



**VASANTDADA PATIL PRATISHTHAN'S COLLEGE OF
ENGINEERING AND VISUAL ARTS**

Department of Information Technology

Details of Innovative Teaching Approaches in Teaching Learning Process

Sr. No.	Name of Faculty	Subject	Name of Innovative Method	Contents Link	Method Adopted (Virtual Lab/Case Study/PowerPoint Presentation/Quiz etc)
1	Dr. Seema Ladhe	Computer Network & Network Design	Creation of Virtual Network Lab using Cisco Packet Tracer	https://drive.google.com/file/d/13vV8_ZOR6FbsrtwYFM8yD7_NE375Kc3n/view?usp=sharing	Virtual Lab
2	Dr. Seema Ladhe	Computer Network Security	Study of research paper related to computer network security and make presentation of the same.	https://docs.google.com/document/d/1466iIUN_r-86Rd5bLfdKoVR8JNx1G1P1/edit?usp=sharing&oid=114925208776729070110&rtpof=true&sd=true	Study of research paper
3	Dr. Gayatri Bacchav	Information Retrieval System	Presentation to motivate students to learn NATURAL LANGUAGE PROCESSING -- Introduction To NLP and GENERIC NLP SYSTEM.	https://docs.google.com/presentation/d/1bYMtMnLMxemOQwMQCWWpaz3BBv3UpLYU/edit?usp=sharing&oid=114925208776729070110&rtpof=true&sd=true	Presentation
4	Dr. Gayatri Bacchav	Ethical Hacking and Forensics	Experiment to motivate students to learn Version Control Management - Topic: Version Control Management in Linux	https://drive.google.com/file/d/1j_nxtq3sZDM2rYYueGsQNAhlp3GIZ_x4/view?usp=sharing	Lab-Experiment
5	Dr. Neeraj Sharma	Project Management	Study of research paper related to Reason of Conflict & Resolving way in Organization.	https://docs.google.com/presentation/d/1fSVXBwC4gR9fMARmTOhSAwQTVjg6iyKS/edit?usp=sharing&oid=117456243085779088253&rtpof=true&sd=true	Study of a research paper



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6	Mr. Sachin Barahate	Advance Data Management Technologies	BigTable- A Distributed Storage System for Structured Data	https://docs.google.com/document/d/1gnZLqO9WKTdQ9DG0o9uSRsqtWvAhDTU6Vzd1EG894Ig/edit?usp=drive_link	Presentation on advance topic
7	Mr. Sachin Barahate	Big Data Analytics	Live demo of Sqoop tool to transfer data between Hadoop and relational database servers	https://docs.google.com/document/d/1zOkL8zXMaVMY4S5EpDK4KvAjMnwGuOrIfAMsrMwKv8E/edit?usp=sharing	Lab Demonstration
8	Ms. Medha Kulkarni	Internet Programming	Spoken Tutorial Course on PHP&MySQL	https://docs.google.com/document/d/1fAUeHelGh6all96EzmgzrRgOkZUXuWR/edit?usp=sharing&oid=114925208776729070110&rtpof=true&sd=true	Quiz
9	Ms. Medha Kulkarni	Web X.0	Spoken Tutorial Course on Drupal	https://docs.google.com/document/d/1c_jzN1kQT5GMUAGrNnQcLMZ9E-kjdjm-/edit?usp=sharing&oid=114925208776729070110&rtpof=true&sd=true	Quiz
10	Ms. Darshana Gajbhiye	Advance Data Management Technologies	BigTable- A Distributed Storage System for Structured Data	https://docs.google.com/presentation/d/1RQaOgqcDH2wrcSX7Pm37BksU3Sm_0No-/edit?usp=sharing&oid=118254119467964198307&rtpof=true&sd=true	Presentation on advance topic
11	Ms. Darshana Gajbhiye	Data Mining & Business Intelligence	Real time problem solving on designing of star schema	https://docs.google.com/document/d/130YqxsnaH2A2KtgjcZbXAVmD8LfO6duR/edit?usp=sharing&oid=118254119467964198307&rtpof=true&sd=true	Real time problem solving
12	Ms. Vijaya Sagvekar	Database Management	ER Modelling	https://drive.google.com/file/d/1s_AKHGwW	Virtual Lab



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		System		XCOeDYZ6Y1Wcs7ATnY14Lu99/view?usp=sharing	
13	Ms. Vijaya Sagvekar	Project Management	Graphical Evaluation and Review Technique (GERT)	https://drive.google.com/file/d/1W9j1hWR3d0blmtUYiVm-BUxqIrHvP-U/view?usp=sharing	Virtual Lab
14	Mr. Vinod Sapkal	User Interface Design	Magnetoelastic Sensor Array	https://drive.google.com/file/d/1gh4lyKXkqF5akUtO4yNXSh6joxltYp2P/view?usp=sharing	Case Study
15	Mr. Pravin Patil	Operating System	Session on Multiprocessor System	https://drive.google.com/file/d/1_o6AdbGosAvRymUHIFuFN76XsDkroo-F/view?usp=sharing	Case Study
16	Mr. Pravin Patil	Advanced Data structure and Analysis	Advanced Self Balancing Tree: Splay Tree.	https://drive.google.com/file/d/11NRiqUo8uSKEhgsGJ8V11HYg5T9pyVke/view?usp=drive_link	Case Study
17	Dr. Pravin Shinde	Computer Network & Network Design	Creation of Virtual Network using XMING Server	https://drive.google.com/file/d/150blOtbaONExpFmM_h-W3zKdLjNrv2jD/view?usp=drive_link	Case Study
18	Dr. Pravin Shinde	Paradigms and Computer Programming Fundamentals	Apply Scripting using XAMPP	https://drive.google.com/file/d/1O3hZwW1P6BVU3j2Mbplabj7yh9fHXNTj/view?usp=drive_link	Case Study
19	Ms. Ashwini Phalke	Wireless Technology	How To Adapt With the Future of Innovation in Wireless automation and industrial efficiency?	https://docs.google.com/presentation/d/1zTV4qNVXQiiwCMNq0funiHpz69hn18U6/edit?usp=sharing&oid=102695414351830650802&rtfpof=true&sd=true	Presentation
20	Ms. Ashwini Phalke	Software Engineering	A Case Study of Black-Box Testing for Embedded Software using Test	https://docs.google.com/document/d/1RIABLx4-DgvY4edY-	Case Study



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			Automation Tool.	ROFWBHmrnzgDUBA/edit?usp=sharing&ouid=102695414351830650802&rtpof=true&sd=true	
21	Ms Vedika Avhad	Software Testing and QA	CASE-STUDY: GAS AGENCY OPERATIONS	https://docs.google.com/document/d/1-gfS02YfFC-6AQavPOUzDwp10yDzxvOV/edit?usp=sharing&ouid=107311493792239795026&rtpof=true&sd=true	Case Study
22	Ms Vedika Avhad	Blockchain and DLT	Blockchain Digital Transformation/Mini Projects done by students	https://docs.google.com/presentation/d/1NfS2rKqLWcTPILU9WeZs1QckMifV0qDT/edit?usp=sharing&ouid=107311493792239795026&rtpof=true&sd=true	Presentation
23	Ms Archana Salaskar	Data Structure and Analysis	Data Structures and Algorithms in Real Life	https://drive.google.com/file/d/1foAjdEkcJTUgcyQd79caZ7ZVEqK0baG4/view?usp=drive_link	Presentation
24	Ms Archana Salaskar	AI and DS – 1	Most Recent popular machine learning Algorithms.	https://drive.google.com/file/d/1n2xy14inlpDuXmjyUSc3fXG9cfbsT8ye/view?usp=drive_link	Presentation
25	Ms. Nita Ingale	Principle of Communication	Introducing Virtual lab with latest technology to understand complex theoretical concepts.	https://docs.google.com/document/d/1hXBDFfXX_iWeqju-NEiBis2mye4kLqUG/edit?usp=sharing&ouid=11492520877672907010&rtpof=true&sd=true	Presentation
26	Ms. Nita Ingale	Microprocessor Lab	Discuss Different Simulation Tools for digital circuits design and microprocessor LAB Microprocessor link: http://www.edsim51.com/	https://docs.google.com/document/d/1hXBDFfXX_iWeqju-NEiBis2mye4kLqUG/edit?usp=sharing&ouid=1149252087767290701	PRESENTATION



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27	Ms. Nita Ingale	Computer Organization and Architecture	Advance Microprocessor as ARM Architecture	https://docs.google.com/document/d/1hXBDTfXX_iWeqju-NEiBis2mye4kLqUG/edit?usp=sharing&oid=11492520877672907010&rtpof=true&sd=true	Discussion
28	Ms. Sonli Pakhmode	Microprocessor Lab	Discuss Different Simulation Tools for digital circuits design and microprocessor LAB Microprocessor link: http://www.edsim51.com/	https://drive.google.com/file/d/1SzwEFMjqGralh2mOLJGvo2qsJHAK6T7-/view?usp=sharing	Presentation
29	Ms. Sonali Pakhmode	Computer Organization and Architecture	ADVANCE MICROCONTROLLER	https://drive.google.com/file/d/1tmtJsIgrMAFt9paF6rTH-3PBsmwCiPEr/view?usp=sharing	Discussion
30	Ms. Sonali Pakhmode	Internet of Everything	Introduction to Raspberry Pi	https://docs.google.com/presentation/d/16STfWCnItfxU7wd8Drybqdg-kOxj15tq/edit?usp=sharing&oid=114925208776729070110&rtpof=true&sd=true	Presentation
31	Mr. Nilesh Mali	Automata Theory	Demo on open-source simulation tool Java Formal Languages and Automata Package (JFLAP)	https://drive.google.com/file/d/1p5z3wDBzOfRUj1b64-sGohtuzaRMor9b/view?usp=sharing	Demonstration
32	Mr. Nilesh Mali	Internet Programming	Session on What is Belle in React?	https://drive.google.com/file/d/199qZcFfbAZufRzBI7T6WvbeIBjM6M6CU/view?usp=sharing	Presentation
33	Mrs. Manisha Patil	AI and DS –II	Group activity to solve problems using Mamdani architecture	https://drive.google.com/drive/u/2/folders/1Q7sgTFzl-XSvb52M2GgrQdPxL	Group Activity



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34	Ms. Priyanka Manke	Computer Network Security	Study of research paper related to computer network security and make presentation of the same.	https://docs.google.com/document/d/1AnyFnRuvKxWrUTFwkVyQIFlOJ68DmxoM/edit?usp=sharing&oid=107544062789485549779&rtpof=true&sd=true	Study of research paper
35	Ms. Priyanka Manke	Operating System	Session on Multi processor system	https://docs.google.com/document/d/1momuXiggqf8ii-O5r7ekXH1GGiB82RW4pUN5XzHAIQI/edit?usp=sharing	Case Study