3.2.2 Number of workshops/seminars conducted on Research Methodology,Intellectual Property Rights (IPR) and entrepreneurship during the year

SN	Name of the workshop/ seminar/ conference	Date	Page Number
1	Signals and systems	29 Feb 2024-12 April 2024	1
2	PLC SCADA and Industry 4.0 Seminar	10 August 2023 - 10 August 2023	10
3	Seminar on Scope for Automated testing in Industry	23 August 2023 to 23 August 2023	16
4	MATLAB WORKSHOP	14 Sept 2023 - 14 Sept 2023	24
5	Seminar on "AWS and Linux: Building Robust Cloud Infrastructures	26 September 2023 to 26 September 2023	30
6	Webinar on Designing Software	18 June 2020 -18 June 2020	37
7	Webinar on AUTOCAD Software	6 December 2020 - 6 December 2020	40
8	Workshop on Advanced Trends in Robotics	11 March 2020 - 11 March 2020	43
9	Webinar on Un-academy Application	28 July 2021 - 28 July 2021	46
10	Workshop on Start ups and New Ventures	5 Oct 2023 - 5 Oct 2023	50
11	Seminar on DESIGN OF STEEL STRUCTURES (DSS)	12 Nov 2023 - 12 Nov 2023	54
12	Workshop on AWS Cloud Networking Security: Protecting Your Data and Applications	11 Dec 2023 - 12 Dec 2023	58
13	Advance Java with spring boot	27 Jan 2024 - 29 Jan 2024	65
14	In-Depth Data Analysis with Python: Methods, Tools, and Best Practices	22 Feb 2024 - 22 Feb 2024	78
15	Workshop on Research Methodology	14th Feb 24 to 15th Feb 24	85
16	Next-Gen Data Science: Utilizing AI and Python for Advanced Analysis	4 March 2024 - 5 March 2024	90
17	Data Visualization with Tableau, Creating Interactive Dashboards and Reports	19 April 2024 - 19 April 2024	97
18	ARM Based Embedded Web Server	07 Sept 2022 - 07 Sept 2022	104
19	Flexible Battery Technologies	07 Sept 2022 - 07 Sept 2022	110

		12 Sept 2022 - 12 Sept	114
20	3DPrinting Workshop	2022	
21	Electricity Theft Monitoring System	21 Oct 2022 -21 Oct 2022	121
22	Research Paper Writing	09 Jan 2023 - 09 Jan 2023	126
23	Intellectual Property Rights	13 March 2023 - 13 March 2023	131
24	Java and Artificial Intelligence: Integrating AI into Java Applications for Smarter Solutions	12 Nov 2024 - 12 Nov 2024	135
25	Seminar on Beyond the Basics: Expert Data Analysis with Excel and Power BI	04 Dec 2022 - 04 Dec2022	142
26	Workshop on Case Study	21 Dec 2022 - 22 Dec 2022	149
27	Workshop on Research Methodology	06 Jan 2023 - 24 Jan 2023	153
28	IOT – INTERNET OF THINGS	22 Sept 2021 - 22 Sept 2021	157
29	AWS-Powered DevOps: Building and Managing Scalable Applications	19 Jan 2022 - 19 Jan 2022	163
30	Mastering Python from Frontend to Backend	16 Feb 2022 - 16 Feb 2022	167
31	Workshop on Case Study	25 March 2022- 26 March	174
32	Innovation Driven Society for sustainable Development	29 April 2022 - 29 April 2022	178
33	National Intellectual property Awareness Mission	07 june 2022 - 07 june 2022 to	182
34	RECENT TRENDS ELECTRICAL HYBRID VEHICLE	20 August 2020 - 20 August 2020	186
35	BMS - BATTERY MANGEMENT SYSTEM	3 Sept 2020 - 3 Sept 2020	192
36	Workshop on Case Study	25 April 2021 - 26 April 2021	198
37	NS 2 Workshop	1 November 2019- 1 November 2019	201
38	RENEWABLE ENERGY TECHNOLOGIES	8 November 2019 - 8 November 2019	206
39	EMERGING TRENDS IN ELECTRICAL SOLAR SYSTEM	11 December 2019 - 11 December 2019	211
40	Expert Lecture on Cloud omputing Hands on Training	20 Dec 2019 - 20 Dec 2019	217

41	Advances in Robotics	3 January 2020 - 3 January 2020	221
42	AIML	10 January 2020 - 10 January 2020	225







Date: 26th Feb 2024

NOTICE

All S.E. E&TC students are hereby informed that Department of E&TC of NESGI-FOE has scheduled an expert lectures on Signals and systems subject for students of S.E.(E&TC).All are informed to attend the same. Schedule for Expert Lectures session is arranged as follows.

Sr.No	Date and Time	Location	Description
1.	29 th feb 2024 10 am to 4 pm	SE Classroom 344	Fundamentals of Signals and Systems, Continuous Time (CT) Signals
2.	9 th march 2024 10 am to 4 pm	SE Classroom 344	Continuous Time (CT) Systems, Discrete Time (DT) Signals,
3.	29 th and 30 th march 2024 10 am to 4 pm	SE Classroom 344	Discrete Time (DT) Systems, Sampling and Reconstruction Z Transform of Signals
4.	12th April,	SE Classroom	Laplace Transform and probability
	10 am to 4 pm	344	

Prof.S.R.Shinde Coordinator



Prof.L.M.Sagale Head of Department

Navsahyadri Education Society's Group of Institutions, Pune Department of ENTC Engineering Academic Year 2023-24



Date: 08/4/2024

Te. The Principal NESGI, Pune.

Subject: Permission regarding arranging Guest Lecture.

Respected Sir,

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We ENTC Engineering department of Navsahyadri Education Society's Group of Institutions, Naigaon want to arrange Guest lecture on "Signal And System" which is a Subject of academics for SE ENTC Engineering Students. I kindly request you to please sanction the Remuneration of 5000/- for 1 day.

The lecture will be conducted on 12th April 2024, Time: - 10.00 AM to 4.00 PM.

Remuneration = 1000* 5 hours =Rs 5000/ Day

Subject	Topics	Name of Guest	Class
Signal And System	UNIT-6	Prof. R A Barapate	S. E. ENTC

Experience-

1. 30 years of experience in teaching field.

Qualification-

1. Ph.D. (Pursuing), ME. (Microwave)

Prof. S. R. Shinde Co-Ordinator

Prof. D.M. Sagale HOD

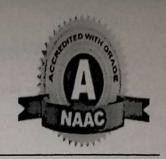
Dr. M. V. Dalvi Principal

Group of Institu Naigaon Tal. Bhor, Dist . Pune

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Navsahyadri Education Society's Group of Institutions, Pune Department of ENTC Engineering Academic Year 2023-24



Date: 21/3/2024

To, The Principal NESGI, Pune.

Subject: Permission regarding arranging Guest Lecture.

Respected Sir,

We ENTC Engineering department of Navsahyadri Education Society's Group of Institutions, Naigaon want to arrange Guest lecture on "Signal And System" which is a Subject of academics for SE ENTC Engineering Students. I kindly request you to please sanction the Remuneration of 5000/- for 1 day.

The lecture will be conducted on 29th march 2024 and 30th march 2024, Time: - 09.00 AM to 4.00 PM.

Remuneration = 1000* 10 hours = Rs 10000

Subject	Topics	Name of Guest	Class
Signal And System	UNIT-3 & 4	Prof. R A Barapate	S. E. ENTC

Experience-

1. 30 years of experience in teaching field.

Qualification-

1. Ph.D. (Pursuing), ME. (Microwave)

Prof. S. R. Shinde Co-Ordinator Prof.L.M.Sagale HOD Dr. M. V. Dalvi Principal





EXPERT LECTURE

DEPARTMENT: E&TC

CLASS: S.E.

NAME OF GUEST: Prof.R.A.Barapate

TITLE/TOPIC: "Signals and Systems"

<u>DAY & DATE</u>: Friday 29/02/ 2024, Saturday 9/03/2024, Friday and Saturday29/3 and 30/3/2024

DURATION OF SESSION: 18 hrs

STUDENT/ STAFF PRESENT: 28/01

CO-ORDINATOR: Asst. Prof. S.R.Shinde

<u>OBJECTIVE</u>: To describe various signals and systems mathematically and understand how to perform mathematical operations on them. 2. Also familiar with commonly used signals such as the unit step, ramp, and impulse function, sinusoidal signals, complex exponentials and their operations. 3. Analysis using Fourier series and Fourier transform for a given signal.

<u>DESCRIPTION</u>: Department of E&TC engineering organized expert lecture for S.E. Students which is based on "Signals and Systems" subject to help them to understand Fundamentals of Signals and Systems, Continuous Time (CT) Signals and Systems, Discrete Time (DT) Signals and Systems, Sampling and Reconstruction Z Transform of Signals, Fourier Series (FS) and Fourier Transform (FT) of CT and DT signals.

Expert Lectures session were arranged as per following.

Sr.No	Date and Time	Location	Description
1.	29 th feb 2024 10 am to 4 pm	SE Classroom 344	Fundamentals of Signals and Systems, Continuous Time (CT) Signals
2.	9 th march 2024 10 am to 4 pm	SE Classroom 344	Continuous Time (CT) Systems, Discrete Time (DT) Signals,
3.	29 th and 30 th march 2024 10 am to 4 pm	SE Classroom 344	Discrete Time (DT) Systems, Sampling and Reconstruction Z Transform of Signals
4.	13th April 2024 10 am to 4 pm	SE Classroom 344	Laplace Transfom and Probability





CONCLUSION:

Students were able to understand mathematical description and representation of continuous and discrete time signals and systems. Develop input output relationship for linear shift invariant system and understand the convolution operator for continuous and discrete time system Understand and resolve the signals in frequency domain using Fourier series and Fourier transform Understand the limitations of Fourier transform and need for Laplace transform and develop the ability to analyze the system in s-domain. Understand the basic concept of probability, random variables & random signals and develop the ability to find correlation, CDF, PDF and probability of a given event.



PHOTOS DURING SESSION:







Prof.R.A.Barapate sir guiding the student on dated 29th Feb 2024





Prof.R.A.Barapate sir guiding the student on dated 9th march 2024

Prof.S R. Shinde Co-ordinator



Prof. L.M.Sagale HOD (E&TC.)

NESGI'S Faculty of Engineering, Naigaon, Pune-412213 Department of Electronics & Telecommunication Engineering

Guest Lecture Attendance sheet , Class: SE

Subject: SS Date- 12/4/2024

SEM-II (2023-2024)

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Roll No.	Name of Student	Sign
1	Bandal Shraddha Sunil	Parely
2	Bhosale Harsh Tejas	How
3	Bochare Ganesh Ravindra	Rie
4	Bodkhe Parth Ravindra	Bodkh
5	Chopade Ayushka Prashant	Monach
6	Date Yuvraj Balasaheb	Hart.
7	Dede Vishwajeet Dattatray	V.D. Docte
8	Desai Pooja Hanmant	P.H.0300
9	Jagtap Narendra Shivaji	Posendy
10	Kangade Ajinkya Sanjay	AB
11	Kank Akanksha Dnyanoba	Monk
12	Khandale Srushti Ramchandra	Trindal
13	Mugade Premraj Bandu	Brugode
14	Patil Ishant Bhushan	FREIN
15	Salunke Pranay Jagannath	Source
16	Salunkhe Pratik Vishwas	90
17	Sarpale Madhuri Tanaji	Margale
18	Saswade Shreyaskumar Dilip	
19	Shedage Prathamesh Balaso	Dishedago
20	Shelke Ritika Sandip	Theke.
21	Shinalkar Purva Kailas	Pahmalkurs
22	Sulane Akanksha Kailas	
23	Sutar Siddhi Somnath	Estate
24	Thorat Shivani Avinash	Chorat
25	Tilekar Shailesh Navnath	SPP 4
26	Vanarse Pradnya Dashrath	Prestruje
27	Choudhari Pratiksha Popat	applieuchen-
28	Mehetre Bhagyashri Sadashiv	Mhelge
29	Dhotre Amruta Rajkumar	amuta
30	Auchare Aditya Ashok	tw
12.14		
21 12 12 12	Salaria Group of Institution	

Naigaon Tal. Bhor, Dist . Pune

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Date: 12/04/2024.

Remuneration Letter

To, Prof. R A Barapate Keystone SOE PUNE.

Subject: Remuneration for expert lectures of Signals and Systems.

Department of E&TC of NESGI-FOE express our appreciation to you for the expert lecture on "Signals and Systems". It was extremely informative and we appreciate your personally taking time to provide us with the timely information. Total 23 hrs., were utilised for signals and systems expert lectures and per hour Remuneration is 1000 Rs, so total amount is 23000 Rs for all sessions.

Sr.No	Date and Time	Location	Total amount received
1.	29 th feb 2024 10 am to 4 pm	SE Classroom 344	4000 by cash
2.	9th march 2024 10 am to 4 pm	SE Classroom 344	4000 by cash
3.	29 th and 30 th march 2024 10 am to 4 pm	SE Classroom 344	10000 by cheque
4.	12th April 2024	SE Classroom 344	5000 by cash

Once again, thank you for making the expert lecture successful, and we appreciate your continued support in future.

Group of Inst

Naigaon Tal. Bhor,

Prof.S.R.Shinde Coordinator

Reid 1000

Prof.L.M.Sagale Head of Department



Date-12th April, 2024

APPRECIATION LETTER

To, Prof. R A Barapate Keystone SOE PUNE.

Department of E&TC of NESGI-FOE express our appreciation to you for the expert lecture on "Signals and Systems". It was extremely informative and we appreciate your personally taking time to provide us with the timely information. Definitely all the participants have benefited from your talk and we are very much thankful to you for making it convenient to be here at our place.

Once again, thank you for making the expert lecture successful, and we appreciate your continued support in future.

Sincerely,

Prof.S.R.Shinde Coordinator Prof.L.M.Sagale Head of Department

Recoling





Navsahyadri Group of Institutions, Faculty of Engg. Department of Electrical Engineering Academic Year: 2023-24



NOTICE

All students of Electrical Engineering Department are hereby informed that a seminar on **PLC SCADA and Industry 4.0** will be conducted as per the details below:

Date: 10 August 2023 **Time:** 10:00 am

Speaker: Mr. Vaibhav Dasture and Mr.Shikant Pawar

Key Highlights:

- Introduction to **Programmable Logic Controllers (PLC)** and their role in industrial automation.
- Overview of SCADA (Supervisory Control and Data Acquisition) systems.
- Insights into **Industry 4.0** and the future of smart manufacturing.
- Real-world applications and case studies.

Note: Attendance is mandatory.



Prof. Akshay S. Kale (HOD Electrical) 9921659594 er.akshaykale@gmail.com



Dr. M. V. Dalvi

Principal

NESGI, Faculty of Engineering
Gat No 80,70,71 Magazin, Tall Bhor, Det. Prince

Dr. Manojkumar Dalvi Principal, NGIFOE, Pune



NAVSAHYADRI GROUP OF INSTITUTES, FACULTY OF ENGINEERING



Sr. No. 69,70,71, Naigaon (Nasarapur), Pune-Satara Highway, Pune-412213

Department of Electrical Engineering

10/08/2023

ACTIVITY REPORT

PLC SCADA and Industry 4.0 Seminar

Date : 10 August 2023

Time : 11:30 AM – 02:00 PM

Venue : Electrical Engineering Department, Navsahyadri Group of Institutions.

Attendee : Departmental Staff and Students.

Details:

On August 10, 2023, the Electrical Engineering Department of Navsahyadri Group of Institutions organized a expert Lecture on Programmable Logic Controllers (PLC) and Supervisory Control and Data Acquisition (SCADA) systems. The guest speaker, Mr. Vaibhav Dasture and Mr. Shikant Pawar an expert in the field of industrial automation and control systems, delivered an insightful presentation that provided attendees with a comprehensive understanding of PLCs and SCADA systems and their role in modern industries.

Key Topics Covered:

Introduction to PLC and SCADA:

The lecture began with an overview of PLCs and SCADA systems, their history, and their significance in industrial automation. The speaker highlighted how PLCs serve as digital computers for controlling manufacturing processes, while SCADA systems provide real-time data visualization and control over large-scale processes.

PLC Architecture and Programming:

The guest speaker delved into the architecture of PLCs, discussing the various components such as the central processing unit, input/output modules, memory, and communication interfaces. The audience gained insights into ladder logic programming, which is commonly used to create control logic for PLCs. Practical examples of ladder logic programming were shared to illustrate the concepts.

SCADA Components and Functionality:

Attendees were introduced to the components of a SCADA system, including human-machine interfaces (HMIs), remote terminal units (RTUs), communication protocols, and databases. The lecture emphasized the role of SCADA systems in real-time data acquisition, monitoring, and control of industrial processes.

Integration of PLC and SCADA:

The guest speaker highlighted the seamless integration of PLCs and SCADA systems in industrial settings. Examples of how PLCs control processes on the factory floor, while SCADA systems provide operators with a visual representation of the entire process, were presented.

Industrial Applications and Case Studies:

The lecture showcased several real-world industrial applications where PLCs and SCADA systems play a crucial role, such as manufacturing, power generation, water treatment, and oil and gas industries. Case studies were discussed to illustrate the efficiency and benefits brought about by these technologies.

Advantages and Challenges:

The guest speaker discussed the advantages of using PLCs and SCADA systems, including increased productivity, reduced human error, and enhanced process control. The lecture also touched on potential challenges, such as cyber security concerns and the need for regular maintenance and updates.

Photograph of the Event:







Prof. Akshay S. Kale (HOD Electrical) 9921659594 er.akshaykale@gmail.com



Dr. M. V. Dalvi

Principal

NESGI, Faculty of Engineering
Gat No.89,70,71 Naigaon, Tal. Bhor, Dist. Pune

Dr. Manojkumar Dalvi Principal, NGIFOE, Pune

ATTENDANCE

Roll No.	Name of Students	, Remark Signature
1	CHAVAN SUYOG B.	Chenais_
2	KANGADE PRATIK H	Prest.
3	KUDALE SURAJ SANJAY	feedallo
4	BANSOD KRUTIKA GOVIND	B: publy
5	BHORDE SAKSHI BHAUSO	Sala
6	CHOPADE TIMIRESH R.	Timbellion
7	DHONGADE OMKAR S.	omkar
8	GANDHALE VAISHNAVI U.	Nichma
9	ITHAPE ABHIJIT BHAUSO	Marie
10	KAMBLE POONAM B.	Romany
11	KIRTE SHUBHAM SHAILEJ	Shahara
12	NIGADE JAYDEEP S.	vara est
13	PATIL ANKITA VISHWAS	Intota
14	PAWAR PRARABDH P.	Manter.
15	SALPEKAR NAYAN BABU	Mayan
16	SALVE KALPESH SATISH	to new 2
17	SANKPAL MANTHAN S.	Manthew
18	THAKAR SAKSHI UMESH	Carin
19	WAGHMARE SUMIT T.	Sum All
20	YENPURE GAYATRI P.	1 Janque
21	ZURANGE RITESH R.	Stat
	Visit Coordinator Prof. S. E. Sawarkar	HOD Prof. Akshay S. Kale

Navsahyadri Group of Institutions Faculty of Engineering



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- 2 HEALTHCARE
- 3 FINANCE
- 4 AUTOMOTIVE

Department of Computer Engineering

VENU: COMPUTER CENTER
TIME: 10:00 AM
23 August 2023

Contact:

Prof. R. R. Bhuvad 9623024926



Navsahyadri Group of Institutions, Faculty of Engg. Department of Computer Engineering Academic Year: 2023-24



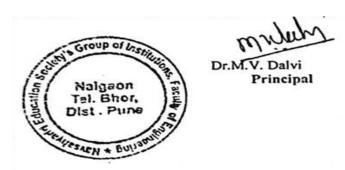
NOTICE

All students of the Computer Engineering Department are hereby informed that a Seminar on Scope for Automated testing in Industry will be conducted on 23 August 2023 NESGI Campus at 10:00 am. The Guest Speakers are Mr. Vaibhav Dasture and Mr.Shikant Pawar.

Key Highlights:

- Importance of automated testing in modern industries.
- Tools and technologies used for automated testing.
- Industry applications and case studies.
- How automated testing can enhance productivity and efficiency in various sectors.
- Career opportunities in automated testing and quality assurance.

Note: Attendance is mandatory.





NAVSAHYADRI GROUP OF INSTITUTES, FACULTY OF ENGINEERING

Sr. No. 69,70,71, Naigaon (Nasarapur), Pune-Satara Highway, Pune-412213

Department of Computer Engineering

ACTIVITY REPORT

- 1. Title of Activity: Seminar on Scope for Automated testing in Industry
- 2. Date & venue: 23 August 2023 NESGI Campus.
- 3. Number of Students Participated: 56
- 4. Outcomes of activity:
- Increased Awareness: Students were informed about the critical role of automated testing in modern software development and its advantages over manual testing.
- **Practical Understanding:** Participants gained hands-on experience with industry-standard automated testing tools like Selenium and TestNG.
- **Industry Readiness:** Students were made aware of the current trends and demands in the industry, preparing them for careers in automated testing.
- Motivation for Further Learning: The session inspired students to pursue additional training and certifications in automated testing to enhance their career prospects.

5. Description of activity:

- The Computer Engineering Department of NAVSAHYADRI GROUP OF INSTITUTES, FACULTY OF ENGINEERING organized a Seminar titled "Scope for Automated Testing in Industry". This seminar is conducted by guest of honor Mr. Rajesh Shukla. Our respected Principal Dr. M.V. Dalvi was present and actively participated in the activity to motivate students. Guests provide students with a comprehensive understanding of automated testing, a crucial aspect of the software development process. The session started with a presentation on the basics of software testing, highlighting the limitations of manual testing and the growing need for automation in the industry.
- Industry professionals were invited to share their experiences and insights, discussing the evolution of
 automated testing and the tools that are currently popular in the market. The speakers demonstrated how
 automated testing tools like Selenium and JUnit are used in real-world scenarios to ensure software quality and
 reliability.
- The session included a live demonstration where students could observe the setup and execution of automated tests. This practical component allowed them to understand the workflow of automated testing and the benefits it offers in terms of efficiency and accuracy.

• The activity concluded with a Q&A session, where students engaged with the experts to clear their doubts and gain further insights into the practical challenges and solutions in automated testing.

6. Summary & conclusion

The activity was successful in meeting its goals of educating students about the importance and scope of automated testing in the industry. Participants left with a deeper understanding of the tools and techniques used in automated testing and were encouraged to further explore this field. The session emphasized the increasing demand for automated testing professionals and the career opportunities available in this domain. Overall, the event was highly beneficial for students aspiring to enter the software testing industry.

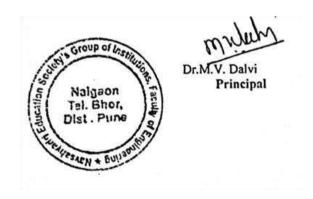
7. Feedback

The feedback from the participants was overwhelmingly positive. Students appreciated the depth of information provided and the practical demonstrations, which made the concepts more relatable. Many expressed a strong interest in pursuing further studies and certifications in automated testing. The session was praised for its relevance to the current industry needs and its ability to motivate students toward a career in this field.

8. Photos of activity.







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Roll No.	Name of Students	Signature
1	AMATE ADITYA PRASHANT	Aprile
2	AMBLE ARTI MININATH	A.K.A.
3	ANJALI SANTOSH KOLHE	Akores
4	AVINASH SHRIMANT VHANMANE	(Algoria
5	BADADHE RAJGAURI SUNIL	Consider
6	BHILARE NUTAN SANTOSH	Outan
7	CHANDANE RAJ TANAJI	199
8	CHAVAN DIGVIJAY SATISH	
9	DARULU VINAY KUMAR	V. Qumor.
10	DESHMUKH SAUGANDH CHARUDATTA	Digadh.
11	DHANAWADE ABHAY RAJENDRA	ARRY
12	DHAYGUDE RUTUJA DHONDIBA	D. Rutiga
13	DHUMAL PRATIK SHIVAJI	Brotik
14	DONODE PRACHI GAJANAN	P.Donade
15	GAIKWAD KAJAL RAMDAS	Abyal
16	GAIKWAD SHRADDHA SURESH	Shraddhale
17	GANESH BHARAT VHANMANE	Vlamone.
18	GAVHANE SHUBHAM RAJENDRA	OF.
19	GHADAGE AMIT DATTATRAY	@mist2
20	GUND SANJOG SHIVAJI	- Sorges
21	GURAV DIVYA SATISH	Stino
22	HIRE VINAY ASHOK	ture.V.A
23	INGLE VISHAL NAVANATH	
24	JAGTAP JANHAVI KRISHNARAO	Jerotal.
25	JAMDADE SHRUTIKA CHANDRAKANT	
26	JHODGE SAHIL RAHUL	Satila J. R
27	KHARIWALE SANIKA SURYAKANT	Rohitokultoni
28	KULKARNI ROHIT VASANT	Kendyalerie
29	MENDHE UTKARSH GANESH	
30	MISALE SANJANA JAGDISH	

31	MUNDANKAR SHRUTI RAJESH	MShrat
32	NANGARE HARSHAD DATTATRAYA	N. Horshada
33	NAYAN DILIP BUDGUDE	Number 1968
34	PAMANE SHWETA DEVIDAS	Onlip
35	PARIHAR SHLOK MANOJSINGH	Burk
36	PAWAR ADITYA DHANANJAY	Alitya
37	PAWAR AMAR BHAU	P.Amar.
38	PAWAR KARTIK SHIVAJI	Kartikama
39	PAWAR SANKET SANTOSH	
40	PISAL AKSHAY SANJAY	Alghor
41	PISAL SHREYAS VIJAY	Fish.
42	POL TANMAY SURYAKANT	HOLDER WAS
43	PRATIK SUNIL SHELKE	P.S. Shelke
44	REDDY LAKHAN NARAYAN	lathorn
45	SADAFALE KUSHAL JAYANT	Kushal S
46	SAKSHI PANDURANG BURLE	
47	SAKSHI SUNIL KADAM	
48	SALUNKHE AAKANKSHA AVINASH	AAKarshaf
49	SALUNKHE ANISHA SANJAY	Anisha. S.
50	SANIKA MEGHRAJ ERANDE	48
51	SANIKA SANJAY MANDHARE	
52	SAURAV RANJEET KUMAR	Barrar
53	SAWANT AKASH ANANDARAO	-Alash:
54	SAYLI VITTAL VACHAKAL	Sayali
55	SHINDE PRATHAMESH VYANKAT	
56	SHINDE PRATHMESH SHIVAJI	Shinde
57	SHINDE ROHAN PRATAP	CB CB
58	SHIVAM ANAND GAIKWAD	fraud 8L.
59	SHRIHARI VIJAY GAIKWAD	Vijano.
60	SINGH ANKIT RAJESH	Ankit
61	SURWASE VAIBHAV DATTATRAY	Wille
62	TAWARE KETAN RAVINDRA	Ketar
63	VAISHNAVI RAMCHANDRA KAMBLE	Hambele.

64	WADKAR ROSHAN SHIVAJJ	
65	WADKAR VAISHNAVI BAJRANG	W. Vaishnaulo
66	WAGHMODE PRASANNA DADA	Brownew
67	WAGHMODE SAMARTH DADA	
68	WANJALE AARTI NANDKUMAR	Mus. vargalo
69	WANKHEDE SANKET RAJENDRA	
70	YADAV AADITI RAJARAM	Addity
71	YADAV YOGITA ANANT	
72	YEDAVE VALLABH SANJAY	
73	YEMUL SAIKRISHNA SHRIKANT	2 Soutisting



Dr.M.V. Dalvi Principal



Navsahyadri Group of Institutions, Faculty of Engg. Department of Electrical Engineering Academic Year: 2023-24



NOTICE

All students of Electrical Engineering Department are hereby informed that on September 14th,2023, the Electrical Engineering Department of Navsahyadri Group of Institutions organised a Workshop on MATLAB, on occasion Engineers day.

The workshop commenced at 10:00 AM in the Class Room No. 311 of the Electrical department. Guest of today's program was Pratiksha Rachmale. In this workshop following points are discussed.

Prof. A. D. Pachghare Workshop Coordinator Electrical Engg. Dept. Prof. Akshay S. Kale HOD, Electrical Engg. Dept. Dr. M. V. Dalvi

Principal

NESGI, Faculty of Engineering
Get No.69,70,71,Nangara, Tal Bhor, Dist. Pure

Dr. Manojkumar Dalvi Principal, NGIFOE, Pune



Navsahyadri Education Society's Group of Institutes FACULTY OF ENGINEERING

Pune-Satara Road, Naigaon, Pune-412213

<u>Electrical Engineering Department</u>

14/09/2023

ACTIVITY REPORT

MATLAB WORKSHOP

Date : 14 September 2023

Venue : Electrical Engineering Department, Navsahyadri Group of Institutions

Attendee : Departmental Staff and Students

Details:

On September 14th,2023, the Electrical Engineering Department of Navsahyadri Group of Institutions organized a Workshop on MATLAB, on occasion Engineers day. The workshop commenced at 10:00 AM in the Class Room No. 311 of Electrical department.

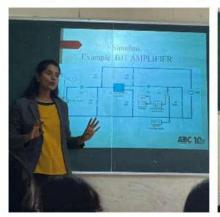
Guest of today's program was Pratiksha Rachmale, working as trainer in ABC Training Institute. In this workshop following points are discussed.

- **1. Workshop Topics:** MATLAB workshops can cover a wide range of topics, depending on the level and focus of the workshop.
- 1.1 Common topics include: Introduction to MATLAB basics: This covers the MATLAB environment, syntax, and basic operations.
- 1.2 Data visualization: Creating plots, charts, and graphs to visualize data.
- 1.3 Data analysis: Techniques for data manipulation, statistics, and data processing.
- 1.4 Numerical computation: Solving equations, performing mathematical operations, and working with matrices.
- 1.5 Simulink: Introduction to Simulink, MATLAB's tool for modeling and simulating dynamic systems.
- 1.6 Image processing and signal processing: MATLAB's capabilities in these domains.
- 1.7 Machine learning and deep learning: How to use MATLAB for building and training machine learning models.
- 1.8 Advanced topics: More specialized topics like optimization, control systems, and more.
- **2. Workshop Format:** Workshops can be conducted in various formats, including: In-person workshops: These are held at physical locations, typically universities, training centers, or conference venues.

- 2.1 Online workshops: Conducted over web conferencing platforms, allowing participants to join remotely.
- 2.2 Self-paced workshops: Participants are given access to pre-recorded video lectures and exercises to complete at their own pace.
- **3. Instructors:** Workshops are typically led by experienced instructors who are proficient in MATLAB. Instructors may be MATLAB experts, academics, or industry professionals with relevant expertise.
- **4. Workshop Materials:** Participants often receive workshop materials such as lecture notes, code examples, datasets, and exercises to work on during the workshop. These materials are valuable for learning and reference.

Photograph of the Event:















Prof. A. D. Pachghare Workshop Coordinator Electrical Engg. Dept.



Prof. Akshay S. Kale HOD, Electrical Engg. Dept.

Dr. M. V. Dalvi
Principal
NESGI, Faculty of Engineering
Gat No.89,70,71,Naigaon, Tal. Bhor, Dist. Pune

Dr. Manojkumar Dalvi Principal, NGIFOE, Pune



Navsahyadri Group of Institutions Department of Electrical Engineering Academic Year 2023-2024 TE ATTENDANCE



Roll No.	Name of Students	, Remark Signature
1	CHAVAN SUYOG B.	chenais_
2	KANGADE PRATIK H	Practi.
3	KUDALE SURAJ SANJAY	perolation
4	BANSOD KRUTIKA GOVIND	B. publy
5	BHORDE SAKSHI BHAUSO	Sala
6	CHOPADE TIMIRESH R.	- Downshim
7	DHONGADE OMKAR S.	omkar
8	GANDHALE VAISHNAVI U.	Vietma
9	ITHAPE ABHIJIT BHAUSO	Marie
10	KAMBLE POONAM B.	Risonam
11	KIRTE SHUBHAM SHAILEJ	Shaham
12	NIGADE JAYDEEP S.	Tarales
13	PATIL ANKITA VISHWAS	Intera
14	PAWAR PRARABDH P.	panier
15	SALPEKAR NAYAN BABU	Navan
16	SALVE KALPESH SATISH	balau 2
17	SANKPAL MANTHAN S.	Manthew
18	THAKAR SAKSHI UMESH	Caruh
19	WAGHMARE SUMIT T.	Sumah
20	YENPURE GAYATRI P.	1 yourse
21	ZURANGE RITESH R.	Sut /

Visit Coordinator Prof. S. E. Sawarkar

Prof. Akshay S. Kale



Navsahyadri Group of Institutions, Faculty of Engg. Department of Computer Engineering Academic Year: 2023-24



NOTICE

All students of the Computer Engineering Department are hereby informed that on 26 september 2023, Computer Engineering Department is organising Seminar on "AWS and Linux: Building Robust Cloud Infrastructures".

This event will provide valuable insights into how AWS (Amazon Web Services) and Linux can be utilised to create and manage efficient cloud systems.

All students are encouraged to participate and enhance their knowledge in this vital subject.



Dr. M. V. Dalvi

Principal

NESGI, Faculty of Engineering
Gat No.89,78,71,Naigaon, Tal. Bhor, Dist. Pune



NAVSAHYADRI GROUP OF INSTITUTES, FACULTY OF ENGINEERING



Sr. No. 69,70,71, Naigaon (Nasarapur), Pune-Satara Highway, Pune-412213

Department of Computer Engineering

ACTIVITY REPORT

- 1. Title of Activity: Seminar on "AWS and Linux: Building Robust Cloud Infrastructures"
- 2. Date & venue: 26 September 2023 NESGI Campus.
- 3. Number of Students Participated: 61
- 4. Outcomes of activity:
- Deep Understanding: Students gained a comprehensive understanding of how AWS and Linux work together
 to build and manage robust cloud infrastructures.
- Practical Skills: Participants acquired hands-on experience in deploying and managing cloud resources using AWS with Linux environments.
- **Industry Knowledge:** Insights were provided into current industry practices and the role of Linux in optimizing AWS cloud services.
- Career Enhancement: The seminar equipped students with knowledge that enhances their qualifications for careers in cloud computing and system administration.

5. Description of activity:

- The Computer Engineering Department of NAVSAHYADRI GROUP OF INSTITUTES, FACULTY OF ENGINEERING organized a Seminar titled "AWS and Linux: Building Robust Cloud Infrastructures". This seminar is conducted by guest of honor Mr. Sumit Agarwal and. our respected Principal Dr. M.V. Dalvi was present and actively participated in the activity to motivate students. The seminar was designed to provide students with an in-depth exploration of how to leverage AWS and Linux to create and manage scalable, reliable cloud infrastructures.
- The session began with an introduction to the fundamentals of AWS cloud services and the role of Linux in cloud environments. Experts from the industry discussed key AWS services such as EC2, S3, and RDS, and how these services can be effectively managed and optimized using Linux.
- The seminar featured practical demonstrations where participants learned how to deploy Linux-based
 applications on AWS, configure virtual servers, and use AWS tools for monitoring and managing cloud
 resources. Key topics included setting up secure environments, automating tasks with scripts, and scaling
 applications to handle varying loads.
- Interactive exercises allowed students to apply what they learned by working on real-world scenarios, such as setting up a web server on AWS using Linux, configuring load balancers, and implementing backup strategies.

6. Summary & conclusion

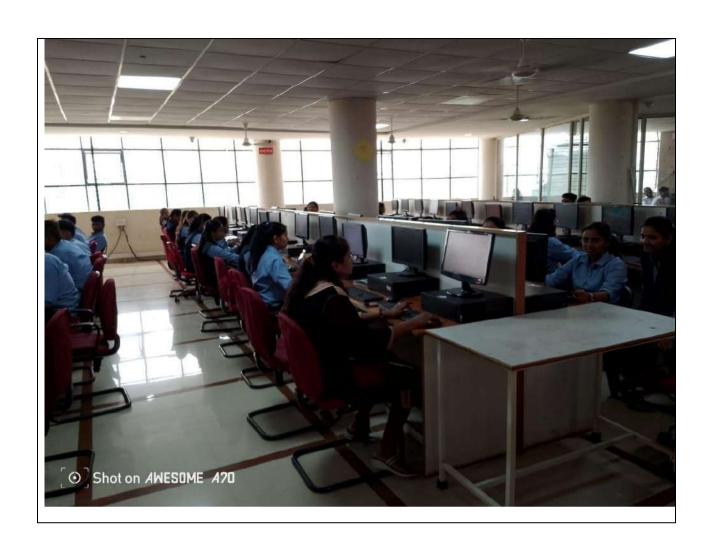
The seminar successfully met its objectives by providing students with valuable insights into building and managing cloud infrastructures using AWS and Linux. Participants left with a strong understanding of how to utilize these technologies to create scalable and efficient cloud solutions. The hands-on experience gained through practical exercises was particularly beneficial, allowing students to apply theoretical knowledge in a practical setting. The seminar highlighted the importance of AWS and Linux skills in the cloud computing industry and encouraged students to pursue further learning and certification in these areas.

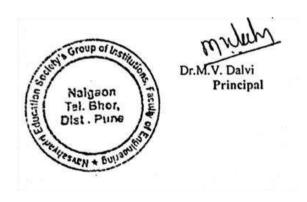
7. Feedback

Students appreciated the detailed explanations and hands-on approach, which made complex concepts more accessible. The practical demonstrations and exercises were particularly well-received, providing a tangible understanding of how to use AWS and Linux together. Many students expressed a keen interest in future workshops on advanced cloud topics and requested additional resources for further study. The seminar was praised for its relevance and practical value, contributing significantly to students' career preparation in cloud computing.

8. Photos of activity.







SE Computer

oll No.	Name of Students	Signature
1	ADAM NIRAJ VIJAY	Niray (A)
2 AWACHAR SHREYASH SUNIL		J-88-
3	BAMBOLE ANIRUDDHA RADHESHYAM	Bringdhau
4	BARKADE ASMITA YUVRAJ	Buble
5	BHISE RAJNANDINI RAVINDRA	(3)
6	BHOITE NAMRATA SUNIL	Bhorte AV
7	BHOSALE ASHWINI RAMCHANDRA	Ashruini.
8	BIRAJDAR ABHISHEK SATISH	AB
9	BODAKE VIRAJ ANIL	Viagi
10	CHALEKAR TEJAS RAJENDRA	John L
11	CHAVAN AVINASH BHASKAR	Chyll. -Ajingaza Aiket
12	CHITAL VINAYAK VENKATESH	Chital V.
13	DAMODAR AJINKYA MAHENDRA	-AjINGA-B
14	DATIR ANIKET PANDURANG	Airch
15	DHAS VIRAJ AMOL	
16	DHUMAL SAKSHI RAJENDRA	Sakhil
17	DOKE KIRAN SAWATA	OKoran
18	DOKE VISHAL DATTATRAY	DVP
19	GAMBHIRE PATIL PRATIK VIJAYKUMAR	Pratity G
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27	JADHAV ANUSHKA MOHAN	0
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36	KONDE SAHIL SHARAD	Can
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39	LAHANE ARPITA ANGAD	lishward
40	MADGUDE VISHWARAJ VILAS	
41	MAGAR ABHIJEET SANTOSH	(5:M)
42	MAHIMA BHARATI	· HB ,
43	MALI SIDDHESH SATISH	-MSIddhesh
44	MANE PRAMOD ULHAS	Manes
45	MUSKAN KUMARI	Cust.
46	NAIK OMKAR SUMAN	N'Omkar
47	NANGARE SAKSHI SUNIL	
48	NIKAM RUCHIKA VIJAY	MAN
49	NIMBALKAR SURAJ SAMBHAJI	N.S.S.
50	PALKHE AKSHATA SUNIL	Paltho Ash
51	PARJANE PRATIK PARMESHWAR	PRO
52	PARTHE SURAJ SANTOSH	(PSS)
53	PASALKAR OM NAVNATH	oman.
54	PATIL SAYALI BABURAO	luit.
55	PAWAR ADITYA GANGADHAR	
56	PAWAR PRAJWAL ASHOK	Plawar
57	PHADATARE ANKITA ANIL	Amil .
58	RASAL SAKSHI SHRIKANT	2(55)
59	RASKAR SHRUTI MAHENDRA	(RSM)
60	SAGVEKAR ANKITA ANANT	Sogrekale
61	SAKAT PRIYA MANIK	Sogrekale Sankati.
62	SALUNKE CHAITANYA DATTATRAY	
63	SHAIKH SAHIL HUSEN	Colon

64	SHEVALE AMAR NAVNATH	Amo
65	SHINDE AVINASH ASHOK	Armoder
66	SHIRSALE MITESH BHASKAR	
67	SUBHEDAR LIYAKAT SALAUDDIN	En lighted
68	TARADE SHRADHA SANTOSH	
69	TARATE PRASHAUT BAPU	Teashant
70	TARATE RUTUJA RAJENDRA	Rutigat
71	VISHWANATHULAWAR ADITHYA	
72	WADAKR TUKARAM BABAN	
73	ZAGADE TANUJA SANJAY	Aouna .
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Dr.M.V. Dalvi Principal



Navsahyadri Group of Institutions College of Engineering



Academic Year 2020-2021

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NOTICE Webinar on Designing Software

A Webinar for Faculties & Students is scheduled on 18/06/2020. In this lecture detail information about the designing software will dicuss by speaker. By this activity participants get the knowledge about new software developed in 2020. Attendance is manditory for all students.

Limited seats are available, so early registration is encouraged.

Webinar Date: 08 June 2020

Webinar Time: 10.30 am - 12.00 pm

Webinar Venue: Google Meet – Online Meeting

Prof. S. S. Agrawal Workshop Coordinator Prof. Amar Kalyane HOD Dr. R. J. Patil Principal, NGI







NAVSAHYADRI EDUCATION SOCIETY'S GROUP OF INSTITUTIONS

Sr. No 69, 70 & 71, Naigaon [Nasarapur], Bhor, Pune- 412213.

ACTIVITY REPORT

1. Title of Activity: Webinar

2. Date & venue: 18/06/2020; Google Meet (Online)

3. Coordinator of Event: Prof. S.R. Sawant

4. Outcomes of activity:

· Faculties & Students will learn about the Designing Software's

5. Description of activity:

A Webinar for Faculties & Students is scheduled on 18/06/2020. In this lecture detail information about the designing software is taught by the speaker. Through this activity participants can get the knowledge about new software developed in 2020. Program started with Welcome address by Asst Prof. S.R. Sawant followed by the address of Dr. R. J. Patil, Principal of NESGI.

About More than 100 Faculties and students from various t college/Universities were participated in the program from all over Maharashtra.

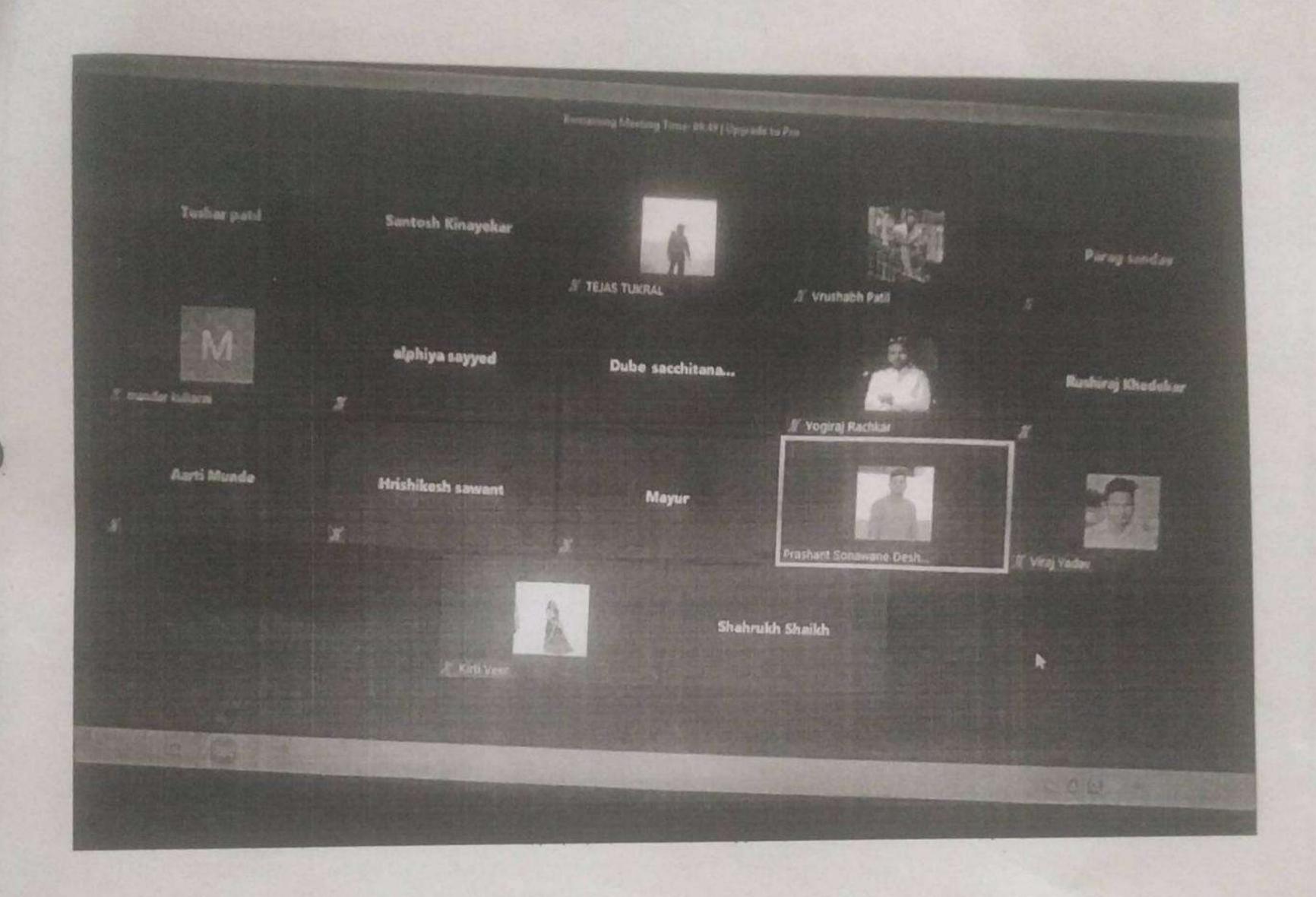
6. Activity Experience:

The Event was Successfully Conducted. Participants have learn all objectives of Guest Lecture which is helpful to them from learning point of view..

7. Feedback

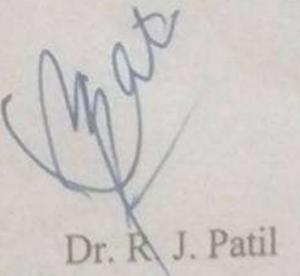
Faculties & Students were satisfied and he had Different way of teaching.

Photograph



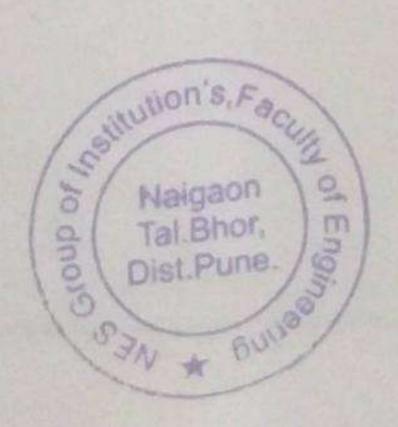
Prof. S.R. Sawant

Event Coordinator



Principal Principal

NFSGI Faculty of Engineering
Gai 14.09,70,71, Naigaon. Tal. Bhor Dist. Fund





Navsahyadri Group of Institutions College of Engineering



NOTICE Webinar on AUTOCAD Software

All Faculties and Students,

We are excited to invite you to our upcoming webinar on AutoCAD software, a pivotal tool for professionals in engineering, architecture, and design. This session is designed to enhance your skills and understanding of AutoCAD, enabling you to work more efficiently and effectively.

Webinar Details:

Title: Webinar on AUTOCAD Software

Date: 12/06/2020 Time: 10 am – 12 pm

Duration: 2 Hrs

Platform: Google Meeting

Introduction to AutoCAD's interface and tools Advanced drawing and drafting techniques Effective use of layers and blocks Tips for optimizing your workflow Q&A session to address your specific questions.

We look forward to seeing you at the webinar and helping you advance your AutoCAD skills!

Prof. S. S. Agrawal Workshop Coordinator

Prof. Amar Kalyane HOD Dr. R. J. Patil Principal, NGI





NAVSAHYADRI EDUCATION SOCIETY'S GROUP OF INSTITUTIONS

Sr. No 69, 70 & 71, Naigaon [Nasarapur], Bhor, Pune- 412213.

ACTIVITY REPORT

1. Title of Activity: Webinar

Date & venue: 12/06/2020; Google Meet (Online)

Coordinator of Event: Prof. S.R. Sawant

4. Outcomes of activity:

Faculties & Students will learn about the AutoCAD Software

5. Description of activity:

A Guest Lecture for Faculties & Students is scheduled on 12/06/2020. In this lecture use of AutoCAD software is taught by the speaker. Through this activity participants can get the knowledge about 2D & 3D drawings. Program started with Welcome address by Prof. S.R. Sawant followed by the address of Dr. R. J. Patil, Principal of NESGI.

About more than 60 Faculties and students from various college/Universities were participated in the program from all over Indian.

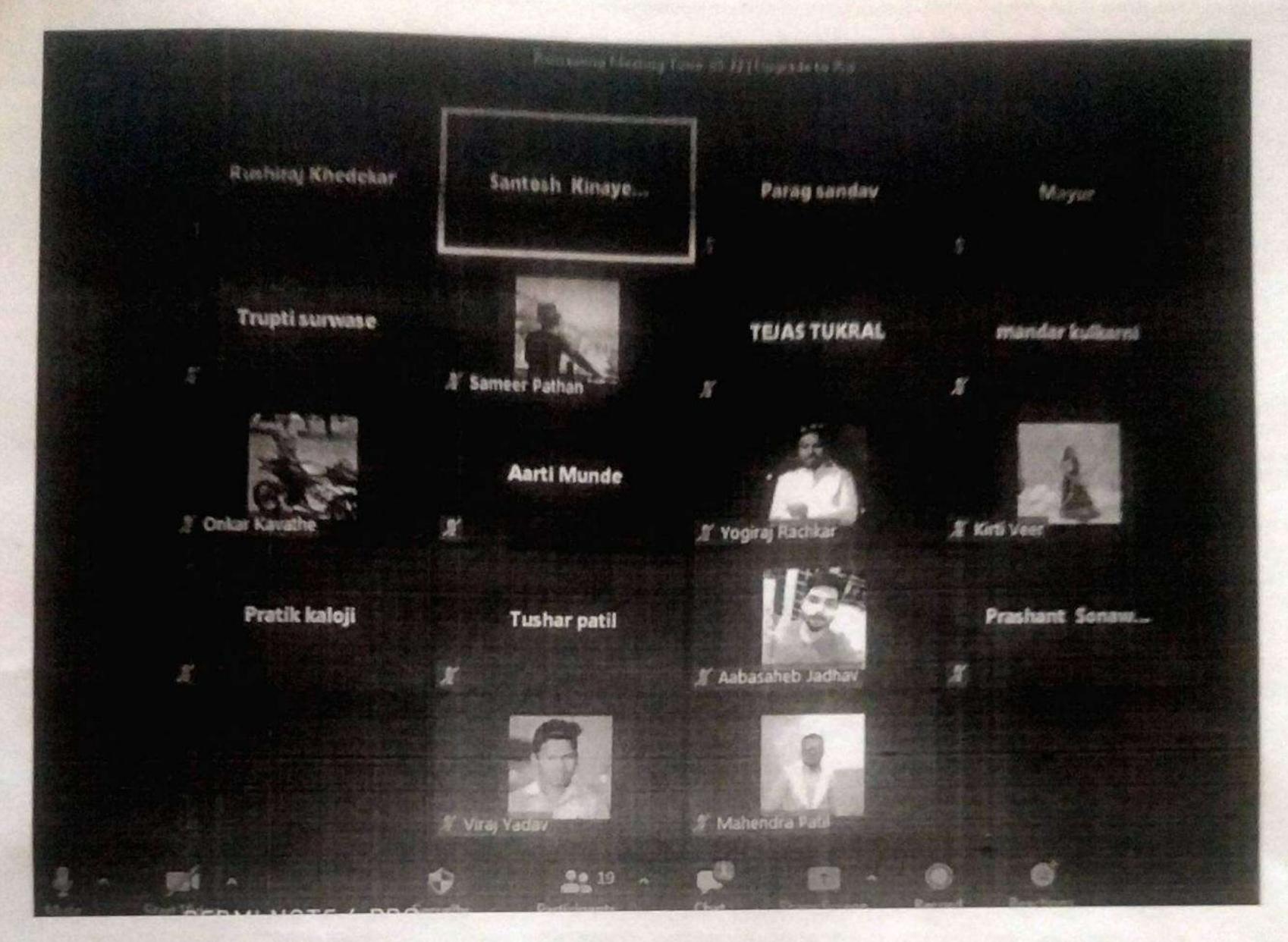
6. Activity Experience:

The Event was Successfully Conducted. Participants have learn all objectives of Guest Lecture which is helpful to them from learning point of view..

7. Feedback

Faculties & Students were satisfied and he had Different way of teaching.

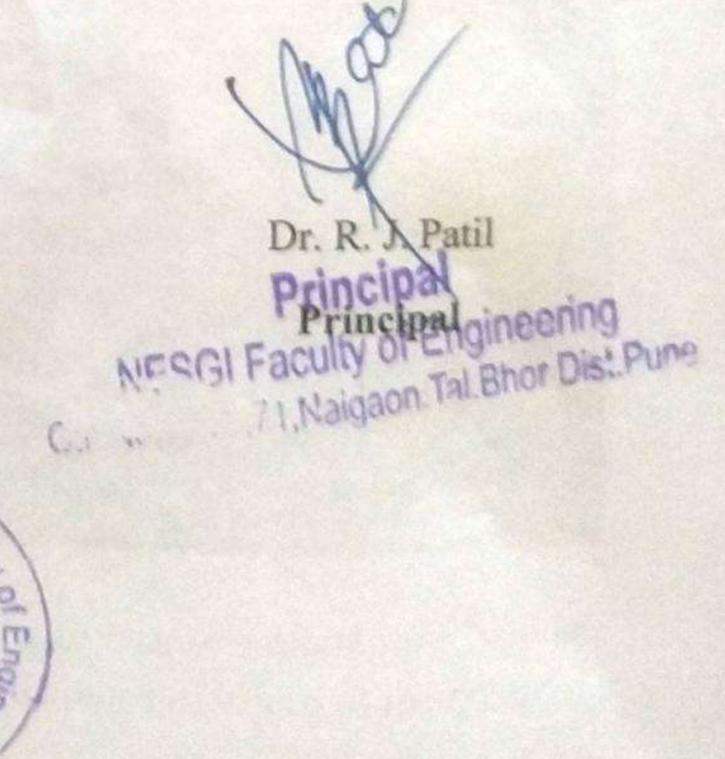
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Prof. S.R. Sawant

Event Coordinator





Navsahyadri Group of Institutions College of Engineering



NOTICE

Workshop on Advanced Trends in Robotics

Workshop for Faculties & Students is scheduled on 22/09/2021. The following points will be discuss.

- Use of Robot in Manufacturing
- ➤ Advanced Research in Robotics
- ➤ Automotive Control Systems
- Artificial Intelligence & Machine Learning
- ➤ App Building & Control Hans on
- ➤ Robot Testing & Demo Hands on

Limited seats are available, so early registration is encouraged.

Workshop Date: 22 September 2021 Workshop Time: 10.00 am - 11.30 pm

Prof. C. D. Deshmukh Workshop Coordinator Prof. S. V. Tawade HOD

Dr. R. J. Patil Principal, NGI



Principal
NESGI, Faculty of Engineering
Gat No.89,70,71,Naigaon, Tal. Bhor, Dist. Pune



NAVSAHYADRI EDUCATION SOCIETY'S

GROUP OF INSTITUTIONS

Sr. No 69, 70 & 71, Naigaon [Nasarapur], Bhor, Pune- 412213.

ACTIVITY REPORT

1. Title of Activity: Workshop on "Advanced Trends in Robotics"

2. Date & venue: 03/11/2020; (Virtual Mode)

3. Coordinator of Event: Prof. J. P. Hugar

4. Total Present: 25

5. Outcomes of activity:

• Faculties & Students discussed about the Advanced Trends in Robotics

6. Description of activity:

Workshop for Faculties & Students is scheduled on 03/11/2020. The following points covered in discussion

- ➤ Use of Robot in Manufacturing
- ➤ Advanced Research in Robotics
- ➤ Automotive Control Systems
- > Artificial Intelligence & Machine Learning
- > App Building & Control Hans on
- ➤ Robot Testing & Demo Hands on

7. Activity Experience:

The Event was Successfully Conducted. Participants have learned all objectives of workshop, which is helpful to them from learning point of view.

8. Feedback

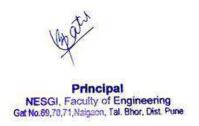
Faculties & Students were satisfied with the information and knowledge delivered by the speakers.

Photograph











Navsahyadri Group of Institutions College of Engineering



NOTICE Webinar on Un-academy Application

We are pleased to invite you to our upcoming webinar focused on the Un-academy application, designed to help you maximize your learning experience and make the most of the platform's features.

Webinar Details:

• **Title**: Webinar on Un-academy Application

• **Time:** 9.30 am – 11.00 am

Date: 28/07/2021Duration: 2 Hrs

• **Platform:** Google Meet

What You Will Learn:

- Overview of Un-academy's interface and functionalities
- How to effectively search and enroll in courses
- Utilizing study materials and resources
- Tips for interacting with instructors and peers
- Personalizing your learning experience
- Q&A session to address your specific inquiries

Prof. S. S. Agrawal Workshop Coordinator Prof. Amar Kalyane HOD Dr. R. J. Patil Principal, NGI



NAVSAHYADRI EDUCATION SOCIETY'S



GROUP OF INSTITUTIONS

Sr. No 69, 70 & 71, Naigaon [Nasarapur], Bhor, Pune- 412213.

ACTIVITY REPORT

- 1. Title of Activity: Webinar
- 2. Date & venue: 28/07/2021; Unacademy Application (Online)
- 3. Coordinator of Event: Prof. Agarwal S. S.
- 4. Outcomes of activity: Students of all departments will understand following points:
 - a. Fundamentals of GATE
 - b. Purpose of GATE exam
 - c. Eligibility criteria's
 - d. How to Crack GATE Examination
 - e. Exam Syllabus and Pattern *
 - f. PSU Sectors
- 5. Description of activity: Webinar was arranged for students on 28th July, 2021. Our keynote speaker was NVL Krishna Prakash who is Star Educator and Head of South India Civil Engineering, Unacademy. "Strategic Preparation to Score all India Rank in GATE" was the main topic for delivery to the students.

More than 150 students from Civil Engineering Department have attended this program.

6. Activity Experience:

From this webinar of Strategic Preparation to Score all India Rank in GATE students learned new way to study for GATE examination an few strategies to score all India rank in GATE.

7. Feedback

Students were satisfied and gave positive feedback towards the webinar.





NAVSAHYADRI EDUCATION SOCIETY'S GROUP OF INSTITUTIONS, NAIGAON, PUNE

DEPARTMENT OF CIVIL ENGINEERING PRESENTS WEBINAR ON

STRATEGICAL PREPARATION TO SCORE ALL INDIA RANK IN GATE

DATE: 28TH JULY, 2021

TIME: 2.00 PM TO 3.00 PM

KEYNOTE SPEAKER



NVL KRISHNA PRAKASH STAR EDUCATOR & SOUTH INDIA CIVIL ENGINEERING HEAD, UNACADEMY

Source: Unacademy App

ORGANIZERS



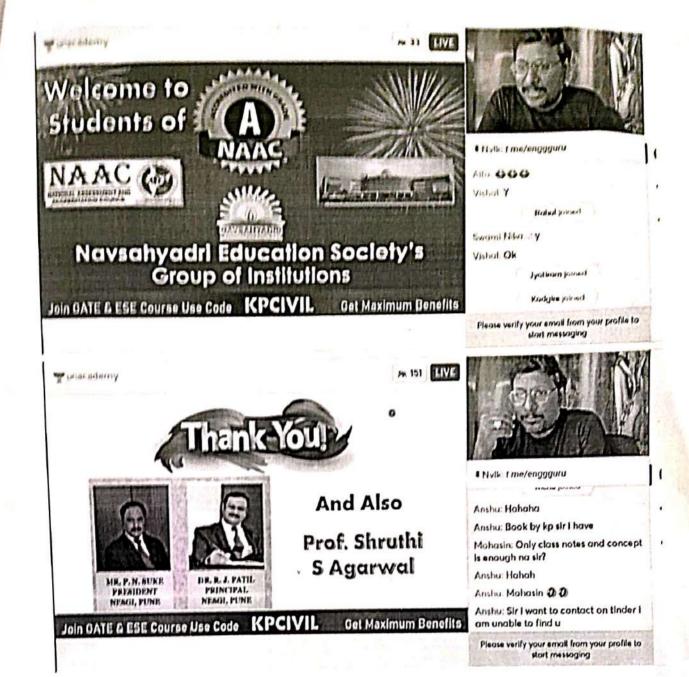
MR. P. N. SUKE PRESIDENT NESGI, PUNE



DR. R. J. PATIL PRINCIPAL NESGI, PUNE

Venue: Your Gadget

For more details contact Prof. Shruti S. Agarwal- 8600531235 Email: shrutiagarwal1208@gmail.com www.navsahyadri.edu.in



Barust

Prof. Agarwal S. S.

Event Coordinator

Dr. R. J. Patil

Principal

Principal

NESGI Faculty of Engineering Gat No.69,70,71, Naigaon. Tal. Bhor Dist. Pune







NOTICE

All students of the Mechanical Engineering Department are hereby informed that on 5th Oct 2023, Mechanical Engineering Department is organising a **Workshop on Start ups and New Ventures.**

The workshop on Startups and New Ventures aimed to provide students with essential knowledge and practical skills to embark on entrepreneurial journeys.



Dr. M. V. Dalvi

Principal

NESGI, Faculty of Engineering
Gat No.69,78,71,Naigaon, Tal. Bhor, Dist. Pune





1. Title of Activity: Workshop on Start ups and New Ventures

2. Date & venue: 5 Oct 2023, NESGI Campus.

3. Number of Students Participated: 28

4. Outcomes of Activity:

- Gained insights into the fundamentals of launching a startup.
- Learned the steps involved in transforming an idea into a viable business.
- Developed understanding of market research, business models, and funding strategies.
- Gained practical knowledge about legal and financial aspects of starting a new venture.
- Acquired skills in pitching and presenting a startup idea to potential investors.

5. Description of Activity:

The workshop on Startups and New Ventures aimed to provide students with essential knowledge and practical skills to embark on entrepreneurial journeys. It covered the following key areas:

- Idea Generation and Validation: Techniques for coming up with innovative business ideas and validating them with potential users.
- Building a Business Model: Understanding different business models and choosing the right one for a startup.
- Market Research: How to conduct market research and analyze competition.
- Funding and Investment: Overview of funding options for startups, including angel investors, venture capital, and crowdfunding.
- Legal and Financial Considerations: Important legal aspects such as company registration, intellectual property, and financial planning.
- Pitching and Presentation: Practical sessions on creating a compelling business pitch.

6. Summary & Conclusion:

The workshop provided students with actionable knowledge and strategies for starting their own ventures. Through interactive sessions and real-life examples, students were able to grasp the challenges and opportunities in the startup ecosystem. The hands-on activities, including developing a business model and pitching ideas, helped participants apply theoretical knowledge to





practical scenarios. Overall, the workshop fostered an entrepreneurial mindset, encouraging students to think creatively and take calculated risks in pursuing their business ideas.

7. Feedback:

Participants provided positive feedback, highlighting the engaging content and practical approach of the workshop. The hands-on exercises and expert guidance were particularly appreciated. Students mentioned that the session improved their confidence in starting their own ventures and helped them understand the complexities of launching a startup. Many expressed interest in attending more advanced workshops on entrepreneurship in the future.

8. Activity Photos:













NAVSAHYADRI GROUP OF INSTITUTES FACULTY OF ENGINEERING

Department of Mechanical Engineering

NAVSAHYADRI GROUP OF INSTITUTES FACULTY OF ENGINEERING, NAIGAON, PUNE DEPARTMENT OF MECHANICAL ENGINEERING A.Y. 2022-23 BE

Roll.No.	Name of Student	Signature	
1	Abhishek Babasaheb Jadhav		
2	Ajit Dilip Arjun	ARgur	
3	Barwakar Abhijit Prakash	Cherry .	
4	CHAVAN SWAPNIL DAULAT	Chavel	
5 .	Chorage Rupesh Deepak	Choose RD	
6	Dange Naeem Bashir	UND-	
7	GHODE DIPAK MARUTI	CHOOL D	
8	Desai Shankar Santosh		
9	Gaikwad Akash Shankar	Gitwad A D	
10	Gaikwad Rutuja Vijay	Dagate!	
11	Gajanan Suryakant Phad	(Cathartus_	
12	Gogawale Hrishikesh Kaluram	Commute	
13	Inamdar Saurabh Pramod	Christian	
14	Jadhav Shivprasad Bapurao	Stadhow	
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23	Mahangade Abhishek Kashinath	Muriand	
24	Maheen Noorshan Khan	Mhuens SP Islan	
25	Maity Amit Kumar Narayan	Machae	
26	Malve Kajal Shankar		
27	JADHAV MANDAR BABAJI	Kinny	
28	Mandavkar Avadhut Mahadev	Allow .	
29	Mohite Suraj Chandrakant	Sarajim	
30	Mohite Swikar Sampat		
31	Nivalkar Bhavik Prakash	Mules	





Principal
NESGI, Faculty of Engineering
Gat No.69,70,71,Naigaon, Tal. Bhor, Dist. Pune





NOTICE

All students of the Civil Engineering Department are hereby informed that on 12/11/2023, Civil Engineering Department is organising Seminar on DESIGN OF STEEL STRUCTURES (DSS) as per SPPU pattern and structure. The Guest Speaker is Dr. Atul Khatri.

Seminar Highlights:

- Understanding the principles of **Design of Steel Structures (DSS)**.
- Overview of the **SPPU pattern** and related topics.
- Real-world applications of steel structure design in civil engineering.

All students are encouraged to participate and enhance their knowledge in this vital subject.



Dr. M. V. Dalvi

Principal

NESGI, Faculty of Engineering
Get No.89,78,71,Naigaon, Tal. Bhor, Oist. Pune



NAVSAHYADRI GROUP OF INSTITUTES, FACULTY OF ENGINEERING

Sr. No. 69,70,71, Naigaon (Nasarapur), Pune-Satara Highway, Pune-412213

ACTIVITY REPORT

1. Title of Activity: Seminar on DESIGN OF STEEL STRUCTURES (DSS) as per SPPU pattern and structure by Dr. Atul Khatri

2. Event Coordinator: Prof. P.C.Shivtare

3. No. of members participated: 10

4. Date & venue: 12/11/2023, NGI, Naigaon, Pune

5. Outcomes of activity:

The lecture provides participants with a comprehensive overview of the principles and practices involved in designing steel structures, equipping them with the knowledge to apply these concepts in real-world projects.

6. Description of activity:

A seminar on DESIGN OF STEEL STRUCTURES (DSS) as per SPPU pattern by Dr. Atul Khatri was organised by the Department of Civil under the Flagship and Guidance of Dr.Dalvi, Principal, NGI, FOE. Lecture based on the design of steel structures introduces the fundamental principles and standards, discusses the types of steel sections and their applications, and covers design methods like ASD and LRFD. It includes case studies, recent advances in the field, and a Q&A session, providing a comprehensive overview for participants to enhance their understanding and practical skills in designing steel structures.

7. Activity Experience:

The participants felt that the delivery and presentation of the resource person was good and the seminar brought practical knowledge of the subject in them. They also felt that the seminar was coordinated very well and such seminar's should be arranged regularly.

8. Photos of Activity:





mulahi

Dr. M. V. Dalvi

Principal

NESGI, Faculty of Engineering
Get No.69,70,71,Naigaon, Tal. Bhor, Dist. Pune



NAVSAHYADRI GROUP OF INSTITUTES, FACULTY OF ENGINEERING

Sr. No. 69,70,71, Naigaon (Nasarapur), Pune-Satara Highway, Pune-412213

Attendance Report

Sr No	Name of Students	Signature
1	Sapkal Aniruddha Ashok	. At spolad
2	Shinde Nilam	Nhm
3	Vachakal Shivani Satish	4340
4	Waghmare Atish Sanjay	ALSO
5	Wanjale Rohit Arun	Pohites
6	Dhumal Neha Dipak	Aphel
7	Giri Ashish Ramesh	DR180
8	Jadhav Mayur Sachin	Margare
9	Jadhay Sahil Rohidas	selvil
10	Jadhav Abhishekh Manohar	Abhishekh

Group of Institutes of Pune Andrews

Dr. M. V. Dalvi

Principal

NESGI, Faculty of Engineering Gat No.69,70,71,Naigaon, Tal. Bhor, Dist. Pune





NOTICE

All students of the Computer Engineering Department are hereby informed that on 11 December and 12 December 2023, Computer Engineering Department is organising Workshop on AWS Cloud Networking Security: Protecting Your Data and Applications

This event will provide valuable insights into how AWS (Amazon Web Services) and Network security can be utilised to create and manage efficient cloud systems.

All students are encouraged to participate and enhance their knowledge in this vital subject.



Dr.M.V. Dalvi Principal



NAVSAHYADRI GROUP OF INSTITUTES, FACULTY OF ENGINEERING



Sr. No. 69,70,71, Naigaon (Nasarapur), Pune-Satara Highway, Pune-412213

Department of Computer Engineering

ACTIVITY REPORT

- 1. Title of Activity: Workshop on AWS Cloud Networking Security: Protecting Your Data and Applications
- 2. Date & venue: 11 December 12 December 2023 NESGI Campus.
- 3. Number of Students Participated: 68
- 4. Outcomes of activity:
- Enhanced Security Knowledge: Students gained a thorough understanding of AWS networking security
 practices and tools.
- **Practical Skills:** Participants learned how to configure and manage AWS security features to protect cloud data and applications.
- Industry Insights: Insights into current security threats and best practices in AWS cloud networking were
 provided.
- Career Advancement: The seminar equipped students with valuable skills and knowledge that can enhance their career prospects in cloud security.

5. Description of activity:

- The Computer Engineering Department of NAVSAHYADRI GROUP OF INSTITUTES, FACULTY OF ENGINEERING organized a workshop titled "AWS Cloud Networking Security: Protecting Your Data and Applications". This workshop is conducted by guest of honor Mr. Ravi Sharma. and Our respected Principal Dr. M.V. Dalvi were present and actively participated in the activity to motivate students. The workshop was designed to provide students with a comprehensive understanding of security practices for AWS cloud networking.
- The session began with an overview of the importance of cloud security, highlighting common threats and vulnerabilities specific to AWS environments. Industry experts discussed key AWS security services such as AWS Identity and Access Management (IAM), AWS Security Groups, and AWS Network Access Control Lists (NACLs).
- The seminar featured detailed demonstrations on configuring these security features to safeguard AWS resources. Topics covered included setting up security groups for controlling inbound and outbound traffic, configuring NACLs for additional network layer security, and using AWS Shield and AWS WAF (Web Application Firewall) to protect against DDoS attacks and web threats.

Participants engaged in hands-on exercises to apply what they learned, including setting up secure network
architectures, implementing encryption for data at rest and in transit, and monitoring network traffic for
potential security issues.

6. Summary & conclusion

The seminar effectively achieved its objectives by providing students with valuable insights into AWS cloud networking security. Students left with a solid understanding of how to implement and manage security measures to protect their cloud data and applications. The hands-on demonstrations and practical exercises were particularly beneficial, allowing students to gain real-world experience in securing AWS environments. The seminar underscored the critical importance of robust security practices in cloud computing and prepared students for careers in cloud security.

7. Feedback

Feedback from participants was highly positive. Students appreciated the depth of the content and the practical approach of the seminar, which made complex security concepts more understandable and applicable. Many students expressed a strong interest in further exploring AWS security topics and requested additional workshops on related subjects. The seminar was praised for its relevance to current industry practices and its ability to provide actionable skills for future career development in cloud security.

8. Photos of activity.







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7	CHANDANE RAJ TANAJI	- Jey
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9	DARULU VINAY KUMAR	V. Quiner.
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29	MENDHE UTKARSH GANESH	
30	MISALE SANJANA JAGDISH	

31	MUNDANKAR SHRUTI RAJESH	M Shret
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37	PAWAR AMAR BHAU	P.Amar.
38	PAWAR KARTIK SHIVAJI	Kartik James
39	PAWAR SANKET SANTOSH	Saked
40	PISAL AKSHAY SANJAY	Alghor
41	PISAL SHREYAS VIJAY	Fish.
42	POL TANMAY SURYAKANT	
43	PRATIK SUNIL SHELKE	P.S. Shelke
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45	SADAFALE KUSHAL JAYANT	Kushal S
46	SAKSHI PANDURANG BURLE	Seldi
47	SAKSHI SUNIL KADAM	Sunil
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49	SALUNKHE ANISHA SANJAY	Anisha.S.
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	SANIKA SANJAY MANDHARE	(sm)
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	SAWANT AKASH ANANDARAO	-Alash.
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,	SHINDE PRATHMESH SHIVAJI	Shinde
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63	VAISHNAVI RAMCHANDRA KAMBLE	Manage C.

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71	YADAV YOGITA ANANT	Josh.
72	YEDAVE VALLABH SANJAY	Vellath.
73	YEMUL SAIKRISHNA SHRIKANT	Vellath.

Naigeon Tel. Bhor.
Dist. Pune

Dr.M.V. Dalvi Principal

Faculty of Engineering, Naigaon, Pune-412213

Department of E&TC Engineering



The Principal NESGI, FOE, Pune

Subject- Regarding permission to conduct a three days workshop on "Advance Java with Spring Boot" on 27th - 29th January 2024.

Respected Sir.

With reference to the subject mentioned, I am writing to request your permission to conduct a three days workshop on "Advance Java with Spring Boot" for our students. Advance Java-one of the most popular and widely used development languages and computing platforms for app development. Develope's all over the world start their coding journey by Jearning Java. For any application development like a trending technology- Spring Boot, the conversation has to start with Java.

This workshop covers the standard concepts such as database connectivity, networking, Servlet, web-services, etc. It will be a hands-on workshop, where students will have the opportunity to practice what they have learned in a supportive environment.

I believe this workshop will be an excellent opportunity for our students to learn valuable skills that they can use in their future studies and careers. The workshop will be conducted by an expert in this domain - Mr. Suchit Gajabi from Info vision Labs.

The remuneration against sessions delivered would be as mentioned below.

Citio	Particulars of the item	Rate/Quantity	Total amount in Rs
Srilo.	Remuneration of guest speaker	03 days (1000*18hrs)	18000
2	Hospitality(Bouquet, Breakfast, Lunch, Tea)	03 days	2000
	· I incariose cana	Total	20000

The above table gives us the details of the expenses during this workshop. Our department has made arrangements for the fifty percentage of the expenses by collecting 200 Rs (25+20+5 = 50) from each students. In this case we require 10,000/- Rupees from the department.

You are hereby requested to permit us to conduct the workshop and sanction an amount of 10000/-.

Thanking you

Pystulimeas Workshop Co-ordinator

Prof. P. M. Shillimkar

Prof. M.B. Parl

How President 2 Approval

Prof.M.B.Patil Cell No +91 7709447690

Cell No +91 7709447690 Head Dept. of E&TC Engineering

Coordinators

Prof. P M Shilimkar Cell No +91 8830329442

Email - pratikshashilimkar 1999@gmail.com

Organizing Committee

culty members of department of E&TC

Prof. V B Jagdale

Prof. S N Thorat

Prof. L M Sagle

Prof. S R Shinde

Prof. A S Jamdade

Guest Speaker

Mr. Suchit Gajbhi InfoVision Labs

Link For Registration





Chief Patrom

Hon'ble Shri, P. N.Suke President, NGI, Pune

Hon'ble Shri. S. P.Suke Group Director, NGI, Pune

Organizing Chairman

Dr. M. V. Dalvi Principal, NGI, FoE, Pune

Patrons

Dr. K. V. Otari (Principal, NIP, Pune)

Dr. T. D. Dabade (Director, MBA, NGI, Pune)

> Prof. P. S. Bhokare (Principal, NIT, Pune)

Prof. K. V. Pawar (Principal, NGEMS, Pune)

Advisory Committee

Prof. S. N. Gujar Head, Dept. of Computer Engg.

Prof. S. V. Tawade Head, Dept. of Mechanical Engg.

Prof. A. S. Kale Head, Dept. of Electrical Engg

Prof. A. R. Kalyane Head, Dept of Civil Engg.

Prof. S. S. Raut Head, Engg. Science.





Three Days Workshop
On
"Advance Java with Spring Boot"
(27th - 29th January 2024)

Organized by
Department of E&TC Engineering
Navsahyadri Education Society's
Group Of Institutions, Faculty of Engineering,
Pune



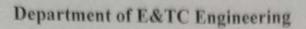


Navsahyadri Group of Institutions Faculty of Engineering Naigaon, Pune, Maharashtra – 412213. www.navsahyadri.edu.in



Navsahyadri Group of Institutions

Faculty of Engineering, Naigaon, Pune-412213





With reference to the meeting held in E&TC Department dated 27th January 2024 the following faculty members are with reference to the workshop on "Advance Java With Spring Boot".

St.	Committee	Role and Responsibility	SE Student Co-ordinator	TE Student Co-ordinator	Sign
VO.	Organizing Committee		Vishwajeet Dede	Vishwajeet Mandhre	voscole
	Registration and Attendance	Offline Enrollment of student Attendance per session	Vishwajeet Dede	Shravani Walhekar	V. D. Dede
_	Experts & Guest Hospitality	Looking after expert and guest and making them feel comfortable	Narendra Jagtap	Aniket Mahangare Vedant Patil	Corunda
	Inauguration & valedictory	Dice preparation(clean table cloth, Name Plates, small water bottle, stationary-notepad & pen, minute to minute flow of program), mic and projector, Saraswati Pujan, Back Drop Flex	Siddhi Sutar Pranay Salunke Narendra Jagtap	Vaishnavi Nigade Vaishnavi Kadbane Shradha Bhosale	Goundy Signale Bhoscie Sutcu
	Photography	Photographs of inauguration, seminar, hand-son, valedictory and staff with resource	Parth Bodkhe	Aditya Hirave	BodKhe
	Feedback and e-certificates	Offline and online feedback, e-certificate generation and distribution	Pooja Desai	Jyoti Bukane Suffiyana Attar	Bulland Suffateb
i	Seminar and Hands on	Classroom and lab availability	Pranay Salunkhe & Pratik Salunke	Shreyash Bankar Aditya Kengar	Bowar
7	Session	Classroom, Seminar Hall, Labs	Yuvraj Date	Aniket Mahangare	35.
8	Accounts	Permission and submission		Shubhangi	HALL
9	Anchoring		Madhuri Sarpale	Tarmode	- hatherore

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(M B Patil)

Politim Kas

(P M Shilimkar)

Principal

(Dr. M V Dalvi)



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Faculty of Engineering, Naigaon, Pune-412213



Department of E&TC Engineering

With reference to the meeting held in E&TC Department dated 27th January 2024 the following faculty members are assigned various duties for the workshop on "Advance Java with Spring Boot".

Sr. No.	Committee	Role and Responsibility	Faculty Member	Sign
1	Registration and Attendance	Offline Enrollment of student Attendance per session	PMS	Prol
2	Experts & Guest Hospitality	Looking after expert and guest and making them feel comfortable	ASJ	# Home
3	Inauguration & valedictory	Dice prepration(clean table cloth, Name Plates, small water bottle, stationary-notepad & pen, minute to minute flow of program), mic and projector, Saraswati Pujan, Back Drop Flex	SRS	Quade
4	Photography	Photographs of inauguration, seminar, hand-son, valedictory and staff with resource	LMS	and a
5	Feedback and e- certificates	Offline and online feedback, e-certificate generation and distribution	SNT	Sale -
6	Publicity	News formation and publishing in news papers	LMS	Yest
7	Seminar and Hands on Session	Classroom and lab availability	VBJ and LMS	
8	Cleaning	Classroom, Seminar Hall, Labs		
9	Documentation	From permission to completion and activity report	ASJ (activity Report)	Pmp
10	Accounts	Permission and submission	PMS	pmy
11	Anchoring	Inaugural and Validtaory	PMS	pmg
12	Reforestmo	M.	PMS	

HOD

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(M B Patil)

(Dr. M V Dalvi)

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Java Feature

- Lambda expressions
- · Company use case of lambda expressions
- · Functional interfaces
- · Default and static methods in interface
- · Stream API with collections
- · Date and time API

Advance Java

1. Introduction to Advanced Java concept

- Introduction to advanced java and its significance.
- Understanding the need for advanced features & libraries

2. Java Database Connectivity(JDBC)

- · JDBC architecture and drivers
- · Connecting to database
- · Executing SQL queries using Java
- Statements & prepared statements
- · Handling resultSets
- Interview question practices

3. Model-View-Controller(MVC) Servlet

- · Understanding MVC architecture
- Implementing MVC with servlets and JSP
- Developing a complete web application
- · Solving companys use cases
- Separation of Layers:
- Models, views and controllers

4. Web Services and APIs

- Developing RESTful web services
- JSON

5. Model-View Controller(MVC)Spring Boot

- •Introduction of Servlets
- •Servlets lifecycle and request processing
- •Handling forms and user inputs
- ·Session management
- •Integration with database
- •Understanding MVC architecture
- •Implementing MVC with spring boot
- ·Developing web application
- ·Separation of layers

Setting Up Development Environment:

- Installing JDK(Java Development Kit)
- Configuring the PATH environment variable
- IDE's like Eclipse
- Eclipse keyboard shortcuts

Core Concept

- · Package and import
- JDK and JRE
- JVM
- Class communication

Access Specifier/Modifier

- Private
- Default
- Protected

Garbage Collection(GC)

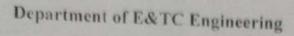
- Memory management
- Demon threrad concept
- Importance of finalize() method
- System.gc() & runtime.gc()
- Multithreding
 - Thread introduction
 - Creating & managing threads
 - Extending thread class
 - Implementing runnable interface

- Instance Block
- Static Block

- Public
- Company Scenarios & real-life examples

- Thread life cycle
- Demon thread & non-demon thread
- Useful methods

Faculty of Engineering, Naigaon, Pune-412213





(9.05-11-02

Note of Training Session: Adv. Java with spoing boot

Student Name		
	Class	Sign
Aditya Hirve	TE	Alieane
Anilet Mahapappe	TE	Sprakargana
Marindra Jagan	SE	Poren du
Francy Salunke	SE	FORME
Frothmesh Kirve	TF	0
Om Kar Ranjane	T.F.	800.3
Janes Garkwad	T.F	fauri
Siddhi Sutar	S.E.	Sutcle
Sarpale Madhuri	SF	Meageell
Thorat Shivani	S.E	thorat
Amruta Dhotre	S.E	ancests.
Shrikant Gunja	TE	3
Abbijit Hanshchandra chavan	₹E	Maraz.
Neho Rojesh Powor	BE	Aleka
Sakshi Suntosh Mulusare	BE	That I
Auliya Firoj Tomboli	BE	Afembah
Vaishnavi Sunil Nigode	T. E	Tigade
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Faculty of Engineering, Naigaon, Pune-412213

Department of E&TC Engineering

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Time:

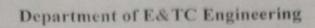
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Student Name	Class	Sign
Mahandore Aniket	TE	- Smatgatur!
Adita Hrove	TIE	Alsoe,
Navendra Jagtap	SE	Quendy
Pranay Salunke	SE	- Folivie
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Kirve Brathmesh	TE	
Gaikwad Gauei	TE	Javei
Siddhi Sutar	SE	educe
Sorpale Madhuri	SE	MSerepull
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Shrikaert Cacujal	TE	3
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Neta Rojesh Powar	BE	THENO
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Aliya Firoj Tambodi	BE	@fambali
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Faculty of Engineering, Naigaon, Pune-412213





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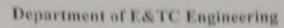
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1)	Mahangare Aniket	TE	Thelangor.
8)	Hirve paditya	TE	Aligon
9)	Marendra Jagtap	S.E	(Haris ars
-10-	Pranay Salunke	S.E	- FOUNTS
11>	Shrikaret Gunjal	TE	04:
12)	Siddhi Sutar	SE	Sutal
131	Sarpale Madhuri	SE	Mergall
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6) Shreyashkumar Saswade	SE E&TC	S.D. Sabwade
3 Salunkhe Pratik	SE ELETC	95
8) Gavert Bochare	S.E ESTE	Cos
9) Monali Narute	TEESTC	Whith wik
10 Juytop Ajinkya 11 Hagawane Skash	TE ERTC	A.P. Tugter
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13) Bukan Jyoti vivek	T.E. £ & TC	- Buranay
14) Tak Grishma Ganesh	T.E EFTC	Gat.
15) Kulkami Vaishnavi Parag	TE. FETC	Apllooni.
16). Walhelar Shravapi vilas	TE ERTE	500
17), Kadbane Varsta Namber		Vachone
[8] Gorc. priyanka Kisan	T.E F4TC	- Kor
19) Gore d'aitali R.	T.F. FSTC	gore, CP
20) Padaltat Kitti Ramchandro		Stadaltas.
21 Bhosale shraddha o.	T.E EL TO	Mesde.
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Faculty of Engineering, Naigaon, Pune-412213





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NOTICE

All students of the Computer Engineering Department are hereby informed that on 22nd Feb 2024, Computer Engineering Department is organising Seminar on In-Depth Data Analysis with Python: Methods, Tools, and Best Practices.

This seminar is designed to provide a comprehensive overview of data analysis techniques using Python, focusing on methods, tools, and industry best practices. This seminar will be conducted by guest of honour Mr. Rajesh Kumar. All students are encouraged to participate and enhance their knowledge in this vital subject.

Nalgeon
Tel. Bhor,
Dist. Pune

Dr.M.V. Dalvi Principal



NAVSAHYADRI GROUP OF INSTITUTES, FACULTY OF ENGINEERING



Sr. No. 69,70,71, Naigaon (Nasarapur), Pune-Satara Highway, Pune-412213

Department of Computer Engineering

ACTIVITY REPORT

- 1. Title of Activity: In-Depth Data Analysis with Python: Methods, Tools, and Best Practices
- 2. Date & venue: 22 February 2024 NESGI Campus.
- 3. Number of Students Participated: 70

4. Outcomes of activity:

Enhanced Skills: Students developed advanced skills in data analysis using Python, including data cleaning, exploration, and visualization.

Tool Proficiency: Participants became proficient in using Python libraries such as Pandas, NumPy, Matplotlib, and Seaborn.

Best Practices: Students learned best practices for handling and analyzing data, ensuring accuracy and reliability in their analyses.

Practical Knowledge: The seminar provided practical knowledge that students can apply to real-world data analysis projects and future careers.

5. Description of activity:

- The Computer Engineering Department of NAVSAHYADRI GROUP OF INSTITUTES, FACULTY OF ENGINEERING organized a Seminar titled "In-Depth Data Analysis with Python: Methods, Tools, and Best Practices". This seminar is conducted by guest of honor Mr. Rajesh Kumar and. our respected Principal Dr. M.V. Dalvi was present and actively participated in the activity to motivate students. The seminar was aimed to provide a comprehensive understanding of advanced data analysis techniques using Python.
- The session commenced with an introduction to the core Python libraries essential for data analysis, including Pandas for data manipulation, NumPy for numerical computations, and Matplotlib and Seaborn for data visualization.

The seminar covered a range of topics:

- Data Cleaning and Preprocessing: Techniques for handling missing values, outliers, and data transformations.
- Exploratory Data Analysis (EDA): Methods for summarizing and exploring datasets to uncover patterns and insights.
- Advanced Visualization: Creating complex visualizations to effectively communicate data insights.

- Statistical Analysis: Applying statistical methods to analyze data and make data-driven decisions.
- Participants engaged in hands-on exercises and real-world case studies, where they applied the learned methods
 and tools to analyze datasets. The seminar also included discussions on best practices for ensuring the accuracy
 and reliability of data analysis results.

6. Summary & conclusion

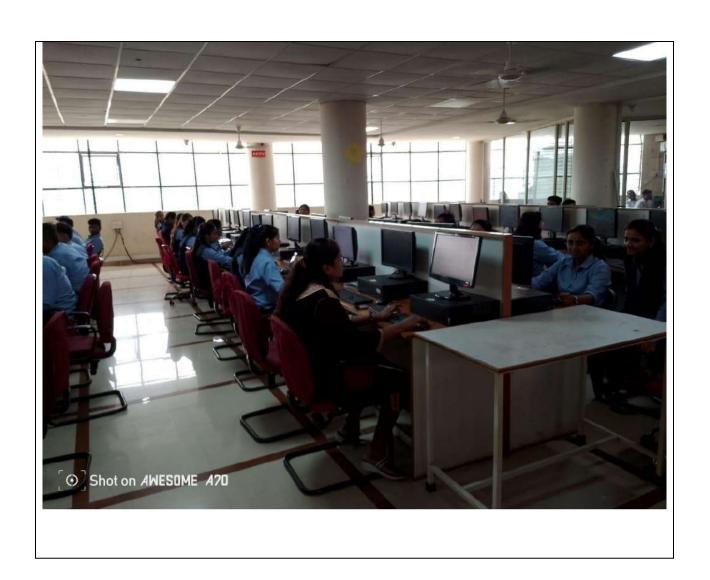
The seminar successfully achieved its objectives by providing students with in-depth knowledge and practical skills in data analysis with Python. The interactive sessions and hands-on exercises allowed participants to apply advanced techniques and tools, enhancing their proficiency in data analysis. The seminar highlighted the importance of best practices in data analysis and equipped students with valuable skills that are directly applicable to real-world scenarios. Overall, the seminar was a valuable educational experience, preparing students for future data analysis challenges and opportunities.

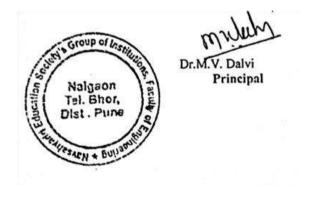
7. Feedback

Students appreciated the detailed coverage of advanced data analysis techniques and the practical approach of the seminar. The hands-on exercises were particularly well-received, providing a tangible understanding of how to apply Python tools and methods to real data analysis tasks. Many students expressed interest in further workshops on related topics and requested additional resources for deepening their knowledge. The seminar was praised for its relevance to current industry practices and its effectiveness in enhancing participants' data analysis skills.

8. Photos of activity.







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oll No.	Name of Students	Signature
1	AMATE ADITYA PRASHANT	Annate
2	AMBLE ARTI MININATH	AMA.
3	ANJALI SANTOSH KOLHE	AKONES
4	AVINASH SHRIMANT VHANMANE	Pagouors
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Dr.M.V. Dalvi Principal





NOTICE

All students of the Computer Engineering Department are hereby informed that on 14th Feb 24 to 15th Feb 24, Computer Engineering Department is organising a Workshop on Research Methodology.

The workshop on Startups and New Ventures aimed to provide students with essential knowledge and practical skills to embark on entrepreneurial journeys.



Dr. M. V. Dalvi

Principal

NESGI, Faculty of Engineering
Gat No.69,70,71,Naigaon, Tal. Bhor, Dist. Pune





1. Title of Activity: Workshop on Research Methodology.

2. Date & venue: 14th Feb 24 to 15th Feb 24

3. Number of Students Participated: 28

4. Outcomes of Activity:

- Gained a comprehensive understanding of research methodologies across various disciplines.
- Learned how to formulate research questions, hypotheses, and objectives.
- Developed skills in selecting appropriate research designs and data collection methods.
- Improved knowledge of qualitative and quantitative data analysis techniques.
- Acquired the ability to write research proposals and structure academic research papers effectively.
- Enhanced awareness of ethical considerations in research, including plagiarism and data integrity.

5. Description of Activity:

The **Workshop on Research Methodology** focused on providing participants with a strong foundation in the principles and practices of academic research. The workshop was divided into several key modules:

- **Introduction to Research:** Overview of the research process, defining research problems, and formulating research questions.
- Research Designs: Explanation of various research designs, including exploratory, descriptive, and experimental designs.
- **Data Collection Methods:** Understanding the tools and techniques for collecting primary and secondary data.
- Qualitative vs. Quantitative Research: A detailed comparison of the two approaches, including when and how to use each.
- **Data Analysis Techniques:** Introduction to data analysis tools and software such as SPSS, R, and NVivo for both qualitative and quantitative data.
- Writing a Research Proposal: Guidance on structuring a clear and compelling research proposal.
- Ethics in Research: Emphasis on maintaining integrity, avoiding plagiarism, and adhering to ethical standards in research.





6. Summary & Conclusion:

The Workshop on Research Methodology successfully provided participants with the essential tools and techniques needed for conducting rigorous academic research. Participants learned how to design and implement research projects, from the initial stages of problem identification to the final stages of data analysis and reporting. By the end of the workshop, students were better equipped to undertake their own research projects with a clear understanding of best practices and ethical standards. The workshop fostered critical thinking and analytical skills that will be valuable in future academic and professional endeavours.

7. Feedback:

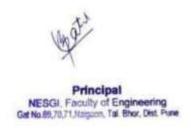
Participants expressed high satisfaction with the workshop, particularly appreciating the in-depth coverage of both qualitative and quantitative research methods. The interactive sessions, including real-world examples and case studies, were well received. Attendees noted that the guidance on writing research proposals and structuring research papers was particularly useful. Many students suggested that similar workshops should be held regularly to provide deeper insights into specific aspects of research methodology. Overall, the feedback indicated that the workshop met its objectives and provided valuable learning outcomes.

8. Activity Photos:













Day 1 - 14th Feb 24

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Roll No.	Name of Students	Signature
1	AMATE ADITYA PRASHANT	Agriate
2	AMBLE ARTI MININATH	AMA
3	ANJALI SANTOSH KOLHE	AKONES
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27	KHARIWALE SANIKA SURYAKANT	
28	KULKARNI ROHIT VASANT	Rohitokulkon
29	MENDHE UTKARSH GANESH	UTKando
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Day 2 - 15th Feb 24

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1	AMATE ADITYA PRASHANT	Agriate
2	AMBLE ARTI MININATH	AMA
3	ANJALI SANTOSH KOLHE	AKONES
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29	MENDHE UTKARSH GANESH	UTKando
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NOTICE

All students of the Computer Engineering Department are hereby informed that on 4 March 2024 - 5 March 2024, Computer Engineering Department is organising Seminar on Next-Gen Data Science: Utilising AI and Python for Advanced Analysis

This seminar is designed to introduce and explore cutting-edge techniques in data science, with a focus on leveraging Artificial Intelligence (AI) and Python for sophisticated data analysis.



Dr.M.V. Dalvi Principal



NAVSAHYADRI GROUP OF INSTITUTES, FACULTY OF ENGINEERING



Sr. No. 69,70,71, Naigaon (Nasarapur), Pune-Satara Highway, Pune-412213

Department of Computer Engineering

ACTIVITY REPORT

- 1. Title of Activity: Next-Gen Data Science: Utilizing AI and Python for Advanced Analysis
- 2. Date & venue: 4 March 2024- 5 March 2024 NESGI Campus.
- 3. Number of Students Participated: 65
- 4. Outcomes of activity:

Advanced Knowledge: Students gained in-depth knowledge of how AI and Python can be utilized in data science for advanced data analysis.

Skill Development: Participants developed practical skills in applying AI techniques using Python to solve complex data problems.

Enhanced Understanding: Attendees learned about the latest trends and technologies in data science and AI, including real-world applications and tools.

Career Advancement: The seminar equipped students with valuable skills and insights that enhance their career prospects in data science and AI fields.

5. Description of activity:

The Computer Engineering Department of NAVSAHYADRI GROUP OF INSTITUTES, FACULTY OF ENGINEERING organized a Seminar titled "Next-Gen Data Science: Utilizing AI and Python for Advanced Analysis". This seminar was conducted by guest of honor Ms. Pooja Mehta and. our respected Principal Dr. M.V. Dalvi was present and actively participated in the activity to motivate students. The seminar was designed to provide participants with a comprehensive understanding of how artificial intelligence (AI) and Python can be leveraged for advanced data analysis.

The session began with an overview of the role of AI in modern data science, including key concepts and technologies such as machine learning and neural networks. Participants were introduced to Python libraries essential for AI and data science, including Pandas, NumPy, Scikit-Learn, and TensorFlow.

Key topics covered included:

AI and Machine Learning Basics: An introduction to AI concepts and machine learning algorithms, and how
they apply to data analysis.

- Data Preparation and Cleaning: Techniques for preparing and cleaning data to ensure accuracy and reliability in analysis.
- Advanced Analytics: Implementing machine learning models and algorithms using Python to analyze complex datasets and derive actionable insights.
- **Real-World Applications:** Case studies and examples demonstrating how AI and Python are used in various industries to solve real-world problems.

The seminar featured hands-on exercises where students applied AI techniques using Python to real datasets. This practical approach helped participants gain experience in building and evaluating machine learning models and using AI tools for advanced data analysis.

6. Summary & conclusion

The seminar effectively met its objectives by equipping students with a deep understanding of how AI and Python can be utilized in data science. The combination of theoretical knowledge and practical exercises provided participants with valuable skills that can be applied to real-world data challenges. The seminar highlighted the transformative potential of AI in data science and prepared students for future roles in these rapidly evolving fields.

7. Feedback

Feedback from participants was overwhelmingly positive. Students appreciated the comprehensive coverage of advanced data science techniques and the practical application of AI with Python. The hands-on exercises and real-world examples were particularly well-received, providing valuable experience in implementing AI solutions. Many students expressed interest in further workshops on related topics and requested additional resources for deepening their understanding. The seminar was praised for its relevance to current industry trends and its effectiveness in advancing participants' data science skills.

8. Photos of activity.







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2	AMBLE ARTI MININATH	_AMA_
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NAVSAHYADRI GROUP OF INSTITUTIONS FACULTY OF ENGINEERING

Seminar On

Data Visualization with Tableau, Creating Interactive Dashboards and Reports

What You'll Learn:

- Master the essentials of Tableau and data visualization.
- Build interactive dashboards that communicate insights effectively.
- Learn how to create dynamic reports to drive better business decisions.

Contact:

Prof. R. R. Bhuvad 9623024926

<u>Hands-On</u> <u>Training</u>

- Importing and preparing data for visualization.
- Crafting compelling visual stories using Tableau's tools.
- Designing interactive dashboards with filters, parameters, and tooltips.
- Sharing dashboards and reports with stakeholders.

Department of Computer Engineering

VENU: COMPUTER CENTER
Date: 19 April 2024
TIME: 10:00 AM



NAVSAHYADRI GROUP OF INSTITUTES, FACULTY OF ENGINEERING



Sr. No. 69,70,71, Naigaon (Nasarapur), Pune-Satara Highway, Pune-412213

Department of Computer Engineering

ACTIVITY REPORT

- 1. Title of Activity: Data Visualization with Tableau, Creating Interactive Dashboards and Reports
- 2. Date & venue: 19 April 2024 NESGI Campus.
- 3. Number of Students Participated: 71

4. Outcomes of activity:

Enhanced Skills: Participants developed practical skills in using Tableau for creating interactive and visually appealing dashboards and reports.

Improved Understanding: Attendees gained a deeper understanding of data visualization principles and best practices.

Hands-On Experience: Students received hands-on training with Tableau, learning how to manipulate data, create visualizations, and build interactive dashboards.

Real-World Applications: The seminar highlighted real-world applications of data visualization in various industries, providing context for how these skills can be applied in professional settings.

5. Description of activity:

The Computer Engineering Department of NAVSAHYADRI GROUP OF INSTITUTES, FACULTY OF ENGINEERING organized a Seminar titled "Data Visualization with Tableau: Creating Interactive Dashboards and Reports". This seminar is conducted by guest of honor Mr. Vikram Singh and. our respected Principal Dr. M.V. Dalvi was present and actively participated in the activity to motivate students. The seminar aimed to equip participants with the skills needed to effectively use Tableau for data visualization. The session included

Introduction to Tableau: Overview of Tableau's capabilities and its role in data visualization. Participants were introduced to the Tableau interface and key features.

Data Preparation: Techniques for preparing and importing data into Tableau, including data cleaning and transformation.

Creating Visualizations: Hands-on exercises in creating various types of visualizations, such as bar charts, line graphs, scatter plots, and maps.

Building Dashboards: Training on how to combine multiple visualizations into interactive dashboards, including adding filters, parameters, and interactivity.

Report Generation: Methods for designing and generating reports that effectively communicate insights and support decision-making.

Case Studies: Real-world examples demonstrating how Tableau is used in different industries for data analysis and reporting.

Participants engaged in interactive sessions with practical exercises using Tableau, which allowed them to apply the concepts learned and create their own dashboards and reports.

6. Summary & conclusion

The seminar successfully provided participants with comprehensive training in Tableau for data visualization. By covering both theoretical concepts and practical applications, the session equipped students with the skills needed to create and manage interactive dashboards and reports. The hands-on approach ensured that attendees could directly apply what they learned to real-world scenarios, enhancing their ability to visualize and interpret data effectively.

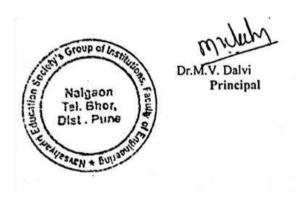
7. Feedback

Feedback from participants was highly positive. Students appreciated the practical, hands-on approach to learning Tableau and found the exercises to be highly relevant and beneficial. The real-world case studies were particularly valued, as they provided practical context for the skills learned. Many participants expressed interest in further workshops on advanced Tableau features and other data visualization tools. Suggestions for improvement included providing more examples of complex dashboard scenarios and offering additional support for beginners.

8. Photos of activity.







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NOTICE

All students of the Mechanical Engineering Department are hereby informed that on 07 September 2022, Mechanical Engineering Department is organising Seminar on ARM Based Embedded Web Server.

This seminar will provide valuable insights into ARM architecture and how it can be applied to create efficient, low-power embedded web servers. The topics covered will include:

- Introduction to ARM Architecture
- Embedded Systems and their Applications
- Designing Web Servers using ARM Processors
- Real-time Case Studies and Project Demonstrations







NAVSAHYADRI GROUP OF INSTITUTES, FACULTY OF ENGINEERING

Sr. No. 69,70,71, Naigaon (Nasarapur), Pune-Satara Highway, Pune-412213

ACTIVITY REPORT

1. Title of Activity: ARM Based Embedded Web Server

2. Date & venue: 7th September 2022, Computer Center NESGI

3. Outcome of activity:

- The ARM-Based Embedded Web Server project aimed to develop and implement a web server on ARM architecture, exploring its applications in the Internet of Things (IoT) and embedded systems.
- The project focused on utilizing ARM microcontrollers to host a web server that could handle HTTP requests and responses efficiently.

4. Description of activity:

- Inauguration of function
- Speech on ARM Based Embedded Web Server

5. Objectives:

Understanding ARM Architecture:

Overview of ARM architecture and its suitability for embedded systems. Exploration of ARM microcontrollers with a focus on web server capabilities.

Web Server Development:

Setup and configuration of the ARM-based embedded system for web server hosting. Development of basic web pages and dynamic content generation on the server.



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Integration with IoT Devices:

Investigate and implement communication protocols for IoT devices to interact with the embedded web server. Explore the potential for remote monitoring and control using web-based interfaces.

Security Considerations:

Implementation of basic security measures such as authentication and encryption. Discussion on securing embedded web servers in IoT applications.

6. Activities:

1. ARM Architecture Workshop: In-depth sessions on ARM architecture and its variations suitable for embedded applications. Hands-on exercises to familiarize participants with ARM microcontrollers.

2. Web Server Development:

Participants configured ARM development environments and successfully set up web servers on ARM-based platforms. Coding sessions to create basic web pages, handle HTTP requests, and generate dynamic content.

3. IoT Integration:

Implementation of communication protocols (e.g., MQTT, CoAP) for IoT device interaction. Participants explored real-world scenarios where an embedded web server could be utilized in IoT applications.

4. Security Implementation:

Workshop sessions on securing the embedded web server, including authentication mechanisms. Discussions on potential vulnerabilities and best practices for securing IoT applications.



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7. Achievements:

Successful Web Server Deployment:

Participants achieved successful deployment of a functional web server on ARM architecture.

IoT Integration Demonstrations:

Demonstrations showcased successful integration of the embedded web server with IoT devices for remote monitoring and control.

Security Implementation:

Basic security measures were implemented, highlighting the importance of securing embedded web servers in IoT applications.

Knowledge Transfer:

Participants gained a solid understanding of ARM architecture, web server development, and IoT integration.

Challenges:

Limited resources on some ARM microcontrollers posed challenges in optimizing web server performance. Addressing security concerns and balancing them with resource constraints.

Recommendations for Future Work:

Explore advanced security measures for embedded web servers. Investigate optimization techniques for resource-constrained ARM microcontrollers.



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8. Conclusion: The ARM-Based Embedded Web Server project provided participants with valuable insights into ARM architecture, web server development, and IoT integration. The successful deployment of a functional embedded web server demonstrates the potential applications of this technology in various industries. The project not only addressed technical challenges but also emphasized the importance of security considerations in IoT applications.

9. Photos of the workshop









Sr. No. 69,70,71, Naigaon (Nasarapur), Pune-Satara Highway, Pune-412213

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Navsahyadri Group of Institutions, Faculty of Engg. Department of Mechanical Engineering Academic Year: 2022-23



NOTICE

We are excited to announce that the Mechanical Engineering Department is organizing a seminar on **Flexible Battery Technologies**, which are revolutionising the future of energy storage. The seminar will explore cutting-edge advancements in flexible, lightweight, and efficient battery designs, which have applications in wearable electronics, medical devices, flexible electronics, and more.

Topics to be Covered:

- Introduction to Flexible Battery Technologies
- Materials and Design Principles
- Applications in Wearable and Flexible Electronics
- Future Prospects and Innovations

Date - 7 Sep 2022







Sr. No. 69,70,71, Naigaon (Nasarapur), Pune-Satara Highway, Pune-412213

ACTIVITY REPORT

1. Title of Activity: Flexible Battery Technologies

2. Date & venue: 7th September 2022, Classroom No. 11, Electrical Department

3. Outcome of activity:

- Participants gained a comprehensive understanding of the principles, materials, and manufacturing processes involved in flexible battery technologies.
- Practical Skills Development: Participants acquired hands-on experience through workshops or practical sessions, including the assembly and testing of flexible battery prototypes.
- Awareness of Emerging Trends: Attendees were updated on the latest advancements and emerging trends in the field of flexible battery technologies.
- Applications and Innovations Showcase: The workshop showcased various applications
 and innovative projects utilizing flexible batteries, providing participants with insights
 into the real-world impact of the technology.
- Expert Insights: Industry experts and thought leaders shared valuable insights, providing
 participants with a deeper understanding of the challenges, opportunities, and future
 directions in flexible battery technologies.

4. Description of activity:

- Inauguration of function
- Speech on Flexible Battery Technologies
- **5. Hands-On Sessions:** Practical demonstrations and exercises to enhance understanding. Opportunities for participants to work with flexible battery prototypes.



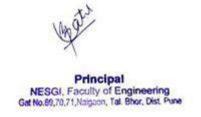
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- **6. Expert Sessions:** Talks and presentations by industry experts on the latest developments. Q&A sessions for participants to engage with speakers.
- **7. Networking Opportunities:** Structured networking sessions to foster collaboration and idea exchange. Building connections with professionals in the field.

8. Photos of the workshop









Sr. No. 69,70,71, Naigaon (Nasarapur), Pune-Satara Highway, Pune-412213

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Navsahyadri Group of Institutions, Faculty of Engg. Department of Mechanical Engineering Academic Year: 2022-23



NOTICE

All students of the Mechanical Engineering Department are hereby informed that on 12-Sep-2022, Mechanical Engineering Department is organising "3DPrintingWorkshop".

This workshop will cover the fundamentals of 3D printing, its applications in various fields, and the practical skills needed to design and print your own models.

Workshop Highlights:

- Introduction to 3D Printing Technology
- Designing 3D Models Using CAD Software
- Applications in Engineering, Medicine, Manufacturing, and Art





Department of Mechanical Engineering

Title of Activity: A Reporton, "3DPrintingWorkshop".

Academic Year: 2022-23

Date & Venue: 12-Sept-2022, Abdul Kalam Memorial Hall

Activity : 3D Printing Workshop

Resource Person / Trainer: Mr. Digvijay Pote & Ms. Pooja Patil

Co-ordinator: Mechanical Engineering Department (Prof. J. P. Hugar)

Target audience: TE & BE Students

Total Number of Students Participated: 116

Duration of Course: One Day

Objectives:

1. This course will demonstrate on the working of 3Dprinter,

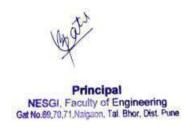
- 2. 3Dprinting course will also explore the future of it and discussion how it will revolutionize the world.
- 3. Upon the completion of this course, students will have the solid understanding of 3Dprinting, its potential, and ability to print 3D designs.

Outcome of Activity:

At the conclusion of this course, students should be able to

- 1. Learn about the materials, designing of CAD models, working of a 3D Printer
- 2. Understand how to build and calibrate a 3Dprinter
- 3. Understand the basics of Gcode generation
- **4.** The participants will get 3Dprinted models that they design





Department of Mechanical Engineering

Activity Description:

This training program organized for Third year & Final year Mechanical Engineering students. Training create lots of awareness among the students regarding 3D Printing and its applications. Students learnt about 3D printing programming & completed hands on training.

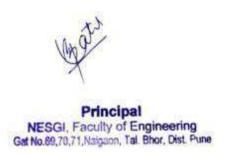


Workshopon3DPrintingTechnology

Feedback:

• All students are happy about the course content of this activity. They feel motivated toward 3Dprinting course. All objectives are fulfilled.





Department of Mechanical Engineering

NAVSAHYADRI EDUCATION SOCIETYS GROUP OF INSTITUTIONS FACULTY OF ENGINEERING, NAIGAON, PUNE DEPARTMENT OF MECHANICAL ENGINEERING A.Y. 2022-23 TE

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Department of Mechanical Engineering

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Department of Mechanical Engineering

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Department of Mechanical Engineering

NAVSAHYADRI GROUP OF INSTITUTES FACULTY OF ENGINEERING, NAIGAON, PUNE DEPARTMENT OF MECHANICAL ENGINEERING A.Y. 2022-23 BE

Roll.No.	Name of Student	Signature
1	Abhishek Babasaheb Jadhav	The state of the s
2	Ajit Dilip Arjun	A Rigur
3	Barwakar Abhijit Prakash	ates =
4	CHAVAN SWAPNIL DAULAT	Chavel.
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7	GHODE DIPAK MARUTI	CHOOLD
8	Desai Shankar Santosh	Shankeg Do
9	Gaikwad Akash Shankar	Gikwad A.D
10	Gaikwad Rutuja Vijay	Dynt.
11	Gajanan Suryakant Phad	Granner .
12	Gogawale Hrishikesh Kaluram	commute
13	Inamdar Saurabh Pramod	Christan
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24	Maheen Noorshan Khan	Mhueuri
25	Maity Amit Kumar Narayan	6 PISHON
26	Malve Kajal Shankar	Madhau
27	JADHAV MANDAR BABAJI	Kinney
28	Mandavkar Avadhut Mahadev	Kam
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31	Nivalkar Bhavik Prakash	Muches







Navsahyadri Group of Institutions, Faculty of Engg. Department of Electrical Engineering Academic Year: 2022-23



NOTICE

All students of the Electrical Engineering Department are hereby informed that on 21st October 2022, Electrical Engineering Department is organising Seminar on Electricity Theft Monitoring System.

This seminar will provide insights into the latest technologies used to detect and prevent electricity theft, with a focus on smart grid integration and IoT-based monitoring systems.

Topics to be Covered:

- Overview of Electricity Theft and its Impact
- Technologies for Monitoring and Prevention
- IoT Solutions and Smart Grid Applications
- Case Studies and Real-world Implementations







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ACTIVITY REPORT

1. Title of Activity: Electricity Theft Monitoring System

2. Date & venue: 21st October 2022, Seminar Hall, NESGI

3. Outcome of activity:

- The primary objective of the workshop was to create awareness about the prevalence of
 electricity theft, discuss the challenges associated with it, and introduce an effective
 monitoring system as a solution.
- The workshop aimed to foster collaboration among industry experts, government officials, and technology providers to enhance the understanding of electricity theft issues and promote the adoption of advanced monitoring systems.

4. Description of activity:

- Inauguration of function
- Speech on Electricity Theft Monitoring System

5. Introduction to Electricity Theft:

The workshop began with an overview of the extent of electricity theft globally, emphasizing its impact on the economy, power distribution systems, and the environment. Current Challenges in Electricity

Theft Monitoring: Participants engaged in discussions about the challenges faced by utilities in detecting and preventing electricity theft. Issues such as outdated monitoring systems, lack of real-time data, and difficulties in identifying illegal connections were addressed.



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Overview of Electricity Theft Monitoring System:

A comprehensive presentation was made on the features and functionalities of the Electricity Theft Monitoring System. This included real-time data collection, analytics, and the integration of advanced technologies such as smart meters and artificial intelligence.

Technical Features and Capabilities:

Detailed technical aspects of the monitoring system, including data encryption, remote monitoring capabilities, and scalability, were discussed. Participants gained insights into how the system could be customized to suit various utility infrastructures.

Case Studies and Success Stories:

Real-world case studies and success stories of utilities that had successfully implemented the Electricity Theft Monitoring System were presented. These examples showcased the positive impact on reducing electricity theft and improving overall system efficiency.

Interactive Sessions and Panel Discussions:

Participants actively engaged in interactive sessions and panel discussions, providing a platform for exchanging ideas, sharing experiences, and addressing specific challenges faced by different regions and utilities.

Q&A Session:

A dedicated question and answer session allowed participants to seek clarification, share concerns, and gather more information about the implementation and operation of the Electricity Theft Monitoring System.

Networking and Collaboration Opportunities:

The workshop provided ample opportunities for networking among participants, fostering collaborations between technology providers, utility companies, and government agencies to



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collectively combat electricity theft.

6. Conclusion:

The Electricity Theft Monitoring System workshop proved to be a valuable platform for knowledge exchange and collaboration within the energy sector. Participants gained a deeper understanding of the challenges associated with electricity theft and explored effective solutions through the implementation of advanced monitoring systems. The event concluded with a call to action for increased cooperation among stakeholders to address this critical issue and ensure a more sustainable and secure energy future.

7. Photos of the workshop:









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Navsahyadri Education Society's Group of Institutions Naigaon Pune-412213

Department of Electrical Engineering Academic Year 2022-23(SEM-I)

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Navsahyadri Group of Institutions, Faculty of Engg. Department of Mechanical Engineering Academic Year: 2022-23



NOTICE

All students of the Mechanical Engineering Department are hereby informed that on 9th Jan 2023, Mechanical Engineering Department is organising a Session on Research Paper Writing.

This session is designed to provide guidance on how to write impactful research papers that meet academic standards and contribute to your field of study. Whether you are new to research or looking to improve your writing skills, this session will offer valuable tips and best practices.





Department of Mechanical Engineering

1. Title of Activity: Research Paper Writing

2. Date & Venue: 9th Jan 2023, Abdul Kalam Seminar Hall.

3. Outcomes of Activity: students got following concepts

How to write Research Paper

Perform literature survey in respected area

4. DescriptionofActivity:

A session was held on 9January 2023 from 10:00 a.m. to 1.00 pm at NESGI, Mechanical Engineering Department. The Program started as the guest arrived to 09:30 am. Prof. S. V. Tawade, HoD Mechanical Engineering, Prof S. A. Dahake, program coordinators, welcomed the guest Mr. J. S. Mane, and Dr. R. J. Patil Principal of NESGI, FOE, Pune, graced the occasion with his valuable words. Total numbers of participants were 75.

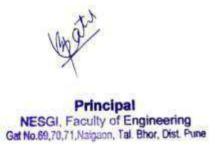
5. ActivityExperience:

All the students really appreciated the contents Discussed in session. Like how to evaluate problemstatements and analyze data using technologies, find out Problem Statement & Algorithm, Performance study & Conclusion. Students realized that this interaction can help them to improve their Research Paper WritingSkills.

6. Assessmentofactivityoutcomes:

After the completion of session, feedback was taken from the students.





Department of Mechanical Engineering

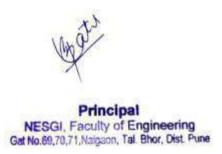
7. Photos:



8. Feedback:

All the students really appreciated the contents that were delivered; they realized that interactions likes these can help them improve their Paper Writing Skill.





Department of Mechanical Engineering

NAVSAHYADRI GROUP OF INSTITUTES FACULTY OF ENGINEERING, NAIGAON, PUNE DEPARTMENT OF MECHANICAL ENGINEERING A.Y. 2022-23 BE

Roll.No.	Name of Student	Signature
1	Abhishek Babasaheb Jadhav	THE .
2	Ajit Dilip Arjun	Dagier-
3	Barwakar Abhijit Prakash	Charles .
4	CHAVAN SWAPNIL DAULAT	Chavel.
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8	Desai Shankar Santosh	Shankeg D.S
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Department of Mechanical Engineering

32	Pandit Omkar Ramesh	Partit a
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34	PAWAR VIVEK SANJAY	Junet
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40	AUTADE RUTURAJ SURYAKANT	- For tire
41	Sabale Rohit Vilas	Robinson
42	KATTIMANI SAIPRASAD RAJKUMAR	Saiplasad R.
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Navsahyadri Group of Institutions, Faculty of Engg. Department of Mechanical Engineering Academic Year: 2022-23



NOTICE

All students of the Mechanical Engineering Department are hereby informed that on 13/03/2023, Mechanical Engineering Department is organising a Session on Intellectual Property Rights.

This session will provide a comprehensive understanding of intellectual property laws, their importance in protecting innovations, and the process of securing rights for your creations.

Topics to be Covered:

- Introduction to Intellectual Property (IP)
- Types of Intellectual Property: Patents, Trademarks, Copyrights, and Trade Secrets
- The Importance of IP in Research and Innovation
- How to Protect Your Inventions and Creations
- Filing Processes and Legal Procedures for Patents and Trademarks





Department of Mechanical Engineering

Title of Activity: Intellectual Property Rights

No. of participant staffs: 43

Event Co-Ordinator: Prof. J. P. Hugar

Date & venue: 13/03/2023, Seminar Hall

Outcomes of activity:

Intellectual Property (IP) is the fuel that powers the engine of prosperity, nurturing invention and innovation. The delegates were very enthusiastic to know about the IPR and also had given theirbest forthesuccessoftheprogram. Nowparticipants feel thattheyarereadyto filepatent of innovations and inventions.

Descriptionofactivity:

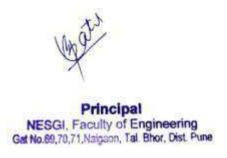
The training of the above mentioned subject was given to the faculty by inviting the senior expert Prof. (Dr.) B.K. Sarkar Member of IETE, ISTE, SMU, IIHT, Global R/D, and GEH. One day training period was divided into two sessions each of about two hours. Following points were discussed in this workshop

- $1.\ Patent Procedure, Time Line and Cost of Patent Filing in India Short Introduction.$
- 2. HowtoFileaStandardPatent-TheApplicationProcessinAustralia.
- Patent Law in India, Patent Filing in India, Patent Registration in India, Indian Patent Law
- 4. HowtoDraftaProvisionalPatentApplication
- 5. PatentApplicationFilingProcess
- 6. What IsaPatent andHowtoApplyfora Patent?
- 7. SalesTechniques-HowtoSell IdeastoBigCompanies-AskEvan

ActivityExperience:

This event made the staff aware of growing need for promotion and protection of the intellectual assets, in the form of Patents. Staff appreciated the contents discussed in session.





Department of Mechanical Engineering

Assessment of activity Outcomes:

The main objective of the training program is to increase IP filing of states. Staff benefited by this workshop and they started thinking in that direction.



IntellectualPropertyRightsworkshopPhoto

Feedback:

Staff really appreciated the contents that were delivered in this session. From the feedback of the audience, session on IPR & Patents is suggested to be pursued again.





Department of Mechanical Engineering

	Name of Participants	Signature
1	S. A. Dahake	8
2	N. D. Bhorde	NOS-
3	S.A. Chaudhari	-6
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5	V.B. Jagdele	CFA"
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Navsahyadri Group of Institutions, Faculty of Engg. Department of Computer Engineering Academic Year: 2023-24



NOTICE

All students of the Computer Engineering Department are hereby informed that on 12th November 2024, Computer Engineering Department is organising a Seminar on Java and Artificial Intelligence: Integrating AI into Java Applications for Smarter Solutions.

This seminar will explore how Java, one of the most widely used programming languages, can be leveraged to build intelligent applications by integrating AI technologies.

Topics to be Covered:

- Introduction to AI and Machine Learning Concepts
- Java Frameworks and Libraries for AI (e.g., Deeplearning4j, Weka, etc.)
- Developing AI-Driven Applications Using Java
- Case Studies and Practical Implementations of AI in Java Projects

WESGI PUNE PUNE

Dr. M. V. Dalvi

Principal

NESGI, Faculty of Engineering
Gat No.89,70,71, Maripaon, Tal. Bhor, Dist. Pune





Sr. No. 69,70,71, Naigaon (Nasarapur), Pune-Satara Highway, Pune-412213

Department of Computer Engineering

ACTIVITY REPORT

- 1. Title of Activity: Java and Artificial Intelligence: Integrating AI into Java Applications for Smarter Solutions
- 2. Date & venue: 12 November 2024 NESGI Campus.
- 3. Number of Students Participated: 65
- 4. Outcomes of activity:
- Enhanced Knowledge: Participants gained a comprehensive understanding of how AI can be integrated into Java applications.
- Practical Skills: Students learned how to use Java libraries and frameworks to implement AI and machine learning features.
- **Real-World Application:** Attendees were able to explore practical use cases of AI in Java applications, from building recommendation systems to implementing natural language processing.
- Career Development: The seminar provided valuable insights and skills that are applicable to careers in both AI and software development.

5. Description of activity:

The Computer Engineering Department of NAVSAHYADRI GROUP OF INSTITUTES, FACULTY OF ENGINEERING organized a Seminar titled "Java and Artificial Intelligence: Integrating AI into Java Applications for Smarter Solutions". This seminar was conducted by guest of honor Mr. Karan Verma and. our respected Principal Dr. M.V. Dalvi was present and actively participated in the activity to motivate students. The seminar was designed to provide participants with knowledge and practical skills on how to enhance Java applications using artificial intelligence.

The session covered:

Introduction to AI in Java: Overview of artificial intelligence concepts and how Java can be utilized to implement AI features.

AI Libraries and Frameworks: Detailed exploration of popular Java libraries and frameworks for AI, such as Deeplearning4j, Weka, and Apache Mahout.

Building AI Models: Hands-on experience in creating, training, and evaluating machine learning models using Java. Participants worked with real-world datasets to apply AI techniques.

Integration Techniques: Methods for integrating AI models into Java applications, including practical examples of implementing recommendation systems, predictive analytics, and natural language processing.

Case Studies: Examination of successful AI-powered Java applications across various industries, illustrating practical implementations and benefits.

Participants engaged in interactive sessions and practical exercises, which included coding examples and demonstrations of how to integrate AI functionalities into Java applications. This hands-on approach provided students with direct experience in applying AI techniques using Java.

6. Summary & conclusion

The seminar effectively achieved its goals by equipping students with a robust understanding of integrating AI into Java applications. The combination of theoretical knowledge and practical exercises allowed participants to gain valuable skills and insights into enhancing applications with AI. The hands-on experience with AI libraries and frameworks was particularly beneficial, offering real-world relevance to the concepts discussed.

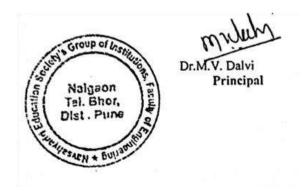
7. Feedback

Feedback from participants was overwhelmingly positive. Students appreciated the in-depth coverage of AI concepts and the practical application of these concepts using Java. The hands-on exercises and real-world case studies were highlighted as particularly valuable, providing practical experience in integrating AI features. Many students expressed interest in further workshops on related topics and requested additional resources for continued learning. The seminar was praised for its relevance to current industry trends and its effectiveness in enhancing participants' skills in AI and Java development.

8. Photos of activity.







Attendance

BE Computer

Roll No	Name of Students	Signature
1	AMATE ADITYA PRASHANT	Afrole
2	AMBLE ARTI MININATH	
3	ANJALI SANTOSH KOLHE	-AKONIL
4	AVINASH SHRIMANT VHANMANE	(Algoria
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7	CHANDANE RAJ TANAJI	- Jay
8	CHAVAN DIGVIJAY SATISH	C.D.S.
9	DARULU VINAY KUMAR	
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16	GAIKWAD SHRADDHA SURESH	Shanddlak
17	GANESH BHARAT VHANMANE	Vanore.
18	GAVHANE SHUBHAM RAJENDRA	BBP.
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21	GURAV DIVYA SATISH	Simon
22	HIRE VINAY ASHOK	Hine V.A
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46	SAKSHI PANDURANG BURLE	suldin
47	SAKSHI SUNIL KADAM	
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51	SANIKA SANJAY MANDHARE	(sm)
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53	SAWANT AKASH ANANDARAO	-Mash
54	SAYLI VIFTAL VACHAKAL	Sayali
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73	YEMUL SAIKRISHNA SHRIKANT	- 15 word-s



Dr.M.V. Dalvi Principal





NOTICE

All students of the Computer Engineering Department are hereby informed that on 4th December 2022, Computer Engineering Department is organising a Seminar on Beyond the Basics: Expert Data Analysis with Excel and Power BI.

This seminar is tailored for those looking to elevate their data analysis skills using Excel and Power BI, two of the most powerful tools in business analytics.



Dr. M. V. Dalvi

Principal

NESGI, Faculty of Engineering
Gat No.69,78,71,Naipaon, Tal. Bhor, Dist. Pune





Sr. No. 69,70,71, Naigaon (Nasarapur), Pune-Satara Highway, Pune-412213

Department of Computer Engineering

ACTIVITY REPORT

- 1. Title of Activity: Seminar on Beyond the Basics: Expert Data Analysis with Excel and Power BI
- 2. Date & venue: 4 December 2022 NESGI Campus.
- 3. Number of Students Participated: 61
- 4. Outcomes of activity:

Advanced Skill Development: Students acquired advanced skills in data analysis and visualization using Excel and Power BI.

Enhanced Proficiency: Participants gained proficiency in creating complex data models, dashboards, and reports.

Practical Knowledge: Attendees learned how to apply advanced techniques to real-world data analysis scenarios.

Career Preparation: The seminar provided insights and skills that can enhance career opportunities in data analysis and business intelligence.

5. Description of activity:

- The Computer Engineering Department of NAVSAHYADRI GROUP OF INSTITUTES, FACULTY OF ENGINEERING organized a Seminar titled "Beyond the Basics: Expert Data Analysis with Excel and Power BI". This seminar was conducted by guest of honor Mr. Sanjay Reddy and. our respected Principal Dr. R.J. Patil was present and actively participated in the activity to motivate students. The seminar was organized to provide participants with advanced knowledge and skills in using Excel and Power BI for data analysis and visualization.
- The session began with a review of foundational concepts in Excel and Power BI, setting the stage for more advanced topics. The seminar then covered several key areas:
- Advanced Excel Techniques: Participants explored advanced Excel features such as complex formulas, pivot tables, and data validation. Techniques for automating tasks with macros and VBA (Visual Basic for Applications) were also demonstrated.
- Power BI Features: The seminar delved into advanced Power BI functionalities, including data modeling,
 DAX (Data Analysis Expressions) formulas, and creating interactive dashboards.
- Integration and Visualization: Participants learned how to integrate data from various sources, create sophisticated visualizations, and design interactive reports that provide actionable insights.

Hands-on exercises allowed students to apply these techniques to practical examples, building dashboards and
reports that could be used in real-world scenarios. The seminar also included discussions on best practices for
data analysis and visualization to ensure the accuracy and effectiveness of the outputs.

6. Summary & conclusion

The seminar successfully met its goals by equipping students with advanced data analysis skills using Excel and Power BI. The comprehensive coverage of advanced techniques and hands-on exercises provided participants with practical experience and a deeper understanding of data analysis tools. The seminar emphasized the importance of advanced data skills in making informed business decisions and preparing students for roles in data analysis and business intelligence. Overall, the seminar was a valuable learning experience, enhancing participants' proficiency in Excel and Power BI and preparing them for more complex data analysis tasks.

7. Feedback

Feedback from participants was highly positive. Students appreciated the depth of the content and the practical application of advanced techniques in Excel and Power BI. The interactive sessions and hands-on exercises were particularly well-received, allowing participants to gain practical experience. Many students expressed interest in further workshops on related topics and requested additional resources for continued learning. The seminar was praised for its relevance to current industry practices and its effectiveness in advancing participants' data analysis skills.

8. Photos of activity.









Principal
NESGI, Faculty of Engineering
Gat No.89,70,71,Naigaon, Tal. Bhor, Dist. Pune

Attendance

oll No.	Name of Students	Signature
1	AMATE ADITYA PRASHANT	
2	AMBLE ARTI MININATH	AMA.
3	ANJALI SANTOSH KOLHE	Akolles
4	AVINASH SHRIMANT VHANMANE	Pagonor
5	BADADHE RAJGAURI SUNIL	Committee
6	BHILARE NUTAN SANTOSH	Outan
7	CHANDANE RAJ TANAJI	159
8	CHAVAN DIGVIJAY SATISH	C.D.S.
9	DARULU VINAY KUMAR	
10	DESHMUKH SAUGANDH CHARUDATTA	Dengul
11	DHANAWADE ABHAY RAJENDRA	-Aday
12	DHAYGUDE RUTUJA DHONDIBA	D. Rutiga
13	DHUMAL PRATIK SHIVAJI	Protik
14	DONODE PRACHI GAJANAN	P.Donade
15	GAIKWAD KAJAL RAMDAS	
16	GAIKWAD SHRADDHA SURESH	Shanddhally
17	GANESH BHARAT VHANMANE	Vlamone
18	GAVHANE SHUBHAM RAJENDRA	OP.
19	GHADAGE AMIT DATTATRAY	@miet 2
20	GUND SANJOG SHIVAJI	3 mg co
21	GURAV DIVYA SATISH	Somo
22	HIRE VINAY ASHOK	Hire.V.A
23	INGLE VISHAL NAVANATH	Vishal
24	JAGTAP JANHAVI KRISHNARAO	Total
25	JAMDADE SHRUTIKA CHANDRAKANT	
26	JHODGE SAHIL RAHUL	Sahibe J.R.
27	KHARIWALE SANIKA SURYAKANT	2.1.11.11
28	KULKARNI ROHIT VASANT	Rohitokulkon
29	MENDHE UTKARSH GANESH	UTKansto
30	MISALE SANJANA JAGDISH	N

31	MUNDANKAR SHRUTI RAJESH	MShrut
32	NANGARE HARSHAD DATTATRAYA	N.Horshada
33	NAYAN DILIP BUDGUDE	Numerice
34	PAMANE SHWETA DEVIDAS	
35	PARIHAR SHLOK MANOJSINGH	3hork_
36	PAWAR ADITYA DHANANJAY	Altra
37	PAWAR AMAR BHAU	P.Amar.
38	PAWAR KARTIK SHIVAJI	Kartikama
39	PAWAR SANKET SANTOSH	Sarat
40	PISAL AKSHAY SANJAY	Alshor
41	PISAL SHREYAS VIJAY	Frish.
42	POL TANMAY SURYAKANT	Auros
43	PRATIK SUNIL SHELKE	K a management
44	REDDY LAKHAN NARAYAN	letter
45	SADAFALE KUSHAL JAYANT	Kushal &
46	SAKSHI PANDURANG BURLE	Seldi
47	SAKSHI SUNIL KADAM	Suni)
48	SALUNKHE AAKANKSHA AVINASH	Aftarshaf.
49	SALUNKHE ANISHA SANJAY	Anisha.S.
50	SANIKA MEGHRAJ ERANDE	488
51	SANIKA SANJAY MANDHARE	(Sem)
52	SAURAV RANJEET KUMAR	Savar
53	SAWANT AKASH ANANDARAO	-Mash.
54	SAYLI VITTAL VACHAKAL	Sayali
55	SHINDE PRATHAMESH VYANKAT	950
56	SHINDE PRATHMESH SHIVAJI	Shinde
57	SHINDE ROHAN PRATAP	CB
58	SHIVAM ANAND GAIKWAD	grand 8L.
59	SHRIHARI VIJAY GAIKWAD	Norm
60	SINGH ANKIT RAJESH	(Ahreit
61	SURWASE VAIBHAV DATTATRAY	Weikley
62	TAWARE KETAN RAVINDRA	
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71	YADAV YOGITA ANANT	South
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NOTICE

All students of the Civil Engineering Department are hereby informed that on 21 Dec 2022 - 22 Dec 2022, Civil Engineering Department is organising a Case Study of Sustainable Building Design and Construction.

The case study activity focused on **Sustainable Building Design and Construction**, with an emphasis on real-world examples such as the **Bosco Verticale** in Milan, Italy.









1. Title of Activity: Workshop on Case Study of Sustainable Building Design and Construction

2. Date & venue: 21 Dec 2022 - 22 Dec 2022

3. Number of Students Participated:

4. Outcomes of Activity:

- Gained in-depth knowledge of sustainable building design principles.
- Understood the integration of green technologies and renewable energy in construction.
- Learned about energy efficiency strategies in modern buildings.
- Developed insights into environmental challenges and solutions in urban architecture.
- Enhanced critical thinking and problem-solving skills by analyzing real-world sustainable projects.

5. Description of Activity:

The case study activity focused on Sustainable Building Design and Construction, with an emphasis on real-world examples such as the Bosco Verticale in Milan, Italy. The session covered the following key aspects:

- 1. Overview of Sustainable Construction: Participants learned about the importance of sustainability in modern construction, including the use of renewable energy, water conservation, and energy-efficient materials.
- 2. Case Study of Bosco Verticale: The main focus of the workshop was on the Bosco Verticale, a high-rise building with a green façade that supports 20,000 plants, trees, and shrubs. The case study provided insights into the environmental, structural, and urban benefits of this project.
- 3. Energy Efficiency and Green Technology: Discussions included the integration of solar panels, geothermal systems, and rainwater harvesting in sustainable buildings.
- 4. Interactive Group Analysis: Participants were divided into groups to analyze various aspects of sustainable construction, including energy consumption, environmental impact, and structural engineering challenges.
- 5. Application of Sustainable Design Principles: The session concluded with practical exercises where participants proposed sustainable solutions for different types of construction projects, such as residential buildings, office spaces, and public infrastructure.





6. Summary & Conclusion:

The case study on **Sustainable Building Design and Construction** successfully highlighted the growing importance of eco-friendly architecture in addressing global environmental challenges. Through the in-depth analysis of Bosco Verticale, participants gained valuable insights into the practical application of sustainable building techniques and technologies. By understanding the integration of green spaces, renewable energy, and efficient resource management, students were able to see how modern construction can be both innovative and environmentally responsible. The session also fostered a sense of responsibility in future engineers to contribute to sustainable urban development.

7. Feedback:

Participants provided positive feedback, appreciating the detailed exploration of sustainable design. The interactive nature of the session, coupled with real-world examples, made the case study highly engaging. Many students expressed that they gained practical insights into the implementation of sustainable construction methods and recommended more sessions on advanced topics in sustainable architecture. They highlighted the importance of learning how sustainability can be incorporated into their future projects.











Attendance

Roll No.	Name of Students	Remark Signature
1	CHAVAN SUYOG B.	Chevas
2	KANGADE PRATIK H	Past.
3	KUDALE SURAI SANJAY	fridallo-
4	BANSOD KRUTIKA GOVIND	B. pehile
5	BHORDE SAKSHI BHAUSO	Sah
6	CHOPADE TIMIRESH R.	Timbaham
7	DHONGADE OMKAR S.	omkar
8	GANDHALE VAISHNAVI U.	- Vielman
9	ITHAPE ABHUIT BHAUSO	David
10	KAMBLE POONAM B.	Parang_
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12	NIGADE JAYDEEP S.	Tarder
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20	YENPURE GAYATRI P.	- Yought
21	ZURANGE RITESH R.	Swit







Sr. No. 69,70,71, Naigaon (Nasarapur), Pune-Satara Highway, Pune-412213

NOTICE

All students of the Mechanical Engineering Department are hereby informed that on 6 Jan 2023 – 24 Jan 2023, Mechanical Engineering Department is organising Workshop on Research Methology.

Workshop Overview:

In this interactive workshop, participants will engage in detailed case study analysis to understand complex problems, develop strategic solutions, and gain insights into effective decision-making processes. This hands-on experience will be invaluable for those looking to apply analytical skills in practical settings, whether in business, research, or other fields.

Topic: Workshop on Research Methology.

• **Date:** 6 Jan 2023 – 24 Jan 2023

• Location: Mechanical Engineering Department, NGI

• Name of Coordinator: Prof. C. D. Deshmukh

Agenda:

1. Introduction to Case Study Analysis

Overview of case study methodology and objectives.

2. Presentation of Case Studies

Examination of selected case studies from various sectors.

3. Group Discussion and Analysis

Interactive group work to analyze case studies and develop solutions.

4. Solution Presentation

Teams present their findings and strategies.

5. Expert Feedback and Q&A

Discussion with industry experts on case study solutions and best practices.

Prof. C. D. Deshmukh Workshop Coordinator Prof. S. V. Tawade HOD

Dr. R. J. Patil Principal, NGI







Sr. No. 69,70,71, Naigaon (Nasarapur), Pune-Satara Highway, Pune-412213

ACTIVITY REPORT

1. Title of Activity: Workshop on Research Methodology

2. Date & venue: 6 Jan 2023 – 24 Jan 2023, Mechanical Engineering Department

3. Number of Participitance: 35

4. Name of Coordinator: Prof. C. D. Deshmukh

The Research Methodology Workshop was tailor-made to facilitate the academic requirements of the Post-Graduate student community. The two-days trans-disciplinary workshop was conceptualised with the intention of knowledge-building on the fundamentals of research concepts, methodologies and processes in addition to providing hands-on training in synopsis/thesis writing with inputs on the essentials of academic writing.

The objectives of the workshop were

- ❖ To develop knowledge on the fundamentals of research
- ❖ To build knowledge on research design, application & data analysis
- ❖ To develop skills for synopsis/thesis development & academic writing

The workshop was conducted free of cost to the students. The workshop was organised using available resource persons and infrastructure in the University itself and incurred no expenses from the organisers or the University. The programme was inaugurated by Dr P Sigamani, Associate Professor & Head, Department of Social Work and Dr E M Shankar Associate Professor & Head, Department of Life Sciences. Dr P Ravindran, Professor & Head, Department of Material Science gave a felicitation speech for the programme. The inaugural function was attended by Dr P Udhayakumar, Dr N Sivakami, Mr Chittaranjan Subudhi, Dr M Arivanandan and Dr Rajameenakshi who are Assistant Professors with Department of Social Work. The workshop started with the session on 'Fundamentals of Research' by Dr P Ravindran, Professor & Head, Department of Material Science. The next session 'Research Process' was handled by Dr Nilesh Kate, Associate Professor & Head Department of Marketing The first session in the afternoon, 'Qualitative Methodology: Research Design, Sampling Design & Application' was taken by Dr N Sivakami, Assistant Professor Department of Marketing. This session was followed by 'Data Analysis & Presentation in Qualitative Research' handled by Mr Chittaranjan Subudhi, Assistant Professor Department of Marketing . The last session of the day was 'Essentials of Literature Review' which was taken by Dr E M Shankar, Associate Professor & Head, Department of Marketing On the second day of the workshop, the first session 'Quantitative Methodology: Research Design, Sampling Design & Application' was taken by Dr Krishna Reddy Chittedi, Assistant Professor, Department of Economics. The following session, 'Data Analysis & Presentation in Quantitative Research' was handled by Mr Dr Gopinathan R, Assistant Professor, Department of Economics. A 'Handson training on Synopsis and Thesis' was given by Dr P Udhayakumar, Assistant Professor, Department of Marketing in the forenoon session. The afternoon sessions included 'Essentials of Academic Writing' by Dr EM Shankar, Associate Professor & Head, Department



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of Life Sciences and 'Research Output, Outcome and Peer Review' by Dr Jayalakshmi Krishnan, Assistant Professor & Coordinator, Department of Epidemiology and Public Health.





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Prof. C. D. Deshmukh Workshop Coordinator Sv. awas

Prof. S. V. Tawade HOD moth

Dr. R. J. Patil Principal, NGI



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NESGI, Faculty of Engineering
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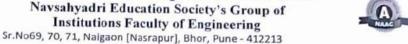
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Navsahyadri Group of Institutions

Navsahyadri Education Society's Group of Institutions Faculty of Engineering

Academic Year 2019-2020



Sr. No. Name of Students Signature Agam Rutuja Jaywant 1 Bhagat Ketaki Jagdish Bhairavkar Akash Ashok 3 Bhoite Manasi Atul 5 Bhosale Madhuri Balkrishna 6 Bhosale Pratiksha Rajkumar D. A. ADMISCUE Bobade Shubham Shivaji Sweet -8 Chaudhari Dhanashri Shivaji Chrudhung 12 9 Chavan Aniruddha Chandrashekhar 10 Chavan Jyotiram Hanumant 11 Chavan Sneha Kishor axishor 12 Chinavale Utkarsha Vijay V. Ven 13 Chitale Sarika Siddharam MAHR D 14 Choure Harshada Vishwas 15 Dalave Shrinath Madhukar 16 Dhumal Payal Shashikant D. V. Sudhir. 17 Dimble Vaibhay Sudhir The short open 18 Dubale Swapnil Arun 20. 37. Gald 19 Ekbote Manasi Manoi Mtre 20 Gaikwad Rukmini Jayhind 21 rusmat mr Gautam Rohit Mohanlal GROWIE 22 Gogawale Pradnya Dilip 23 Gole Pooja Bapu Golepooper Gurav Sanket Sunil 24 Scands 25 Hole Prasad Suhas 26 Ingale Rohan Ulhas faxtay. 27 Jadhav Abhishek Prakash 28 Jadhav Snehal Prabhakar 29 Jagtap Priyanka Ashok Aryunke 30 Jagtap Reshma Vitthal Jangam Anjali Mahesh 31 32 Jangle Devashish Sunil 33 Jedhe Amruta Rajendra 34 Joshi Ankita Sharad OOBDI 35 Kadam Pratiksha Nivrutti





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Navsahyadri Group of Institutions College of Engineering



Department of Electrical Engineering

NOTICE

Workshop on IOT – INTERNET OF THINGSS

All Students of **TE, BE Electrical,** Engineering Department are hereby informed that a workshop on IOT – Internet of Things is arranged on 22 Sept 2021 This workshop aims to provide you with announce an Internet of Things (IoT), designed to provide valuable insights into this rapidly evolving field. The workshop will cover various aspects of IoT, including its applications, technologies, and future trends. Key Details:

- Topics Covered: Introduction to IoT Key IoT Technologies and Protocols Applications of IoT in Different Industries
- Hands-on Session: Building a Simple IoT Device Security Considerations in IoT
- Target Audience: This workshop is ideal for professionals, students, and enthusiasts interested in learning about IoT and its practical applications.

Limited seats are available, so early registration is encouraged.

Workshop Date: 22 September 2021 Workshop Time: 10.30 am - 12.00 pm Workshop Venue: Computer Center NGI



Prof. A. S. Kale Program Coordinator Electrical Engineering Dept.



Prof. S. V. Tayade HOD Electrical Engg. Dept.



Dr. R. J. Patil Principal, NGIFOE



Navsahyadri Group of Institutions College of Engineering

NAAC

Department of Electrical Engineering

ACTIVITY REPORT

IOT – INTERNET OF THINGS

Date : 22 Sept 2021 - 22 Sept 2021

Venue : Electrical Engineering Department, Navsahyadri Group of Institutions

Attendee : Departmental Staff and Students

Details:

On 22 Sept 2021 - 22 Sept 2021 the Electrical Engineering Department of Navsahyadri Group of Institutions organized a Workshop on IOT — Internet of Things. The workshop commenced at 01:00 PM in the Class Room No. 311 of Electrical department.

Guest of today's program was Miss. Bhakti Raut, working as trainer in Cognizant Pvt. Ltd. In this workshop following points are discussed.

1. Introduction

Overview of IoT:

Brief explanation of IoT and its relevance. Objective: Describe the purpose of implementing IoT solutions in the college.

2. Project Highlights Smart Campus Initiatives:

- Smart Classrooms: Integration of IoT devices for interactive learning experiences (e.g., smart boards, automated lighting and climate control).
- Campus Security: Implementation of IoT-based surveillance systems, smart locks, and access control.
- Energy Management: Use of IoT sensors for monitoring and optimizing energy consumption in campus buildings.
- Student Projects and Research: IoT-based
- Environmental Monitoring: Projects focused on using IoT sensors to monitor air quality, temperature, and humidity.
- Wearable Health Devices: Research on wearable IoT devices for health monitoring and student well-being. Administrative and Facilities Management:

- Smart Parking Solutions: IoT-enabled parking management systems to track parking space availability.
- Maintenance Automation: Use of IoT sensors for predictive maintenance of infrastructure and facilities.

3. Achievements and Impact Improved Efficiency:

- Description of how IoT solutions have streamlined administrative processes and reduced operational costs.
- Enhanced Learning Experience: How IoT technologies have contributed to a more interactive and engaging learning environment.
- Increased Safety and Security: Overview of the enhancements in campus security and emergency response.

4. Challenges and Solutions Technical Challenges: I

- Issues encountered with IoT device integration, network connectivity, or data management.
- Solutions Implemented: Strategies and solutions adopted to overcome these challenges.

5. Collaboration and Partnerships Industry Partnerships:

- Collaboration with technology companies, startups, or other institutions to support IoT initiatives.
- Student Involvement: Engagement of students in IoT projects, internships, or research activities.

6. Future Plans Upcoming Projects:

- Overview of planned IoT projects and initiatives.
- Technological Upgrades: Plans for integrating advanced IoT technologies or expanding current implementations.
- Long-term Goals: Vision for the future use of IoT in enhancing the campus experience and academic environment.

7. Photograph of the Event:







Prof. Akshay S. Kale Workshop Coordinator Electrical Engg. Dept.



Prof. S. V. Tayade HOD, Electrical Engg. Dept.



Dr. R. J. Patil Principal, NGIFOE, Pune





NAVSAHYADRI EDUCATION SOCIETY'S, GROUP OF INSTITUTIONS Sr. No. 69, 70, 71, Naigaon, Tal-Bhor, Dist-Pune 412213. DEPARTMENT OF ELECTRICAL ENGINEERING Academic Year : 2022-23

BE Roll Call Lie

Ro	II No.	BE Roll Call List	
100	1	Name of Student	
	2	ANIKET SANJAY PATHE	Sign
-		ASMITA SUDHAKAR FUKAT	Anya
	3	BHASKAR AKSHAY LAXMAN	Filkat
	4	BHASME TEJASWINI CHANDRAKANT	31814
	5	BICHKULE AKSHAY SANJAY	TOUL
	6	DESAI KISHAN SUBHASH	Alabay
	7	DHURDE MAYURI MAHADEO	
8	3	GADDIME AKASH HARIRAM	मध्री. हा
9		GAIRWAD VINOS	Akorla
10	2	GAIKWAD VINOD SANJAY	
11		GHADAGE ARTI YASHWANT	Crait Kapa
12		GHODAKE AMIT BANDU	O ear, care
13		HAJARI AAYESHA MANSOOR ADHAV PRAJKTA ANANDA	
14	J	AGTAP SANJAY SAHEBRAO	Prehlda
15	K	CANDHARE JEEVAN MURLIDHAR	bytap.
17	K	HOPADE RUSHIKESH RAMESH	Hecran
18	1	OLAP SOMNATH SATGONDA	
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20	M	IAYURI MAHESH JADHAV	-Ashirb
21	M	ORE RAHUL PRAKASH	Korde
22	P/	AWAR PRANAV PRADEEP	
23	R(OHIT KUMAR DHENDE	Robit
24	RO	OSHAN JAGDISH SALUNKE	7000
25	SA	AGAR SUKHDEV BHOMBE	Sages
26	SA	KSHI VIJAY KORDE	trateship
28	SA	LUNKHE OMKAR ARUN	(Amkar)
29	SA	WANT SACHIN RAGHUNATH	Grado
30	SH	AIKH AAFIYA DILAWAR	South
32	SH	EMBALE MAHESH LAXMAN	2
		INDE RAHUL VILAS	Shu
33	SHI	RODKAR ASHWINI KANTA	
34		RSAT VIKRAM KAKASO	
35		MBADE SANKET SHAM	Tarabade.
36		DRAT ARATI NILESH	अनिल-
37	VAL	BHAV ANIL NANGUDE	
38	VISI	HAL SHIVAJI BANDAL	
39		HĖKAR RUSHIKESH DATTATRAY	
40		RKHADE YASH DATTATRAY	yask
41		VRE RAJRATNA BHIMRAO	
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Prof. S. D. Babar **B.E Class Teacher**

Prof. S.V. Tayade **Head of Department**



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Navsahyadri Group of Institutions Department of Electrical Engineering Academic Year 2023-2024 TE ATTENDANCE



Roll No.	Name of Students	, Remark Signature
1	CHAVAN SUYOG B.	chenas_
2	KANGADE PRATIK H	Pretit.
3	KUDALE SURAJ SANJAY	perolation
4	BANSOD KRUTIKA GOVIND	B. publy
5	BHORDE SAKSHI BHAUSO	Sabo
6	CHOPADE TIMIRESH R.	- Downshim
7	DHONGADE OMKAR S.	omkar
8	GANDHALE VAISHNAVI U.	Nichma
9	ITHAPE ABHIJIT BHAUSO	Dunt
10	KAMBLE POONAM B.	Risonamy
11	KIRTE SHUBHAM SHAILEJ	Stabura
12	NIGADE JAYDEEP S.	Tardel
13	PATIL ANKITA VISHWAS	Jantota
14	PAWAR PRARABDH P.	panen
15	SALPEKAR NAYAN BABU	Navan
16	SALVE KALPESH SATISH	balary 2
17	SANKPAL MANTHAN S.	Mantheye
18	THAKAR SAKSHI UMESH	Carul
19	WAGHMARE SUMIT T.	Sunsh
20	YENPURE GAYATRI P.	1 Jenpure
21	ZURANGE RITESH R.	Spi

Visit Coordinator Prof. S. E. Sawarkar

Prof. Akshay S. Kale





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Navsahyadri Group of Institutions College of Engineering



NOTICE

Workshop on AWS-Powered Dev Ops: Building and Managing <u>Scalable Applications</u>

All Students of Computer Engineering Department are hereby informed that a workshop on AWS-Powered Dev Ops: Building and Managing Scalable Applications is arranged on 19 Jan 2022. This workshop aims to provide you with announce an AWS-Powered Dev Ops: Building and Managing Scalable Applications, designed to provide valuable insights into this rapidly evolving field. The workshop will cover various aspects of AWS-Powered Dev Ops: Building and Managing Scalable Applications, including its technologies, and future trends. Key Details:

- Topics Covered: Introduction to AWS-Powered Dev Ops and Protocols Applications of AWS-Powered Dev Ops in Different Industries
- Hands-on Session: Building a Simple AWS-Powered Dev Ops Device Security Considerations in AWS-Powered Dev Ops
- Target Audience: This workshop is ideal for professionals, students, and enthusiasts interested in learning about AWS-Powered Dev Ops and its practical applications.

Limited seats are available, so early registration is encouraged.

Workshop Date: 19 Jan 2022

Workshop Time: 10.30 am - 12.00 pm Workshop Venue: Computer Center NGI

Prof. V. B. Bhusare Workshop Coordinator

Prof. A. N. Wagh HOD Dr. R. J. Patil Principal, NGI

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Navsahyadri Group of Institutions College of Engineering



ACTIVITY REPORT

- **1. Title of Activity:** Workshop on AWS-Powered Dev Ops: Building and Managing Scalable Applications
- 2. Date & venue: 19 Jan 2022, Mechanical Engineering Department
- 3. Number of Participitance: 50
- **4. Name of Coordinator:** Prof. V. B. Bhusare
- **5.** The "Workshop on AWS-Powered Dev Ops: Building and Managing Scalable Applications" event aimed to provide participants with a comprehensive overview of the current state and future prospects of AI and ML technologies. The event included expert talks, hands-on sessions, and networking opportunities designed to deepen understanding and spark innovation in these rapidly evolving fields.

<u>S</u>

6. Objectives

- To educate participants about the latest trends and advancements in AI and ML.
- To provide practical experience with AI/ML tools and techniques.
- To foster networking and collaboration among professionals, researchers, and students in the AIML community.

7. Key Highlights

- **Expert Insights:** Highlight notable insights or innovations shared by keynote speakers and panelists.
- Interactive Workshops: Participants gained practical experience by building and testing their own AI models.
- **Networking Opportunities:** The event facilitated valuable connections among AIML professionals and enthusiasts.

8. Description of activity:

- Inauguration of function
- Speech on Cleanliness

9. Conclusion

The "Artificial Intelligence and Machine Learning (AIML)" event successfully achieved its objectives by providing a rich blend of theoretical knowledge and practical experience. Participants left with a deeper understanding of AI and ML technologies and their applications, along with valuable networking opportunities.

10. Photos of the Workshop



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Prof. V. B. Bhusare Workshop Coordinator Wat

Prof. A. N. Wagh HOD mar

Dr. R. J. Patil Principal, NGI





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Navsahyadri Education Society's Group of Institutions Department of Mechanical Engineering

Kol	I.No. Name of Student	Signature
	Atonishek Babasaheb Jadhay	Afrodew ,.
	- Polit Dilip Ariun	Ariun
-	Barwakar Abbijit Prokash	Barwark or.
5	Chavnan Swappil	Sicharhan
6	Chorage Rupesh Dagnals	Churaca
7	Dange Nacem Bachin	A = :
8	Deepak Ghode	N.S. Dange
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Principal NESGI, Faculty of Engineering Gat No.89,70,71,Naigeon, Tal. Bhor, Dist. Pune



Navsahyadri Group of Institutions College of Engineering



Department of Computer Engineering
Academic Year 2021-2022

NOTICE

Workshop on Mastering Python from Frontend to Backend

We are pleased to invite you to our upcoming Workshop on Mastering Python from Frontend to Backend.

- Comprehensive Understanding: Students gained a thorough understanding of full-stack web development using Python, from frontend to backend.
- Practical Skills: Participants developed practical skills in using Python frameworks and libraries for both
- frontend and backend development.
- Enhanced Proficiency: Attendees became proficient in building complete web applications with Python,
- integrating frontend technologies with backend services.
- Career Preparation: The seminar provided insights and skills relevant to careers in web development,
- equipping students for roles in full-stack development.
- Title of Activity: Mastering Python from Frontend to Backend
- Date & venue: 16 February 2022 NESGI Campus.

Prof. V. B. Bhusare Workshop Coordinator

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Dr. R. J. Patil Principal, NGI







Sr. No. 69,70,71, Naigaon (Nasarapur), Pune-Satara Highway, Pune-412213

Department of Computer Engineering

ACTIVITY REPORT

- 1. Title of Activity: Mastering Python from Frontend to Backend
- 2. Date & venue: 16 February 2022 NESGI Campus.
- 3. Number of Students Participated: 67
- 4. Outcomes of activity:
- Comprehensive Understanding: Students gained a thorough understanding of full-stack web development using Python, from frontend to backend.
- **Practical Skills:** Participants developed practical skills in using Python frameworks and libraries for both frontend and backend development.
- Enhanced Proficiency: Attendees became proficient in building complete web applications with Python, integrating frontend technologies with backend services.
- Career Preparation: The seminar provided insights and skills relevant to careers in web development, equipping students for roles in full-stack development.

5. Description of activity:

The Computer Engineering Department of NAVSAHYADRI GROUP OF INSTITUTES, FACULTY OF ENGINEERING organized a Seminar titled "Mastering Python from Frontend to Backend". This seminar was conducted by guest of honor Ms. Priya Nair and. our respected Principal Dr. R. J. Patil was present and actively participated in the activity to motivate students. The seminar was aimed to provide a holistic view of full-stack web development using Python.

The session began with an overview of the full-stack development process, highlighting the importance of both frontend and backend components in creating robust web applications.

Key topics covered included:

Frontend Development: Introduction to frontend technologies, including HTML, CSS, and JavaScript. The seminar explored how to use frameworks like Flask or Django to integrate Python with frontend code and build interactive user interfaces.

Backend Development: Deep dive into backend development with Python, including using Flask or Django for building server-side logic, managing databases, and handling user authentication and authorization.

Integration Techniques: Methods for connecting frontend and backend components, including RESTful APIs and AJAX.

Deployment and Testing: Best practices for deploying web applications and testing both frontend and backend components to ensure reliability and performance.

Participants engaged in hands-on exercises to build a complete web application, applying the concepts and tools discussed. The practical approach allowed students to experience the full development lifecycle, from designing user interfaces to deploying the final application.

6. Summary & conclusion

The seminar successfully achieved its objectives by providing students with a comprehensive understanding of full-stack web development using Python. The combination of theoretical knowledge and hands-on exercises offered participants valuable experience in building and deploying web applications. The seminar emphasized the importance of integrating frontend and backend technologies and provided practical skills applicable to real-world development projects.

7. Feedback

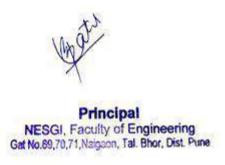
Students appreciated the detailed coverage of both frontend and backend development aspects and the practical exercises that reinforced their learning. Many students found the hands-on approach particularly beneficial, as it provided real-world experience in building complete web applications. Requests for further workshops on advanced topics and additional resources for continued learning were common. The seminar was praised for its relevance to industry practices and its effectiveness in preparing students for careers in full-stack web development.

8. Photos of activity.









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NOTICE

All students of the Mechanical Engineering Department are hereby informed that on 25 March 2022- 26 March, Mechanical Engineering Department is organising Workshop on Case Study.

Workshop Overview:

In this interactive workshop, participants will engage in detailed case study analysis to understand complex problems, develop strategic solutions, and gain insights into effective decision-making processes. This hands-on experience will be invaluable for those looking to apply analytical skills in practical settings, whether in business, research, or other fields.

Key Details:

- Topic: Workshop on Casestudy
- Date: 25 March 2022 26 March 2022
- Location: Mechanical Engineering Department, NGI
- Name of Coordinator: Prof. S. A. Dahake

Agenda:

- 1. Introduction to Case Study Analysis
 - Overview of case study methodology and objectives.
- 2. Presentation of Case Studies
 - Examination of selected case studies from various sectors.
- 3. Group Discussion and Analysis
 - Interactive group work to analyze case studies and develop solutions.
- 4. Solution Presentation
 - Teams present their findings and strategies.
- 5. Expert Feedback and Q&A
 - Discussion with industry experts on case study solutions and best practices.

Prof. C. D. Deshmukh Workshop Coordinator Prof. S. V. Tawade HOD

Dr. R. J. Patil Principal, NGI







Sr. No. 69,70,71, Naigaon (Nasarapur), Pune-Satara Highway, Pune-412213

ACTIVITY REPORT

1. Title of Activity: Workshop on Casestudy

2. Date & venue: 25 March 2022 - 26 March 2022, Mechanical Engineering Department

3. Number of Participitance: 35

4. Name of Coordinator: Prof. S. A. Dahake

5. Key Highlights Engagement:

- Participants actively engaged in group discussions and presentations, demonstrating a deep understanding of the case study.
- Expert Insights: The panel discussion provided valuable insights into industry practices and current trends in civil engineering.
- Practical Application: The workshop emphasized practical solutions and real-world application of theoretical knowledge, enhancing the learning experience.

6. Description of activity:

- Inauguration of function
- Speech on Cleanliness



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7. Photos of the Workshop





Prof. C. D. Deshmukh Workshop Coordinator Prof. S. V. Tawade HOD

Dr. R. J. Patil Principal, NGI



Sr. No. 69,70,71, Naigaon (Nasarapur), Pune-Satara Highway, Pune-412213



Navsahyadri Group of Institutions Navsahyadri Education Society's Group of

Institutions Faculty of Engineering

Sr.No69, 70, 71, Naigaon [Nasrapur], Bhor, Pune - 412213 Academic Year 2019-2020

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NOTICE

All students of the Mechanical Engineering Department are hereby informed that on 29 April 2022 - 29 April 2022 Mechanical Engineering Department is organising Workshop on Innovation Driven Society for sustainable Development.

Workshop Overview:

In this dynamic workshop, participants will delve into the role of innovation in fostering a sustainable society. Through a combination of expert presentations, interactive sessions, and collaborative discussions, you will gain valuable insights into innovative strategies and technologies that contribute to sustainable development.

- Topic: Innovation Driven Society for sustainable Development
- **Date:** 29 April 2022 29 April 2022
- Location: Mechanical Engineering Department, NGI
- Name of Coordinator: Prof. S. A. Dahake

Agenda:

- 1. Welcome and Introduction
 - Overview of the workshop objectives and agenda.
- 2. Keynote Presentation
 - Insights on the role of innovation in achieving sustainable development goals.
- 3. **Speaker:** Prof. Rahul Kumbhar
- 4. Innovative Solutions for Sustainability
 - Case studies and presentations on successful innovation-driven projects and technologies.
- 5. Interactive Workshops
 - Hands-on sessions where participants will brainstorm and develop innovative solutions to real-world sustainability challenges.
- 6. Panel Discussion
 - Expert panel discussion on the future of innovation in sustainable development, followed by a Q&A session.
- 7. Networking and Wrap-Up
 - Opportunity to network with peers, experts, and industry leaders, and wrap-up of key takeaways.

Prof. C. D. Deshmukh Workshop Coordinator Prof. S. V. Tawade HOD

Dr. R. J. Patil Principal, NGI



Sr. No. 69,70,71, Naigaon (Nasarapur), Pune-Satara Highway, Pune-412213

ACTIVITY REPORT

- 1. Title of Activity: Innovation Driven Society for sustainable Development
- 2. Date & venue: 29 April 2022 29 April 2022, Mechanical Engineering Department
- 3. Number of Participitance : 38
- **4. Name of Coordinator:** Prof. S. A. Dahake
- 5. Key Highlights Engagement:
- **Innovative Insights:** The keynote address and technical presentations provided valuable insights into cutting-edge technologies and practices in substation design and management.
- **Engagement:** Interactive workshops fostered collaborative problem-solving and creative thinking among participants.
- **Industry Relevance:** The discussions highlighted practical solutions and strategies for integrating sustainability into substation operations.
- 6. Participant Feedback

Positive Responses:

- o "The workshop provided a comprehensive view of current innovations and future directions in substation development."
- o "The interactive workshops were particularly valuable in applying theoretical knowledge to practical scenarios."

• Areas for Improvement:

- o "More time could be allocated for in-depth discussions during the interactive workshops."
- o "Including case studies from different regions could offer a more diverse perspective on sustainable practices."

7. Description of activity:

- Inauguration of function
- Speech on Cleanliness

8. Conclusion

The workshop successfully addressed the role of innovation in advancing sustainable development within the field of substations. The event provided actionable insights and fostered collaboration



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among industry professionals, academics, and stakeholders. The feedback received will help in refining future events to better meet the needs and interests of participants

9. Photos of the Workshop



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Prof. C. D. Deshmukh Workshop Coordinator

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Prof. S. V. Tawade HOD

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Dr. R. J. Patil Principal, NGI







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Sr. No. 69,70,71, Naigaon (Nasarapur), Pune-Satara Highway, Pune-412213

NOTICE

All students of the Mechanical Engineering Department are hereby informed that on 07 june 2022 - 07 june 2022, Mechanical Engineering Department is organising Workshop on National Intellectual property Awareness Mission

Workshop Overview:

This workshop will focus on **National Intellectual property Awareness Mission**, offering participants a comprehensive look at its new features, enhancements, and practical applications. Whether you're involved in network design, analysis, or troubleshooting, this session will equip you with the skills needed to leverage the advanced capabilities of the latest version.

- Topic: National Intellectual property Awareness Mission
- Date: 07 june 2022 07 june 2022
- Location: Mechanical Engineering Department, NGI
- Name of Coordinator: Prof. C. D. Deshmukh

Agenda:

- 1. **Welcome and Introduction**Overview of the workshop objectives and schedule.
- 2. **Introduction to National Intellectual property Awareness Mission**Detailed presentation on the new features and improvements in Version 2. **Speaker:** Prof. R. S. Meghe

Prof. C. D. Deshmukh Workshop Coordinator Prof. S. V. Tawade HOD

Dr. R. J. Patil Principal, NGI



Sr. No. 69,70,71, Naigaon (Nasarapur), Pune-Satara Highway, Pune-412213

ACTIVITY REPORT

- 1. Title of Activity: National Intellectual property Awareness Mission
- 2. Date & venue: 07 june 2022 07 june 2022, Dr. A. P. J. Abdul Kalam Seminar Hall
- 3. Number of Participitance : 210
- 4. Name of Coordinator: Prof. C. D. Deshmukh
- 5. Key Highlights Engagement:
- **Innovative Insights:** The keynote address and technical presentations provided valuable insights into cutting-edge technologies and practices in substation design and management.
- **Engagement:** Interactive workshops fostered collaborative problem-solving and creative thinking among participants.
- **Industry Relevance:** The discussions highlighted practical solutions and strategies for integrating sustainability into substation operations.
- 6. Participant Feedback

• Positive Responses:

- o "The workshop provided a comprehensive view of current innovations and future directions in substation development."
- o "The interactive workshops were particularly valuable in applying theoretical knowledge to practical scenarios."

• Areas for Improvement:

- o "More time could be allocated for in-depth discussions during the interactive workshops."
- o "Including case studies from different regions could offer a more diverse perspective on sustainable practices."

7. Description of activity:

- Inauguration of function
- Speech on Cleanliness

8. Conclusion



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The workshop successfully addressed the role of innovation in advancing sustainable development within the field of substations. The event provided actionable insights and fostered collaboration among industry professionals, academics, and stakeholders. The feedback received will help in refining future events to better meet the needs and interests of participants.

9. Photos of the Workshop



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Prof. C. D. Deshmukh Workshop Coordinator A.

Prof. S. V. Tawade HOD

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Dr. R. J. Patil Principal, NGI



Principal
NESGI, Faculty of Engineering
Gat No.89,70,71, Naigaon, Tal. Bhor, Dist. Pune



Sr. No. 69,70,71, Naigaon (Nasarapur), Pune-Satara Highway, Pune-412213

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Department of Electrical Engineering

NOTICE

RECENT TRENDS ELECTRICAL HYBRID VEHICLE

All Students of **SE, TE, BE Electrical,** Engineering Department are hereby informed that a workshop on Recent Trends Electrical Hybrid Vehicle

is arranged on 20 August 2020 - 20 August 2020 . This workshop aims to provide you with announce an Recent Trends Electrical Hybrid Vehicle designed to provide valuable insights into this rapidly evolving field. The workshop will cover various aspects of Recent Trends Electrical Hybrid Vehicle, including its applications, technologies, and future trends. Limited seats are available, so early registration is encouraged.

Workshop Date: 20 August 2020 - 20 August 2020

Workshop Time: 10.30 am - 12.00 pm Workshop Venue: Computer Center NGI

Prof. S. P. Kuchekar Workshop Coordinator Electrical Engg. Dept. Prof. S. V. Tayade HOD, Electrical Engg. Dept. Dr. Manojkumar Dalvi Principal, NGIFOE, Pune



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NESGI, Faculty of Engineering
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Department of Electrical Engineering

ACTIVITY REPORT

RECENT TRENDS ELECTRICAL HYBRID VEHICLE

Date : 20 August 2020 - 20 August 2020

Venue : Electrical Engineering Department, Navsahyadri Group of Institutions

Attendee : Departmental Staff and Students

Details:

On 20 August 2020 - 20 August 2020 , the Electrical Engineering Department of Navsahyadri Group of Institutions organized a Workshop on, Recent Trends in Electrical Hybrid vehicle. The workshop commenced at 11:00 AM in the Class Room No. 307 of Electrical department. Guest of today's program was Mr. R. J. Bhattacharya, working as Senior Engineer in ELESOA HEV. In this workshop following points are discussed.

1 Introduction

1.10verview

Electrical Hybrid Vehicles combine traditional internal combustion engines (ICE) with electric propulsion systems. This integration aims to enhance fuel efficiency, reduce emissions, and improve overall vehicle performance.

1.2 Objectives

To study the design and operation of hybrid powertrains. To evaluate performance metrics, including fuel efficiency and emissions. To assess the impact of hybrid technology on vehicle dynamics and user experience.

2. Components of EHV

2.1 Powertrain Internal Combustion Engine (ICE):

Provides power and generates electricity. Electric Motor(s): Provides additional power and facilitates regenerative braking. Battery Pack: Stores electrical energy for propulsion and auxiliary systems. Power Electronics: Manages energy flow between the ICE, electric motor, and battery.

2.2 Control Systems Hybrid Control Unit:

Optimizes power distribution between ICE and electric motor. Battery Management System (BMS): Monitors battery health and state of charge. Energy Management System: Manages energy sources to maximize efficiency.

3. Activities Conducted

3.1 Research and Development Literature Review:

Investigated current hybrid technologies and market trends. Technology Assessment: Evaluated various hybrid configurations (e.g., series, parallel, series-parallel).

3.2 Design and Prototyping Powertrain Design:

Developed design specifications for integrating ICE with electric motors. Battery Integration: Designed battery management strategies and cooling solutions. Control Algorithms: Created algorithms for efficient power distribution and energy management.

3.3 Testing and Validation Performance Testing:

Conducted tests to measure fuel efficiency, electric range, and overall performance. Emissions Testing: Assessed emissions levels to ensure compliance with regulatory standards. Durability Testing: Evaluated the longevity and reliability of hybrid components under various conditions.

3.4 Data Analysis Efficiency Metrics:

Analyzed fuel consumption, electric range, and energy efficiency. User Experience: Collected feedback on vehicle handling, comfort, and driving dynamics.

4. Results

4.1 Performance Metrics Fuel Efficiency:

Achieved a 30% improvement in fuel efficiency compared to conventional vehicles. Electric Range: Demonstrated an electric-only range of 50 miles under optimal conditions. Emissions Reduction: Reduced CO2 emissions by 40% compared to traditional ICE vehicles.

4.2 Issues Encountered Battery Degradation:

Addressed issues related to battery performance and lifespan. Integration Challenges: Overcame difficulties in integrating powertrain components seamlessly.

4.3 Lessons Learned

Importance of optimizing energy management for balancing performance and efficiency. Need for ongoing research into advanced battery technologies and materials.

5. Future Work

5.1 Improvements Advanced Battery Technologies:

Explore next-generation batteries with higher energy densities. Enhanced Control Systems: Develop more sophisticated algorithms for better power management.

5.2 Research Directions Autonomous Driving Integration:

Investigate the integration of hybrid technology with autonomous driving systems. Renewable Energy Synergies: Explore potential for integrating renewable energy sources into hybrid systems.

6. Conclusion

The EHV project has highlighted the potential of hybrid technology to improve fuel efficiency and reduce emissions. Continued advancements in powertrain design, battery technology, and control systems will drive future developments in the field.

7. Photograph of the Event:





S. Kuchokan

Prof. S. P. Kuchekar Workshop Coordinator Electrical Engg. Dept.

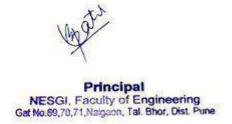


Prof. S. V. Tayade HOD, Electrical Engg. Dept.



Dr. Manojkumar Dalvi Principal, NGIFOE, Pune





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Department of Electrical Engineering
Academic Year 2020-2021

NOTICE

Workshop on BMS – BATTERY MANGEMENT SYSTEM

All Students of **SE, TE, BE Electrical,** Engineering Department are hereby informed that a workshop on Battery Mangement System is arranged on 3rd Sept 2020. This workshop aims to provide you with announce an Battery Mangement System, designed to provide valuable insights into this rapidly evolving field. The workshop will cover various aspects of Battery Mangement System, including its applications, technologies, and future trends. Key Details:

- Topics Covered: Introduction to Battery Mangement System Key Battery Mangement System Technologies and Protocols Applications of Battery Mangement System in Different Industries
- Hands-on Session: Building a Simple Battery Mangement System Device Security Considerations in Battery Mangement System.
- Target Audience: This workshop is ideal for professionals, students, and enthusiasts interested in learning about Battery Mangement System and its practical applications.

Limited seats are available, so early registration is encouraged.

Workshop Date: 3rd September 2020 Workshop Time: 10.30 am - 12.00 pm

Workshop Venue: Dr. A. P. J. Abdul Kalam Seminar Hall



Prof. A. S. Kale Program Coordinator Electrical Engineering Dept.



Prof. S. V. Tayade HOD Electrical Engg. Dept.



Dr. R. J. Patil Principal, NGIFOE









Department of Electrical Engineering Academic Year 2020-2021

ACTIVITY REPORT

BMS - BATTERY MANGEMENT SYSTEM

Date : 3 Sept 2020 - 3 Sept 2020

Venue : Electrical Engineering Department, Navsahyadri Group of Institutions

Attendee : Departmental Staff and Students

Details:

On 3 Sept 2020 - 3 Sept 2020 the Electrical Engineering Department of Navsahyadri Group of Institutions organized a Workshop on BMS — Battery Management System. The workshop commenced at 10:30 AM in the Class Room No. 311 of Electrical department.

Guest of today's program was Dr. A. P. Bhagwat , working as Production Engineer at Microtex India Pvt. Ltd.

In this workshop following points are discussed.

1. Introduction

1.1 Overview

A Battery Management System (BMS) is crucial for monitoring and managing battery performance, ensuring safety, longevity, and efficiency. It plays a pivotal role in various applications, including electric vehicles (EVs), renewable energy storage, and consumer electronics.

1.2 Objectives

To monitor the state of charge (SoC) and state of health (SoH) of batteries. To balance cell voltages and ensure safe operation. To protect batteries from overcharging, deep discharge, and thermal extremes.

2. Components of BMS

2.1 Hardware Components Microcontroller/Processor:

Central unit for data processing and control. Voltage and Current Sensors: Measure individual cell voltages and overall current. Temperature Sensors: Monitor battery temperature to prevent overheating. Balancing Circuitry: Ensures uniform charge distribution across cells. Communication Interfaces: Facilitates data exchange between the BMS and external systems (e.g., CAN bus, UART).

2.2 Software Components Firmware:

Embedded software for real-time data acquisition and processing. Data Logging: Records battery performance data for analysis and diagnostics. Protection Algorithms: Implement safety protocols to prevent malfunction.

3. Activities Conducted

3.1 Research and Development Literature Review:

Analyzed recent advancements in BMS technologies and methodologies. Technology Assessment: Evaluated different BMS architectures and their applicability to specific use cases.

3.2 Design and Prototyping Circuit Design:

Developed schematics for voltage sensing, current measurement, and balancing circuits. PCB Layout: Designed and tested printed circuit boards (PCBs) for the BMS hardware. Firmware Development: Programmed microcontroller firmware for real-time monitoring and control.

3.3 Testing and Validation Bench Testing:

Conducted initial tests on the BMS prototype to verify voltage measurements, current sensing, and balancing functionality. Performance Testing: Assessed the BMS under various operating conditions to ensure stability and accuracy. Safety Testing: Evaluated the BMS's response to overcharge, short circuit, and thermal events.

3.4 Integration System Integration:

Incorporated the BMS into a test battery pack and assessed its performance in a real-world scenario. Communication Testing: Verified the communication protocols and data exchange between the BMS and external devices.

4. Results

4.1 Performance Metrics Accuracy:

Achieved ±0.5% accuracy in voltage and current measurements.

Response Time: Real-time processing with a latency of less than 50 milliseconds.

Balancing Efficiency: Maintained cell voltage within ±10 mV across all cells.

4.2 Issues Encountered

Thermal Management: Addressed overheating issues by improving cooling solutions. Firmware Bugs: Resolved issues related to data logging and protection algorithms.

4.3 Lessons Learned:

Importance of thorough testing under diverse conditions. Need for robust thermal management in high-power applications.

5. Future Work

5.1 Improvements Advanced Balancing Techniques:

Explore more efficient cell balancing methods.

Enhanced Communication Protocols: Develop support for additional communication interfaces and protocols.

5.2 Research Directions Integration with IoT:

Investigate the potential for remote monitoring and control via Internet of Things (IoT) platforms.

Machine Learning: Explore the use of machine learning algorithms for predictive maintenance and performance optimization.

6. Conclusion

The BMS project has demonstrated significant progress in enhancing battery performance and safety. The activities conducted have laid a solid foundation for future advancements and applications. Continued research and development will focus on refining system capabilities and expanding its applicability to emerging technologies.

7. Photograph of the Event:





Prof. A. D. Pachghare Workshop Coordinator Electrical Engg. Dept.



Prof. S. V. Tayade HOD, Electrical Engg. Dept.



Dr. R. J. Patil Principal, NGIFOE, Pune





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NOTICE

All students of the Mechanical Engineering Department are hereby informed that on 25 April 2021 26 April 2021, Civil Engineering Department is organising Workshop on Case Study.

Workshop Overview:

In this interactive workshop, participants will engage in detailed case study analysis to understand complex problems, develop strategic solutions, and gain insights into effective decision-making processes. This hands-on experience will be invaluable for those looking to apply analytical skills in practical settings, whether in business, research, or other fields.

Topic: Workshop on Case Study

• Date: 25 April 2021 - 26 April 2021

Location: Civil Engineering Department, NGI
 Name of Coordinator: Prof. S. S. Agrawal

Agenda:

1. Introduction to Case Study Analysis

Overview of case study methodology and objectives.

2. Presentation of Case Studies

Examination of selected case studies from various sectors.

3. Group Discussion and Analysis

Interactive group work to analyze case studies and develop solutions.

4. Solution Presentation

Teams present their findings and strategies.

5. Expert Feedback and Q&A

Discussion with industry experts on case study solutions and best practices.

Prof. S. S. Agrawal Workshop Coordinator

Prof. Amar Kalyane HOD Dr. R. J. Patil Principal, NGI





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ACTIVITY REPORT

1. Title of Activity: Workshop on Casestudy

2. Date & venue: 25 April - 26 April 2021 , Civil Engineering Department

3. Number of Participitance : 40

4. Name of Coordinator: Prof. S. S. Agrawal

5. Key Highlights Engagement:

- Participants actively engaged in group discussions and presentations, demonstrating a deep understanding of the case study.
- Expert Insights: The panel discussion provided valuable insights into industry practices and current trends in civil engineering.
- Practical Application: The workshop emphasized practical solutions and real-world application of theoretical knowledge, enhancing the learning experience.

6. Description of activity:

- Inauguration of function
- Speech on Cleanliness

7. Photos of the Workshop





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NOTICE

All students of the Mechanical Engineering Department are hereby informed that on 1 November 2019 1 November 2019, Mechanical Engineering Department is organising Workshop on **Network Simulation version 2 Workshop.**

Workshop Overview:

This workshop will focus on Network Simulation Version 2, offering participants a comprehensive look at its new features, enhancements, and practical applications. Whether you're involved in network design, analysis, or troubleshooting, this session will equip you with the skills needed to leverage the advanced capabilities of the latest version.

- Topic: Network Simulation version 2 Workshop
- Date: 1 November 2019- 1 November 2019
- Location: Mechanical Engineering Department, NGI
- Name of Coordinator: Prof. C. D. Deshmukh

Agenda:

1. Welcome and Introduction

Overview of the workshop objectives and schedule.

2. Introduction to Network Simulation Version 2

Detailed presentation on the new features and improvements in Version 2.

Speaker: Prof. R. S. Kalukhe

3. Hands-On Lab 1 – Basic Simulation Setup

Guided exercise on setting up and configuring basic network simulations using Version 2.

Participants will work on configuring various network components and scenarios.

- 4. **Break:**Refreshments and networking opportunity.
- 5. Hands-On Lab 2 Advanced Simulation Techniques

Advanced lab session covering complex network simulations, performance evaluation, and optimization techniques.

Participants will apply new skills to real-world scenarios and challenges.

6. Q&A and Troubleshooting

Open session for participants to ask questions, troubleshoot issues, and discuss best practices with experts.

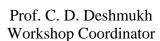
7. Closing Remarks and Feedback

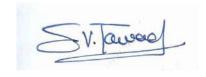
Summary of key takeaways from the workshop.

Collection of participant feedback and discussion of additional resources and support.



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Prof. S. V. Tawade HOD



Dr. R. J. Patil Principal, NGI







Sr. No. 69,70,71, Naigaon (Nasarapur), Pune-Satara Highway, Pune-412213

ACTIVITY REPORT

- 1. Title of Activity: Network Simulation version 2 Workshop
- 2. Date & venue: 1 November 2019- 1 November 2019, Mechanical Engineering Department
- 3. Number of Participitance: 35
- 4. Name of Coordinator: Prof. S. V. Tawade

The Network Simulation Version 2 Workshop was held to provide participants with handson experience in using the latest version of the network simulation software. The goal was to enhance participants' skills in network design, performance evaluation, and troubleshooting.

5. Objectives

- To familiarize participants with the new features and improvements in Network Simulation Version 2.
- To provide practical experience through guided exercises and real-world scenarios.
- To foster networking and collaboration among professionals in the field of network engineering

6. Key Highlights Engagement:

- **Innovative Insights:** The keynote address and technical presentations provided valuable insights into cutting-edge technologies and practices in substation design and management.
- **Engagement:** Interactive workshops fostered collaborative problem-solving and creative thinking among participants.
- **Industry Relevance:** The discussions highlighted practical solutions and strategies for integrating sustainability into substation operations.

7. Participant Feedback

Positive Responses:

- o "The workshop provided a comprehensive view of current innovations and future directions in substation development."
- o "The interactive workshops were particularly valuable in applying theoretical knowledge to practical scenarios."



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• Areas for Improvement:

- o "More time could be allocated for in-depth discussions during the interactive workshops."
- o "Including case studies from different regions could offer a more diverse perspective on sustainable practices."

8. Description of activity:

- Inauguration of function
- Speech on Cleanliness

9. Conclusion

The workshop successfully addressed the role of innovation in advancing sustainable development within the field of substations. The event provided actionable insights and fostered collaboration among industry professionals, academics, and stakeholders. The feedback received will help in refining future events to better meet the needs and interests of participants.

10. Photos of the Workshop







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Navsahyadri Group of Institutions Navsahyadri Education Society's Group of

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Sr.No69, 70, 71, Naigaon [Nasrapur], Bhor, Pune - 412213 Academic Year 2019-2020

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Department of Electrical Engineering

NOTICE

Workshop on Renewable Energy Technologies

All Students of **SE, TE, BE Electrical, Engineering Department** are hereby informed that a workshop on Renewable Energy Technologies is arranged on 8th November 2019. This workshop aims to provide you with announce an Renewable Energy Technologies, designed to provide valuable insights into this rapidly evolving field. The workshop will cover various aspects of Renewable Energy Technologies, including its applications, technologies, and future trends. Key Details:

- Topics Covered: Introduction to Renewable Energy Technologies Key Renewable Energy Technologies Technologies and Protocols Applications of Renewable Energy Technologies in Different Industries
- Hands-on Session: Building a Simple Renewable Energy Technologies Device Security Considerations in Renewable Energy Technologies
- Target Audience: This workshop is ideal for professionals, students, and enthusiasts interested in learning about Renewable Energy Technologies and its practical applications.

Limited seats are available, so early registration is encouraged.

Workshop Date: 8th November 2019

Workshop Time: 10.30 am - 12.00 pm

Workshop Venue: Computer Center NGI



Prof. Akshay S. Kale Workshop Coordinator Electrical Engg. Dept.



Prof. S. V. Tayade HOD, Electrical Engg. Dept.



Dr. R. J. Patil Principal, NGIFOE, Pune



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Department of Electrical Engineering

ACTIVITY REPORT

RENEWABLE ENERGY TECHNOLOGIES

Date: 8 November 2019 - 8 November 2019

Venue : Electrical Engineering Department, Navsahyadri Group of Institutions

Attendee : Departmental Staff and Students

Details:

On September 8 November 2019 - 8 November 2019, the Electrical Engineering Department of Navsahyadri Group of Institutions organized a Workshop on Enewable Energy Technology. The workshop commenced at 10:00 AM in the Class Room No. 309 of Electrical department. Guest of today's program was Mr. Ajinkya Patil, working as Junior Engineer. In this workshop following points are discussed.

1. Introduction

Overview of Renewable Energy: Briefly explain renewable energy and its importance. Objective: Outline the goals for integrating renewable energy technologies in the college.

2. Project Highlights

- Solar Energy Initiatives: Solar Panels: Installation and performance of solar panels on campus buildings.
- Educational Programs: Workshops and courses on solar energy technologies.

Wind Energy Projects:

- **Wind Turbines:** Setup and output of small-scale wind turbines. Research and Development: Student and faculty research on wind energy efficiency.
- **Energy Efficiency and Storage:** Battery Storage Systems: Integration of battery storage for energy management.

• **Energy Conservation Measures:** Implementation of energy-saving practices and technologies.

3. Achievements and Impact Sustainability Goals:

- How the projects contribute to the college's sustainability targets.
- Cost Savings: Reduction in energy costs and overall financial impact. Educational Value: Enhancement of academic programs and student involvement.

4. Challenges and Solutions Technical Issues:

- Challenges with technology installation, maintenance, or performance.
- Solutions: Approaches taken to resolve these issues and improve system effectiveness.

5. Collaboration and Partnerships Industry Partnerships:

- Collaborations with renewable energy companies or research institutions.
- Student Engagement: Opportunities for students to participate in projects or internships.

6. Future Plans Upcoming Projects:

- Planned installations or research in renewable energy technologies.
- Technological Advancements: Exploration of new technologies and upgrades to existing systems. Long-term Vision: Goals for expanding renewable energy use on campus.

7. Conclusion Summary:

- Recap of key achievements and impact of renewable energy projects.
- Acknowledgements: Recognition of contributors and supporters.
- Contact Information: Details for further inquiries or follow-up.

8. Photograph of the Event:





Prof. Akshay S. Kale Workshop Coordinator Electrical Engg. Dept.

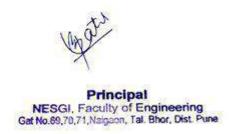


Prof. S. V. Tayade HOD, Electrical Engg. Dept.



Dr. R. J. Patil Principal, NGIFOE, Pune





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Academic Year 2021-2022



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NOTICE

Workshop On Emerging Trands In Electrical Solar System

All Students of Electrical Engineering Department are hereby informed that a workshop Emerging Trands In Electrical Solar System arranged 8 November 2019 - 8 November 2019. Limited seats are available, so early registration is encouraged.

Workshop Date: 8 November 2019 - 8 November 2019

Workshop Time: 10.30 am - 12.00 pm

Workshop Venue: Electrical Engineering Department, Navsahyadri Group of Institutions



Prof. Akshay S. Kale Workshop Coordinator Electrical Engg. Dept.



Prof. S. V. Tayade HOD, Electrical Engg. Dept.



Dr. R. J. Patil Principal, NGIFOE, Pune









ACTIVITY REPORT

EMERGING TRANDS IN ELECTRICAL SOLAR SYSTEM

Date: 8 November 2019 - 8 November 2019

Venue : Electrical Engineering Department, Navsahyadri Group of Institutions

Attendee : Departmental Staff and Students

Details:

On 8 November 2019 - 8 November 2019 the Electrical Engineering Department of Navsahyadri Group of Institutions organized a Workshop on Emerging Trends in Electrical Solar System. The workshop commenced at 10:00 AM in the Class Room No. 309 of Electrical department. Guest of today's program was Mr. Yogesh Patil, working as Testing Engineer at Atos Pvt. Ltd. In this workshop following points are discussed.

1. Introduction

- 1.10verview An Electrical Solar System converts sunlight into electrical energy using photovoltaic (PV) panels. This renewable energy system aims to provide sustainable power, reduce utility costs, and decrease carbon footprints.
- 1.2 Objectives To design and install a solar power system. To evaluate system performance and efficiency. To assess the economic and environmental benefits of solar energy.

2. Components of Solar System

2.1 Photovoltaic Panels Solar Cells:

Convert sunlight into direct current (DC) electricity. Modules: Arrays of cells connected to increase power output.

2.2 Inverter DC to AC Conversion:

Converts DC electricity from the panels to alternating current (AC) for use in the electrical grid or home.

2.3 Battery Storage (Optional) Energy Storage:

Stores excess energy for use when sunlight is not available.

2.4 Charge Controller Regulation:

Manages the charging of batteries (if used) and protects against overcharging.

2.5 Mounting System Installation Framework:

Secures panels to roofs or ground mounts.

3. Activities Conducted

3.1 Design and Planning Site Assessment:

Evaluated the location for optimal solar exposure and system feasibility. System Design: Designed the layout of PV panels, inverter, and storage components. Permit Acquisition: Secured necessary permits and approvals for installation.

3.2 Installation Panel Mounting:

Installed PV panels on designated mounts. Electrical Wiring: Connected panels to the inverter and the building's electrical system. System Integration: Installed and tested the inverter and charge controller.

3.3 Testing and Commissioning Performance Testing:

Verified the system's efficiency and power output. System Calibration: Adjusted settings on the inverter and charge controller for optimal performance. Safety Checks: Ensured all electrical connections and components met safety standards.

3.4 Data Monitoring Energy Production Tracking:

Monitored the amount of electricity generated and consumed. System Maintenance: Conducted routine inspections and maintenance to ensure continued performance.

4. Results

4.1 Performance Metrics Energy Output:

Achieved an average output of 5 kWh per day. Efficiency: The system conversion efficiency was measured at 18%. Cost Savings: Reduced electricity bills by 40% annually.

4.2 Issues Encountered Installation Challenges:

Faced issues with panel alignment and wiring complications. Maintenance Needs: Identified the need for periodic cleaning and inspection of panels.

4.3 Lessons Learned

Importance of accurate site assessment for optimal panel placement. Regular maintenance is crucial for maintaining system efficiency.

5. Future Work

5.1 System Upgrades Advanced Panels:

Explore higher efficiency PV panels for increased output. Smart Inverters: Investigate smart inverters with enhanced monitoring and control features.

5.2 Research Directions Energy Storage Solutions:

Research advanced battery technologies for better storage capacity. Integration with Smart Grids: Study the potential for integrating solar systems with smart grid technologies.

6. Conclusion

The installation and operation of the electrical solar system have demonstrated significant benefits in energy savings and environmental impact reduction. Future enhancements and ongoing research will further improve system efficiency and integration capabilities.

7. Photograph of the Event:





Prof. Akshay S. Kale Workshop Coordinator Electrical Engg. Dept.



Prof. S. V. Tayade HOD, Electrical Engg. Dept.



Dr. R. J. Patil Principal, NGIFOE, Pune





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Prof. S. D. Babar B.E Class Teacher

Prof. S. v. Tayade Head of Department





Principal
NESGI, Faculty of Engineering
Gat No.89,70,71,Naigaon, Tal. Bhor, Dist. Pune



Sr. No. 69,70,71, Naigaon (Nasarapur), Pune-Satara Highway, Pune-412213

NOTICE

All students of the Computer Engineering Department are hereby informed that on 20 Dec 2019 - 20 Dec 2019, Computer Engineering Department is organising **Expert Lecture on Cloud Computing Hands on Training.**

Workshop Overview:

This session will feature a comprehensive lecture from a leading expert in cloud computing, followed by practical hands-on training. You will gain valuable insights into cloud technologies and learn how to effectively implement and manage cloud solutions.

- Topic: Expert Lecture on Cloud Computing Hands on Training
- **Date:** 20 Dec 2019 20 Dec 2019
- Location: Computer Engineering Department, Navsahyadri Group of Institutions
- Name of Coordinator: Prof. V. B. Bhusare

Agenda:

- 1. Welcome and Introduction
 - Overview of the workshop objectives and schedule.
- 2. Expert Lecture Cloud Computing Fundamentals

In-depth presentation on cloud computing concepts, including IaaS, PaaS, SaaS, and key cloud providers.

- 3. Hands-On Training Cloud Platform Setup
 - Guided session where participants will set up accounts and configure cloud environments on a major platform.
 - Participants will work on creating virtual machines, managing storage, and setting up networking.
- 4. **Break:**Refreshments and networking opportunity.
- 5. Hands-On Training Building and Deploying Cloud-Based Applications

Practical exercise in deploying and managing cloud-based applications.

Participants will learn to use cloud services for databases, load balancing, and application monitoring.

Prof. V. B. Bhusare Workshop Coordinator

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ACTIVITY REPORT

1. Title of Activity: Expert Lecture on Cloud Computing Hands on Training

2. Date & venue: 20 Dec 2019 - 20 Dec 2019, Computer Engineering Department

3. Number of Participitance: 35

4. Name of Coordinator: Prof. V. B. Bhusare

The Expert Lecture on Cloud Computing with Hands-On Training aimed to provide participants with an in-depth understanding of cloud computing technologies and practical experience with cloud platforms. The session was designed to bridge theoretical knowledge with real-world application.

5. Objectives

- To introduce participants to key concepts and technologies in cloud computing.
- To provide hands-on experience with popular cloud platforms.
- To enable participants to deploy and manage cloud-based solutions.

6. Key Highlights Engagement:

- **Innovative Insights:** The keynote address and technical presentations provided valuable insights into cutting-edge technologies and practices in substation design and management.
- **Engagement:** Interactive workshops fostered collaborative problem-solving and creative thinking among participants.
- **Industry Relevance:** The discussions highlighted practical solutions and strategies for integrating sustainability into substation operations.

7. Participant Feedback

• Positive Responses:

The workshop provided a comprehensive view of current innovations and future directions in substation development.

The interactive workshops were particularly valuable in applying theoretical knowledge to practical scenarios.



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8. Description of activity:

- Inauguration of function
- Speech on Cleanliness

9. Conclusion

The workshop successfully addressed the role of innovation in advancing sustainable development within the field of substations. The event provided actionable insights and fostered collaboration among industry professionals, academics, and stakeholders. The feedback received will help in refining future events to better meet the needs and interests of participants.

10. Photos of the Workshop



Prof. V. B. Bhusare Workshop Coordinator

HOD



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Navsahyadri Group of Institutions

Navsahyadri Education Society's Group of Institutions Faculty of Engineering Sr.No69, 70, 71, Nalgaon [Nasrapur], Bhor, Pune - 412213



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NOTICE

All students of the Mechanical Engineering Department are hereby informed that on 3 January 2020 - 3 January 2020, Mechanical Engineering Department is organising **Workshop on Advances in Robotics.**

Workshop Overview:

In this interactive workshop, participants will engage in detailed case study analysis to understand complex problems, develop strategic solutions, and gain insights into effective decision-making processes. This hands-on experience will be invaluable for those looking to apply analytical skills in practical settings, whether in business, research, or other fields.

Key Details:

- Topic: Workshop on Advances in Robotics.
- **Date:** 3 January 2020 3 January 2020
- Location: Mechanical Engineering Department, NGI
- Name of Coordinator: Prof. C. D. Deshmukh

Agenda:

1. Introduction to Case Study Analysis

Overview of case study methodology and objectives.

2. Presentation of Case Studies

Examination of selected case studies from various sectors.

3. Group Discussion and Analysis

Interactive group work to analyze case studies and develop solutions.

4. Solution Presentation

Teams present their findings and strategies.

5. Expert Feedback and Q&A

Discussion with industry experts on case study solutions and best practices.

Prof. C. D. Deshmukh Workshop Coordinator Prof. S. V. Tawade HOD



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ACTIVITY REPORT

- 1. Title of Activity: Workshop on Advances in Robotics
- 2. Date & venue: 3 January 2020 3 January 2020, Mechanical Engineering Department
- 3. Number of Participitance: 35
- **4. Name of Coordinator:** Prof. C. D. Deshmukh

The "Artificial Intelligence and Machine Learning (AIML)" event aimed to provide participants with a comprehensive overview of the current state and future prospects of AI and ML technologies. The event included expert talks, hands-on sessions, and networking opportunities designed to deepen understanding and spark innovation in these rapidly evolving fields.

5. Objectives

- To educate participants about the latest trends and advancements in AI and ML.
- To provide practical experience with AI/ML tools and techniques.
- To foster networking and collaboration among professionals, researchers, and students in the AIML community.

6. Key Highlights

- **Expert Insights:** Highlight notable insights or innovations shared by keynote speakers and panelists.
- **Interactive Workshops:** Participants gained practical experience by building and testing their own AI models.
- **Networking Opportunities:** The event facilitated valuable connections among AIML professionals and enthusiasts.

7. Description of activity:

- Inauguration of function
- Speech on Cleanliness



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8. Conclusion

The "Artificial Intelligence and Machine Learning (AIML)" event successfully achieved its objectives by providing a rich blend of theoretical knowledge and practical experience. Participants left with a deeper understanding of AI and ML technologies and their applications, along with valuable networking opportunities.

9. Photos of the Workshop





Prof. C. D. Deshmukh Workshop Coordinator



Prof. S. V. Tawade HOD



Dr. R. J. Patil Principal, NGI







Sr. No. 69,70,71, Naigaon (Nasarapur), Pune-Satara Highway, Pune-412213

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NOTICE

All students of the Computer Engineering Department are hereby informed that on 10 January 2020 - 10 January 2020, Computer Engineering Department is organising Expert Lecture on **Artificial Intellegance and Machine Leraning (AIML)**

Workshop Overview:

This session will feature a comprehensive lecture from a leading expert in cloud computing, followed by practical hands-on training. You will gain valuable insights into cloud technologies and learn how to effectively implement and manage cloud solutions.

- Topic: Expert Lecture on Artificial Intellegance and Machine Leraning (AIML)
- **Date:** 10 January 2020 10 January 2020
- Location: Computer Engineering Department, Navsahyadri Group of Institutions
- Name of Coordinator: Prof. V. B. Bhusare

Agenda:

- 1. Welcome and Introduction
 - Overview of the workshop objectives and schedule.
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In-depth presentation on cloud computing concepts, including IaaS, PaaS, SaaS, and key cloud providers.

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 - Guided session where participants will set up accounts and configure cloud environments on a major platform.
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- 4. **Break:**Refreshments and networking opportunity.
- 5. Hands-On Training Building and Deploying Cloud-Based Applications

Practical exercise in deploying and managing cloud-based applications.

Participants will learn to use cloud services for databases, load balancing, and application monitoring.

6. Q&A and Troubleshooting

Open session for participants to ask questions, address issues, and discuss best practices with the expert.

7. Closing Remarks and Feedback

Summary of key learnings and collection of participant feedback.

Information on additional resources and future event.

Prof. V. B. Bhusare Workshop Coordinator Prof. A. N. Wagh HOD



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ACTIVITY REPORT

- 1. Title of Activity: Expert Lecture on Artificial Intellegance and Machine Leraning (AIML)
- 2. Date & venue: 10 January 2020 10 January 2020, Computer Engineering Department
- 3. Number of Participitance : 25
- **4. Name of Coordinator:** Prof. V. B. Bhusare

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7. Description of activity:

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The workshop successfully addressed the role of innovation in advancing sustainable development within the field of substations. The event provided actionable insights and fostered collaboration among industry professionals, academics, and stakeholders. The feedback received will help in refining future events to better meet the needs and interests of participants.



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9. Photos of the Workshop



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Prof. V. B. Bhusare Workshop Coordinator Wat

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Dr. R. J. Patil Principal, NGI



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Navsahyadri Education Society's Group of Institutions Department of Mechanical Engineering

Roll.N	o. Name of Student	0:
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