


Gokhale Education Society's
R.H. Sapat College of Engineering, Management Studies & Research, Nashik

Training Programs organized in the Institute by the Departments (A.Y. 19-19 to A. Y. 22-23)

Sr. No.	Name of the Training Program Organized	Organizing Department	Dates	No of Participants
1	Finite Element Analysis of structure by using FEAST software	Civil	28/06/18 to 29/06/18	12
2	Teachers Oriented Programmes (TOPs)	Computer	5/10/219 to 15/5/19	15
3	Staff training Program from future chip technologies Pune	ENTC	27/4/22	7
4	Skill Building Program on Arduino	ENTC	20/08/19 to 22/08/19	3
5	PCB Design and Fabrication	ENTC	23/08/19 to 24/08/19	3
6	Two day State Level Workshop on Renewable Energy Systems: Design and Challenges	Electrical	09/08/19 to 10/08/19	50
7	Two day National Level Seminar on Energy Storage Systems: Design and Challenges	Electrical	24/01/20 to 25/01/20	70

8	Urban Flood Risk Mitigation and Management 5 Day faculty Development Program	Civil	14-11-2022 to 18-11-2022	110
9	Ansys Maxwell: Tools & Research	Electrical	11-04-2023 to 13-04-2023	39
10	One day workshop on Research Methodology.	Computer	18-06-2022 to 18-06-2022	45
11	An Induction Program for FYMCA 22-23	MCA	17-11-2022 to 19-11-2022	58
12	Webinar on Fun working with Agile	MCA	24-09-2022 to 24-09-2022	55
13	Hands on W/s on "Advanced Excel"	Science	08/04/23 & 29/04/23	40
14	Training Program on SCADA, iFIX, & DCS Software	Electrical	11/10/22 & 19/10/22	6




PRINCIPAL
 G.E.S.'s R.H. Sapat Collage of Engg.,
 Mgt. Studies & Research
 Prin. T.A. Kulkarni Vidya Nagar, Nashik-5.

SAMPLE PROOFS
(Departmental Training Programs)

Date: 18-08-2019







Notice

Staff training for workshops

Training presents a prime opportunity to expand the knowledge base of staff members, training and development centering to students provides both the individual and organizations as a whole with benefits that make the cost and time a worthwhile investment. The return on investment from training and development of employees is really justifiable

Therefore it has been informed to all team leader, domain expert staff members to first train your staff team members and prepare the execution summary. You have been also asked to go through complete hands-on training 3days before commencement of the workshop

Schedule for staff training

Sr. No.	Date	Title	Training by	Beneficiary	Sign
1	20 nd to 22 th Aug 2019	Skill building program on Arduino	Prof. Shimpi R J	Prof. Lokhande P D Prof. Raut D M Prof. Mrs. Deole M S	  
2	23 rd to 24 th Aug 2019	PCB Design and fabrication	Prof. Raut D M	Prof. Karad K V Prof. Rakshi S M Mr. Vaidya C K	  



(Dr. S. P. Agnihotri)

HOD, E&TC

**A Two Day Workshop on
"Renewable Energy Systems: Design and
Challenges"**

**DEPT OF EE, RHSCOEMSR, Nashik
(August 09-10, 2019)**

REGISTRATION FORM

*(Please fill this form and send a scan copy to email id:
rhscoc.ee@gmail.com)*

Online Form : <https://forms.gle/txZyz554EsxKLymC6>

Name of the Faculty :

Designation and Department :

Name of the Institution :

Address :

Mobile No :

Email :

Particulars of the Cash / DD :
(Name of the bank, Date)

Signature of the Applicant

*Dr/Mr/Mrs _____ is a
faculty of our institute and is sponsored to attend the two
day workshop on "Renewable Energy Systems: Design
and Challenges" at GES's R H Sapat College of
Engineering, Management Studies and Research,
Nashik.*

Signature of Principal with Institute Seal

Chief Patron

Sir Dr M S Gosavi

Secretary & Director General,
Gokhale Education Society

Patrons

Prof P M Deshpande

Mr S M Gosavi

Dr P C Kulkarni

Director (P), G E Society

Director (E & M), G E Society

Principal, R.H.S.C.O.E

Advisory Members

Dr B E Kushare

Dr G M Dhole

Dr J B Helonde

Mr M K Chaudhari

Dr S P Agnihotri

Dr N D Chaudhari

Dr D V Patil

Dr P B Nehe

Chairman, BoS(Electrical), SPPU

Professor, Dept of Elect. Engg

HOD, Dept of First Year

HOD, Dept of Electrical Engg

HOD, Dept of E&TC Engg

HOD, Dept of Civil Engg

HOD, Dept of Computer Engg

HOD, Dept of Mechanical Engg

Coordinators

Dr R V S Ramkrishna

Dr D M Sonje

Dept of Electrical Engg

Dept of Electrical Engg

Organizing Committee

Mr M K Chaudhari

HOD, EE

Dr Atul Koshti

Mr N S Pande

Mr M U Shetty

Mr M V Reddy

Mr H B Wagh

Mrs M P Deshpande

Mr S V Chakor

Mr D G Pagar

Dr Nirmalya Sen

Mrs S G Khadilkar

Mr V R Naphade

Mr S P Koparkar

Mrs R S Tidke

Mr S K Mahajan

Mr V S Meshram

Contact

Dr R V S Ramkrishna

Ph : 9145766575

Email: rk_nedes@yahoo.co.in

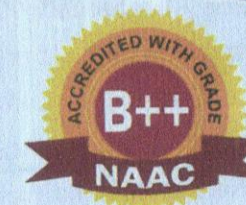
Dr D M Sonje

Ph : 9922371235

Email: deepaksonje123@gmail.com



**A Two Day Workshop on
"Renewable Energy Systems:
Design and Challenges"
(Aug 09-10, 2019)**



Organized by

DEPARTMENT OF ELECTRICAL ENGINEERING

**Gokhale Education Society's
R.H.Sapat College of Engineering,
Management Studies and Research**

**Accredited by NAAC with Grade B++
ISO 9001:2015 Certified**

Principal T A Kulkarni Vidyanagar, Nashik 422005

website : <https://ges-coengg.org>

About Gokhale Education Society

Gokhale Education Society was founded on 19th February 1918, on the third death anniversary of Namdar Gopal Krishna Gokhale, by his illustrious disciple late Principal T.A. Kulkarni, who was a great social worker and eminent educationist. The society has completed 101 years of useful existence and has today more than 140 institutes. With 1.25 lakh pupils and 4,000 staff, it is one of the oldest and pioneering educational institutions established with the main objective of developing quality citizens through education and training.

About the College

GES's R. H. Sapat College of Engineering, Management Studies and Research, Nashik was established in 2009 and is affiliated to SPPU, Pune. The institute has a vision of imparting "Value Embedded Quality Technical Education" at an affordable cost. At present, the institute offers five UG courses (in Computer, Electrical, Electronics and Telecommunication, Mechanical and Civil Engineering) and five PG courses (in Computer, Power Electronics & Drives, Digital Systems, Mechanical Engineering Design and MCA). The total intake of the students is 480 at UG level and 156 at PG level.

About the Department

The department of Electrical Engineering is well equipped with the state of the art laboratories, several high-end equipment (hardware and software) and qualified faculty members.

Some of the salient features of the department are

- ✓ Strong Industry Institute Interaction Activity (ICUBE)
- ✓ Presence of MATLAB, Microlab dSPACE, Ansys MAXWELL, NI-DAQ Card & other high end facilities
- ✓ 06 Ph.D completed faculty members
- ✓ Excellent Placement Record
- ✓ Student involvement in product development and consultancy activities.

About the Workshop

To meet the global shortage of power and depleting fossil fuel resources, exploration of alternate power sources is highly desirable. The Ministry of Renewable energy, Government of India has a mission to make India's economic development energy-efficient by means of a graduated shift to renewable sources of energy. However, renewable technologies are mostly weather dependent and challenges exist in their integration into the grid. The objective of the workshop is to expose the participants to these challenges and offer a platform for discussion of solutions and identify research opportunities.

Resource Persons

Dr B E Kushare	K.K.W.I.E.E.R, Nashik
Dr A K Panchal	S.V.N.I.T, Surat
Dr P B Darji	S.V.N.I.T, Surat
Dr Manoj Rathi	Research Center for Sustainable Solution, Nashik
Dr Manoj Tarambale	M.M.C.O.E, Pune
Dr G M Dhole	R.H.S.C.O.E, Nashik
Dr Atul Koshti	R.H.S.C.O.E, Nashik

Registration Fee

For Faculty	: Rs 1,000
For Industry Persons	: Rs 2,500
For PG Students & Research Scholars	: Rs 500

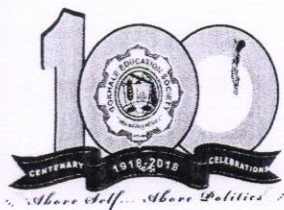
Registration amount can be paid in either way

1. A crossed DD in favor of 'Gokhale Education Societys College of Engineering' payable at Nashik
2. Online (in the following account)
Beneficiary Name: GES College of Engineering
A/c No : 60024823351
Bank Name : Bank of Maharashtra
Branch : College Campus Nashik
IFSC Code : MAHB0000214
3. By Cash at the time of Registration on 09/08/19

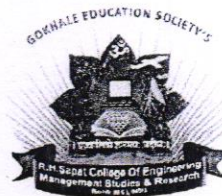
(Please note the registration fee includes the inauguration kit, breakfast, snacks and lunch on both the days.)

Session Details

Day 1	Day 2
09.00 – 10.00 AM : Registration & Inauguration	09.00 – 10.00 AM : Breakfast and Tea
10.00 – 11.00 AM : Renewable Sources: Perspectives	10.00 – 11.30 AM: Design of Residential Photovoltaic Systems
11.00 – 01.00 PM : Power Electronics for Wind Turbines	11.30 – 01.00 PM : Batteries and Ultra Capacitors
02.00 – 03.30 PM : Micro-grid: Architecture, Control & Protection	02.00 – 03.30 PM : Overview of MPPT Techniques
03.30 – 05.00 PM : Hands On Session on ANSYS / dSPACE	03.30 – 05.00 PM : MATLAB Session on MPPT followed by Valedictory Function



Gokhale Education Society's
**R. H. Sapat College of Engineering, Management
Studies & Research, Nashik**
(Accredited by NAAC with B++ Grade)



DEPARTMENT OF ELECTRICAL ENGINEERING
Two Days Workshop on
“Renewable Energy Systems: Design and Challenges”
(August 09-10, 2019)

Chief Patron

Sir Dr M S Gosavi

Secretary and
Director General,
Gokhale Education Society

Patrons

Prof P M Deshpande

Director (P), G E Society

Mr S M Gosavi

Director (E), G E Society

Dr P C Kulkarni

Principal, RHSCOE

Advisory Members

Dr B E Kushare

Dr G M Dhole

Dr J B Helonde

Mr M K Chaudhari

Dr S P Agnihotri

Dr N D Chaudhari

Dr D V Patil

Dr P B Nehe

Coordinators

Dr R V S Ramkrishna

Dr D M Sonje

To

Subject: Invitation for the Two Days Workshop on “Renewable
Energy Systems: Design and Challenges”

Dear Sir / Madam,

I am glad to inform you that the department of Electrical Engineering at R.H.Sapat College of Engineering, Management Studies and Research, Nashik is organizing a two day workshop on “Renewable Energy Systems: Design and Challenges” for the benefit of teaching faculty, PG students and research scholars on August 09-10, 2019.

The main objective of the two day workshop is to provide the participants with the latest and state-of-the-art advances in the field of renewable energy systems and explore research opportunities in this field.

The brochure of the workshop is attached along with.

You are requested to kindly intimate all faculty members, PG students and research scholars of your institution regarding this workshop.

Dr P C Kulkarni
Principal
R H Sapat College of Engg

GOKHALE EDUCATION SOC'S
R. H. SAPAT COLLEGE OF ENGINEERING, MANAGEMENT STUDIES
& RESEARCH NASHIK.

DEPARTMENT OF ELECTRICAL ENGINEERING

10/8/19

Renewable Energy system: Design and Challenges

Sr. no	Name of Candidate	First session	Second session	Third session
1	M. V. REDDY	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>
2	Sanjay M. Pawar	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>
3	More Yogita B.	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>
4	Mr. Dhananjay K. Lakhe	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>
5	Ms. Shradha B. Pund	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>
6	Ms. Tejashree M. Kadam	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>
7	S.S. Deshmukh	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>
8	MR. D.R. Bhise	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>
9	Mr. C.R. Shinde	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>
10	Mr. P.R. Dhabe	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>
11	Ms. Shruti Jogekar	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>
12	Ms. Meghana Rajole	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>
13	Ms. Urnila Mathur	<u>[Signature]</u>		
14	Mr. Chobe Pooja S.	<u>[Signature]</u>		
15	Kalpesh S. Boose	<u>[Signature]</u>		
16	H. B. Wagh	<u>[Signature]</u>		
17	Sameer P. Gijawathi	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>

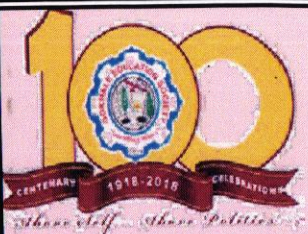
GOKHALE EDUCATION SOC'S
R. H. SAPAT COLLEGE OF ENGINEERING, MANAGEMENT STUDIES
& RESEARCH NASHIK.

DEPARTMENT OF ELECTRICAL ENGINEERING

Renewable Energy system: Design and Challenges

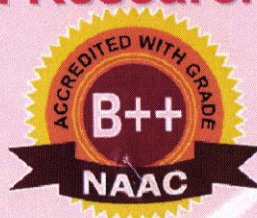
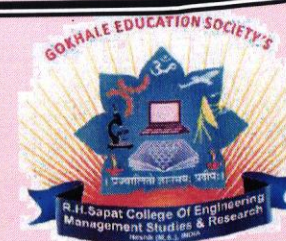
.09/08/2019

Sr. no	Name of Candidate	First session	Second session	Third session
01	Ms. Shradha B. Pund	<u>ISB. Pund</u>	<u>ISB. Pund</u>	<u>ISB. Pund</u>
02	Mr. Dhananjay K. Lakhe	<u>Chelav</u>	<u>Chelav</u>	<u>Chelav</u>
03	Ms. Tejashree M. Kadam	<u>Mcadany</u>	<u>Mcadany</u>	<u>Mcadany</u>
04	Ms. Shruti R. Jogekar	<u>Sodekar</u>	<u>Sodekar</u>	<u>Sodekar</u>
05	Ms. Urmila M. Mathure	<u>remila</u>	<u>remila</u>	<u>remila</u>
06	Ms. chobe pooja S.	<u>chobe</u>	<u>chobe</u>	<u>chobe</u>
07	Mr. Sanjay M. Pawar	<u>Pawar</u>	<u>Pawar</u>	<u>Pawar</u>
08	Mr. Payar Sahabrao B.	<u>Payar</u>	<u>Payar</u>	<u>Payar</u>
09	Dr. Pravin P. Joshi	<u>Joshi</u>	<u>Joshi</u>	<u>Joshi</u>
10	Mr. D.R. Bhise	<u>Bhise</u>	<u>Bhise</u>	<u>Bhise</u>
11	Mr. C.R. Shinde	<u>Shinde</u>	<u>Shinde</u>	<u>Shinde</u>
12	S.S. Deshmukh	<u>Deshmukh</u>	<u>Deshmukh</u>	<u>Deshmukh</u>
13	SA Koparkar	<u>Koparkar</u>	<u>Koparkar</u>	<u>Koparkar</u>
14	M.U. Shel	<u>Shel</u>	<u>Shel</u>	<u>Shel</u>
15	Dr. J.B. Helonde	<u>Helonde</u>	<u>Helonde</u>	<u>Helonde</u>
16	Prof. P. R. Dhabe	<u>Dhabe</u>	<u>Dhabe</u>	<u>Dhabe</u>
17	Mr. Sameer Gujarathi	<u>Gujarathi</u>	<u>Gujarathi</u>	<u>Gujarathi</u>



Gokhale Education Society's

**R. H. Sapat College of Engineering, Management Studies
and Research, Nashik**

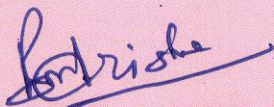


DEPARTMENT OF ELECTRICAL ENGINEERING

**Two Day Workshop on
'Renewable Energy Systems: Design and Challenges'
(09th & 10th August, 2019)**

CERTIFICATE OF PARTICIPATION

This is to certify that Dr/Mr/Ms _____ of
_____ participated in the two day workshop on "Renewable Energy
Systems: Design and Challenges" held during 09th and 10th August, 2019.


Dr R V S Ramkrishna
Dr D M Sonje
(Coordinator)

Prof M K Chaudhari
HOD, EE

Dr P C Kulkarni
Principal

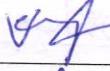
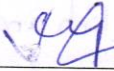
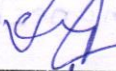
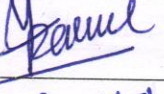
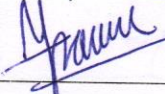

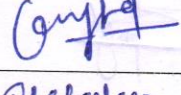
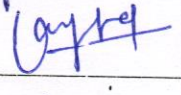
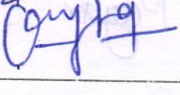
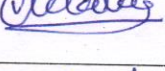
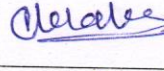
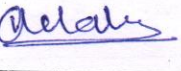
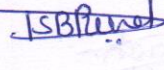

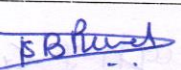
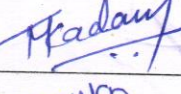
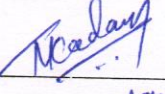
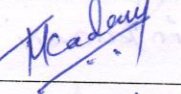
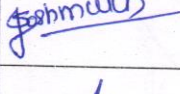
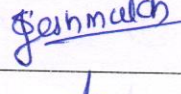
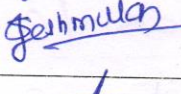

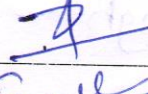
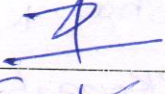
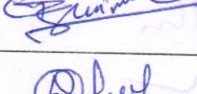
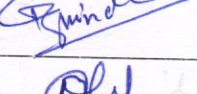
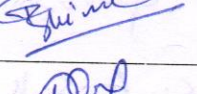
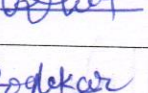
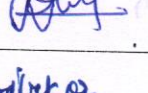
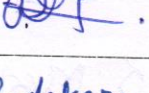
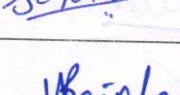
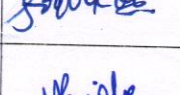
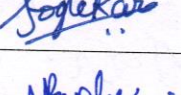
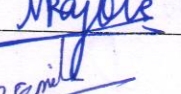
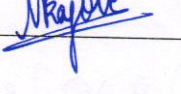

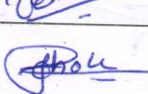
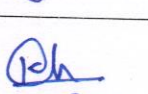



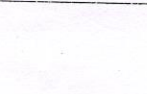
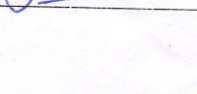
Prof P M Deshpande
Director (P)

GOKHALE EDUCATION SOC'S
R. H. SAPAT COLLEGE OF ENGINEERING, MANAGEMENT STUDIES
& RESEARCH NASHIK.

DEPARTMENT OF ELECTRICAL ENGINEERING

10/8/19

Renewable Energy system: Design and Challenges

Sr. no	Name of Candidate	First session	Second session	Third session
1	M. V. REDDY			
2	Sanjay M. Pawar			
3	More Yogita B.			
4	Mr. Dhananjay K. Lakhe			
5	Ms. Shradha B. Pund			
6	Ms. Tejashree M. Kadam			
7	S.S. Deshmukh			
8	MR. D.R. Bhise			
9	Mr. C.R. Shinde			
10	Mr. P.R. Dhabe			
11	Ms. Shruti Jogekar			
12	Ms. Meghana Rajole			
13	Ms. Urnila Mathur			
14	Mr. Chobe Pooja S.			
15	Kalpesh S. Boose			
16	H. B. Wagh			
17	Sameer P. Gijawathi			

DEPARTMENT OF ELECTRICAL ENGINEERING

[illegible]

SPPU, Pune Sponsored
Two Day National Level Seminar on
"ENERGY STORAGE SYSTEMS: DESIGN
AND CHALLENGES"

DEPT OF EE, RHSCOEMSR, Nashik
(January 24-25, 2020)

REGISTRATION FORM

(Please fill this form and send a scan copy to email id:

rhscoe.ee@gmail.com)

Online Form : <https://forms.gle/txZyz554EsxKLymC6>

Name of the Faculty :

Designation and Department :

Name of the Institution :

Address :

Mobile No :

Email :

Particulars of the Cash / DD :
(Name of the bank, Date)

Signature of the Applicant

Dr/Mr/Mrs _____ is a
faculty of our institute and is sponsored to attend the two
day seminar on "Energy Storage Systems: Design and
Challenges" at GES's R H Sapat College of Engineering,
Management Studies and Research, Nashik.

Signature of Principal with Institute Seal

Chief Patron

Sir Dr M S Gosavi

Secretary & Director General,
Gokhale Education Society

Patrons

Prof P M Deshpande

Mr S M Gosavi

Dr P C Kulkarni

Director (P), G E Society

Director (E & M), G E Society

Principal, R.H.S.C.O.E

Advisory Members

Dr B E Kushare

Dr A K Panchal

Dr P B Darji

Dr O G Kulkarni

Dr S P Agnihotri

Dr N D Chaudhari

Dr D V Patil

Dr P B Nehe

Chairman, BoS(Electrical), SPPU

SVNIT, Surat

SVNIT, Surat

Industrialist

HOD, Dept of E&TC Engg

HOD, Dept of Civil Engg

HOD, Dept of Computer Engg

HOD, Dept of Mechanical Engg

Coordinator

Dr D M Sonje

Dr R V S Ramkrishna

Dept of Electrical Engg

Dept of Electrical Engg

Organizing Committee

Dr G M Dhole

Mr M K Chaudhari

Mrs S G Khadiilkar

Mr N S Pande

Mr M U Shetty

Mr V R Naphade

Mr S P Koparkar

Mr S K Mahajan

Mr V S Meshram

Dr J B Helonde

Dr Atul Koshti

Dr Nirmalya Sen

Mrs M P Deshpande

Mr M V Reddy

Mr H B Wagh

Mrs R S Tidke

Mr S V Chakor

Ms Gayatri Gadge

Contact

Dr D M Sonje

Ph : 9922371235

Email: deepaksonje123@gmail.com

Dr R V S Ramkrishna

Ph: 9145766575

Email: rk_nedes@yahoo.co.in



Gokhale Education Society's

R.H.Sapat College of Engineering, Management
Studies and Research

(Accredited by NAAC with Grade B++)

Principal T A Kulkarni Vidyanagar, Nashik 422005



DEPARTMENT OF ELECTRICAL ENGINEERING

Organizes

A Two Day National Level Seminar on
"ENERGY STORAGE SYSTEMS:
DESIGN AND CHALLENGES"

(Jan 24-25, 2020)



Under Aegis of

SAVITRIBAI PHULE PUNE UNIVERSITY,
PUNE (MAHARASHTRA)

website : <https://ges-coengg.org>

About Gokhale Education Society

Gokhale Education Society was founded on 19th February 1918, on the third death anniversary of Namdar Gopal Krishna Gokhale, by his illustrious disciple late Principal T.A. Kulkarni, who was a great social worker and eminent educationist. The society has completed 101 years of useful existence and has today more than 140 institutes. With 1.25 lakh pupils and 4,000 staff, it is one of the oldest and pioneering educational institutions established with the main objective of developing quality citizens through education and training.

About the College

GES's R. H. Sapat College of Engineering, Management Studies and Research, Nashik was established in 2009 and is affiliated to SPPU, Pune. The institute has a vision of imparting "Value Embedded Quality Technical Education" at an affordable cost. At present, the institute offers five UG courses (in Computer, Electrical, Electronics and Telecommunication, Mechanical and Civil Engineering) and five PG courses (in Computer, Power Electronics & Drives, Digital Systems, Mechanical Engineering Design and MCA).

About the Department

The department of Electrical Engineering is well equipped with the state of the art laboratories, several high-end equipment (hardware and software) and qualified faculty members. Some of the salient features of the department are Strong Industry Institute Interaction (ICUBE) Cell, high end research facilities including MATLAB, Microlab dSPACE, Ansys MAXWELL, NI-DAQ Card & other high end facilities, 06 Ph.D completed faculty members and very good placement record.

About the Workshop

Due to diminishing fossil fuels and concerns of carbon emissions, renewable and green energy sources are receiving increased priority. To enhance research interest in the renewables, the department had recently organized a two day workshop on *Renewable Energy Systems*. In line with the above program, the department is organizing the seminar on "Energy Storage Systems". For effective utilization of the available renewable energy potential, adequate energy storage systems are required. Energy storage systems are also needed for the success of electric transportation schemes. The seminar will facilitate discussion among the participants on the various issues of modern energy storage systems such as ultra capacitors, fuel cells, solar film and nano technology, battery management techniques and regulatory policies in battery design.

Resource Persons

Dr R K Nema	Professor, MANIT, Bhopal
Dr Suresh Gawre	MANIT, Bhopal
Dr M M Lokhande	VNIT, Nagpur
Dr A K Panchal	SVNIT, Surat
Dr M A Mulla	SVNIT, Surat
Dr Akhilesh Nimje	Nirma University, Ahmedabad
Dr B E Kushare	Chairman BoS, SPPU, Pune
Dr Manoj Rathi	RCSS, Nasik
Dr O G Kulkarni	Consultant, Industry Expert
Dr (Mrs) M D Deshpande	HPT College, Nasik
Dr A R Khalkar	RHSCOE, Nasik
Mr R P Deshpande	Consultant, Industry Expert
Mr Saurav Joshi	PDRL AeroHans, Nasik
Mr Nilesh Pawar	PDRL AeroHans, Nasik
Mr Stephen Pinto	Mahindra Automotives, Nasik
Mr Sunil Bhatkhande	Mahindra Automotives, Nasik

Registration Fee

For Faculty and PG Students	: Rs 500
For Industry Persons	: Rs 1,000

Registration amount can be paid in either way

1. A crossed DD in favor of 'Gokhale Education Society's College of Engineering' payable at Nashik
2. Online (in the following account)

Beneficiary Name: GES College of Engineering

A/c No : 60024823351

Bank Name : Bank of Maharashtra

Branch : College Campus Nashik

IFSC Code : MAHB0000214

3. By Cash at the time of Registration on 24/01/2020

(Please note the registration fee includes the inauguration kit, breakfast, snacks and lunch on both the days.)

Out of state participants will be provided accommodation (free of charge) and Travelling Allowance (along the shortest route).

Topics to be Covered

- ❖ Overview of Energy Storage Systems
- ❖ Battery Manufacturing and Recent Trends
- ❖ Battery Management Systems, Charging Techniques
- ❖ Ultra Capacitors
- ❖ Batteries for Electric Vehicles
- ❖ Regulatory Policies in Battery Design for Autonomous Vehicles
- ❖ Solar PV and Its Power Conditioning Unit
- ❖ Thin Film Solar Cells
- ❖ Graphene Based Material for Energy Storage
- ❖ Smart Microgrid
- ❖ Fuel Cells and Hydrogen Cells
- ❖ Smart Microgrid
- ❖ Load and Demand Side Management
- ❖ Role of Power Converters

Gokhale Education Society's

R H Sapat College of Engineering, Management Studies and Research, Nashik - 422 005

Department of Electrical Engineering

Two Days National Level Seminar on "Energy Storage Systems: Design and Challenges" [January 24 - 25, 2020]

Day 01

Category : SPPU UNIVERSITY

SN	NAME	Institute	Morning Session	Afternoon session
1	ANIL KUMAR PATHAK	AVCOE SANGAMNER	<i>[Signature]</i>	<i>[Signature]</i>
2	ANKIT SATISHKUMAR JAIN	BHUJBAL NASHIK	<i>[Signature]</i>	<i>[Signature]</i>
3	APOORVA KSHIRSAAR	AISSMSIOIT	<i>[Signature]</i>	<i>[Signature]</i>
4	ARINGALE NEHA ASHOK	R H SAPAT	<i>[Signature]</i>	<i>[Signature]</i>
5	CHAVAN VISHAKHA ANANDA	KVN NASIK	<i>[Signature]</i>	<i>[Signature]</i>
6	HEMANT R KULKARNI	SIEM NASHIK	ABSENT	ABSENT
7	ISHAN KAPADNIS	AISSMSIOIT	ABSENT	ABSENT
8	MANASI SHARAD SONAWANE	AISSMSIOIT	<i>[Signature]</i>	<i>[Signature]</i>
9	PANKAJ RAVINDRA GAJARE	SAPKAL NASHIK	ABSENT	ABSENT
10	POOJA B. KANDEKAR	MATOSHRI NASHIK	<i>[Signature]</i>	<i>[Signature]</i>
11	PRATIKSHA VAIBHAV MOHOD	SAPKAL NASHIK	<i>[Signature]</i>	<i>[Signature]</i>
12	RAM NAGNATH HAJARE	SANJIVANI KOPARGAON	<i>[Signature]</i>	<i>[Signature]</i>
13	RUPALI MILIND PATIL	KKW ENGG	<i>[Signature]</i>	<i>[Signature]</i>
14	SAGAR THOMBARE	MATOSHRI NASHIK	ABSENT	ABSENT
15	SHAIKH NADEEM BHAIMIYA	SVIT Nashik	ABSENT	ABSENT
16	SWATI RAHUL JADHAV	MATOSHRI NASHIK	<i>[Signature]</i>	<i>[Signature]</i>
17	TEJAS RAMESH BHANEGAONKAR	AVCOE SANGAMNER	<i>[Signature]</i>	<i>[Signature]</i>
18	TUSHAR P PANDHI	BHUJBAL NASHIK	<i>[Signature]</i>	<i>[Signature]</i>
19	VINITA VIJAY KARE	MATOSHRI NASHIK	<i>[Signature]</i>	<i>[Signature]</i>
20	GAURAV KULKARNI	GES POLY NASHIK	<i>[Signature]</i>	<i>[Signature]</i>
21	POOJA ANAP	BRAMHAVALLY COE	<i>[Signature]</i>	<i>[Signature]</i>
22	ARINGALE	BRAMHAVALLY COE	<i>[Signature]</i>	<i>[Signature]</i>

out of
Intr. →

Shaikh Nadeem

SVIT Nashik

Total within university = 16
(Non Internal)

G.E.S.'s R.H. Sapat College of
Mgt. Studies & Research
Prin. T.A. Kulkarni Vidya Nagar, Nashi-5



Gokhale Education Society's

R H Sapat College of Engineering, Management Studies and Research, Nashik - 422 005

Department of Electrical Engineering

Two Days National Level Seminar on "Energy Storage Systems: Design and Challenges" [January 24 - 25, 2020]

Day 01

Category : OUT OF UNIVERSITY

SN	NAME	Institute	Morning Session	Afternoon session
1	BHAGYASHREE DHANDE •	GCOEA AURANGABAD	B.Dhande	B.Dhande
2	DHANANJAY KRISHNARAO LAKHE •	KKW POLY	D.Lakhe	D.Lakhe
3	HARSHAD SARAF	ELECTRONIC TECHNIQUE	ABSENT	ABSENT
4	HARSHAL R. CHAUGHULE	SANDIP UNIV	ABSENT	ABSENT
5	HARSHAL RATAN SHELAR •	SANDIP UNIV	H.Shelar	H.Shelar
6	KADAM RAJASHREE SAHADEV	GGs POLY	K.Rajashree	K.Rajashree
7	KALPESH MADHAV MAHAJAN •	KCES JALGAON	K.Mahajan	K.Mahajan
8	KAUSTUBH PATIL	SIDDHI VINAYAK ENTERP	K.Patil	K.Patil
9	KIRAN BHIMRAO DHATRAK	KVN POLY	K.Bhatrak	K.Bhatrak
10	PARESH JAYCHAND SHAH	SSBT JALGAON	ABSENT	ABSENT
11	PRASHANT V THAKRE	SSBT JALGAON	ABSENT	ABSENT
12	SACHIN MURLIDHAR NATH •	KCES JALGAON	S.Nath	S.Nath
13	SANTOSH DESHPANDE	GILBERT MAXWELL	S.Deshpande	S.Deshpande
14	SHRADHA BHANUDAS PUND •	KKW POLY	S.Pund	S.Pund
15	SHYAM H. CHOUBE •	KATGARA POLY	S.Choube	S.Choube
16	SNEHAL SHARAD SAWANT •	VJTI MUMBAI	S.Sawant	S.Sawant
17	GANESH DEELIP USHIR •	MEGHPUSHP ENERGY TECH NASHIK	G.Ushir	G.Ushir
18	RAHUL JADHAV •	MUMBAI	R.Jadhav	R.Jadhav
19	PRAVIN PATIL	URJAYANT ENNG, PVT	P.Patil	P.Patil
20	VIVEK SAMLARE SAUNDANE	URJAYANT ENNG, PVT	V.Samlare	V.Samlare
	Gaurav Kulkarni	GES Poly, Nashik	G.Kulkarni	G.Kulkarni

Total Out of University (within state)
= 17

Principal
G.E.S.'s R.H.Sapat College of
Mgt. Studies & Research
Prin. T.A. Kulkarni Vidya Nagar, Nashi-5



Gokhale Education Society's

R H Sapat College of Engineering, Management Studies and Research, Nashik - 422 005

Department of Electrical Engineering

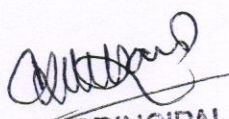
Two Days National Level Seminar on "Energy Storage Systems: Design and Challenges" [January 24 - 25, 2020]

Day-02

Category : OUT OF STATE

SN	NAME	Institute	Morning Session	Afternoon session
1	ABHISHEK DEVIDAS CHAUDHARI	SVNIT	Das	Das
2	AKSHAY J. PAWAR	SVNIT	Aj pawar	Aj pawar
3	B ANIL KUMAR	VAAGDEVI COE WARANGAL	A VK	A VK
4	CH. USHA SRI	VAAGDEVI COE WARANGAL	Jsh	Jsh
5	DURGA HARI KIRAN B	VAAGDEVI COE WARANGAL	Jai	Jai
6	GADHAVI PRADIPSINH A	GUJ ENERGY RESEARCH	ABSENT	ABSENT
7	JAYESH U KOTHAVADE	SVNIT	Bhethwade	Bhethwade
8	JITENDRA D PATIL	SVNIT	Jit	Jit
9	K PRAKASH CHARY	VAAGDEVI COE WARANGAL	Kan	Kan
10	KALASH SRIVASTAVA	SVNIT	Kalash	Kalash
11	M VISHNU PRASAD	VAAGDEVI COE WARANGAL	M. Vishnu	M. Vishnu
12	NIMESHKUMAR D PRAJAPATI	TOLANI POLY	ABSENT	ABSENT
13	PRAFUL KUMBHARE	SVNIT	Prfulk	Prfulk
14	PRASHANT KUMAR	SVNIT	Prashant	Prashant
15	QAYAMUL HAQUE	JADHAVPUR UNIV	Q. Haque	Q. Haque
16	SUBODH S. DEOLE	TECH MAHINDRA	ABSENT	ABSENT
17	VAIDEHI DESHPANDE	PDPU GANDHINAGAR	Vaidehi	Vaidehi
18	Dr. Y. Harshkumar	VAAGDEVI COE WARANGAL	Harshk	Harshk
19	Anish Tiwari	SVNIT Surat	Anish	Anish

Total Out of state participants = 16


PRINCIPAL
G.E.S.'s R.H. Sapat College of
Mgt. Studies & Research
Prin. T.A. Kulkarni Vidya Nagar, Nashi-5





Gokhale Education Society's
R. H. Sapat College of Engineering Management Studies & Research

Prin. T.A.Kulkarni Vidyanagar, College Road, Nashik -5

"Value Embedded Quality Technical Education"



Two Days National Level Seminar

on

"ENERGY STORAGE SYSTEMS: DESIGN AND CHALLENGES"

Sponsored by Savitribai Phule Pune University & organized by Department of Electrical Engineering

CERTIFICATE OF PARTICIPATION

This is to certify that Dr./Prof./Mr./Mrs./Ms.has attended Two Days National Level Seminar on "ENERGY STORAGE SYSTEMS: DESIGN AND CHALLENGES" organized by Department of Electrical Engineering, GES'S R. H. Sapat College of Engineering Management Studies & Research, Nashik during 24th-25th January 2020.

Dr. D.M.Sonje/Dr. R.V.S.Ramkrishna
Coordinator

Prof. M.K.Chadhari
Head of Department

Dr. P.C.Kulkarni
Principal

Prof. P.M.Deshpande
Director (P)

'Energy Storage Systems' seminar at RH Sapat College

National level seminar attended by 70 participants across country

**LOKMAT NEWS NETWORK
NASHIK, JAN 30**

A two-day national level seminar on "Energy Storage Systems: Design and Challenges" was organized by Gokhale Education Society's R H Sapat College of Engineering, Management Studies and Research, Nashik on January 24 and 25, 2020. The seminar was co-sponsored by Savitribai Phule Pune University and attended by nearly 70 participants across the country.

The seminar dealt with topics of current importance such as battery management, electric vehicles,



solar thin films and ultra-capacitors. The guest of honour of the inaugural function was Dr B E Kushare, Chairman (Board of Studies, Electrical) SPPU, Pune. The resource persons included experts from Maulana Azad National Institute of Technology, Bhopal,

Visvesvaraya National Institute of Technology, Nagpur; Nirma University, Ahmedabad and other prestigious institutions and industry. During the inaugural function, Sir Dr M S Gosavi, Secretary and Director General, Gokhale Education Society stressed on the importance of the

seminar as a means of learning, while the principal Dr P C Kulkarni addressed the participants and spoke about the importance of energy storage. Under the guidance of professor P M Deshpande, Director (P) and S M Gosavi, Director (E), Education

Society, the event was well coordinated by Dr D M Sonje and Dr R V S Ramkrishna from the electrical engineering department and received support from other faculty members including the HOD professor M K Chaudhari and industry coordinator professor M U Shetty.

Nashik First

सपट महाविद्यालयामध्ये 'एनर्जी स्टोअरेज'वर चर्चासत्र



प्रतिनिधी | नाशिक

गोखले एज्युकेशन सोसायटीच्या आर.एच.सपट महाविद्यालयातील विद्युत अभियांत्रिकी विभाग व सावित्रीबाई फुले विद्यापीठ यांच्या संयुक्त विद्यमाने 'एनर्जी स्टोअरेज सिस्टिम: डिझाइन अँड चॅलेंजेस' यावर राष्ट्रीयपातळीवरील दोन चर्चासत्रांचे आयोजन करण्यात आले. उद्घाटन संस्था सचिव डॉ. मो. स. गोसावी यांच्या हस्ते पार पडले. वीज बचतीचे उपाय या चर्चासत्रात सांगण्यात आले.

व्यासपीठावर प्राचार्य डॉ. पी. सी. कुलकर्णी, प्रकल्प संचालक पी. एम. देशपांडे, एस. एम. गोसावी यांची प्रमुख उपस्थिती होती. पहिल्या दिवशी प्रथम सत्रात औद्योगिक क्षेत्रातील तज्ज्ञ आर. पी. देशपांडे यांनी 'अल्ट्रा कॅपेसीटर' व डॉ. मनोज राठी यांनी 'बॅटरी मॅनेजमेंट सिस्टिम्स' यावर

मार्गदर्शन केले. द्वितीय सत्रात एम. डी. देशपांडे यांनी 'ग्राफेन बेस्ड मटेरिअल फॉर एनर्जी स्टोअरेज' यावर माहिती दिली. ए. आर. खालकर यांनी 'थिन फिल्म सोलर टेक्नॉलॉजी' व ओ.जी. कुलकर्णी यांनी 'अॅडव्हान्स इन एनर्जी स्टोअरेज सिस्टिम' याचे महत्त्व पटवून दिले. द्वितीयदिनी प्रथम सत्रात नीलेश पवार यांनी 'बॅटरीज फॉर अॅटोमॉबिलिटी व्हेइकल्स', डॉ. निमजे यांचेही व्याख्यान झाले. एम. एस. लोखंडे यांनी 'स्टोअरेज डिझाईनेस फॉर इलेक्ट्रिक व्हेइकल्स' यावर मार्गदर्शन केले. आर. के. नेमा यांनी 'सोलर पी व्ही अँड इट्स पॉवर कंडिशनिंग' तर सुरेश गवारे यांनी 'इंपॅक्ट ऑफ सोलर पी व्ही ऑन स्मार्ट ग्रीड' यावर मार्गदर्शन केले. प्रा. डी. एम. सोनजे, प्रा. व्ही. एस. रामकृष्ण, प्रोजेक्ट डायरेक्टर प्रदीप देशपांडे यांनी सहकार्य केले.

Date: 22th April 2022

To,

The Principal,

GESs RHSCMSR,

Nashik 422005

Subject: Staff training program from our company

Kind Attention: Dr Agnihotri Santosh P Head, E&TC Dept

Dear Sir,

With the reference to the subject above our organization named Future Chip Technologies Pune will be happy to train your E&TC Dept. faculty members from advanced applications of Raspberry Pi and Arduino board

Visual learning, often called "book" learning, has long been the prevailing method, compelling staff members and students to read, remember, and recite the information on a page in reports, tests, and quizzes. This method is most frequently used by teachers during early childhood for school-aged children, where information is traditionally taught using picture books, flashcards, and later, textbooks. So this training gives more insides in all dimensions

While learning should ideally translate perfectly into practice, the reality is that it seldom does. Just as someone who may have only read a particular word in books might mispronounce it the first time they speak it aloud, self-focused learning methods may not reveal mistakes until the stakes are high. Particularly in fields where physical precision is important – manufacturing, architecture, medical studies, and so on – these innocent mistakes can become big problems if they aren't identified and addressed beforehand. Hands-on learning helps instructors recognize and correct these mistakes while still in the learning process, dramatically reducing the chances of the same mistake cropping up after the training course is finished.

With this intention we would like to train the faculty on 27th April 2022



A handwritten signature in black ink, appearing to be "Santosh P Agnihotri".

Future Chip Technologies Pune



Date: 27/04/22

Gokhale Education Society's R. H. Sapat College of Engineering, Management Studies and Research

Department of Electronics and Telecommunication engineering

Attendance record

Staff training program from Future Chip Technologies Pune

Sr No	Name	Designation	Sign	Remark	
1	K. V. Karad	Asst. Prof.	[Signature]		DAY 1
2	D. M. Raut	Asst. Prof.	[Signature]		
3	Shrinu R. J.	A. P.	[Signature]		
4	C. K. Vaidya	T. A.	[Signature]		
5	Mr. Bhujbal R. V.	Director	[Signature]	989041905	
6	Mr. Deepak Kumbhar	Asst. Dir.	[Signature]	989036461	
7	Mr. Bhank Shah	Engineer	[Signature]	9579353537	
1	D. M. Raut	Asst. Prof.	[Signature]		DAY 2
2	K. V. Karad	Asst. Prof.	[Signature]		
3	M. S. Deole	Asst. Prof.	[Signature]		
4	R. J. Shimpi	Asst. Prof.	[Signature]		
5	C. K. Vaidya	T. A.	[Signature]		

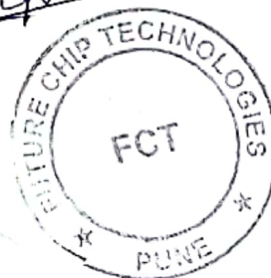
Authenticated by Day 1 27/4/22

Day 2 09/05/22

1. Staff Coordinator from Future Chip

2. Head Future Chip

3. Head E&TC Dept



(Dr. S. P. Agnihotri)
HOD E&TC

27/04/2022



Faculty Development Program on
“Urban Flood Risk Mitigation and Management”
Jointly Organized by
Department of Civil Engineering
R. H .Sapat College of Engineering, Management Studies and
Research Nashik-422 005
WATER INSTITUTE
University Visvesvaraya College of Engineering (UVCE)
Bangalore University, Bengaluru



A REPORT

Coordinators

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Patron's Message



It gives me immense pleasure and lot of happiness to congratulate organizers Department of Civil Engineering R. H .Sapat College of Engineering, Management Studies and Research Nashik and **WATER INSTITUTE** University Visvesvaraya College of Engineering (UVCE) Bangalore University, Bengaluru and all the participants of the Faculty Development Programme on “**Urban Flood Risk Mitigation and Management**” to be held from 14-18 Nov. 2022. This FDP will bring together Eminent Resource persons, Professors and Researchers, to discuss developments and innovations in Civil Engineering to mitigate and manage urban floods. The FDP is a distinctive platform which enables exchange and collaboration of not just innovative ideas but also focuses on the ways to implement, utilize and optimize them. This FDP aims to empower the participants to utilize novel ideas in urban floods handling and to discuss strategies for implementation. The FDP will be an eye-opener for the Engineering and other Technical departments for promotion of research in this field. I am sure the various sessions to be held during these 5 days by eminent professors will be relevant for all the participants and the report brought out on this occasion will be useful and informative for all. I wish all the best to all delegates participating in the FDP and extend my best wishes for the grand success of the event.

Prof. P.

M.

Deshpa

nde

Project

Directo

r

Gokhale Education Society's

R. H. Sapat College of Engineering, Management Studies & Research, Nashik-422 005



age

It is my privilege and honor to extend a very warm welcome to all the Eminent Resource persons, participants like Faculty from various institutes throughout the country, Research scholars, UG/PG students for this Faculty Development Programme on **“Urban Flood Risk Mitigation and Management”** which is jointly organized by Department of Civil Engineering R. H .Sapat College of Engineering, Management Studies and Research Nashik and **WATER INSTITUTE University Visvesvaraya College of Engineering (UVCE) Bangalore University, Bengaluru** to be held from 14-18 Nov. 2022. This FDP is the need of the hour, due Urban floods occurring at many places in our country, the insights provided by the learned Professors from various leading institutes of India provide platform to the Civil Engineers, Researchers, Professors, and students to discuss the technological advances in the field of Urban flood Risk Mitigation and Management.

Our Institute has grown in a very short span of time and it has become one of the premiere Institute serving different disciplines in the engineering field. In our Institute, we all are aiming of producing engineers suitable for Societal causes and for higher education and research as well.

I feel proud to convey that this FDP inducts a broad spectrum on urban flood risk mitigation and management. Such exposure will help the aspiring engineers to share and discuss innovative ideas with experts and fellow researchers. We aim to create a podium for the best minds from the academia with the recent trends adopted to address the societal problems faced by the public at large throughout the country. Hope this FDP will invoke the passion for pristine knowledge and the solutions to achieve better and newer technological standards. I also extend my gratitude to all the delegates of this FDP for the enthusiastic response.

It is doubtless that this FDP would be a great success and the deliberations would lead to further improved technologies. I am sure that all the participants would be benefited immensely by attending this event.

I wish the FDP a grand success.

Dr. Prafulla C. Kulkarni

M.Tech. (Production), Ph.D. (I.I.T. Kanpur)

Principal

R. H. Sapat college of Engineering, Management Studies and Research Nashik.

Welcome to our Gokhale Education Society's R. H. Sapat college of Engineering, Management Studies and Research Nashik.

“A college with a difference.”

Our college is committed to impart quality technical education with ingrained ethical values. We are committed to instill inquisitiveness amongst all students who can acquire the necessary technical knowledge and skills. By encouraging learning through enquiry, logic and developing a fearless attitude towards the fulfillment of curiosity. The vision of the institute is, “To produce world-class engineers for converting global challenges into opportunities through value embedded quality technical education.” To achieve this, we are committed to develop this institute as a Centre of Academic excellence for higher learning in the fields of engineering and technology. All the efforts are focused towards the fulfilment of vision and mission.



Vision

- To Produce World-class Engineers for converting global challenges into Opportunities through “Value Embedded Quality Technical Education”.
- To develop this College as an Academy of Higher Learning in the field of Engineering & Technology.

Mission

- To Impart Technical Education through effective Teaching-learning process,
- To Nurture Creativity & Critical thinking in applying Engineering skills to face the fast- growing globalization,
- To Develop a Holistic Personality of the learners,
- To make this Institute as a Lead Centre of Research.

UVCE & WATER INSTITUTE Bengaluru



The Department of Civil Engineering was started in the year 1917 by Sir M. Visvesvaraya himself, offering B.E. course in Civil Engineering and has been accredited by AICTE New Delhi. The department was functioning in the city campus of Bangalore University at K R Circle until 1974 and was later shifted to Jnana Bharathi Campus. The department has a built-up area of 8800 sq.m. The Department offered under graduate courses (B.E.) in Civil Engineering till 1960 and later started PG courses in eight different fields of specialization. It is one of the Quality Improvement Programme Departments of the MHRD offering admissions to M-Tech and Ph.D. programmes for the teachers drawn from AICTE approved engineering colleges. The alumni of the department have occupied key positions both in India and abroad bringing laurels to their alma mater.

The UVCE FOUNDATION INDIA and U.S in association with Bangalore University established the interdisciplinary centre **WATER INSTITUTE** at Department of Civil Engineering, as part of its celebrating 100 years of existence of UVCE with an aim to address water-related issues that have formidable scientific challenges and significant practical relevance.

The centre aims to pursue the following objectives:

To carry out advanced interdisciplinary research in the broad areas of water science and technology.

- To generate a trained manpower through short term internships and projects
- To execute **R & D** projects with specific deliverables in the areas of water science and technology.
- To develop a vibrant visiting faculty programme.

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Schedule of FDP on
“Urban Flood Risk Mitigation and Management”
14th – 18th November 2022

Sr. No.	Resource Person	Time and Session	Session Topic Dealt with	Meeting platform	Meeting Link
Day-1 14th Nov. 2022					
1	Dr. A. S. Ravikumar Professor & Chairman, UVCE, Bengaluru	Session I 10:30 am to 12.00 noon	" Mapping of Flood inundation"	Google Meet	https://meet.google.com/gyo-sbmi-hfe
Lunch Break: 12:30 PM – 01:30 PM					
2	Dr. Shivakumar J Nyamathi Professor UVCE Bengaluru	Session II 1.30 pm to 3.00 pm	“Role of Wetlands in Urban Flood Management” “	Google Meet	https://meet.google.com/gyo-sbmi-hfe
Day-2 15th Nov. 2022					
3	Dr. Rahul Dev Garg Professor, Department of Civil Engineering, Indian Institute of Technology Roorkee.	Session I 10:30 am to 12.00 noon	"Urban Flooding : Causes and Remedies"	Google Meet	https://meet.google.com/gyo-sbmi-hfe
Lunch Break: 12:30 PM – 01:30 PM					
4	Dr. S. Y. Kute Dean Academics KK Wagh IEE&R Nashik.	Session II 1.30 pm to 3.00 pm	“Urban flooding – learning from failures	Google Meet	https://meet.google.com/gyo-sbmi-hfe
Day-3 16th Nov. 2022					
5	Dr. D. G. Regulwar Professor, Govt. Engg; College Aurangabad	Session I 10:30 am to 12.00 noon	"The Impact of Land Cover Change on Catchment Hydrology: A Case Study of Nashik City"	Google Meet	https://meet.google.com/gyo-sbmi-hfe
Lunch Break: 12:30 PM – 01:30 PM					
6	Dr. Gopal Krishan Scientist D, NIH Roorkee	Session II 1.30 pm to 3.00 pm	“Tracer technique in water resources management”	Google Meet	https://meet.google.com/gyo-sbmi-hfe

Schedule of FDP on
“Urban Flood Risk Mitigation and Management”
14th - 18th November 2022

Sr. No.	Resource Person	Time and Session	Session Topic Dealt with	Meeting platform	Meeting Link
Day-4 17th Nov. 2022					
7	Dr. A. K. Lohani Head Surface Water Hydrology , NIH Roorkee	Session I 10:30 am to 12.00 noon	“Dam break floods”	Google Meet	https://meet.google.com/gyo-sbmi-hfe
Lunch Break: 12:30 PM – 01:30 PM					
8	Dr. Inayathulla M Professor & Director Water Institute UVCE, Bengaluru	Session II 1.30 pm to 3.00 pm	“Lakes Rejuvenation and Urban floods”	Google Meet	https://meet.google.com/gyo-sbmi-hfe
Day-5 18th Nov. 2022					
9	Dr. R. Yadupathi Putty Retd. Professor, NIE Mysuru.	Session I 10:30 am to 12.00 noon	"Flood generation in small urban areas of Western Ghats - Some Important Inputs".	Google Meet	https://meet.google.com/gyo-sbmi-hfe
Lunch Break: 12:30 PM – 01:30 PM					
10	Dr. V. M. Natraj Professor, Guru Govind Singh COE Nashik	Session II 1.30 pm to 3.00 pm	" Storm water Drainage study of Sangamneer town, Maharashtra "	Google Meet	https://meet.google.com/gyo-sbmi-hfe

ABSTRACT

Urban floods have resulted in extreme fatalities and enormous economic losses in every country, making it a disaster of high vulnerability. Particularly in developing countries like India, where population density is high and the country has experienced significant population expansion in recent decades due to high migration to urban areas, there are many concerns regarding unregulated and unsustainable development. Increased population causes more urbanization, more impervious areas and greater surface runoff, as well as changes in topographical and drainage profiles, which increase water flow in proportion to the rate of urbanization.

There has been an increasing trend of urban flood disasters in India over the past few years whereby major cities in India have been severely affected. The states of Kerala, Madhya Pradesh, Karnataka, Maharashtra, and Gujarat were the most severely affected. In the year 2022, the state of Karnataka, faced widespread flooding in Bengaluru. It was caused by exceptionally heavy rainfall. Analyzing the causes, it has been observed that the main focus for urban flood mitigation should be runoff reduction and keeping the flood plains free from obstructions.

The present FDP gives an overview of floods and a compilation of the causes and impacts of urban floods in India. The long-term and short-term risks of urban floods to humans and the environment was also been highlighted in this compilation along with the urban flood management systems, and best practices around the world and in India which are based on available literature and guidelines for urban flood risk management was presented by all the esteemed speakers. Further, few case studies, and findings were discussed by few speakers during this 5 day online FDP.

Chapter 1. Overview of Urban Flood

1.1. Background

Floods are the most frequent type of natural disaster and occur when an overflow of water submerges land that is usually dry. Floods are often caused by heavy rainfall, rapid snowmelt or a storm surge from a tropical cyclone or tsunami in coastal areas². The Figure 1 shows different types of reported natural disasters globally between 1970-2019 with floods being the most frequent.

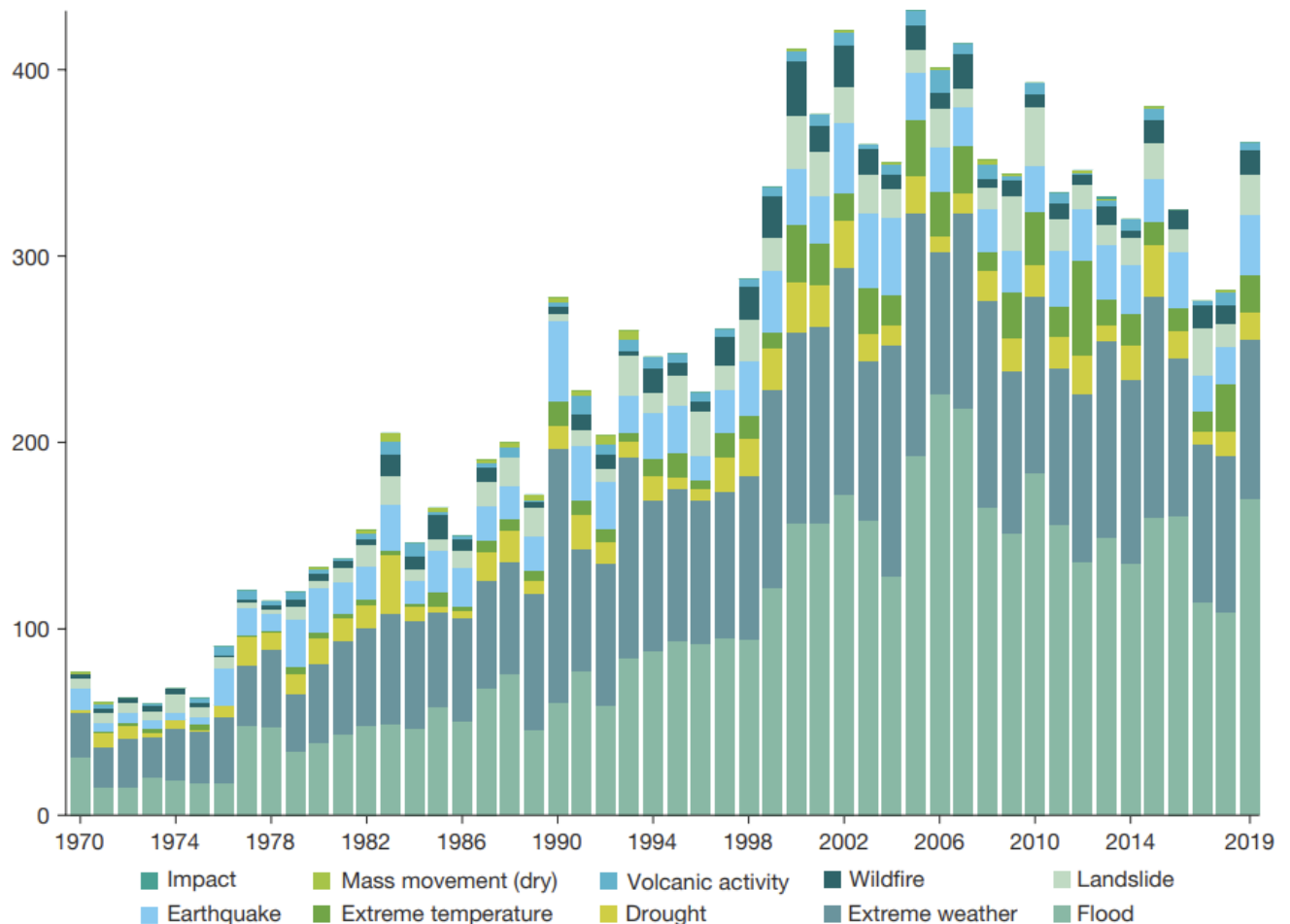


Figure 1: Global reported natural disasters by type, 1970-2019

Image Source: <https://openknowledge.worldbank.org/handle/10986/35710>

Based on the satellite imagery, researchers studied 913 flood events from 2000 to 2018 and found a total inundation area of 2.23 million square kilometres, with 255-290 million people directly affected by floods (Figure 2).³ Floods affect urban settlements of all types, including small villages, mid-sized market towns to major cities, megacities and metropolitan areas. Estimates place the economic losses caused by flooding over the past decade at US\$656 billion (Figure 3). However, the direct economic costs are systematically underreported, and the actual losses are likely to be much higher. The data on economic losses are only available for thirty- seven per cent of registered disasters; the direct cost of most disasters (63 per cent) is unknown or not well documented⁴.

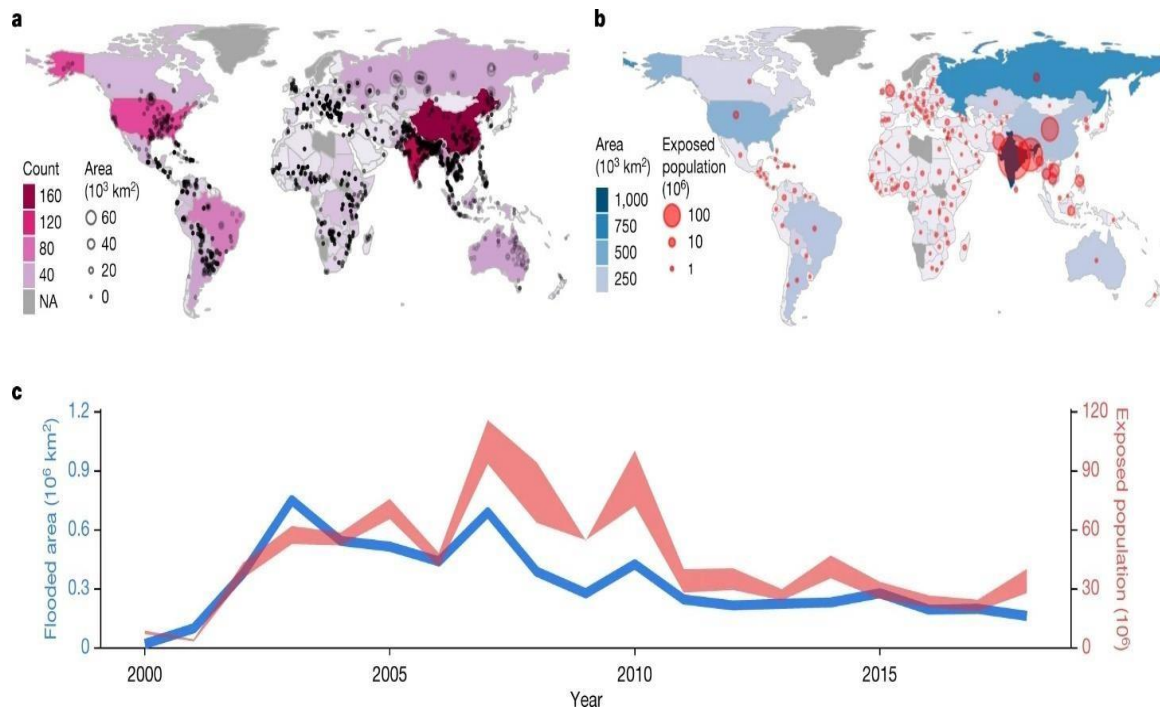


Figure 2: Summary statistics of the Global Flood Database

Image source: <https://www.nature.com/articles/s41586-021-03695-w/figures/1>

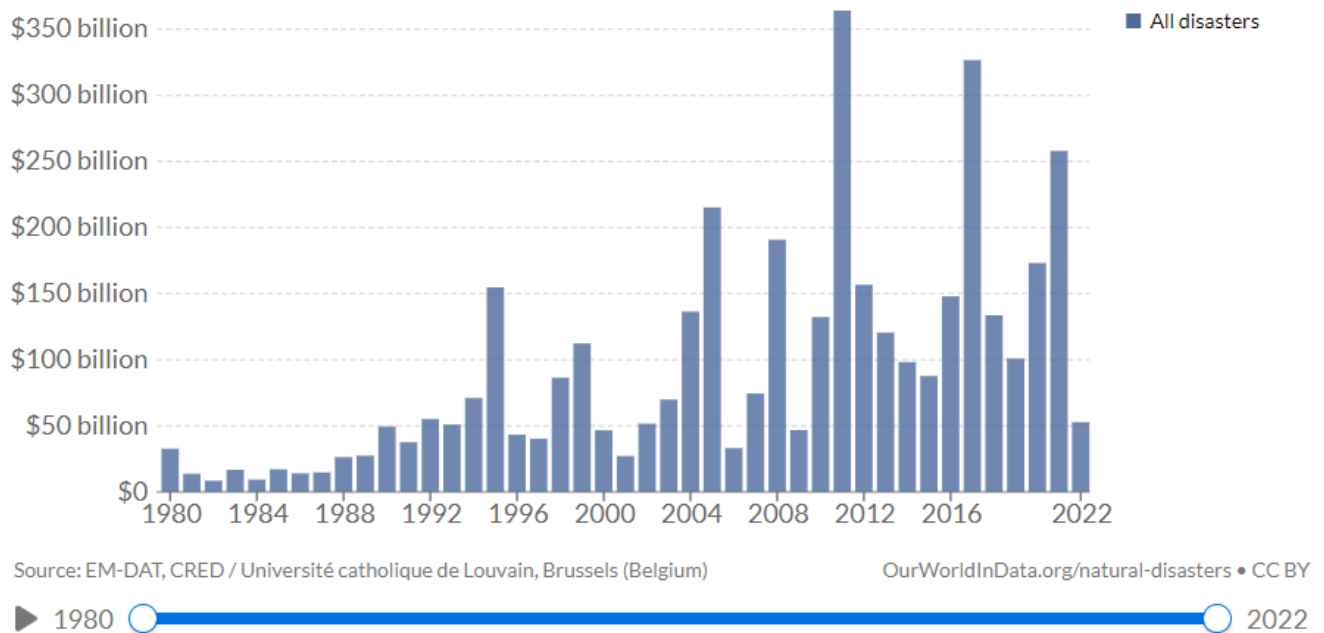


Figure 3: Damage as a result of global flood disasters in USD, 1980-2022

Image source: <https://openknowledge.worldbank.org/handle/10986/35710>

1.2. Impact of floods

Floods can influence the environment in more than one way, both negative and positive. Being a natural ecological process, flooding plays a key role in bringing about biological diversity and productivity in the affected area. Though floods can be devastating to population centers, they have always been an integral part of nature's renewal process, providing many long-term positive effects⁵. This includes

- (1) Renewal of Wetlands.
- (2) Returning nutrients to the soil
- (3) Preventing erosion and maintaining land mass elevation
- (4) Recharge and replenish groundwater.

Floodplains along rivers and streams are among the most fertile regions known. Most of the so-called 'cradles of civilization' are within floodplains for this very reason (e.g., the Nile River, the Tigris–Euphrates River, among others)⁶.

However, the human race is more concerned about the negative impact of flooding because floods can result in adverse environmental degradation besides causing short-term damage to life and property. Here are the ways that floods can impact the environment in the affected areas⁷.

The Health of the wildlife and livestock: Floods can adversely affect the well-being of the animals and plants that are housed in forest areas. Similarly, farming and ranching habitats are also susceptible to the flood water that inundates their living areas. Heavy floods can even result in total loss of the wildlife and biodiversity in the affected region⁸.

Dispersal of local pollutants: Flooding can lead to dispersal of local pollutants in the region and affect the quality of life of the livestock and humans residing therein. Some of these pollutants may be harmful chemicals, agricultural pesticides and industrial wastes that are otherwise localized in the areas of origin. But when mixed with flood water, they can reach far-off locations and contaminate the soil and water⁹.

Chemical Contamination: Agricultural chemicals, including fertilisers and pesticides, as well as other pollutants such as paint, gasoline or diesel, can find their way into the habitats of wildlife. Affected soil and other sediments can become attached to grass or plants, even after the floodwater has receded, which in turn is ingested by grazing animals such as sheep and cattle¹⁰.

1.3. Urban Floods

Urban flooding is the accumulation of floodwaters that results when the inflow of storm water exceeds the capacity of a drainage system to infiltrate water into the soil or to carry it away.

When a natural landscape is transformed by urban development, its drainage pattern is disturbed¹¹. Urban flooding is a major problem in many parts of the world and is one of the most natural disastrous events which takes place every year. Since the 1990s, urban flooding has become the most common and the most reoccurring natural hazard causing devastating impacts worldwide. More than 5,200 flash floods were recorded worldwide during 1980-2017 with more than 220,000 fatalities and global losses of \$1,000 billion. Asia accounted for 45 per cent of these events, 74 per cent of total fatalities and 57 per cent of overall losses. The southern Asian megacities like Dhaka, Karachi, Kolkata and Mumbai housing more than 50 million people face a substantial risk of flood-related damage over the next century, as reported in a study by the World Bank Group¹².

In Asia, urban flooding is a frequent phenomenon. Almost every city is vulnerable to urban flooding in one way or another and urban dwellers are at high risk. In urban environments, farmland, vegetation cover, and bare soil have been converted into built-up areas. As a result, water runs off of the concrete structures. This is known as pluvial flooding or urban flooding. In urban areas, with the rapid increase in impermeable surfaces and urban development, the likelihood of flooding has increased¹³.

1.4. As a result of different combinations of causal factors, urban floods can basically be divided into four categories¹⁴:

- Local Floods
- Riverine Floods
- Coastal Floods
- Flash Floods

Floods in urban areas can be attributed to one or a combination of the above types. In order to manage urban floods, it is essential to understand the causes and impacts of each one of them.

1.4.1. Local floods

Very high rainfall intensity and duration during the rainy season are sometimes caused by seasonal storms and depressions and exacerbated by saturated or impervious soil. Built environments like cities generate higher surface run-off that is in excess of local drainage capacity, thereby causing local floods. Urbanization leads to decreased rates of infiltration and increased surface runoff. Many urban drainage facilities are not in good shape due to a lack of cleaning and maintenance. Rubbish and debris tend to clog the bottlenecks of drainage facilities, thus reducing the drainage capacity and leading to increased surface runoff and backup effects, causing local floods¹⁵.

Localized flooding occurs many times a year in slum areas because there are few drains, most of the ground is highly compacted and pathways between dwellings become streams after heavy rain. In small and medium towns and cities, the rapid development and the consequent infrastructure such as road building fails to account for the natural drainage systems without providing for cross-drainage works. Depending on the local hydro-geological situation, groundwater rising or subsurface flows can be other causes in the generation of local floods. Local floods are generally confined to rather small geographical areas and are normally not of long duration. However, in regions of extended rainy seasons (monsoon climates), local floods may last for weeks, resulting in widespread destruction¹⁶.

1.4.2. Riverine Floods

River floods are triggered by heavy rainfall or snow melt in upstream areas or tidal influence from the downstream. Ground conditions such as soil, vegetation cover, and land use have a direct bearing on the amount of runoff generated. River floods occur when the river run-off volume exceeds local flow capacities. The river levels rise slowly and the period of rising and fall is particularly long, lasting a few weeks or even months, particularly in areas with flat slopes and deltaic areas. Failure or bad operation of drainage or flood control works upstream can also sometimes lead to riverine flooding. Urban areas situated in the low-lying areas in the middle or lower reaches of rivers are particularly exposed to extensive riverine floods. In most major river basins, flood plains are subjected to annual flooding. Often, urban growth expands over some of the floodplains, reducing the area into which floods can naturally overflow. Where parts of the city are below flood level and are protected by artificial levees, there is a risk that they may be breached and cause devastating urban flooding.

1.4.3. Coastal Floods

High tides and storm surge caused by tropical depressions and cyclones can cause coastal floods in urban areas located at estuaries, tidal flats and low-lying land near the sea in general. Coastline configurations, offshore water depth and estuary shape can influence the intensity of coastal floods. Moreover, high tides may impede the discharge of rivers and drainage systems, leading to local or riverine

floods. Tidal effects in the estuarine reaches can keep the river levels high for long periods of time and sustain flooding. Thus the cities located in estuarine reaches have to bear the combined impacts of riverine as well as coastal floods due to storm surges and tidal effects. Coastal areas are exposed to sea erosion, which is particularly likely with the increase in sea roughness due to climate change. Tsunamis, mainly triggered by powerful offshore earthquakes, can also cause coastal floods though infrequently¹⁷.

1.4.4. Flash Floods

Flash floods occur as a result of the rapid accumulation and release of runoff waters from upstream mountainous areas, which can be caused by very heavy rainfall, cloud bursts, landslides, the sudden break-up of an ice jam or failure of flood control works. They are characterized by a sharp rise followed by relatively rapid recession causing high flow velocities. Discharges quickly reach a maximum and diminish almost as rapidly. Flash floods are particularly common in mountainous areas and desert regions but are a potential threat in any area where the terrain is steep, surface runoff rates are high, streams flow in narrow canyons and severe thunderstorms prevail. Especially in densely populated areas, they are more destructive than other types of flooding because of their unpredictable nature and unusually strong currents carrying large concentrations of sediment and debris, giving little or no time for communities living in its path to prepare for it and causing major destruction to infrastructure, humans and whatever else stands in their way. Small streams in urban areas can also rise quickly after heavy rain due to higher run-off generated and the smaller time of concentration. Changes in the urban area and in storm intensity produce higher flows that exceed capacity of small culverts under roads designed for un-urbanized situation¹⁸.

1.5. Urban Floods in India

Floods are a common occurrence in India (Figure 4), especially during the southwest monsoon season from June to September, and the northeast monsoon season from October to November¹⁹. Changes in climate over the Indian region, particularly during the southwest monsoon, would have a significant impact on agricultural production, water resources management and the overall economy of the country. Such climatic changes would also mean an increase in extreme weather events, droughts and floods²⁰.

There has been an increasing trend of urban flood disasters in India over the past several years. The most notable amongst them are Hyderabad in 2000, Ahmedabad in 2001, Delhi in 2002 and 2003, Chennai in 2004, Mumbai in 2005, Surat in 2006, Kolkata in 2007, Jamshedpur in 2008, Delhi in 2009 and Guwahati and Delhi in 2010. The most recent devastating ones were Srinagar in 2014 and Chennai in 2015. In recent past, the country has witnessed many catastrophic floods which led to irreparable damage to life, property, livelihoods and infrastructure. Some of the worst flood events which occurred in India are²¹.

- Kerala (August 2018): The state received 2346.6 mm of rainfall from June 1, 2018, to August 19, 2018, in contrast to the expected 1649.5 mm. With more than 400 reported deaths, lakhs displaced from their homes and estimated economic losses of Rs.30,000 crore, the floods left an incredible amount of damage in their wake
- Tamil Nadu (November 2015): The city of Chennai recorded heavy rainfall in the month of November 2015. This eventually led to massive flooding and caused India over 50,000 crore rupees in losses. More than 500 people died, over 50,000 homes were structurally damaged, and over 1.8 million people were displaced.
- Jammu and Kashmir (September 2014): Flood caused by heavy rains, lasted for eight days. Jammu and Kashmir usually receives around 100mm of rain in September, but in the first four days of the month in 2014, the state had already received 400mm of rain, which led to the floods. The economic value of the damage was estimated to be between Rs 5000 crore and Rs 6000 crore.
- Uttarakhand (June 2013): Heavy rain due to a cloudburst led to sudden flash floods and landslides in the northern part of Uttarakhand. The rains occurred a whole month before the monsoon season, they caught everyone by surprise. More than 100,000 people trapped in landslides, an estimated 4,094 were killed and over 5,700 were missing (and eventually presumed dead). The Uttarakhand floods are considered one of the worst natural calamities in India since the 2004 Indian Ocean tsunami. In Assam, July 2012, the monsoon rains started earlier and heavier than the previous year. The state got about 528mm rain, which was 28 per cent more than its average annual rainfall. Over 124 people, including 70 children, died in the floods and about 2.2 million people were affected. The floods also inundated large parts of the Kaziranga National Park and affected its resident animals severely. It is estimated that over 560 animals died, including 14 rhinos.
- Maharashtra (July 2005): Mumbai received about 944 mm rain in just 24 hours: a 100- year record. Over 1,000 people lost their lives in the deluge, while approximately 14,000 homes were destroyed. The city had to bear a direct loss of Rs 450 crore

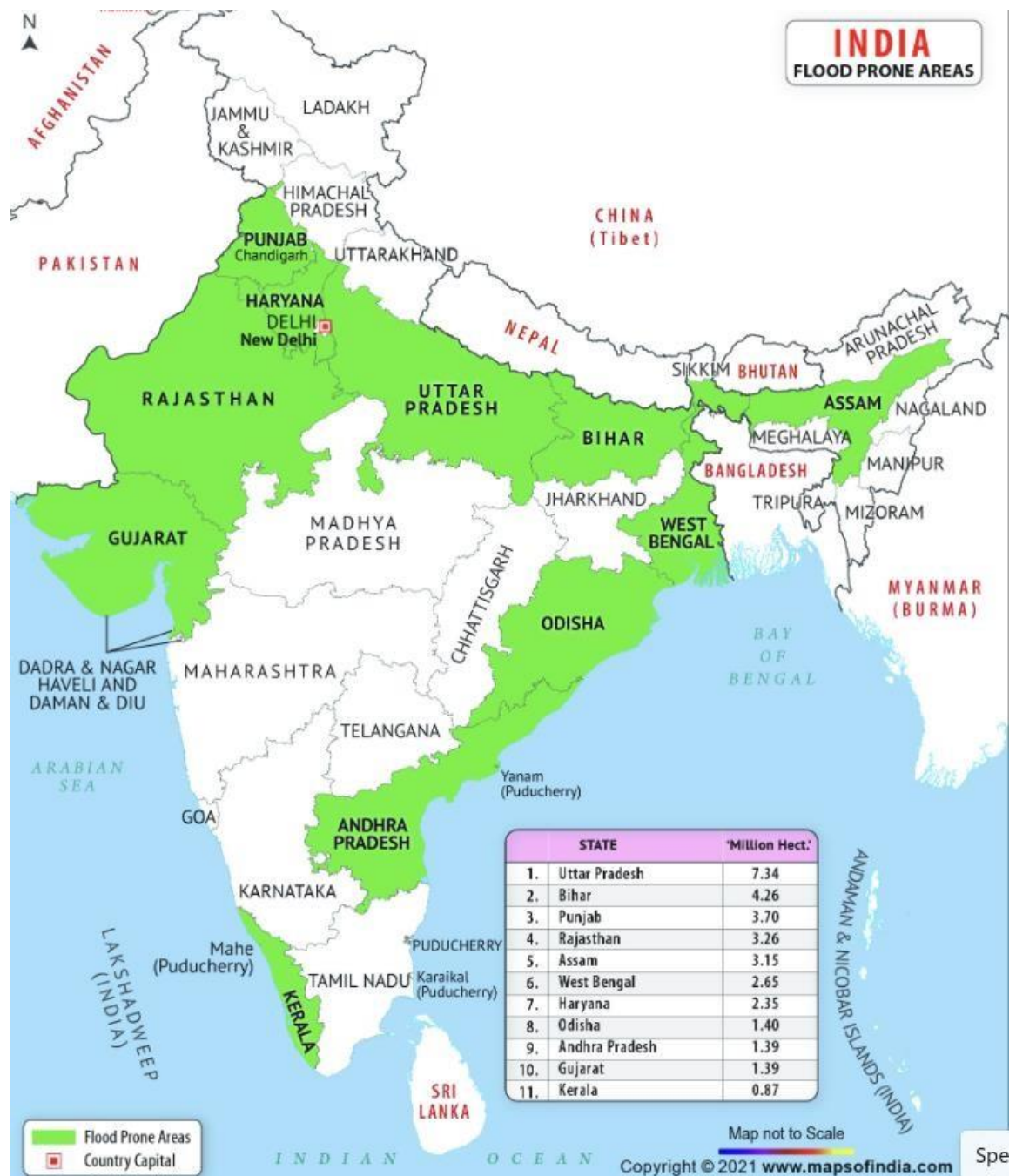


Figure 4: Top 10 flood prone areas in India

Image Source: <https://www.mapsofindia.com/top-ten/geography/india-flood.html>

1.6. Legal framework for Flood Management in India

Since the flood management is primarily in the domain of States, flood control and management schemes are planned, investigated and implemented by the State Governments with their own resources, according to the priority within the States.²²

Central Government: The Department of Water Resources, River Development and Ganga Rejuvenation (DoWR, RD&GR), Ministry of Jal Shakti is responsible for laying down policy guidelines and programmes for the development and regulation of the country's water resources. The Ministry provides technical guidance and conducts scrutiny, clearance and monitoring of the irrigation, flood control and multi-purpose projects (major/medium). The Ministry is also

responsible for the operation of the central network for flood forecasting and warning on inter-state rivers, the provision of central assistance for some State Schemes in special cases and the preparation of flood control master plans for the Ganga and the Brahmaputra. The two-tier system for flood management in India is²³:

1.6.1. Central Government

- Central Water Commission

- Ganga Flood Control Commission (GFCC)

- Brahmaputra Board (BB) •

National Disaster Management Authority (NDMA)

The Union Government has the following organizations to enable the State Governments in addressing flood problems in a comprehensive manner:

Central Water Commission

Central Water Commission (CWC), an attached office under the Department of Water Resources, River Development and Ganga Rejuvenation, is the apex organization for achieving the goal of furthering and promoting measures of flood control, conservation and utilization of water resources throughout the country in the areas of beneficial uses, irrigation and hydropower generation, flood management and river conservation. The CWC plays a direct role in real time collection of flood data, flood forecasting and dissemination of flood forecasts to the local administration for planning suitable administrative measures including evacuation of people from flood affected areas to safer locations.

Ganga Flood Control Commission

The Ganga Flood Control Commission (GFCC) was set up by the Government of India (GoI) in 1972 for preparation of comprehensive plan for flood management of the river systems in the Ganga basin including implementation, monitoring and performance evaluation of various flood management schemes and technical guidance to the basin States such as Bihar, Chhattisgarh, Delhi, Haryana, Himachal Pradesh, Jharkhand, Madhya Pradesh, Rajasthan, Uttar Pradesh, Uttarakhand and West Bengal.

The Brahmaputra Board (BB)

The Brahmaputra Board is a statutory body constituted in 1980 by an Act of Parliament with the objective of planning and integrated implementing measures for the control of flood and bank erosion in the Brahmaputra. The jurisdiction of the Board includes the States of Arunachal Pradesh, Assam, Meghalaya, Manipur, Mizoram, Nagaland, Sikkim, Tripura and part of West Bengal falling within the Brahmaputra Basin.

National Disaster Management Authority

The Government of India (GoI) set up National Disaster Management Authority (NDMA) in 2005 to implement a holistic and integrated approach to Disaster Management in India. NDMA is mandated to lay down the policies, plans and guidelines for Disaster Management to ensure a timely and effective response to disasters.

1.6.2. State Government

- Water Resources Departments
- State Technical Advisory Committees (STAC)
- Flood Control Boards,
- Irrigation Departments
- Public Works Departments

The State Level Mechanism includes the Water Resources Departments, State Technical Advisory Committees (STAC) and Flood Control Boards, Irrigation Departments and Public Works Departments. The States are required to investigate, plan, construct, maintain and operate all flood works.

1.7. Agencies playing role in Flood Management:

In India, a vast federal country with 28 states and eight union territories, the responsibility of flood control and management (Figure 5) is scattered across many agencies²⁴.

1. The water resources ministries of different states oversee flood control in consultation with the Central Water Commission (CWC). The main job of the Central Water Commission (CWC) is to procure data on hydrology at the national level – like river discharge measurement and water level in dams– to alert the states about any imminent or potential flood.
2. India Meteorological Department (IMD) provides rainfall or cyclonic event forecast which is used by all the agencies for preparedness to deal the floods. For the national-level response to disasters, there is National Disaster Management Authority (NDMA) which works under Prime Minister's Office (PMO) – and the National Institute of Disaster Management (NIDM) – a body under the Union Ministry of Home Affairs (MHA). The job of relief and rescue is carried out by the National Disaster Response Force (NDRF) with state counterparts.
3. NDMA is the topmost organization for disaster management in India. It has fallen short of successfully coordinating with state and district authorities. Rather many times, other government bodies are found to be filling the shoes. This is because of dispersed responsibilities for different disaster and no mandatory power to enforce its guidelines²⁵.

4. Government of India has implemented two major schemes viz. Flood Management Programme and Flood Forecasting Scheme towards Flood Forecasting, Control and Management. 1. Flood Management Programme: The scheme was sanctioned by the Cabinet in November 2007 with Central Assistance of Rs 8,000 crore in Eleventh Five Year Plan (2007-2012)²⁶.

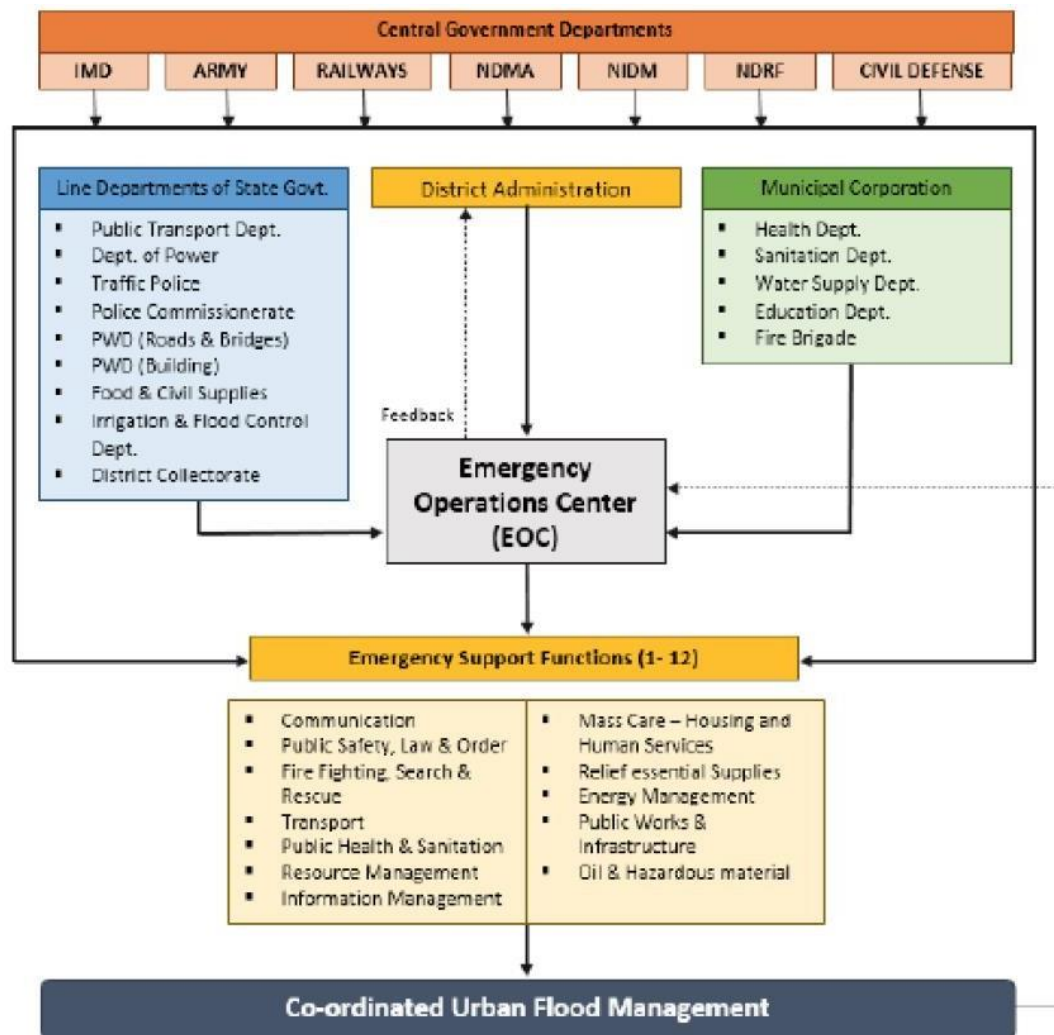


Figure 5: Co-ordination between agencies for urban flood management

Image Source: https://niua.org/sites/default/files/SOP_Urban_flooding.pdf

DEPARTMENT OF ELECTRICAL ENGINEERING

Faculty Development Report

Ansysis Maxwell: Tools and Research

The Department of Electrical Engineering in Association with InvensysCAD Solutions Nashik has arranged Online Three Day faculty Development Program on "Ansysis Maxwell: Tools & Research"

Objective of the FDP: A three day FDP on "ANSYS Maxwell: Tools and Research" was intended to explore usage of the Ansys Maxwell Finite Element software in Research and application for the faculties and students.

This Faculty Development Program (FDP) focused to provide an in-depth understanding of the Ansys Maxwell Tools in Research and Analysis of Electromagnetic devices, specifically Electrical Machines. This FDP will enable participants to build basics to hands on experience for

- Ansys Maxwell Low Frequency & Maxwell GUI.
- Optimizing Design using Optimetrics.
- Ansys RMXpert.
- RMXpert 2D & 3D Geometry Modeling.
- Design & analysis using Motor CAD.
- Design & analysis of Thermal, Mechanical & Vibration using Motor CAD.

Resource Person: Mr. Ajaysekhar Reddy, Application Engineer, ARK Info systems Pvt. Ltd., Bangalore. Email: ajaysekhar.reddy@arkinfo.in

Mode: Online

FDP coordinators: Dr. M. K. Chaudhari and Mr. S. V. Chakor

Number of participants: 39

Day 1 (11 April 2023):

FDP has been started with welcome speech of Mr. S. V. Chakor. Later Head, EED has given brief introduction of the institute and department. Objectives of the FDP have been elaborated later in the speech by Head, EED.


The first session have been started at 11:00am, where in Mr. Ajaysekhar Reddy has given introduced and flow of the sessions in next three days. The details of the session are given below-

DEPARTMENT OF ELECTRICAL ENGINEERING

Day 1	
Time	Topic
10:30AM to 10:45AM	Inauguration
10:45AM to 12:00PM	Introduction of Ansys Maxwell, LF & Maxwell GUI
12:00 to 12:30PM	Lunch Break
12:30PM to 3.00PM	Motor Design using RMxpert
3:00 to 03:15PM	Tea Break
3:15PM to 5.00 PM	Optimizing using Optimetrics & Creating 3D model from RMxpert
Day 2	
10:00AM to 12:00PM	RMxpert 2D model from RMxpert
12:00 to 12:30PM	Lunch Break
12:30PM to 3.00PM	Introduction Motor CAD
3:00 to 03:15PM	Tea Break
3:15PM to 5.00 PM	Electromagnetic analysis using Motor CAD
Day 3	
10:00AM to 12:00PM	Thermal analysis using motor CAD
12:00 to 12:30PM	Lunch Break
12:30PM to 3.00PM	Noise & Vibration analysis using Motor CAD
3:00 to 03:15PM	Tea Break
3:15PM to 4.30 PM	Introduction to Simplorer and design of inverter
4:30PM to 5:00PM	Valedictory function

On the last day (13/04/2023) the FDP had concluded with the vote of thanks from Mr. S. V. Chakor.


FDP Coordinators


Head, EED

Online Three Day Faculty Development Program
on

"Ansys Maxwell: Tools & Research"

Organized by

Department of Electrical Engineering

In Association with InvenSysCAD Solutions

(April 11-12 & 13, 2023)

REGISTRATION FORM

(Please fill this form and send a scan copy to email

id: hod.electrical@ges-coengg.org)

Name of the Faculty :

Designation and Department :

Name of the Institution :

Address :

Mobile No. :

Email :

Signature of the Applicant

Dr/Mr/Mrs _____ is a

faculty of our institute and is sponsored to attend the three day workshop on "Ansys Maxwell: Tools & Research" at GES's R H Sapat College of Engineering, Management Studies and Research, Nashik.

Signature of Principal with Institute Seal

Chief Patron

Sir. Dr. M. S. Gosavi Secretary & Director General,
Gokhale Education Society

Patrons

Prof. P. M. Deshpande Director (P), G E Society
Mr. S. M. Gosavi Director (E & M), G E Society
Dr. P. C. Kulkarni Principal, R.H.S.COE MS& R

Advisory Members

Dr. M. K. Chaudhari HOD, Dept of Electrical Engg
Dr. S. P. Agnihotri HOD, Dept of E&TC Engg
Dr. N. D. Chaudhari HOD, Dept of Civil Engg
Dr. D. V. Patil HOD, Dept of Computer Engg
Dr. G. G. Waghmare HOD, Dept of Mech. Engg.
Dr. P. A. Chaudhari HOD, Dept of MCA

Coordinators

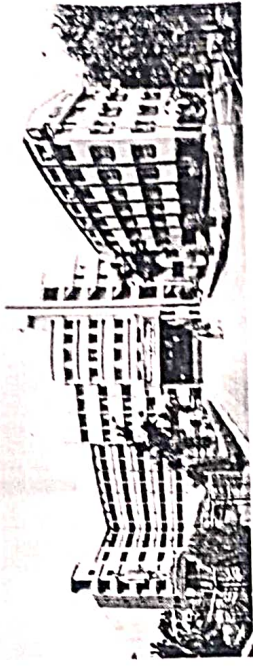
Dr. M. K. Chaudhari
Mr. S. V. Chakor

Organizing Committee

Dr D M Sonje Dr RVS Ramkrishna
Dr Atul Koshti Dr V R Naphade
Mr N S Pande Mrs S G Khadilkar
Mr M U Shetty Mr S P Koparkar
Mr M V Reddy Mrs R S Tidke
Mr H B Wagh Mr S K Mahajan
Mrs M P Deshpande Mr V S Meshram
Mrs N A Amodkar Mrs U M Mathure

Contact

Mr. S. V. Chakor (9975718753/9860589254)
hod.electrical@ges-coengg.org



Online

Faculty Development Program
on

"Ansys Maxwell: Tools & Research"

Organized by

Department of Electrical Engineering
In Association with InvenSysCAD Solutions
(April 11-12 & 13, 2023)



Organized by

DEPARTMENT OF ELECTRICAL
ENGINEERING

Gokhale Education Society's

R. H. Sapat College of Engineering,
Management Studies and Research

(NAAC Accredited & ISO 9001:2015

Certified Institution)

Principal T. A. Kulkarni Vidyannagar, Nashik 422005

Website: <https://ges-coengg.org>

About Gokhale Education Society

Gokhale Education Society was founded on 19th February 1918, on the third death anniversary of Namdar Gopal Krishna Gokhale, by his illustrious disciple late Principal T.A. Kulkarni, who was a great social worker and eminent educationist. The society has completed 100 years of useful existence and has today more than 140 institutes. With 1.25 lakh pupils and 4,000 staff, it is one of the oldest and pioneering educational institutions established with the main objective of developing quality citizens through education and training.

About the College

GES's R. H. Sapat College of Engineering, Management Studies and Research, Nashik was established in 2009 and is affiliated to SPPU, Pune. The institute has a vision of imparting "Value Embedded Quality Technical Education" at an affordable cost. At present, the institute offers five UG courses (in Computer, Electrical, Electronics and Telecommunication, Mechanical and Civil Engineering) and five PG courses (in Computer, Power Electronics & Drives, Digital Systems, Mechanical Engineering Design and MCA). The total intake of the students is 480 at UG level and 156 at PG level.

About the Department

The department of Electrical Engineering is well equipped with the state of the art laboratories, several high-end equipment (hardware and software) and qualified faculty members. Some of the salient features of the department are

- ✓ Strong Industry Institute Interaction Activity (ICUBE)
- ✓ Presence of MATLAB, Microlab dSPACE, Ansys MAXWELL, NI-DAQ and other high end facilities
- ✓ 06 PhD completed faculty members
- ✓ Excellent Placement Record
- ✓ Student involvement in product development and consultancy activities.

About the Workshop

This Faculty Development Program (FDP) aims to provide an in-depth understanding of the Ansys Maxwell Tools and Research in this domain. This FDP will enable participants to build basic to hands on experience for

- Ansys Maxwell LF & Maxwell GUI,
- Optimizing Design using Optimetrics,
- Ansys RMXpert,
- RMXpert 2D & 3D Geometry Modeling,
- Design & analysis using Motor CAD.

Participants will gain knowledge on techniques to use Ansys Maxwell Tools and understand the challenges in ongoing simulation. The topics of this FDP have been designed in consultation with *Resource persons from the Industry Professionals* from this domain. It is a blend of fundamental concepts, hands-on sessions, and industry use cases.

Resource Persons

Mr. Ajaysekhar Reddy Agarala;

Application Engineer – Ansys LF (Acad.) ARK Info solutions Pvt. Ltd.

Registration Details

- Registration link: <https://forms.gle/9KRzaXahKNjRfbdn8>
- E-certificate will be provided to all participant.
- No Registration Fees; Seats are limited.
- Last date of Registration: 8th April 2023.
- For every participant two day license copy of Ansys Maxwell will be provided.
- Conduction online mode on Google Meet platform.

Session Details

Day 1	
Time	Topic
10:30AM to 10:45AM	Inauguration
10:45AM to 12:00PM	Introduction of Ansys Maxwell, LF & Maxwell GUI
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3:00 to 03:15PM	Tea Break
3:15PM to 4:30 PM	Introduction to Simulink and design of inverter
4:30PM to 5:00PM	



hod electrical <hod.electrical@ges-coengg.org>

FDP proposed contents

3 messages

hod electrical <hod.electrical@ges-coengg.org>
 To: academic@invensyscadsolution.in

Sat, Apr 1, 2023 at 11:26 AM

Dear Sir

as discussed the proposed content for three day online FDP on ANSYS MAXWELL: TOOLS & RESEARCH is given below-

Day 1	
Time	Topic
10:30AM to 10:45AM	Inauguration
10:45AM to 12:00PM	Introduction of Ansys Maxwell, LF & Maxwell GUI
12:00 to 12:30PM	Lunch Break
12.30PM to 3.00PM	Optimizing using Optimetrics
3:00 to 03:15PM	Tea Break
3:15PM to 5.00 PM	Optimizing using Optimetrics
Day 2	
10:00AM to 12:00PM	RMxpert'2D & 3D Geometry Modeling
12:00 to 12:30PM	Lunch Break
12.30PM to 3.00PM	Motor CAD
3:00 to 03:15PM	Tea Break
3:15PM to 5.00 PM	Analysis using motor CAD
Day 3	
10:00AM to 12:00PM	Thermal, Noise & Vibration Analysis
12:00 to 12:30PM	Lunch Break
12.30PM to 3.00PM	Thermal, Noise & Vibration Analysis
3:00 to 03:15PM	Tea Break
3:15PM to 4.30 PM	Thermal, Noise & Vibration Analysis
4:30PM to 5:00PM	Valedictory function

You are requested to do the needful.

Regards

Prof. M. K. Chaudhari

Assistant Professor Head of department

Department of Electrical Engineering

Gokhale Education Society's

R. H. Sapat College of Engineering, Management Studies & Research, Nashik - 422 005,
 (M.S.), India.

Mobile 9860583254

Mail Delivery Subsystem <mailer-daemon@googlemail.com>

Sat, Apr 1, 2023 at 11:25 AM

4/18/23, 10:34 AM

Gokhale Education Society's R H Sapat College of Engineering, Management Studies & Research, Nashik, Maharashtra, India

Prof. S. V Chakor <sahebrao.chakor@ges-coengg.org>



Fwd: FDP proposed contents

2 messages

4 April 2023 at 11:45

Susheel Pote <academic@invensyscadsolutions.in>
To: sahebrao.chakor@ges-coengg.org

----- Forwarded message -----

From: Tushar Sharma <tushar.sharma@arkinfo.in>

Date: Tue, 4 Apr, 2023, 10:55 am

Subject: RE: FDP proposed contents

To: Susheel Pote <academic@invensyscadsolutions.in>

Cc: InvensysCAD Solutions <ajp@invensyscadsolutions.in>, Ajaysekhar Reddy <ajaysekhar.reddy@arkinfo.in>, Nilesh

Kamthe <nilesh.kamthe@arkinfo.in>

Dear Susheel ji,,

Please find the modified agenda for the FDP mentioned below for Sapat College.

Date: 11- 13 April 2023 (3 days)

Day 1	
Time	Topic
10:30AM to 10:45AM	Inauguration
10:45AM to 12:00PM	Introduction of Ansys Maxwell, LF & Maxwell GUI
12:00 to 12:30PM	Lunch Break
12.30PM to 3.00PM	Motor design using RMxpri
3:00 to 03:15PM	Tea Break
3:15PM to 5.00 PM	Optimizing using Optimetrics and Creating Maxwell 3D model from RMxpri
Day 2	
10:00AM to 12:00PM	Creating Maxwell 2D model from RMxpri
12:00 to 12:30PM	Lunch Break

4/18/23, 10:34 AM

Gokhale Education Society's R H Sapat Collge of Engineering, Management Studies & Research, Nashik. Maharashtra, India Ma...

12.30PM to 3.00PM	Introduction of Motor CAD
3:00 to 03:15PM	Tea Break
3:15PM to 5.00 PM	Electro-magnetic analysis using Motor CAD
Day 3	
10:00AM to 12:00PM	Thermal analysis using motor CAD
12:00 to 12:30PM	Lunch Break
12.30PM to 3.00PM	Noise & Vibration analysis using Motor CAD
3:00 to 03:15PM	Tea Break
3:15PM to 4.30 PM	Introduction to Simpler and design of Inverter
4:30PM to 5:00PM	Valedictory function

Thanks & Regards,

Dr. Tushar

From: Susheel Pote <academic@invensyscadsolutions.in>
Sent: Saturday, April 1, 2023 11:30 AM
To: Tushar Sharma <tushar.sharma@arkinfo.in>
Cc: InvensysCAD Solutions <ajp@invensyscadsolutions.in>
Subject: Fwd: FDP proposed contents

Dear Sir,

Please go through the following workshop contents prepared by college..

4/18/23, 10:28 AM

Gokhale Education Society's R H Sapat College of Engineering, Management Studies & Research, Nashik. Maharashtra



Prof. S. V Chakor <sahebrao.chakor@ges-c

ANSYS Student version link

1 message

10 April 2023

Susheel Pote <academic@invensyscadsolutions.in>

To: sahebrao.chakor@ges-coengg.org

Cc: Tushar Sharma <tushar.sharma@arkinfo.in>, InvensysCAD Solutions <ajp@invensyscadsolutions.in>, Nilesh K <nilesh.kamthe@arkinfo.in>

Dear Sir,

Please find the link for Ansys student version:-

Ansys Electronics Desktop Student Version | Free Software Download

Installation procedure step by step given below the download link, as INSTALLATION STEPS.

Also, request all staff /faculties to use this software as trial in their personal computer or laptop.

Instructions and Installation Steps of student version.

Before Installing:

1. Ensure that your computer meets the technical requirements necessary to run the software.
2. Ensure that you have administrative privileges for the computer on which you are installing this product.
3. Please visit our Ansys Learning Forum for additional assistance.

To perform the Ansys Electronics Desktop Student installation, follow the steps below.

1. Save all data and close all Windows applications before continuing.
2. After downloading the installation zip file, uncompress the file to a new temporary directory.
3. In the temporary directory, locate and right click the setup.exe file and select Run as administrator. Click Next on the installation window. The license agreement appears.
4. Read the agreement, and if you agree to the terms and conditions, select Yes.
5. The directory where you want to install Ansys products is shown in the Install Directory field. You can install the products into any directory for which you have write permissions. The default is C:\Program Files\AnsysEM. Click the Next to continue. Click Next on the review settings window showing directory and disc space information.
6. The installation progress screen displays a status bar toward the bottom of the installation window. You will not be able to interrupt the installation process. The installation program will check your system for the necessary prerequisites (described above). The prerequisites will be installed automatically if not already available.

If any issue please feel free to connect back.

Thanks and Regards,

Susheel S Pote
Academic Business Head,
InvensysCAD Solutions
(9420643007/academic@invensyscadsolutions.in)



Prof. S. V Chakor <sahebrao.chakor@ges-coengg.org>

Fwd: FDP on ANSYS MAXWELL Tools

2 messages

Susheel Pote <academic@invensyscadsolutions.in>
To: sahebrao.chakor@ges-coengg.org

10 April 2023 at 14:48

----- Forwarded message -----

From: Ajaysekhar Reddy <ajaysekhar.reddy@arkinfo.in>

Date: Mon, 10 Apr, 2023, 1:06 pm

Subject: FDP on ANSYS MAXWELL Tools

To: Susheel Pote <academic@invensyscadsolutions.in>, Tushar Sharma <tushar.sharma@arkinfo.in>

Cc: Nilesh Kamthe <nilesh.kamthe@arkinfo.in>

Dear sir,

Please find the Meeting link for the 3-day FDP

Microsoft Teams meeting**Join on your computer, mobile app or room device**

Click here to join the meeting

Meeting ID: 488 803 388 418

Passcode: aQNtM4

Download Teams | Join on the web

Learn More | Meeting options

From: Susheel Pote <academic@invensyscadsolutions.in>**Sent:** Monday, April 10, 2023 11:00 AM**To:** Tushar Sharma <tushar.sharma@arkinfo.in>**Cc:** Ajaysekhar Reddy <ajaysekhar.reddy@arkinfo.in>; Nilesh Kamthe <nilesh.kamthe@arkinfo.in>**Subject:** Re: FDP proposed contents

Ok, will do that. ,

Plz send Ajaysekhar sir's profile and meeting link, so that we can forward to all participants by afternoon.

DEPARTMENT OF ELECTRICAL ENGINEERING

Topic: Three day FDP on "ANSYS Maxwell: Tools and Research

Date: 11 March 2023 to 13 March 2023

Registration Link:
<https://forms.gle/YUhCRZV9458NfqZ>

List of Participants

Sr. No	Full Name	Designation	Department	Name of Organization	Address of Institute	Contact No.	Email Id
1	Sakshi Govind Bhamre	Student	Electrical	R H Sapat Engineering College	College Road Nashik	935293416	sakshibhamre17@gmail.com
2	Isha Rajendra Kulkarni	Student	Electrical	R.H.Sapat College of Engineering	College Road, Nashik	7796482645	ishakulkarni20029@gmail.com
3	Deepak Prakash Kadam	Professor	Electrical Engineering	Met Institute of Engineering, Bke. Nashik	Met Institute Of Engineering, Bke. Nashik	9689537588	dpkadam@gmail.com
4	Abhilash Anantrao Netake	Assistant Professor	Electrical Engineering	Met's Institute of Engineering.	Bhujbal Knowledge City, Adgaon Nashik	9011499341	abhineta22@gmail.com
5	Kirti Kulkarni	Assistant Professor	Electrical	Met Bke Ioe. Nashik	Adgaon, Nashik	9527057228	kirtigosavi16@gmail.com
6	Nikita Atul Amodkar	Asst. Professor	Electrical Engineering	Ges's Rh Sapat College of Engineering	College Road Nashik	7249162009	sapkar.nikita22@gmail.com
7	Rajendra B Sadaphale	Asst Prof	Electrical	Sandip Institute of Technology And Research Center Nasik	Mahiravani Nashik	9552556199	rajendra.sada1983@gmail.com
8	Prof. Sachin Ganeshrao Phiske	Asst. Professor	Electrical Engineering	Snd College Of Engineering And Research Center, Yeola	Babhulgaon, Tal: Yeola	9960880468	sachin.phiske@sndcoe.ac.in
9	Ravindra Kacharu Munje	Professor	Electrical Department	K K Wagh Institute of Engineering Education And Research	Amrudham Panchavati Nashik 422003	9923181711	rkmunje@kkwagh.edu.in
10	Swati Anil Thete	Asst Professor	Electrical	Jesitmr Nashik	Gangapur Road	8956747139	theteswati81@gmail.com
11	Swati Karbhari Warungase	Research Scholar	Electrical	Kkveer Nashik	Aadgaon, Nashik	8956747139	swarungasethete@gmail.com
12	Darshan Khumansing Thakur	Asst. Prof.	Mechanical Engineering	Kees's Coem Jalgaon	Behind Die Office, Ganesh Colony Jalgaon	9923223322	darshan.khaskar22@gmail.com
13	Pavan Thapekar	Student	Electrical	R.H.Sapat College of Engineering	College Road Nashik	9075870424	

DEPARTMENT OF ELECTRICAL ENGINEERING

14	Kalpesh Madhav Mahajan	Assistant Professor	Electrical Engineering	Kces's College of Engineering & Management	Nh- 6 Behind Dic Office Jalgaon	9860985400	kalpmahajan@gmail.com
15	R S Tidke	Assistant Professor	Electrical Engineering Department	Ges R H Sapat Coe	College Road Nashik	9922411488	rstidke@gmail.com
16	Sudhir P. Koparkar	Asst Prof	Electrical Engg	R H Sapat Coems&R	College Road Nashik	9422762212	sudhir.koparkar@ges-coengg.org
17	Shrunkhala Gangadhar Khadilkar	Assistant Professor	Electrical	G.E.S.R.H.Sapat Coems&R,Nashik	G.E.S.R.H.Sapat Coems&R,Nashik	9970177186	shrunkhala.khadilkar@ges-coengg.org
18	Dr. Atul Suresh Koshti	Associate Professor	Electrical	Ges's R.H. Sapat College of Engineering, Management, Studies And Research, Nashik	College Road	9826473408	atul.koshti@ges-coengg.org
19	Hemant Bhila Wagh	Assistant Professor	Electrical Engineering	Gokhale Education Society's R.H.Sapat College of Engineering Management Studies And Research Nashik	Nashik	8275587242	hbwagh@gmail.com
20	Monika Pravara Deshpande	Assistant Professor	Electrical	R H Sapat College Of Engineering Management Studies And Research Nashik	College Road Nashik	8855845494	monika.deshpande@ges-coengg.org
21	Deepak M Sonje	Associate Professor	Electrical Engineering	R H Sapat College Of Engineering Management Studies And Research Nashik	College Road Nashik	9922371235	deepak.sonje@ges-coengg.org
22	Sanskriti Shashikant Mhatre	Student	Electrical	Electrical Engineering Department	R.H.Sapat College Of Engineering	9326264146	sanskritimhatre6777@gmail.com
23	Urmila Mewalal Mathure	Assistant Professor	Electrical Engineering	R H Sapat College Of Engineering Management Studies And Research Nashik	Nashik	7248963314	urmila.mathure@ges-coengg.org
24	Salunke Sneha Ganesh	Student	Electrical Engineering	Rh Sapat College Of Engineering And Research Centre	College Road	9607092024	snehal23salunke@gmail.com
25	Mane Rajeshwari Mahesh	Student	Electrical Engineering	R H Sapat College Of Engineering	College Road	9021179566	rajeshwari.mane@ges-coengg.org
26	Samadhan Kashinath Mahajan	Asst.Prof.	Electrical	Ges. R.H. Sapat Coe Nashik.	College Road Nashik	8830045447	samadhan.mahajan@ges-coengg.org

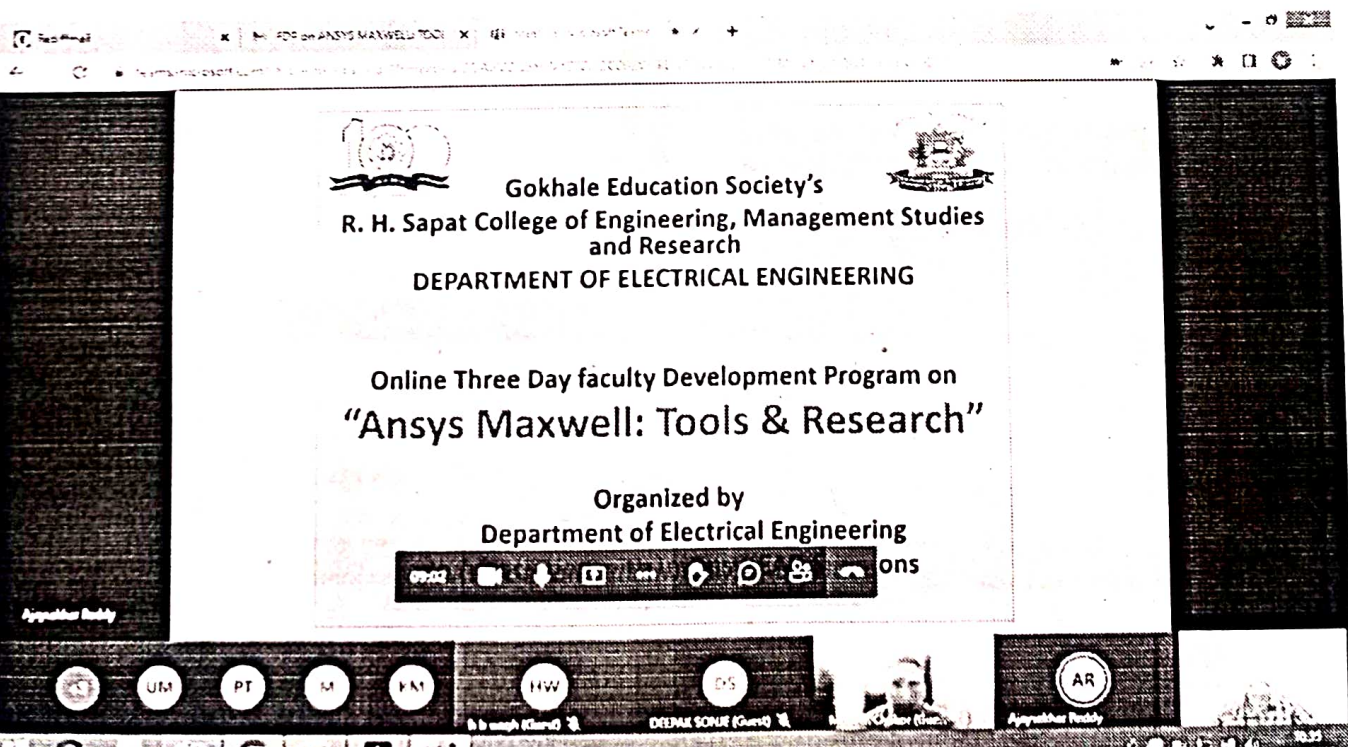
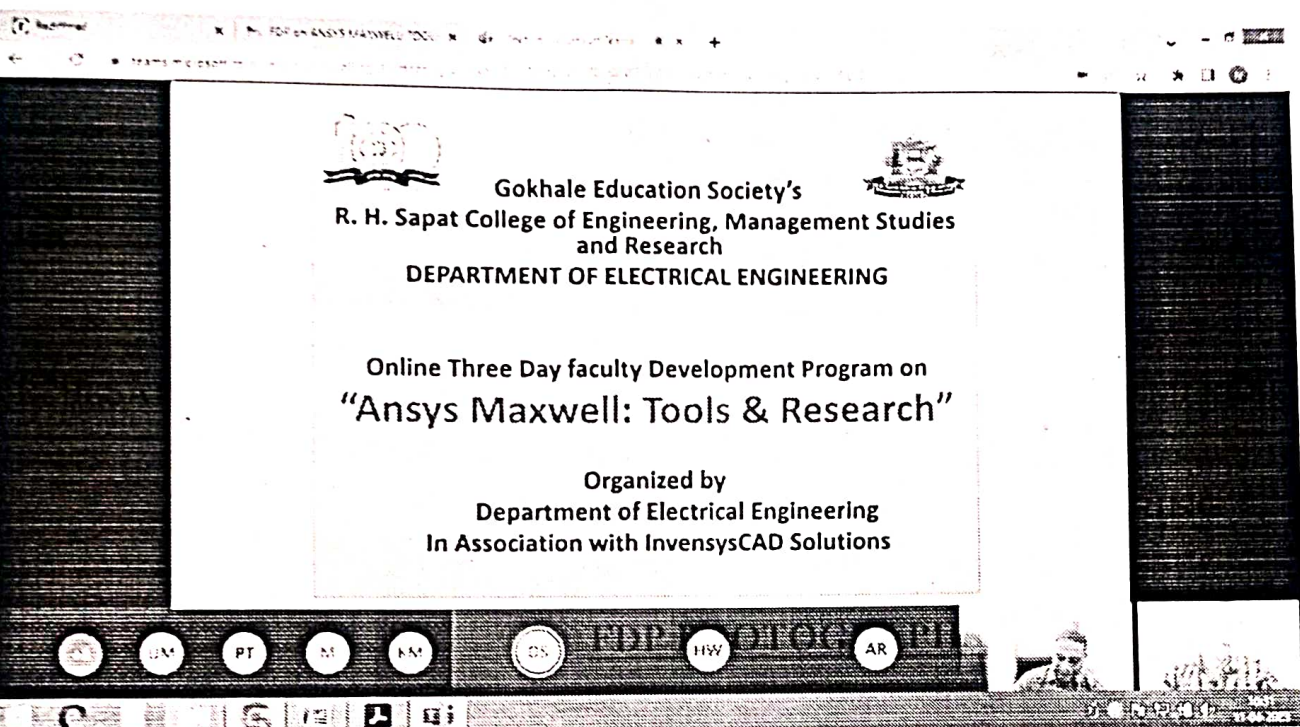
DEPARTMENT OF ELECTRICAL ENGINEERING

27	Saurabh Madharao Ingale	Assistant Professor	Electrical Engineering	Amrutvahini College Of Engineering Sangamner	Sangamner	9028384553	saaurabh.ingale@ravcoe.org
28	M Uday shankar Shetty	A.Professor	Electrical	R.H.Sapat College Of Engineering,Nashik	College Road,Nashik	9637504036	uday.shankarshetty@yahoo.com
29	Pravinkumar Abasaheb Deokar	Staff	Electrical Engg.	Met's Institute Of Engineering	Adgaon, Nashik	7972463259	denkar.pravinkumar@gmail.com
30	Samadhan Madhav Khaire	Lecture	Mechanical	Keecoem Jalgaon	Jalgaon	7620066898	khaire.samadhan13@gmail.com
31	Tulsi Santosh Warke	Student	Electrical	Gokhale Education Society Of Engineering	College Road	7972765034	twarke55@gmail.com
32	Niraj Manik Pawar	Nashik	Electrical	R.H Sapat Gokhale Clg Of Engineering	Near College Road	7823008369	nirajmpawar01@gmail.com
33	Rahul Kumar R Patel	Asst Prof	E&Tc	Keecoem Jalgaon	Behind Dic Nh6 Jalgaon	7972260700	rprahulpatel850@gmail.com
34	Sakshi Bhagwan More	Miss	Electrical Engineering	R.H.Sapat College Of Engineering	College Road	9359516172	sakmore1234@gmail.com
35	Dr R V S Ram Krishna	Associate Professor	Electrical Engineering	R H Sapat College Of Engineering Management Studies And Research	Nashik	9145766575	rvs.rk@ges-coengg.org
36	Swarali Sudhir Saraf	Be	Electrical	R.H.Sapat College Of Engineering Management And Research Nashik	Gokhale Education Society R.H.Sapat College Of Engineering, Management And Research Nashik.	9588446510	swarali.sara2001@gmail.com
37	V R Naphade	Ap	Electrical	Rhscoe	Nashik	9987537185	vrnaphade@gmail.com
38	Prathamesh Vijay Tidame	Student	Electrical Engineering	R.H.Sapat College Of Engineering	College Road Nashik	9130548662	prathameshtidme2@gmail.com
39	Mallireddy Venkateswara Reddy	Asst.prof	ELECTRICAL	R.H.Sapat College Of Engineering Management And Research Nashik	NASHIK	8919483814	venkimalireddy@gmail.com

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R. H. SAPAT COLLEGE OF ENGINEERING, MANAGEMENT STUDIES, AND RESEARCH, NASHIK
<https://ges-coengg.org>

DEPARTMENT OF ELECTRICAL ENGINEERING

FDP PHOTOGRAPHS



DEPARTMENT OF ELECTRICAL ENGINEERING

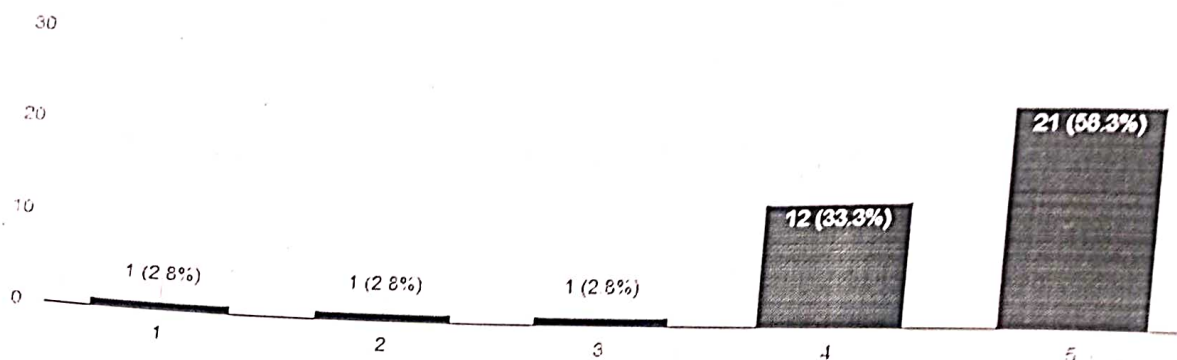
FDP FEEDBACK

FDP Feedback Link: <https://forms.gle/1zStZYcRTTDm5fvTA>

How much this session was useful from the knowledge and information point of view

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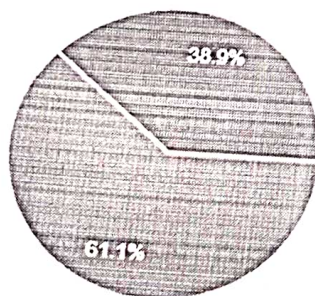
36 responses



Did the the Session cover what you are expecting?

36 responses

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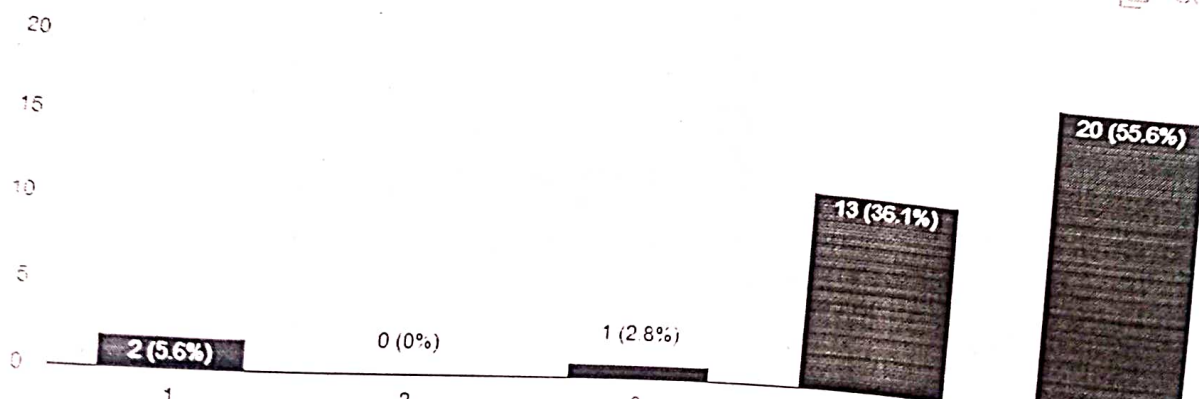


- Strongly Agree
- Agree
- Neutral
- Disagree

How would you rate the overall quality of the session?

36 responses

☐ Copy



2

3

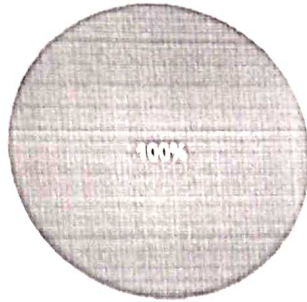
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5

Was the session helpful in achieving your learning goals?

36 responses


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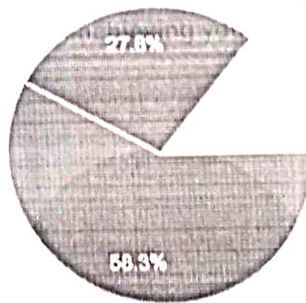


● Yes
● No
● Maybe

Overall effectiveness of the Workshop?

36 responses

 Copy



● Excellent
● Very Good
● Good
● Average

Any Suggestion?

1. Excellent Sessions. Try to organize online FDP.
2. Kindly arrange FDP on CAD /CAM/CAE
3. Very good Information sharing thank you



Gokhale Education Society's
**R. H. SAPAT COLLEGE OF ENGINEERING
MANAGEMENT STUDIES & RESEARCH**

Affiliated to Savitribai Phule Pune University, Pune
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Approved by AICTE, New Delhi & DTE (M.S.), Mumbai
NAAC Accredited B++ • ISO 9001:2015 Certified College



GES / RHSCOEMSR / 15 / 2023-24

Date:-15/04/2023

To,

Mr. Ajaysekhar Reddy

Application Engineer.

ARK Info Solution Pvt. Ltd, Bangalore.

Dear Sir,

Thank you for accepting our request to be a resource person for three day online FDP on Ansys Maxwell: Tools & Research conducted between 11 April 2023 to 13 April 2023.


We and all participants are overwhelmed by your in-depth and rigorous explanation cum training on the Ansys Maxwell and Motor CAD. We appreciate the way you have addressed all our doubts during the FDP. All the participants were happy about your all sessions during these three days.

The Department of Electrical Engineering extends a heartfelt gratitude for your valuable time and expect the same cooperation in future.

Thanking you with anticipation


FDP Coordinators




Dr. P. C. Kulkarni
Principal
PRINCIPAL
G.E.S.'s R.H.Sapat College of
Engineering & Research
Prin. T. A. Kulkarni Vidyanagar, Nashik-5

Prin. T. A. Kulkarni Vidyanagar, College Road, Nashik - 422005, Maharashtra, India.

0253-2311842 ☎ 0253 - 2570106 • Web-site : www.ges-coengg.org • Email : principal@ges-coengg.org



hod electrical <hod.electrical@ges-coengg.org>

Regarding FDP Thanks Letter & Participants List

message

od electrical <hod.electrical@ges-coengg.org>

Tue, Apr 18, 2023 at 11:29 AM

o: ajaysekhar.reddy@arkinfo.in

c: academic@invensyscadsolutions.in

Dear Sir,

Thank you for accepting our request to be a resource person for three days of online FDP on Ansys Maxwell: Tools & Research conducted between 11 April 2023 to 13 April 2023.

As per your email, I have attached the appreciation letter and participants list.

Thank You.

Regards

Prof. M. K. Chaudhari

Assistant Professor Head of department

Department of Electrical Engineering

Gokhale Education Society's

R. H. Sapat College of Engineering, Management Studies & Research, Nashik - 422 005, (M.S.), India.

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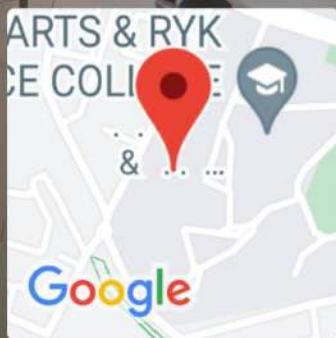
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GPS Map Camera



Nashik, Maharashtra, India

2Q35+QHV, Krishi Nagar, Nashik, Maharashtra 422005, India

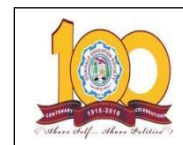
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Long 73.758997°

18/06/22 11:19 AM



Gokhale Education Society's
R. H. Sapat College of Engineering, Management Studies and Research, Nashik
Master of Computer Application(ENGG.)



First Year Student Induction Program 2022-2023

About induction program

The term induction is generally used to describe the whole process whereby the incumbents adjust to or acclimatize to their new roles and environment. In other words, it is a well-planned event to educate the new entrants about the environment in a particular institution, and connect them with the people in it.

Objectives

Purpose of Student Induction Program is to help new students adjust and feel comfortable in the new environment, inculcate in them the ethos and culture of the institution, help them build bonds with other students and faculty members, and expose them to a sense of larger purpose and self-exploration.

Day- Date-Time	Details	Involved
17-11-2022-Thursday- 10:15 to 12:30 p.m.	Students Registration and Introduction of MCA department and Staff Introduction.Parent Interaction.	Resp. Principal Sir, H.O.D. and MCA Staff.
17-11-2022-Thursday- 1:30 to 3:00 p.m.	To know your college (College campus visit)	SYMCA Students
17-11-2022-Thursday- 3:15 to 5:15 p.m.	Syllabus introduction: Discrete Mathematics and Statistics: 3:15 to 3:35 Data Structures and Algorithms: 3:35 to 3:55 Object Oriented Programming:3:55 to 4:15 Software Engineering & Project Management: 4:15 to 4:35 Information Systems and Engg. Economics: 4:35 to 4:55 Python Programming:4:55 to 5:15	MCA Staff
18-11-2022-Friday- 10:30 to 12:30 p.m.	Guest Lecture-I	
18-11-2022-Friday- 1:00 to 3:00 p.m.	Fun and Learn	PND and NVB
19-11-2022-Saturday- 10:30 to 11:30 p.m.	Mentor-Mentee Group Meet	MCA Staff
19-11-2022-Saturday- 11:30 to 12:15 p.m.	Feedback	TUA

Dr. P. A. Chaudhari

H. O. D.





CERTIFICATE OF PARTICIPATION

This Certificate is awarded to

For actively participating in 5 days Faculty Development Program on "Application Development, Tools and Research" Organized By Department of Intelligence and Data Science, VIIT, Pune, India held from 28th February - 5th March 2022.

Mr. Prasad Chaudhari
Assistant Professor
AI&DS Dept, VIIT

Mr. Yashwant Ingle
Assistant Professor
AI&DS Dept, VIIT

Dr. Parikshit Mahalle
Head of Dept
AI&DS

Gokhale Education Society's
R. H. Sapat College of Engineering, Management Studies
and Research, Nashik
Department of MCA Engineering

Webinar
on
"The Fun Working With Agile"

Date- 24 Sept 2022
Time- 10:30 a.m. to 12:30 p.m.

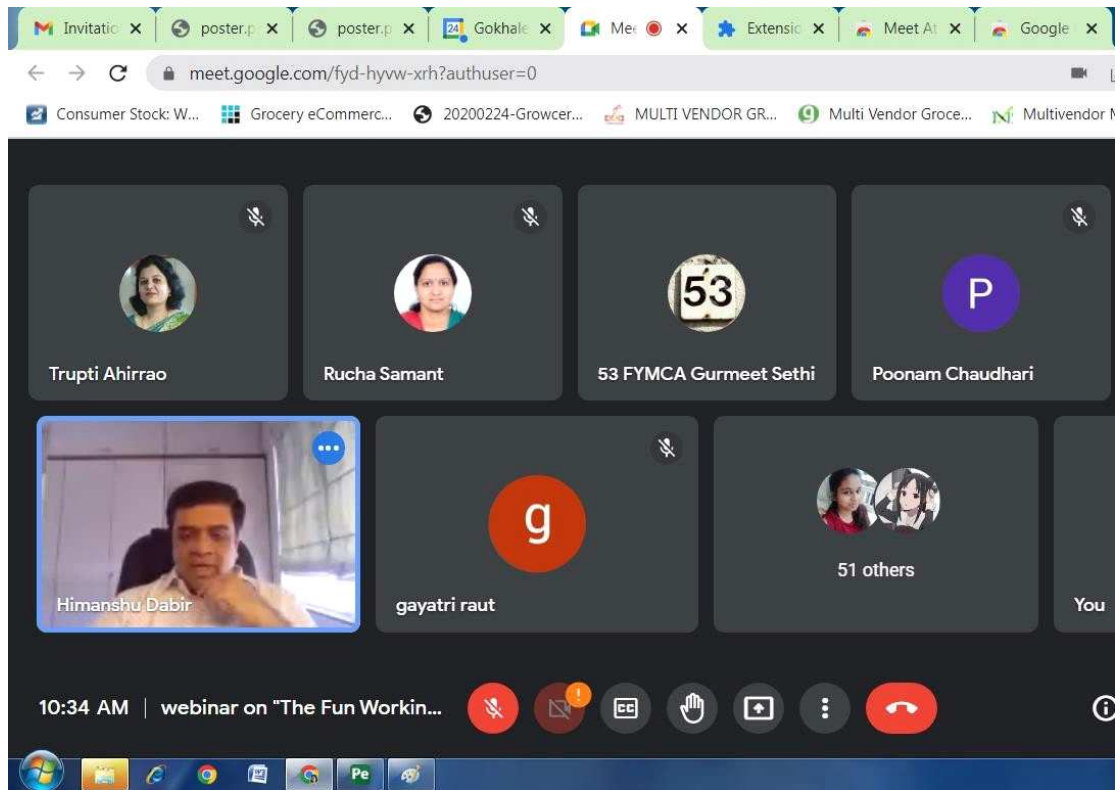
Join us on-
meet.google.com/fyd-hyvw-xrh

Our Expert
Mr. Himanshu Dabir
SAFE program consultant (SPC)- Agile C
Pune

Prof. T. U. Ahirrao
Co-ordinator

Dr. P. A. Chaudhari
H. O. D

Dr. P. A. Chaudhari





CERTIFICATE OF PARTICIPATION

IS AWARDED TO

For actively participating in 5 days Faculty Development Program on "Data Science :Tools & Research" organized by Department of Artificial Intelligence and Data Science, VIIT, Pune in association with Society for Data Science, India held from 1st to 5th November 2022.

Mr. Yashwant Ingle
Assistant Professor
AI&DS Dept, VIIT

Mr. Mandar Diwakar
Assistant Professor
AI&DS Dept, VIIT

Dr. Parikshit Mahalle
Head of Dept
AI&DS

Dr. Neha Sharma
Secretary
S4DS, India

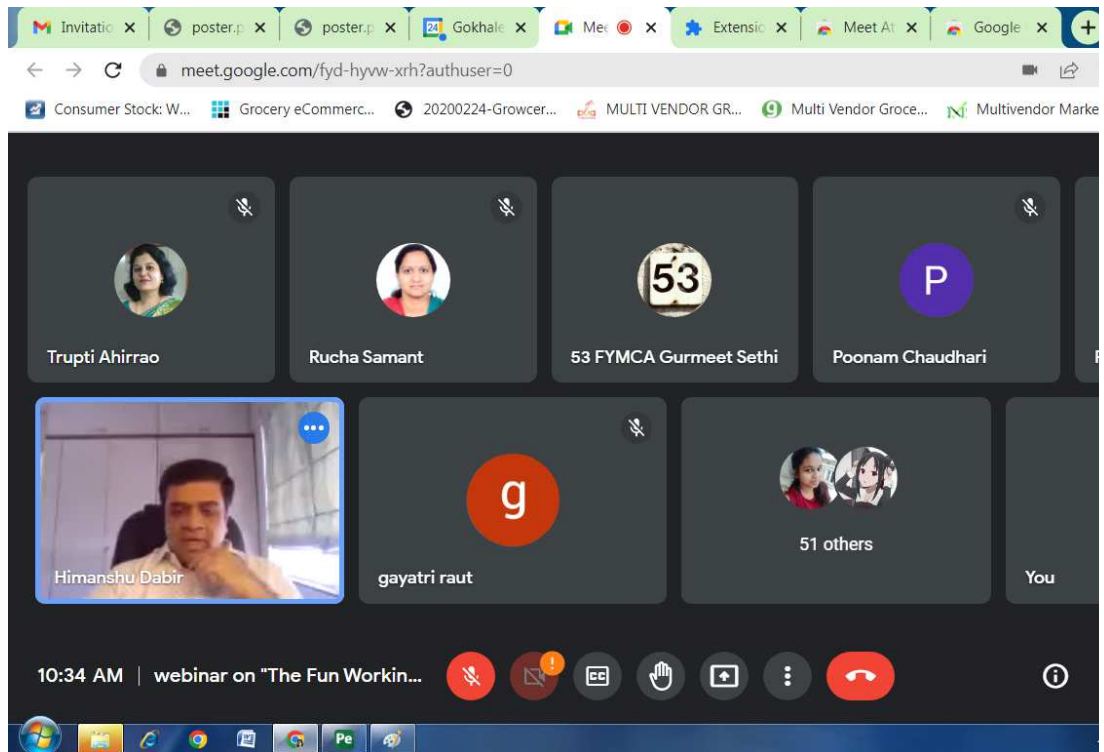
Dr. Amol G
Chairman
S4DS, India

one day webinar on “A Fun Working with Agile” Report by Prof. T. U. Ahirrao

- MCA department Organized **one day webinar on “A Fun Working with Agile” on 24th sept 2022** , speaker was Mr. Himanshu Dabir,SAFE program consultant(SPC)- Agile Coach,Pune.

Total 55 participants were attended this webinar, coordinator was Ms. T. U. Ahirrao.

Proof:



Gokhale Education Society's
R. H. Sapat College of Engineering, Management Studies
and Research, Nashik
Department of MCA Engineering

Webinar
on
"The Fun Working With Agile"

Date- 24 Sept 2022
Time- 10:30 a.m. to 12:30 p.m.

Join us on-
meet.google.com/fyd-hyvw-xrh

Our Expert

Mr. Himanshu Dabir

SAFE program consultant (SPC)- Agile Coach,
Pune

Prof. T. U. Ahirrao
Co-ordinator

Dr. P. A. Chaudhari
H.O.D

Dr. P. C. Kulkarni
Principal



Visionary Technologies

Date: 20/10/22

To,
Principal
GER R H Sapat CEMSAR
Nasik

Subject: Regarding the training session conducted for staff members in the Department of Electronics and Telecommunication engineering

Dear Sir,

With the reference to the subject above our team from the Visionary Technologies has given training to your staff members from the department of electronics and Telecommunication engineering. We have covered SCADA iFIX programming software and DCS software training during the session

We found a very good response from your faculty members and we appreciate the enthusiasm shown by the head of the department Dr. S P Agnihotri for the execution of this training program during 11/10/22 and 19/10/22

We found almost 6 staff members and 2 Lab assistant present during the training which includes Dr. Agnihotri S P, Mr. B W Raut, Mr. Lokhade P D, Mr. Karad K V, etc

We would like to inform you that you can contact our company for any technical difficulty or support in future

Greetings from



Visionary Technologies

Working Off. : B-11, A- Road, 4th Street, NICE Area, ITI Signal, MIDC, Satpur, Nashik - 7.


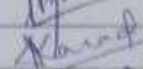
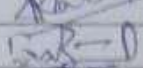
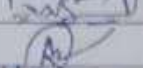
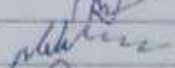
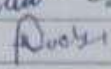
E-mail: santosh.b@vistech.in, sales@vistech.in Web : www.vistech.in

Reg. Off.: 2, 1st Floor, Vijay Chambers, Above Idea gallery, Opp. Cricket Ground, Mahatma Nagar, Nashik - 7


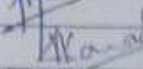
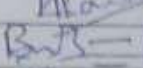
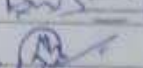
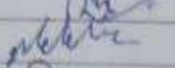
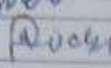
Gokhale Education Society's
R. H. Sapat College of Engineering, Management Studies & Research,
Nashik-05
Department of Electronics & Telecommunication Engineering
Academic Year 2022-23


Attendance sheet for training session conducted in the Department of Electronics and Telecommunication engineering by Visionary Technologies for E&TC staff members on 11/10/22 and 19/10/22

For the date 11/10/22

Sr. No	Name of staff	Designation	Sign
1	Dr. S P Agnihotri	Head, Associate Prof	
2	Mr. K V Karad	Assistance Prof	
3	Mr. B W Raut	Assistance Prof	
4	Mr. D M Raut	Assistance Prof	
5	Mr. P D Lokhande	Assistance Prof	
6	Mr. C K Vaidya	Lab Assistant	

For the date 19/10/22

Sr. No	Name of staff	Designation	Sign
1	Dr. S P Agnihotri	Head, Associate Prof	
2	Mr. K V Karad	Assistance Prof	
3	Mr. B W Raut	Assistance Prof	
4	Mr. D M Raut	Assistance Prof	
5	Mr. P D Lokhande	Assistance Prof	
6	Mr. C K Vaidya	Lab Assistant	


Dr. Agnihotri S P
Head, Dept of E&TC