. |
| a) Using Tuples. | |
| b) Lists and Dictionaries. | |
| c) The 'for' loop. | |
| 6. Classes and Modules | 01 Hr. |
| a) Creating a class. | |
| b) Using a class. | |
| c) Inheritance. | |
| d) Creating a module. | |
| 7. File I/O and exceptions | 01 Hr. |
| a) Opening and seeking a file. | |
| b) General I/O functions. | |
| c) Pickles. | |
| d) Exception handling. | |

Ruby Workshop – 2016



- | | |
|--|----------------|
| 1. Introduction To Ruby | 30 Mins |
| a) Installation of Ruby on Linux | |
| b) Introduction to Objects | |
| c) More Objects and Methods | |
| 2. Introduction to Strings | 45 Mins |
| a) Introduction to Strings | |
| b) String Basics | |
| c) Advanced String Operations | |
| 3. Conditions and Loops: Control Structures in Ruby | 01 Hr. |
| a) Boolean Expressions in Ruby | |
| b) The if..else construct | |
| c) Loops in Ruby | |
| 4. Arrays in Ruby | 30 Mins |
| a) Introduction to Arrays | |
| b) Basic Array Operations | |
| c) Iteration | |
| 5. Hashes in Ruby | 30 Mins |
| a) Introduction to Ruby Hashes | |
| b) Hashes, in and out. | |
| 6. Classes and Object Oriented Programming in Ruby | 45 Mins |
| a) Classes | |
| b) Building your own class. | |
| 7. Introduction to Ruby Methods | 30 Mins |
| a) Being Methodical | |
| b) Calling a method | |
| 8. Introduction to Lambdas and Blocks | 30 Mins |
| a) Lambdas In Ruby | |
| b) Blocks in Ruby | |
| 9. Introduction to Modules | 30 Mins |
| a) Getting Modular | |
| b) Modules as Namespaces | |
| 10. Introduction to I/O | 30 Mins |
| a) Streams | |
| b) Using the 'File' Class | |

Tushar B. Kute

Assistant Professor,
Department of Information Technology,
Sandip Institute of Technology and Research Centre,
Nashik, Maharashtra.

Coordinator: SnashLUG-Nashik Linux Users Group, Nashik.

Website: <http://www.tusharkute.com>

E-Mail: tushar@tusharkute.com

Mobile: +91 7588594665.

Academic Records :

Qualification	Year of Passing	University / Board
M.E. Computer	June 2015	MIT, B.A.M.U., Aurangabad
B.E. Computer	May 2005	COEP, University of Pune
Diploma in Computer Engg.	May 2002	M. S. B. T. E., Mumbai

Experience: 09 Years.

Sr. No.	Institute	Post	Dept.	Duration
1	Sandip Foundation's, Sandip Institute of Technology and Research Centre Nashik	Assistant Professor	I.T.	11/11/2009 to till date
2	K. K. Wagh Education Society's, K.K. Wagh Polytechnic, Nashik.	Lecturer	I.T.	16/08/2006 to 10/11/2009

University Approval Number: CCO/2138 Dated 21-12-2009.

Specialized Subjects:

- Microprocessor and Micro-controllers
- Computer Organization and Architecture
- Operating System

Area of research:

- Linux administration and Kernel development.
- Embedded Systems.
- Machine Learning.

Departmental Responsibilities :

- Academic Coordinator.
- ISO Coordinator.
- Time-table in-charge.



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SARASWATI College of Engineering

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Kharghar, Navi Mumbai - 410 210.

Department of Information Technology
Summary Report

Topic: Workshop on "RUBY"
/16

Organized by: **Information Technology**

Date: 21/10/16 & 23/10

Venue: DBMS-Lab
(Computer Dept.)

Time: 10.30am

Speaker :Mr.Tushar Kute

Objective:


1. To learn ruby history in brief and its comparison with python .
2. To study flexibility , usability and adaptability of ruby than python..
3. To study programming in ruby.
4. To learn ruby commands and its execution very effectively.
5. To study pedigree of RUBY.
6. To demonstrate ruby used as scripting language..


Outcome:

1. Faculty will be able to learn history of Ruby and its features.
2. Faculty will be able to understand the properties of ruby.
3. Faculty will be able to implement ruby commands and its execution .
4. Faculty will be able to differentiate the categories of ruby.
5. Faculty will be able to demonstrate ruby as scripting language.

About FDP:

Saraswati College Of Engineering ,Kharghar has conducted workshop on RUBY under the broad development theme of "Faculty Development Program:. Guest Speaker of this workshop was MR. Tushar Kute , who delivered the seminar very effectively and impressively.


co-ordinator
(Kirti M).


HOD IT
(Prof. Vaishali J.)



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Kharghar, Navi Mumbai - 410 210.

Department of Information Technology
Summary Report

Topic: **Workshop on "PYTHON"**
Organized by: **Information Technology**

Date: 19/10/16 & 20/10/16
Venue: DBMS-Lab
(Computer Dept.)
Time: 10.30am

Speaker :Mr.Tushar Kute

Objective:


1. To learn python history in brief .
2. To study flexibility , usability of python than java
3. To study python use in system programming language.
4. To learn python commands and its execution very effectively.
5. To demonstrate python programming used for building games.


Outcome:

1. Faculty will be able to learn python and its features.
2. Faculty will be able to understand python as system programming language.
3. Faculty will be able to implement python commands and its execution.
4. Faculty will be able to demonstrate python in gaming field.

About FDP:

Saraswati College Of Engineering ,Kharghar has conducted workshop on PYTHON under the broad development theme of "Faculty Development Program:. Guest Speaker of this workshop was MR. Tushar Kute , who delivered the seminar very effectively and impressively.


co-ordinator
(Kirti M.)


HOD IT
(Vaishali J.)





SARASWATI Education Society's
SARASWATI College of Engineering

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Kharghar, Navi Mumbai - 410 210.

21 October 2016

From ,
Saraswati College Of Engineering,
Computer Department

To,

Prof. Tushar Kute sir,

On behalf of Saraswati College Of Engineering (Computer and IT Dept.), I would like to extend our heartfelt thanks for your participation as as a speaker with our program **Faculty Development Program on Python and Ruby programming** on 20 and 21 october 2016.






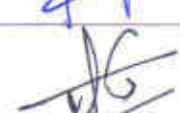

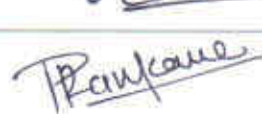
The feedback from this FDP was extremely positive . Thank you not only for participating by sharing your expertise with our participants , but in being willing to coordinate a program in a completely virtual classroom setting. We know that this took extra care and skill to adapt your presentation to this style of delivery. Your responses were enthusiastic about the content and the overall quality of the FDP , and we had great feedback on your presentation . We are especially grateful that it will definitely helpful for us and indirectly to our students also.

Once again , thank you for sharing your topic knowledge and helping to support our staff . Thank you for joining us in this "FDP" , and best to you in your professional endeavors .
Sincerely ,

FDP Coordinator

HOD


FACULTY ATTENDANCE: PYTHON

Name	Signatures
Mrs. Vaishali P. Jadhav	
Ms. Shraddha Subhedar	
Mrs. Shital K. Ajagekar	
Ms. Lakshmi Naga Divya Tamma	
Mr. Praveen S. Shinde	
Ms. Kirti Mhamunkar	
Ms. Eirty K. Telang	
Ms. Ashima Goyal	
Mrs. Hemalata A. Gosavi	
Mr. Yogesh H. Jadhav	
Mrs. Poonam R. Hankare	


co-ordinator


HOD IT

FACULTY ATTENDANCE: RUBY

Name	Signatures
Mrs. Vaishali P. Jadhav	
Mrs. Anuradha A. Dandwate	
Mrs. Shital K. Ajagekar	
Ms. Lakshmi Naga Divya Tamma	
Mr. Praveen S. Shinde	
Ms. Kirti Mhamunkar	
Ms. Eirty K. Telang	
Ms. Ashima Goyal	
Mrs. Hemalata A. Gosavi	
Mr. Yogesh H. Jadhav	
Mrs. Poonam R. Hankare	


CO-ordinator


HOD IT



SARASWATI Education Society's
SARASWATI College of Engineering

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Kharghar, Navi Mumbai - 410 210.

Date: - 22/03/2017

Report on National Seminar on "Advances in Communication"

1. Organizing Department: Electronics & Telecommunication Department
2. Day: 22nd March, 2017 ,9.30 am – 5.00 pm
3. Number of Participants: 51 Participant
4. Event Coordinators: Prof. MandeepKundhal
Prof. Sarita Kale
5. Speaker: Dr. R. K. Shevgaonkar
Dr. Amit Deshmukh
6. Objective:
 - 1)To discuss latest research Trends in Wireless Communication
 - 2) To give in depth knowledge on research trends and advances in communication focusing on wireless CommunicationFiberoptics,Microwave and Antenna through lectures, interactive sessions, demos and discussions.
 - 3) To encourage faculty member for research in area of Communication
 - 4) To interact with the faculty of various institute

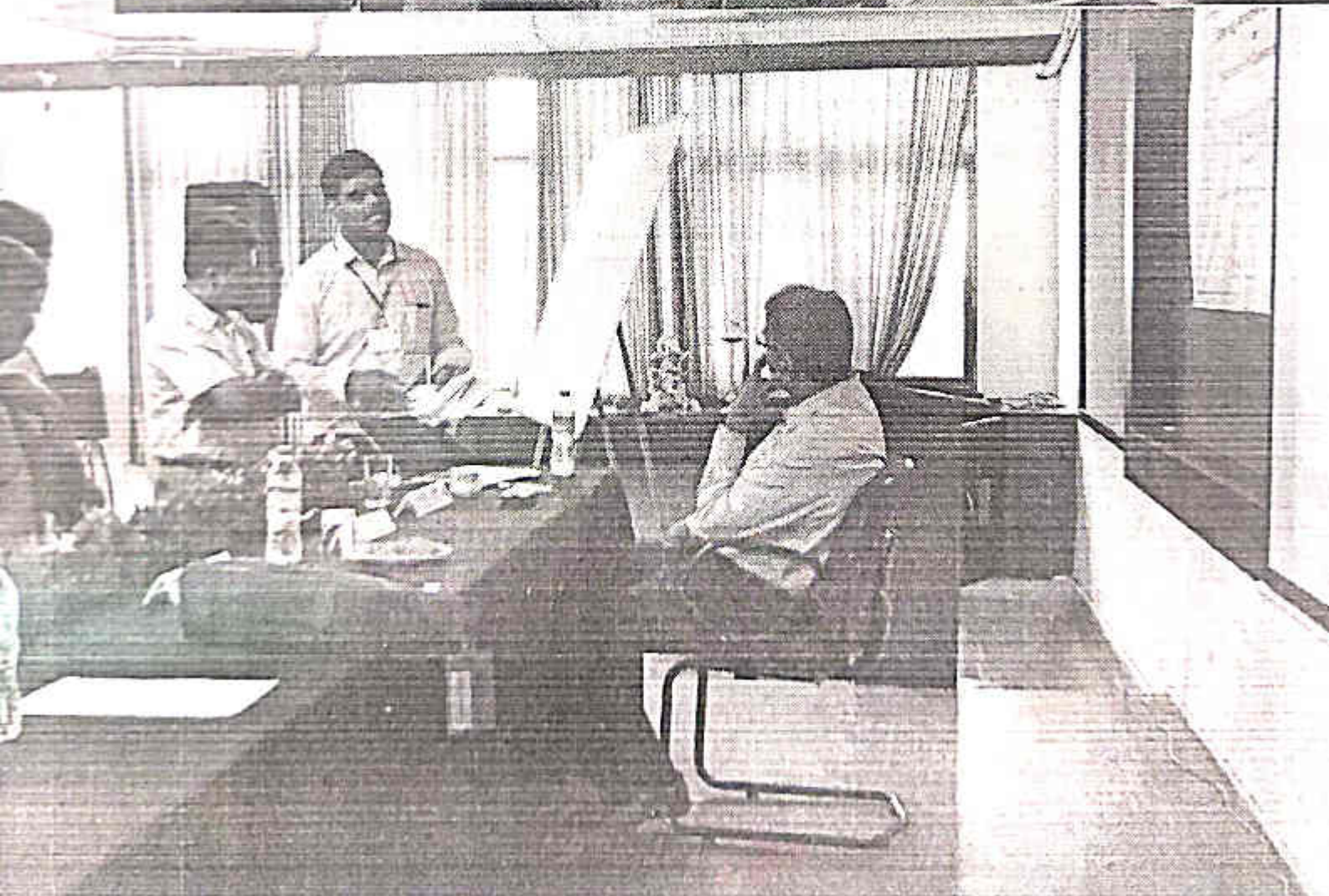
About National Seminar on “Advances in Communication”

National Seminar on Advance in Communication was organized by Electronics and Telecommunication on 22nd March, 2017. The Inauguration ceremony held in presence of Hon Dr. R. K. Shevgoankar, Dr. Bharati Joshi (Dean Academics), Prof. Sheetal Bukkavar HOD (EXTC) at 9.30 am. Dr. R.K. Shevgaonkar was the speaker for the morning session. He has received his B.E. degree with Gold Medal in Electrical engineering from Jiwaji University, M.Tech. from IIT Kanpur and PhD. from IIT Bombay. He was a Scientist at Indian Institute of Astrophysics and Raman Research Institute. After doing his Post Doctoral fellowship at University of Maryland, USA, he joined IIT Bombay. He has occupied various positions at IIT Bombay like Dean of Students' Affairs, Dean, Resource Mobilization, Head, Department of Electrical Engineering, Head, Centre for Distance Engineering Education Programme, and Deputy Director. He was the Vice Chancellor of University of Pune and presently he is the Director of IIT Delhi. He has been a Visiting Professor at University of Lincoln, USA, and ETH, Zurich, Switzerland, and ISEP Paris, France. Dr. Shevgaonkar has been an active researcher in the area of Optical communication, Image processing, Antennas, Microwaves, Radio astronomy etc. He has published more than 150 papers in international journals and conferences, and two books namely Electromagnetic Waves and Transmission lines for Electrical Engineers. He has guided 18 PhDs and more than 30 M.Tech. dissertations.

Dr R. K. Shevgoakar spoke on Excitation of Electromagnetic wave and Fundamentals of Fibre Optics. Interaction session of one hour was arranged for the participant where they share their problems related to research.

Dr Amit Deshmukh was the second speaker for the evening Session. He is Professor, HOD in Electronics and Telecommunication Dept. in D.J. Sanghvi College of Engg. He has 59 paper in National /International Conference and 18 Journal Papers to his credit. Dr. Amit Deshmukh shared his knowledge in area of designing Microstrip Antenna and the latest Research area of antenna designing.

We successful hosted the valedictory function and also certificate were distributed through the hands of Dr Amit Deshmukh and our HOD Prof. Sheetal Bukkavar.











[Handwritten Signature]
26/3/17
Coordinator

[Handwritten Signature]
26/3/17
HOD

Date: 1st Feb, 2017

To,

The Principal,

Saraswati College of Engineering,

Kharghar,

Subject: Approval for organising One Day National Level Seminar on "Advances in Communication" on 21st March, 2017.

Respected Madam,


Electronics and Telecommunication Department is planning to organise **One Day National Level Seminar on "Advances in Communication" on 21st March, 2017**. This seminar will give insight on research communication field and will encourage the faculty members and students research to get actively involved to do research in communication field. We are intending to invite **Dr R. K. Shevgoankar**, Professor, IIT-B as an Expert speaker for this seminar who is a renowned figure in field of communication and Antenna.


Kindly, permit us for the same.


Thanking You,

Your's faithfully


Prof. Sarita Kale
Event Cordinators


Prof. Mandeep Kundhal
Event Cordinators


Prof. Sheetal Bukkavar
Head of the Department E&Tc

Permitted


Nation
Ad

Acade
20



Ref No : SCOE/Adm/2017/98

Date: 20th Feb, 2017

To:
The Executive Secretary,
ISTE,
New Delhi.

Subject: Approval for One Day National Level Seminar on "Advances in Communication" under ISTE local chapter.

Dear Sir Madam,

Saraswati College of Engineering, Kharghar is the member of ISTE (HMI 16015) and local chapter no. # MH/172. Electronics and Telecommunication Dept. is organizing One Day National Level Seminar on "Advances in Communication" on 22nd March, 2017. The speaker for this seminar is Dr. R. K. Sheyganekar. The Objective of the one-day seminar is to provide vital information on research trends and advances in communication focusing on wireless communication, fiber optics, Microwave and Antenna.

We want to conduct this seminar under the name of ISTE and would like to use the ISTE logo on our Posters, Brochures and Certificates. I request you to permit for the same.

Thanking you for anticipation


Prof. Sheetal Bikkawar
H.O.D. ETC


Prof. S. B. Sorte
ISTE Coordinator


Dr. Manojkumar Deshmukh
Principal



ONE DAY NATIONAL LEVEL SEMINAR

ON "ADVANCES IN COMMUNICATION"

22nd March, 2017

Technically Sponsored by ISTE & IETE

Full Name: _____

Designation: _____

Qualification: _____

Experience: _____

Institution/Organization: _____

Mailing Address: _____

Phone (O) _____
(R) _____

Email: _____

For Online Payment

Account Name	Saraswati College Of Engineering
Account Number	3502002100035456
Account Type	Current Bank A/C
Bank Name	PUNJAB NATIONAL BANK, VASHI, NAVI MUMBAI
Branch Code	350200
IFSC Code	PUNB0350200
MICR Code	400024041

Signature of the Applicant :
Date & Place :

CHIEF PATRON

Hon. Pritivirajji S. Deshmukh
(Chairman, SES)

PATRONS

Hon. Mrs. Vrushali P. Deshmukh
(Secretary, SES)

Wg.Cdr.L. Devarajan (Retd.)
(GM Admin & HR, SES)

PRINCIPAL

Dr. Manjusha Deshmukh

CONVENER

Prof. Sheetal Bolkawar
(Head Electronics And Telecommunication Engineering)

EMINENT SPEAKER



Dr. R. K. Shevgaonkar

Coordinators

Prof. Mandeep Kundhal
Prof. Sarita Kale

Organizing Committee

Dr. B.P. Dubey	Prof. Sheetal Bhujade
Prof. Rajashri N.	Prof. Umesh Pinjarkar
Prof. Pallavi Kharat	Prof. Vijay Kapure
Prof. Bhoomi Patil	Prof. Megha Pande
Prof. Liji Srinivas	Prof. Snehal Barge
Prof. Sneha Burnase	Prof. Neha Mahajan
Prof. Suchitra M.	Prof. Nareesh Joshi
Prof. Yashika Singhal	Prof. Chitra
Prof. Kirti Mantri	Prof. Prabaldeep Das



Saraswati Education Society's
**Saraswati College of
Engineering**
Presents

ONE DAY NATIONAL LEVEL SEMINAR

ON "ADVANCES IN COMMUNICATION"

22nd March, 2017

Technically Sponsored by ISTE & IETE

Organized by
Departments of Electronics and
Telecommunication Engineering



Saraswati College of Engineering
Plot No-46, Behind MSEB Sub Station,
Sector-05, Kharghar, Navi Mumbai-410210,
Phone: (022) 27743706
Fax: (022) 27743712
website - www.scc.edu.in



Department of Electronics and Telecommunication

National Seminar on "Advance in Communication"

Sr. NO.	Name as on Certificate	From College/ Industry (Specify Name)	Email id	Contact no.	Sign	Sign After Certificate Receiving
1	Miss Ameya P Jadhav	Atharva College of Engg.	ameya.jadhav.acce@ gmail.com	9867458535		
2	Kavita S. Shikode	P.V. Polytechnic SNDT Juhu	kavita.shikode@ pvpsndt.ac.in	9967112738		
3	SEJAL AMEYA KADAM	P.J.S.C.E.	sejal.kadam@djsce.ac.in	9920534234		
4	AKSHAY VIVEK DOSHI	D.J.S.C.E.	doshik.akshay192@ gmail.com	8291201065		
5	Bhoomi Patil	SCO E	bhoomiapatil@gmail.com	9987042411		
6	Poonam Kadam	D.J.S.C.E.	poonam.kadam@djsce.ac.in	9833017176		
7	Anuja adhekar	D.J.S.C.E.	anuja.adhekar@djsce.ac.in	8879307764		
8	Namrata Lade	A.C.E.	lade.namrata114@ gmail.com	8692865173		



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Department of Electronics and Telecommunication

National Seminar on "Advance in Communication"

Sr. NO.	Name as on Certificate	From College/ Industry (Specify Name)	Email id	Contact no.	Sign	Sign After Certificate Receiving
9.	Disha Bhosle	A.C.E Malad	disha.bhosle@gmail	9869157252		
10	Khade Alka	Terna COE	alka.khade@ternaengg.ac.in	9833174175		
11	Bodade Varsha	- II -	varshabodade@ternaengg.ac.in	9869125055		
12	Shishir D. Jastar	BVCOE	shishir.jastard@gmail.com	8697810351		
13	Smriti A. Patil	PCE	spatil@mes.ac.in	9819226982		
14	Prof. Jayashree D. Bhosate	Watumull Woyli	rajts.patil@gmail.com	9930291945		
15	Prof. Bhosate JA	PCE New Amvel	jbhosate@mes.ac.in	9920939098		
16	Sonali K. Kathare	PCE New Amvel	skathare@mes.ac.in	8874304899		



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Sr. NO.	Name as on Certificate	From College/ Industry (Specify Name)	Email id	Contact no.	Sign	Sign After Certificate Receiving
1	PALLAVI MALAME	S.P.I.T. Andheri (W)	pallavi.malame@spit.ac.in	9819832583		
2	SHIVANI BHATTACHARJEE	DJSC E VILE PARLE (W)	shivani.bhattacharjee@dysee.ac.in	9833125925		
3	Bivalkar Mandar K.	K. J. Somaiya FEIT.	mbivalkar@somaiya.edu	9890982103		
4	RUJUTA PAWAR	WAVES INSTITUTE	rujutapawar1615@gmail.com	9561760318		
5	GANGOTRI KHIRATKAR	WAVES INSTITUTE	gangotriK03@gmail.com	9833774652		
6	ZEEESHAN ALI	AIKTU	leozee14@gmail.com	9833592139		
7	Dhaku Kalyani ME		kalyani.parag27@gmail.com	7506706988		
8	Sneha Buznose	SCOE	snehabuznose@gmail.com	9561477587		



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Department of Electronics and Telecommunication

National Seminar on "Advance in Communication"

Sr. NO.	Name as on Certificate	From College/ Industry (Specify Name)	Email id	Contact no.	Sign	Sign After Certificate Receiving
1.	Neha Mahajai	SCOE	nehamahajai@gmail.com	9833378745	Neha	
2.	Umesh Pinjarkar	SCOE	umesh-pinjarkar@etec.sce.	808370277	UAC	
3.	Preeti Sandani	NHITM	morech9_preeti@rediffmail.com	775033676	Preeti	
4.	Bhagyashree Jagtap	NHITM	bkjagtap30@gmail.com	9208001853	Bhagyashree	
5.	sunta Munde	LTCOE	suntamunde@gmail.com	9892174633	Munde.	
6.	Vaishali S. Jadhav	RAIT	shachi.ahit@gmail.com	9869254206	Jadhav	
7.	Shaulaya S. Mohite	KCCOEMSR	shaulaya.mohite1@rediffmail.com	8419976860	Shaulaya	
8.	Varunkumar Mishra	ACE, malad	Varun7smile@gmail.com	9987117072	V	



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ACADEMIC YEAR 2016-17

DEPARTMENT OF INFORMATION TECHNOLOGY

Date: 20/04/2017

NOTICE

All Faculties of IT department is informed that department is conducting three days FDP on "Arduino" on 25th to 27th April 2017.

Mrs. Anuradha D.

Coordinator

Ms. Vaishali Jadhav

HoD (IT)

To

The Principal,

SCOE

Kharghar.

Sub: Permission to conduct three days workshop on "ARDUINO".

Respected madam,

Information Technology department wishes to organize conduct three days workshop on "ARDUINO" from 25/04/17 to 28/04/17. This workshop will be beneficial for faculties to update their technical knowledge about latest web development techniques.

Kindly allow for the same.

Thanking you.

Yours sincerely



Prof. Vaishali Jadhav

HOD

Information Technology Dept.

Date: 19/04/2017

To,
The Principal,
SCOE Kharghar
Subject: Request to sanction FDP amount of faculties.

Respected Madam,

I Vrushi Thakur, IT coordinator of FDP on Arduino, request you to sanction the grant of Rs 5000 for registration of 14 faculties of IT department.

Hope to get the grant sanctioned at the earliest. IT faculties will be highly thankful for the support.

*Forwarded to
the principal man*

Thanking you.

Yours Sincerely,

Vrushi Thakur

AP - IT

[Signature]

19/4/17.

Approved
[Signature]



**Information Technology Department
Academic Year 2016-17(Even Sem)**

Schedule for Arduino workshop

Date	Topics
Day 1	<ul style="list-style-type: none">• INTRODUCTION• METHOD• FUNCTIONS
Day 2	Arduino Coding <ul style="list-style-type: none">• Writing Functions
Day 3	<ul style="list-style-type: none">• Using Arduino with Raspberry Pi• Coding• Conclusion

AAD

Coordinator

(Anuradha D.)

↓

HOD IT

(Prof. Vaishali Jadhav)

RESUME

Mr. Santosh Ashok Kamble
sk_instru@yahoo.com
+91 92240 161 94

Flat No 202, Gokul Corner C.H.S. Ltd,
Plot 5A/1, Sector 5, Kamothe
Navi Mumbai. Dist. Raigad Pin-410209

Career Profile:

A graduate from reputed Institute, More than 14 years experience in teaching. Having sound knowledge of subjects like Microcontroller, Embedded system, Digital Electronics, Instrumentation, Basic Electronics, Control system, Linear Integrated circuit etc. A deliberate with excellent communication and Presentation skills.

Career Objective:

Seeking a challenging and progressive career with a professional institute where my personal and professional skills would be tested and will get an opportunity to excel in the career personally and professionally.

Professional Summary:

- Working as Head R. & D. Dept. and Training Coordinator at Saitronics from June 2015
- Worked with P.V.P.P.'s Manohar Phalke Polytechnic, Sion, Mumbai as an Academic Coordinator / Head R. & D. Department / Senior lecturer in Instrumentation / Electronics from August 2004.
- Also worked as a Visiting lecturer in Government Polytechnic, Karad, From August 2002 to May 2004.
- Learned and taught different subjects like Micro-processor, Micro-controller, Embedded system, Electronic Workshop, Digital Technique and computer fundamentals.
- I am life member of Indian Society for Technical Education (ISTE) from year 2006.
- I have handled the complete Admission Procedure in the institutes, enabling me to understand the nature of the admission procedure in a technical Institute.
- Worked as an Academic Co-ordinator in Manohar Phalke Polytechnic since July 2009. As an academic co-ordinator, I was responsible for overall administration of the academic process of the Institute.
- In Manohar Phalke Polytechnic institutes, I was assigned the job of interacting with AICTE committee, Directorate of Technical Education's (D.T.E.) Committee, Maharashtra State Board of Technical Education's External Monitoring Committee (MSBTE), giving me deep insight into the working of management and administration of the technical Institute.
- Worked as Officer in-charge of Regional Assessment Center (RAC) of Examination for Maharashtra State Board of Technical Education, Mumbai.

Academic Credentials:

- **M.Tech. (Embedded System)** from SAINT Institute of Technology, Ibrahimpatnam, Hydrabad (JNTU University).
- B.E. in Instrumentation Engg. With 62.40% from College of Engg. Hadapsar, Pune, Pune University in 2002
- Diploma in instrumentation with 73.43% from Government Polytechnic Karad in 1999.
- SSC with 73.20% from Kolhapur Divisional Board in 1996

Teaching Philosophy:

My teaching philosophy is very simple. Be a student first, imagine yourself at their place while teaching and in-between ask for their difficulties and make sure they are satisfied at the end of the lecture. I also encourage them to take part in interactive teaching-learning process.

Extra Curricular Activities:

Skills:

- Assembly Language Programming for 8051, 8085
- Embedded C Language Programming for 8051, PIC, ARDUINO, ARM
- PCB Designing and manufacturing.
- Analog and Digital Electronics System designing.
- Educational kits designing.

Highlights:

- Worked as an HOD R. & D. in Manohar Phalke Polytechnic since July 2005. As R. & D. HOD I designed and developed various educational kits for institute and saved the funds of institute.
 - In 2005 I developed various education kits for college lab and saved 1,30,000/- at Manohar Phalke Polytechnic, Mumbai.
 - In 2014 I developed various education kits for college lab and saved 2,00,000/- at Manohar Phalke Polytechnic, Mumbai.
- I have organized 9 times "MPproEX" i.e. National Level Project exhibition, Paper Presentation and Technical Quiz in my institute.
- Developed PCB manufacturing LAB within 25,000/- which is 10 time less then the actual amount.
- Designed low cost Microcontroller development board i.e. (Embedded System Board) on which all practicals of microcontroller and embedded system can be performed.
- Conducted PCB Designing workshop at various colleges.
- Worked as a subject expert in curriculum designing project for electronics group organized by MSBTE.
- Worked as subject expert in lab manual development project for electronics group organized by MSBTE and developed lab manual of Electronic Workshop for 2nd Semester Electronics Group.
- Worked as subject expert for teacher guide development project for electronics group organized by MSBTE and developed teacher guide for
 - SEM 6th – Embedded System (ESY-17658)
 - SEM 5th – Microcontroller and Applications (MAA-17509)
 - SEM 4th – Industrial Measurements (IMA - 17434)
 - SEM 3rd – Electronics Devices and Circuits (EDC-17319)
- Worked as subject expert for Model Sample question papers for electronics group organized by MSBTE and developed model sample question papers for
 - SEM 6th – Embedded System (ESY-17658)
 - SEM 5th – Microcontroller and Applications (MAA-17509)
 - SEM 4th – Industrial Measurements (IMA - 17434)
 - SEM 3rd – Electronics Devices and Circuits (EDC-17319)
- Taken Expert lectures on 8051 Microcontroller and PCB Designing and PCB Manufacturing.
- Designed and developed various projects for institute I worked, also as my hobby.

- Conducting Hands on skill workshop on:
 - IoT,
 - Raspberry Pi,
 - ARM LPC2148,
 - Arduino,
 - PLCs,
 - 89C51 programming in C and assembly language,
 - Embedded System and
 - PCB Manufacturing.

STTP attended:

- Attended One week STTP on PIC Microcontroller organized by PVPP College of Engineering, Mumbai.
- Attended one week ISTE STTP on advanced Trends in Embedded System organized by Vidyalankar Polytechnic, Mumbai.
- Attended Two weeks ISTE workshop on Solar Photovoltaic under the National Mission on education through ICT together with National center for Research & Education IIT Bombay at remote center R.I.T. Sakhrale, Islampur.

Computer Proficiency:

- Programming Languages: Assembly Language and Embedded C language for various microcontroller like 8051, PIC, ARDINO, ARM LPC2148 etc
- Operating system: Windows XP, Windows 7.
- Documentation Skills: Microsoft office i.e. Word, Excel, Power point

Personal Details:

Date of Birth : July 15, 1980
Marital status : Married
Nationality : Indian
Cast : Hindu Sali.
Languages known : English, Hindi and Marathi.
Permanent Address : 300/a, Raviwar Peth,
Koshti Galli, Karad.
Pin. 415110



Declaration:

I hereby declare that all the information furnished above is true, complete to the best of my knowledge and belief. I am aware that my application is liable to be rejected if the information given above is incorrect.

Place:

Sincerely,

Date :

Mr. Kamble Santosh Ashok



SARASWATI Education Society's
SARASWATI College of Engineering

Learn Live Achieve and Contribute

Kharghar, Navi Mumbai - 410 210.

Report on – FDP on ARDUINO

Date : 02/05/2017

Organizing Department: Information Technology Department

Date: 26th -29th April 2017.

Number of Participants: 16

Speaker: Mr. Santosh Kamble

Objective:

- Describe the basic functioning of the “standard” Arduino microcontroller board
- Describe the capabilities of the Spartronics Experimenter Shield (any version), and how it relates to the Arduino
- Configure the Arduino IDE to communicate with the Arduino hardware
- Use the Arduino IDE to load, compile, download and execute (provided samples and user-written) programs
- Describe the basic structure of an Arduino program
- Use discrete components on a solderless breadboard with an Arduino

Output:

- Understand the basic principle of how to communicate with the Arduino
- Understand the conditions for Arduino & Processing
- Learn how to use microcontrollers with practical applications
- Learn Skills on Arduino I/O interface, sensors and control.

Syllabus Covered:

Content of ARDUINO

- Introduction to Arduino Platform
- Basics of C Programming
- Arduino Programming
- Program Downloading
- LED Interfacing
- Buzzer Interfacing
- Relay Interfacing
- LCD Interfacing
- Display Name on LCD
- Switch Interfacing
- Sensor Interfacing
- Temperature Sensor
- Humidity Sensor
- Android Phone Interface

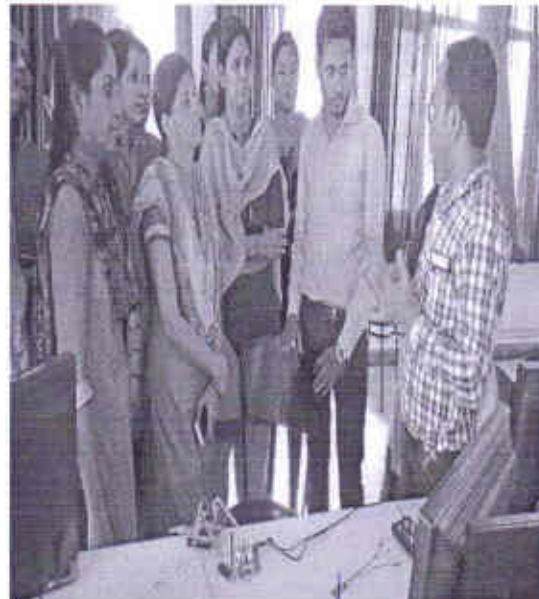
Amount Collected

Department	No. of Participants	Amount per head	Amount collected
IT	14	350	4900
Sponsored by SCOE		5000	5000
			9900

Expenses

Sr. No.	Expense	Amount	Bill No.
1.	SaiTronics	9000	Invoice
2.	Lunch Speaker	510	
3.	Balance	390	
	Total	9900	

Photos of the STTP



Mrs. Anuradha Dandwate/ Mrs. Vrushi Thakur

Co-Ordinator

Ms. Vaishali Jadhav

H.O.D (IT)



SARASWATI Education Society's
SARASWATI College of Engineering

Learn Live Achieve and Contribute

Kharghar, Navi Mumbai - 410 210.

Department of Information Technology
FDP on "ARDUINO"

Sr. No.	Name of The Staff	25/04/2017		26/04/2017		27/04/2017	
		Morning Session	Evening Session	Morning Session	Evening Session	Morning Session	Evening Session
1	Mrs. Vaishali P. Jadhav	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
2	Mrs. Anuradha A. Dandwate	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
3	Ms. Pragati Pejlekar	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
4	Ms. Vrushali Pankaj Thakur	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
5	Ms. Shraddha Subhedar	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
6	Ms. Mahi Khenchandani	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
7	Ms. Diksha Kumar	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
8	Mr. Praveen S. Shinde	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
9	Mrs. Kirti Mhamunkar	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
10	Ms. Ragini Sharma	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
11	Ms. Rashmi Chaudhari	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
12	Ms. Mitrakshi Patil	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
13	Ms. Vandana Maurya	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
14	Ms. Preethi Suresh	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
15	Ms. Pradnya Shinde	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
16	Mr. Sharad Mahadik	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

[Signature] *[Signature]*
 Ms. Anuradha Dandwate/ Ms. Vrushali Thakur
 FDP Co-ordinator

[Signature]
 Ms. Vaishali Jadhav
 HOD IT



SaiTronics
THE UNIVERSAL SOLUTIONS

Registered Under MSME,
MH30A0003470

CERTIFICATE

This certificate is awarded to Mr. / Ms. / Mrs. Poojati Pejlekan
on the successful completion / participation of FDP on ARDUINO Programming
during 26/4/17 to 28/4/17 from Training division of Sai Tronics.

Date : 28 / 4 / 2017

Place : SCO E, Kharghar

Certificate No.: SCO E / FDP / 03




Kamlesh

Training Co-ordinator, SaiTronics

ISTE and CSI Approved
A
Short Term Training Program
On
“BIG DATA ANALYTICS”

Conducted by
Department of Computer Engineering
Saraswati College of Engineering , Kharghar


Amit Gawade
STTP-In-charge


Dr. Bharti Joshi
HOD(COMP)

Date . 27-4-2017

To
The Principal,
SCOE,
Kharghar.

Subject: Permission to conduct one week STTP on "Big Data Analysis using Hadoop".

Respected Madam,

Computer engineering department wishes to organize one week STTP on "Big Data Analysis using Hadoop" from 29th May 2017 to 2nd June 2017. This STTP will be beneficial for faculties to update their technical knowledge about latest web development techniques.

Kindly allow for the same.

Thanking you.

Permitted
[Signature]

Yours Sincerely

[Signature]

Dr. Bharti Joshi

HOD

Computer Engineering Dept.

Date: 26-04-2017

To,

The Principal,

SCOE, Kharghar.

Subject: Regarding Faculty Development Program

Respected madam,

I undersigned is the FDP Coordinator of computer department. Our department want to arrange two days faculty development program. For same purpose we need 5000/- only. So please do the needful and allow us for the same.

Yours Sincerely



Prof. Amit Gawade

FDP Coordinator [Asst. Prof]

To,
The Principal,
for permission Pl.
Amit
26/4/17

Approved
as per SCOE
budget.
[Signature]

Ref No: SCOE/Admin/2017/299

Date: 27/04/2017

To,
Executive Secretary and Program Director,
Indian Society for Technical Education,
Shaheed Jee Singh Marg,
New Delhi-1110016

Subject : Willingness to conduct ISTE short term training program on "Big Data Analysis using Hadoop" in Saraswati College of Engineering from 29th May 2017 to 2nd June 2017.

Respected Sir,

Saraswati College of Engineering (ISTE Membership No.:IM-1601) is planning to conduct one week short term training program on "Big Data Analysis using Hadoop" for staff under ISTE chapter to enhance technical skills. Please find enclosed herewith proforma duly filled and signed by coordinators.

Kindly grant permission to organize this event under ISTE's banner.

Thanks and Regards,

Enclosures : 1) STTP proforma
2) DD

Yours faithfully,



Dr. Bharti Joshi
Head and Professor
Computer Engg. Dept.



Dr. Manojna Deshpande
Principal

Saraswati College of Engg.
PRINCIPAL

Saraswati College of Engineering
Kharghar, Navi Mumbai - 410 210

Campus:

Plot No - 46, Sector 5, Behind MSEB Sub-Station, Near Utsav Chowk, Kharghar, Navi Mumbai - 410 210

Tel.: 022 - 27743706 / 07 / 08 / 09, Fax: 022 - 27743712, Email: registrarsaraswati@gmail.com

Website: www.scoe.edu.in / www.rvoit.edu.in

a (Saraswati Education Society) endeavor

(Approved by AICTE, Regd. by Maharashtra Govt. DTE, Affiliated to Mumbai University)

An ISO 9001-2008 Certified Institute





SARASWATI Education Society's
SARASWATI College of Engineering

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Kharghar, Navi Mumbai - 410 210.

Department of Computer Engineering

INVITATION LETTER FOR SHORT TERM TRAINING PROGRAMME

Dear Prof. Likhesh Kolhe,

We are pleased to invite you to the "Short Term Training Program" for the Subject "Big Data Analysis using Hadoop" scheduled from 29 May 2017 to 2 June 2017 in the Saraswati College of Engineering, Kharghar, Navi Mumbai.

The Faculty Orientation Program deliberations will be on the following themes For the Subject Big Data Analytics:

1. **Big Data Overview**
2. **Big Data Solutions**
3. **Environment Setup**
4. **HDFS Overview**
5. **HDFS Operations**
6. **MapReduce**
7. **Streaming**

Your Expertise and Experience in this field of Big Data Analytics will be an excellent addition to our programme as many of our visitors will look forward to hearing and learning from your experience. It is Honor to be able to invite you to be Resource

STTP COORDINATOR



Amit Gawade <amitgawade1989@gmail.com>

Big data workshop contents

Likhesh Kolhe <likhesh8@gmail.com>
To: amitgawade1989@gmail.com

Thu, Apr 27, 2017 at 10:27 PM

2 days contents for big data workshop

Theory

- What is big data
- Why big data
- Hadoop architecture
- HDFS
- Map reduce

Hands on

- 1 installation of hadoop and basic commands
- 2 pig scripting
 - A. Hello world program
 - B. Word count program
 - C. Design n implementation of any algorithm
Eg. Apriori algorithm
- 3. Map reduce programming
 - A. Word count
 - B. Matrix multiplication
- 4. Data visualization/ Analysis

RESUME

Likhesh N. Kolhe



205, ShyamSoni Appt.
Ganesh Nagar, Dombivali(W),
Thane - 421 202
Mob. -879 3465 361/8551876323
E-mail - likhesh8@gmail.com

Objective

To obtain a creative and challenging position in the field like Project Management & Software Development for Computer System to gain and utilize the experience.

Educational Qualification		
Degree	University/Board/YEAR	Marks (%) / Grade
PhD (Computer Engineering)	Pacific University	Pursuing
M.E.(computer engineering)	Mumbai University	9.08 CGPI
B.E. (computer engineering)	Mumbai University	78.00%
H.S.C.	Mumbai University	71.83%
S. S. C.	CBSE Board	71.00%

Technical Skills

- High level Languages: C,C++,Sql
- Web Technologies: HTML PHP,MySql
- Hardware and Networking
- Cloud computing
- Ethical Hacking
- Big Data Technologies

Final year Project(BE)

Title(Degree): Cloud Computiing

Description: Deployment of a private cloud using open source tools Eucalyptus, Ubuntu,euca2tools to focus on provide infrastructural services,Software as a service.We deVveloped one application in php testing purpose.

Platform : PHP(Front end),MySql(Backend) [for application]

Final year Project(ME)

Title(Degree): Semantics Based Automatic Check Detection

Description: In this project address the issue of web service discovery given no explicit service description semantics that match a specific service request. Our approach to semantic based web service discovery involves semantic-based service categorization and semantic enhancement of the service request. I propose a solution for achieving functional level service categorization based on an ontology framework. Additionally, I utilize clustering for accurately classifying the web services based on service functionality.

Platform : ASP.NET(Front end),Sql Server(Backend)

Work Experience

- Internship iThinksoft(Trainee)
Developed a Real Estate Management which was reviewed by team comprising of senior members from reputed it companies.
- Developed a website for Shubha system(fire fighting system company) Thane.
- Worked on content management for Siemens and Bosch For 1 year.
- Developed a Website for Tech Fest(Area 244 - 2k12) of Y.T.I.E.T, karjat.
- Developed a website for IT Department committee of Armiyet college.
- Developed an Intranet software for IT Department in TEC.
- Won 2nd prize in Smart India Hackathon in All over India.

Work Experience In Teaching Field

- Working as a Assistant Professor in Terna Engineering College.
- Worked as an Asst. Professor In ARMIET College Of Mumbai University for 3 years.
- Having a Experience Of Working as a Head Of the Department.
- Worked as A Departmental NBA Coordinator.
- Having a experience of Asst.Exam In charge.
- Total Teaching Experience of 5 yrs.
- Working as a Social Media Cell Convener in Terna Engineering College

Research Paper Published

- **Likhesh Kolhe, Sachin Bojewar, "Semantic Based Automatic Check Detections", "Pragyanam „14" the proceedings of International Conference on Recent Trends in Computer and Electronics Engineering (ICRTCEE), Shah & Anchor Kutchhi Polytechnic, on January, 2014.**

- Selva Mary, G, **Likhesh Kolhe**, Rucha Pathari, "A Study on Different Methods and Algorithms to Predict End Prices in Online Auctions" International Journal of Engineering Research & Technology (e-ISSN: 2278- 0181) Vol. 3 - Issue 2 (February - 2014).
- Likhesh Kolhe**, Sachin Bojewar, "Semantic based Automated Service Discovery" is published in International Organization of Scientific Research - Journal of Computer Engineering (IOSR-JCE) e-ISSN: 2278-0661, Volume 16, Issue 2, Ver. 11 (Mar-Apr 2014).
- Mr. **Likhesh Kolhe** and Mr. Pradip Mase, "Effective education system by cloud computing" International Conference on "Emerging Trends & Innovation in Science & Engineering Education", ARMIET, September 2014.
- Selva Mary, G, **Likhesh Kolhe**, Rucha Pathari, "Semantic based Automated Service Discovery" International Journal of Scientific and Research Publications (ISSN: 2250-3153) Vol. 4 - Issue 11 (Nov - 2014).
- Selva Mary, G, **Likhesh Kolhe**, Kanchan Patil, "Classification of Micro Array Gene Expression using k-NN, SVM and Naive Classifiers" in International Journal of Scientific and Research Publications (ISSN: 2250-3153) Vol. 4 - Issue 11 (Nov - 2014).
- Likhesh Kolhe**, Sachin Bojewar, "Development Of private Cloud" is published in International Journal of Scientific and Research Publications, Volume 3, Issue 12, December 2013, ISSN 2250-3153
- Likhesh Kolhe**, Bhardwaj M "Smart Blood Bank as a Service on Cloud" is published in IOSR, Volume 18, issue 2, march 2016.
- Likhesh Kolhe**, Anuradha Bhatia, Gaurav Wasvani "Cyber Retention" is published in SCOPES-2016(IEEE) .
- Likhesh Kolhe**, Yukta Mehta, Mayur Shevate, Ankita Daykhar and Anup Pachghare "IoT in Farming Areas For Automated Water Level Indication" is published in INDIACom-2017 (IEEE) .

Subject Taught	
Degree(DG)	1) Structured Programming and Approach 2) Database Management System 3) Computer Network 4) Open Source Technologies 5) Open source Lab 6) System Security 7) Big Data Analytics
Degree(PG)	1) Network and design Management 2) Ethical hacking and Digital Forensics 3) Computational Lab-III 4) Open source lab

Workshops / Expert Lectures Conducted

- Conducted Workshop Under CSI on Website Development In VESIT,Chembur.
- Conducted Workshop under CSI on Wordpress framework In TEC, Nerul.
- Conducted workshop on topic Big Data in Universal College.
- Conducted workshop on topic Big data, IoT, Linux (RHCSA) in Terna College.
- Conducted workshop on topic Cloud Computing in VESIT.
- Conducted workshop on topic Security in ARMIET.
- Conducted Workshop on topic High Performance computing in Vidyalankar College.
- Conducted Workshop on topic Linux in BGIT College.
- Conducted workshop on topic Big Data in Pillai College.
- Conducted workshop on IoT in Pillai, Rasayani college.

Extra Curricular Activities

Chockball	District Levels	Third Position
Project	Silver Medal	On Rural Development At Udaipur(Rajasthan)
Seminar(Hypothesis)	Area 244(In Y.T.I.E.T.)	1st position

Personal Details

Date of Birth : 8TH July 1991

Marital status: Unmarried

Gender : Male

Languages Known: Marathi, English, and Hindi

Permanent Address : 205,shyam soni Apt.
Ganesh Nagar , Dombivli(west)
421202

SARASWATI Education Society's
SARASWATI College of Engineering

Learn Live Achieve and Contribute

Kharghar, Navi Mumbai - 410 210.

DEPARTMENT OF COMPUTER ENGINEERING

Academic Year 2016-2017

Short Term Training Program

Attendance Sheet

Topic: **Big Data Analysis using Hadoop**

Recourse Person: **Prof. Likhesh Kolhe**

Date: **29 May 2017 to 2nd June 2017**

SR. No	Name of Faculty	29 May 2017		30 May 2017		31 May 2017		1 June 2017		2 June 2017	
		M	E	M	E	M	E	M	E	M	E
1.	Dr. Bharti Joshi	bc	bc	bc	bc	bc	bc	bc			
2.	Ms. Deepa Parasar							bc			
3.	Ms. Arti K. Gore							bc			
4.	Ms. Madhuri Dalal	bc	bc	bc	bc						
5.	Ms. Sujata B.										
6.	Mr. Dhanraj D. Walunj	bc	bc	bc	bc	bc	bc	bc			
7.	Ms. Monali Deshmukh										
8.	Ms. Purata K. Bhoir										
9.	Ms. Rina K. Bora	bc	bc	bc	bc	bc	bc	bc	bc		
10.	Mr. Amit A. Gawade	bc	bc	bc	bc	bc	bc	bc	bc		
11.	Ms. Hemalata A. Gosavi	bc	bc	bc	bc	bc	bc	bc	bc		
12.	Ms. Vijayshree M. Shinde										
13.	Ms. Suman S. Bhujbal										
14.	Ms. Ranaya R. B.	bc	bc	bc	bc	bc	bc	bc	bc		
15.	Ms. Amee Upadhyay	bc	bc	bc	bc	bc	bc	bc	bc		
16.											

STTP Coordinator

HOD

SARASWATI COLLEGE OF ENGINEERING
COMPUTER ENGINEERING DEPARTMENT
SHORT TERM TRAINING PROGRAM
REGISTRATION FORM

Subject: Data Analysis using Hadoop

Date: - 29/05/2017.

Sr No	Name	Subject	Mobile No	Email Id
01	Ms Hemalata Gosavi	Data Analysis using Hadoop	8779162405	hema.gosavi.87@yahoo.co.in
02	Ramya R B	Data Analysis using Hadoop	9497412873	ramyab08@gmail.com
03	Arnee Upadhyay	Data Analysis using Hadoop	769843987	arni.upadhyay03@gmail.com
04	Rina Bera	Data Analysis using Hadoop	9987496806	rkbera2006@gmail.com
05	Dhanraj Walunj	Data Analysis using Hadoop	959490869	walunjdhanraj@gmail.com
06	Madhuri Dalal	Data Analysis using Hadoop	9820948113	madhuri.dalal.2011@gmail.com
07	Vijayshree M. Shinde	- -	9867807920	vij40907@gmail.com
08	Amit Gawade	- -	703943442	amitgawade1989@gmail.com
09				
10				
11				
12				

Date : 27-4-2017

To
The Principal,
SCOE
Kharghar.

Subject: Permission to conduct one week STIP on "Big Data Analysis using Hadoop".

Respected Madam,

Computer engineering department wishes to organize one week STIP on "Big Data Analysis using Hadoop" from 29th May 2017 to 2nd June 2017. This STIP will be beneficial for faculties to update their technical knowledge about latest web development techniques.

Kindly allow for the same.

Thanking you.

Permitted
Dr. Bharti Joshi

Yours Sincerely



Dr. Bharti Joshi

HOD

Computer Engineering Dept.

Profile of Computer Department:

Vision: To imprint knowledge to our students to excel in engineering culture and research and nurture them to become ethically rich professionals.

Mission: To provide simulating learning environment with a technological orientation to maximize individual potential.

The Department is recognized for its facilities and eminent faculty. The department works towards empowering students for professional and personal excellence. It has created a vibrant knowledge-based environment which motivates students to explore new ideas and perform better in academics.

The Department boasts of lab facilities that any student of this field might require. The well-networked labs includes internet facilities, the best computing hardware and peripherals, and the latest software available in the market.

With the best infrastructure available, the department motivates its students to think of innovative and unending possibilities in the field of Computer Science, and transform these ideas into technological requirements of the industry. The department is committed to preparing graduates who are sought-after and capable of contributing to developments in computing technology.

SCHEDULED DATES

29 May 2017 to 02 June 2017

Last date for application reception

COORDINATORS:

Prof. Amit Gawade
Prof. Dhanraj Walunj

Profile of the Institute

Vision: To become center of excellence in Engineering education and research.

Mission: To educate students to become quality technocrats for taking up challenges in all facets of life.

About College:

Saraswati College of Engineering is a premier engineering institution, established in 2004 and since then the college has been growing leaps and bounds. Long term planning, meaningful administration and a dedicated and experienced work force, a fully fledged library and well equipped laboratories are few of our strong points which are worth mentioning. Devoted and dedicated effort of faculties' member in shaping young engineers has enabled this institution to carve respectable place for itself in the state of Maharashtra.



SARASWATI Education Society's

SARASWATI College of Engineering

Under the Vision and Conceptual

Design for the Year - 2011

ISTE and CSI Approved

STIP

on

“Big Data Analysis
Using Hadoop”

(In association with ISTE & CSI)

29 May 2017 to 02 June 2017

10.00 AM to 05.00 PM

Organized By

DEPARTMENT OF
COMPUTER ENGINEERING

Saraswati Education Society's
Saraswati College of Engineering

Plot No. 46/46A, Sector-5,

Behind MSEB Substation

Navi Mumbai 410210



PROGRAMME CONTENTS: -

1. Big Data Overview
2. Big Data Solutions
3. Environment Setup
4. HDFS Overview
5. HDFS Operations
6. MapReduce
7. Streaming

HANDS ON

- 1 installation of hadoop and basic commands
- 2 pig scripting
- A. Hello world program
- B. Word count program
- C. Design n implementation of any algorithm
- Eg. Apriori algorithm
- 3. Map reduce programming
- A. Word count



REGISTRATION FEE DETAILS:

For ISTE & CSI members: Rs 2000/-
Academia/Research Scholars: Rs 2,500/-
Industry Delegates: Rs 3,000/-

"Payment should be only through DD in favor of "The Principal, Saraswati College of Engineering , Kharghar ", Payable at "Navi Mumbai" drawn at Bank

Guest Speaker
Prof. Likhesh Kolhe,
Terna Engineering College, Nerul

RESOURCE PERSONS

Professionals from reputed institutions and IT software industries will conduct the sessions

PREREQUISITES

Participant should have a basic knowledge of C, C++, Java, SQL and networking infrastructure.



SITP on "Big Data Analysis Using Hadoop"

Registration Form

Full Name: _____

Institute: _____

Mailing Address: _____

Tel. No: _____

E-Mail: _____

Enclosed Cheque / DD

No.: _____

Dated ___/___/___

I agree to abide by rules and regulations governing the above program.

Date:

Signature of applicant



SARASWATI EDUCATION SOCIETY'S

SARASWATI COLLEGE OF ENGINEERING

Plot No. 46/45 A, Sector No. 5, Behind M.S.E.B. Sub Station, Kharghar - 410 210.

I. O. U. No. _____


I O U

Date: 26 / 04 / 2017

	Rs.	Ps.
Paid to: <u>Amit Gawade</u>	5000	00
by Cash / Cheque No. _____		
Reason: <u>Faculty Development program</u>	}	
<u>[STIP]</u>		
Rs. <u>Five Thousand only</u> TOTAL	5000	


Sanctioned by

Accountant


Receiver's Signature

Note: To be settled within 10th days or else the same will be treated as a Salary Advance and adjusted against Salary for the same month.



SARASWATI EDUCATION SOCIETY'S
SARASWATI COLLEGE OF ENGINEERING
KHARGHAR, NAVI MUMBAI-410210

VOUCHER

A/C Code No. _____

Date: 30/5/2017

Debited To (Ledger No.) _____

Paid to:	Rs.	Ps.
Prof. Likhesh Kolhe		
By Cash/ Cheque No: By cash		
On account of Faculty Development prog.		
short term Training prog.	5000/-	00
on Big Data Analytics using Hadoop.		
Rs. Five Thousand only	Total	5000 00

H.O.D

Principal

Accountant

Approved By

Received By

1. 2019-2020
 2. 2020-2021
 3. 2021-2022
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Computer Engineering Department

FEEDBACK FORM-2016-2017

Recourse Person : Likesh Kolhe

STTP: Big Data analytics
Date: 29 May to 2 June 2017

A - Strongly Agree B - Agree C - Neutral D - Disagree

Sr No.	Details	A	B	C	D
1	The training met my expectation		✓		
2	The training objective for each topic were identified and followed		✓		
3	The trainer was knowledgeable		✓		
4	Class participation and interaction were encouraged	✓			
5	Adequate time was provided for questions and discussion		✓		

College

Plot No. 46, Sector 5, Behind MSEB Sub-Station, Near Utaw Chowk, Kharghar, Navi Mumbai - 410 210, Maharashtra

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Saraswati Education Society, Institute

Approved by M.T. Raig. by Maharashtra Govt. (DTE) Affiliated to Mumbai University.

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Dear Prof. Likhesh Kolhe,

We would like to take this opportunity to express my gratitude for accepting our invitation and conduction of Short Term Training program for the subject "Data Analysis using Hadoop" in Saraswati College of Engineering, Kharghar. The entire organizing committee as well as staff has asked me to convey their appreciation for your fabulous participation and valuable guidance to all the staff.

The efforts that you took to be part of the Short Term Training program are worth appreciating. You took time out of your busy schedule and made yourself available on a very short notice. The presentation of your Subject Knowledge and exploring it was good and showed your knowledge in the field of Data Analysis Using Hadoop.

Thank you once again. Looking forward to listen to you on various workshops and Lectures related to Data Analysis using Hadoop.

Bharti
30/5/17

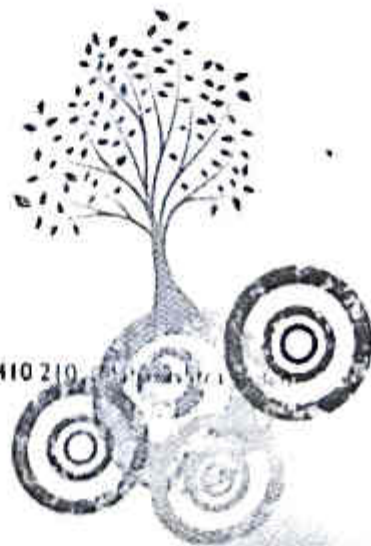
Dr. Bharti Joshi

HOD

Manjusha

Dr. Manjusha Deshmukh

Principal





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Department of Computer Engineering

Report on STTP “Big Data Analysis using Hadoop”

Speaker: Prof. Likhesh Kolhe, Terna Engineering College.

No of Participants: 18

Date of Conduct: 29 May 2017 to 2 June 2017.

About Hadoop:

- Hadoop is an open-source framework that allows to store and process big data in a distributed environment across clusters of computers using simple programming models.
- It is designed to scale up from single servers to thousands of machines, each offering local computation and storage.
- The core of Apache Hadoop consists of a storage part, known as Hadoop Distributed File System (HDFS), and a processing part called MapReduce. Hadoop splits files into large blocks and distributes them across nodes in a cluster. To process data, Hadoop transfers packaged code for nodes to process in parallel based on the data that needs to be processed.

Add-on:

- Using the information kept in the social network like Facebook, the marketing agencies are learning about the response for their campaigns, promotions, and other advertising mediums.
- In Syllabus only single node architecture is present to learn multi node architecture there is need of workshop.

Objectives:

- At the end of the course students will learn:
- What is big data
- Installation hadoop on ubuntu.
- The basics of Hadoop , Mapreduce
- The basics of Analytics – Concepts , Data preparation – merging, managing missing numbers sampling , Data visualisation, Basic statistics
- Lots of practise to ensure that we are very comfortable handling an Analytics project on Big Data

Outcome:

In this workshop Participants learned about:

- Big data concepts.
- How install Hadoop on Ubuntu.
- How to Manage HDFS.
- Execution of Map Reduce.
- Data streaming on Hadoop
- Project development by using Hadoop

Syllabus covered:

Hadoop:

1. **Big Data Overview**
 - What is Big Data?
 - Benefits of Big Data
 - Big Data Technologies
2. **Big Data Solutions**
 - Traditional Approach
 - Hadoop Architecture
 - MapReduce
 - Hadoop Distributed File System
 - How Does Hadoop Work?
3. **Environment Setup**
 - Preinstallation Setup
 - SSH Setup and Key Generation
 - Installing Java

- • Downloading Hadoop
- • Hadoop Operation Modes
- • Installing Hadoop in Standalone Mode
- • Installing Hadoop in Pseudo Distributed Mode
- • Verifying Hadoop Installation

4. HDFS Overview

- • Features of HDFS
- • HDFS Architecture
- • Goals of HDFS

5. HDFS Operations

- • Starting HDFS
- • Listing Files in HDFS
- • Inserting Data into HDFS
- • Retrieving Data from HDFS
- • Shutting Down the HDFS
- • Hadoop Commands

6. MapReduce

- • What is MapReduce?
- • Inputs and Outputs (Java Perspective)
- • Compilation and Execution of Process Units Program
- • Important Commands
- • How to Interact with MapReduce Jobs

7. Streaming

- • Mapper and Reducer
- • Examples using Python
- • How streaming works

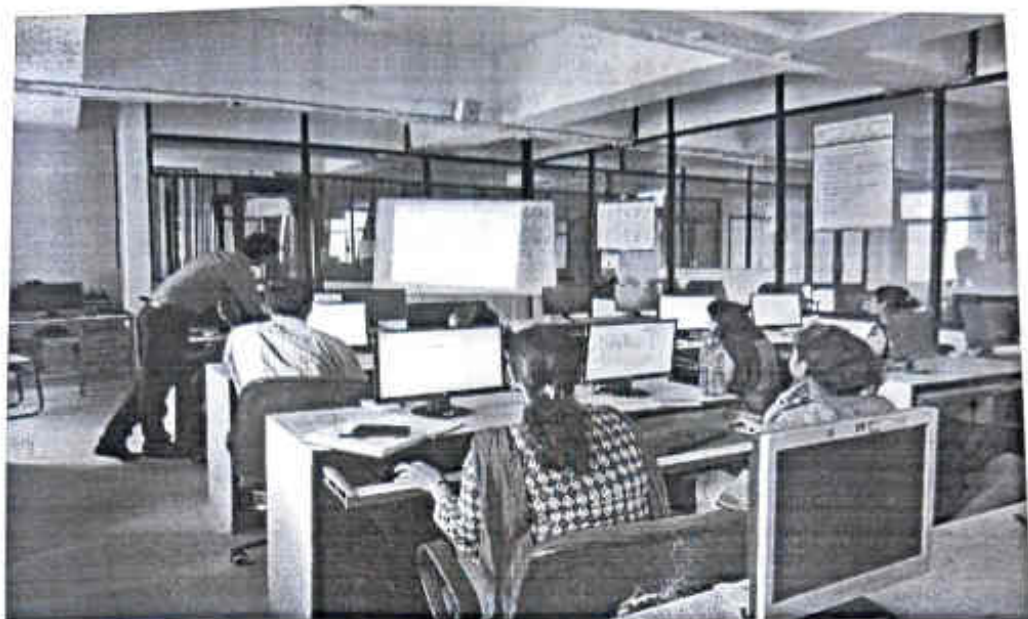
Hands on


- 1 installation of hadoop and basic commands
- 2 pig scripting
 - A. Hello world program
 - B. Word count program
 - C. Design n implementation of any algorithm
 - Eg. Apriori algorithm
- 3. Map reduce programming
 - A. Word count

- B. Matrix multiplication
- 4. Data visualization/ Analysis

Photos:






Prof. Amit Gawade
STTP Coordinator


Dr. Bharti Joshi
Head of Department



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“STTP on Big Data Analysis using Hadoop”

This is to certify that Mr / Ms Madhuri Dalal from
Saraswati College of Engineering, Kharghar, Navi Mumbai, has successfully completed Short Term
Training Program from 29th May 2017 to 2nd June 2017 at Saraswati College of Engineering, Navi
Mumbai.

HOD COMP

Principal



REPORT

Faculty Development Program

On

Ansys Workbench

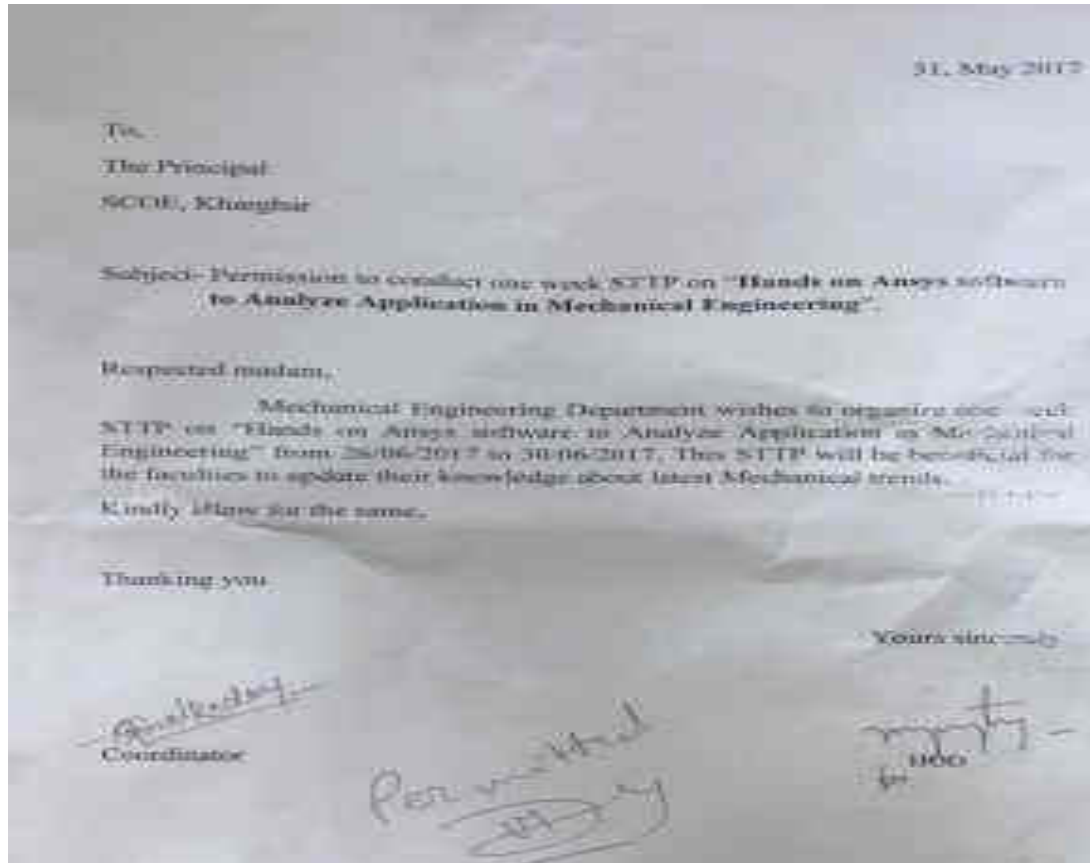
Organized By

**DEPARTMENT OF MECHANICAL
ENGINEERING**

Dated: 26th June to 30th June 2017

Programme Time: 9:30AM To 4:30 PM

Speaker: Mr.Sudesh Sonawane



**Report Short Term Training Program (STTP) on
"Hands on ANSYS Software to Analyze Applications in Mechanical
Engineering"**

Organizing Department: Mechanical Engineering Department

Date: June 26-30, 2017

This training program provided hands on ANSYS software along with structural, thermal and fluid applications.

<p>BILLBOARD STTP-17</p> <p>Observe the activities following the structure specifications for "Hands on ANSYS Software to Analyze Applications in Mechanical Engineering" 26th - 30th June, 2017</p> <p>Roll No: _____ Signature: _____ Date: _____ Department: _____ Faculty/Supervisor: _____ Institution: _____</p> <p>Phone No: _____ Email: _____</p> <p>Approved (Signatures of the Faculty/Supervisor & Head of the Department of Mechanical Engineering)</p> <p>Signature of "Head In-charge" of the Department</p> <p>Signature of the Institute Head</p>	<p>CHIEF PATRON Hon. Mr. Yashraj P. Potdar President, SCOE</p> <p>PATRON Mr. Manojendra Deshpande Principal, SCOE</p> <p>CONVENOR Dr. S. N. Gadgil Honorary Faculty, SCOE (Date: 26/06/2017)</p> <p>Dr. Parvati Shilpaje Professor & HOD, SCOE, Dept. Mr. S. S. Kulkarni HOD, SCOE Dept. Mech. Engrg.</p> <p>ORGANIZING COMMITTEE Mr. Anilraj Bhatnagar Mr. Mihir Bhatnagar Mr. Pravin Bhatnagar Mr. Parag Bhatnagar Mr. Manojendra Deshpande Mr. Ganesh Joshi Mr. Dhanraj S. Mr. Jyoti Bhatnagar Mr. Anil Bhatnagar</p> <p>EXPERTS From Industries, Faculty of related Department in the Field</p>	<p>SCOE SARASWATI College of Engineering Navi Mumbai</p> <p>Established in 1983 under the patronage of Saraswati Education Society</p> <p>SITE Approval SCOE, Navi Mumbai</p> <p>"Hands on ANSYS Software to Analyze Applications in Mechanical Engineering" 26th - 30th June, 2017</p> <p>Co-ordinator Dr. Manojendra Deshpande Mr. Anil Bhatnagar</p> <p>Organized by Department of Mechanical Engineering Saraswati College of Engineering, Kharghar, Navi Mumbai-410210.</p> <p>Head of Department Dr. Manojendra Deshpande</p>
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DETAILS OF THE PROGRAM

Organized By: Department of Mechanical Engineering

Conducted By: Mechanical Engineering

Conducted for Participants: Faculties from the Department Of Mechanical Engineering

Software Used: ANSYS Workbench

Venue: Computer PG Lab, 1st Floor, Department of Mechanical Engineering



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Syllabus

1. Understanding the Basics of FEA
2. Introduction to ANSYS Workbench
3. Introduction to Engineering Data
4. Introduction to ANSYS Space Claim
5. Introduction to ANSYS Mechanical Moeller
6. Introduction to Static Structural Analysis
7. Introduction to Transient Structural Analysis
8. Introduction to Explicit Dynamics Analysis.

Division of Syllabus for the Programme

DATES	SYLLABUS COMPLETED
DAY 1 : 26th JUNE 2021	Chapter 1 & Chapter 2
DAY 2 : 27th JUNE 2021	Chapter 3 & Chapter 4
DAY 3 : 28th JUNE 2021	Chapter 5 & Chapter 6
DAY 4 : 29th JUNE 2021	Chapter 7
DAY 5 : 30th JUNE 2021	Chapter 8

PHOTOS DURING ANSYS TRAINING



Attendance Sheet:

"Hands on ANSYS Software to Analyze Applications in Mechanical Engineering"

Date: June 26-30, 2017

Sr No.	Name of the Participants
1	Dr. Fauria S.
2	Prof S.N. Teli
3	Prof Madakar S.
4	Prof Madam J.
5	Prof Abhijeet R.
6	Prof Geeta K.
7	Prof Ganesh J.
8	Prof Mitali M.
9	Prof Prasanna R.
10	Prof Vinayak S.
11	Prof Paramjit, T.
12	Prof Mugdha D.
13	Prof Amit C.
14	Prof Amal B.
15	Prof Amal K.
16	Prof Ashish B.
17	Prof Ihavara
18	Prof Dinesh P.
19	Prof Ekta J.
20	Prof Nilesh C.
21	Prof Rakesh S.
22	Prof Sachin S.
23	Prof Sandeep J.
24	Prof Suhas J.
25	Prof Vishal B.
26	Prof Vishal B.
27	Prof Yogesh D.

Summary:

Department of Mechanical Engineering organized a Five days' workshop on ANSYS. About 23 staff from the Department of Mechanical Engineering participated in the software training programmed. The Lessons were simple and easy to understand. Hands on Training session was indeed a great experience to all the participants. The theory sessions were handled by experts from CADD Center.


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