



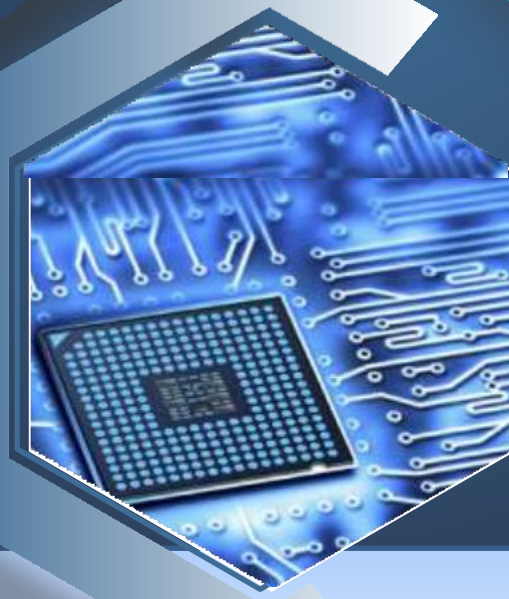
Guru Gobind Singh Foundation's

GURU GOBIND SINGH COLLEGE OF ENGINEERING & RESEARCH CENTRE, NASHIK

Department of Computer Engineering

NEWSLETTER

2021-22 Vol. 01



HIGHLIGHTS

- HOD's Desk.
- Vision Mission
- PEOs.
- Programme Outcomes (PO's).
- PSOs
- Expert Lectures/Workshops Organized
- Achievements
- Faculty Trainings & Workshops
- Seminar/Workshop/FDP/Conference Attended by Faculty
- Training Activities for Students
- Events under COSA
- Industrial Visits
- Student's Academic Performance
- Extra curricular Activities



HOD's DESK

Welcome to Computer Engineering Department!!!
 The field of computer engineering has grown and developed significantly, providing a wide array of technological advancements that many people use every day.

The modern era has witnessed a rapid development in computer technology, both in hardware and software. Each year a host of new advancements is unveiled, from home robotics to advanced operating systems, microprocessors, and supercomputers with massive computational capabilities.

With keen knowledge of hardware, Computer engineer perform research, design, develop and test computer systems and components such as processors, circuit boards, memory devices, networks and router. as well as in the field of software, one can design, develop and test various application software, utility programs and system software.

We have well equipped Laboratories with latest and advanced technology computers and other types of hardware as well as software. The department is also fulfilled with highly experienced and dedicated faculty members.

Thank you

OUR MILESTONES

VISION

To be a centre of excellence in computer engineering for developing software professionals, researchers and entrepreneurs benefitting industry and society.

MISSION

- ❑ To create state of the art infrastructure and environment to develop software professionals, researchers and entrepreneurs.
- ❑ To enhance collaboration with industries and significant stakeholders for sharing experience and resources.
- ❑ To foster use of information and communication technology in academics, research and management for the benefit of society.

PEOs of the Department

- ❑ **PEO-1(Core):**To empower the knowledge in the field of computer engineering and usage of modern tools effectively to solve real life problems.
- ❑ **PEO-2 (Skill):** The graduate will have industry based technical skills and will accord to the profession and employability.
- ❑ **PEO-3(Professionalism):** The graduate will bring the highest quality and integrity into the education system with research attitude and life-long learning.

PO's

Engineering Graduates will be able to:

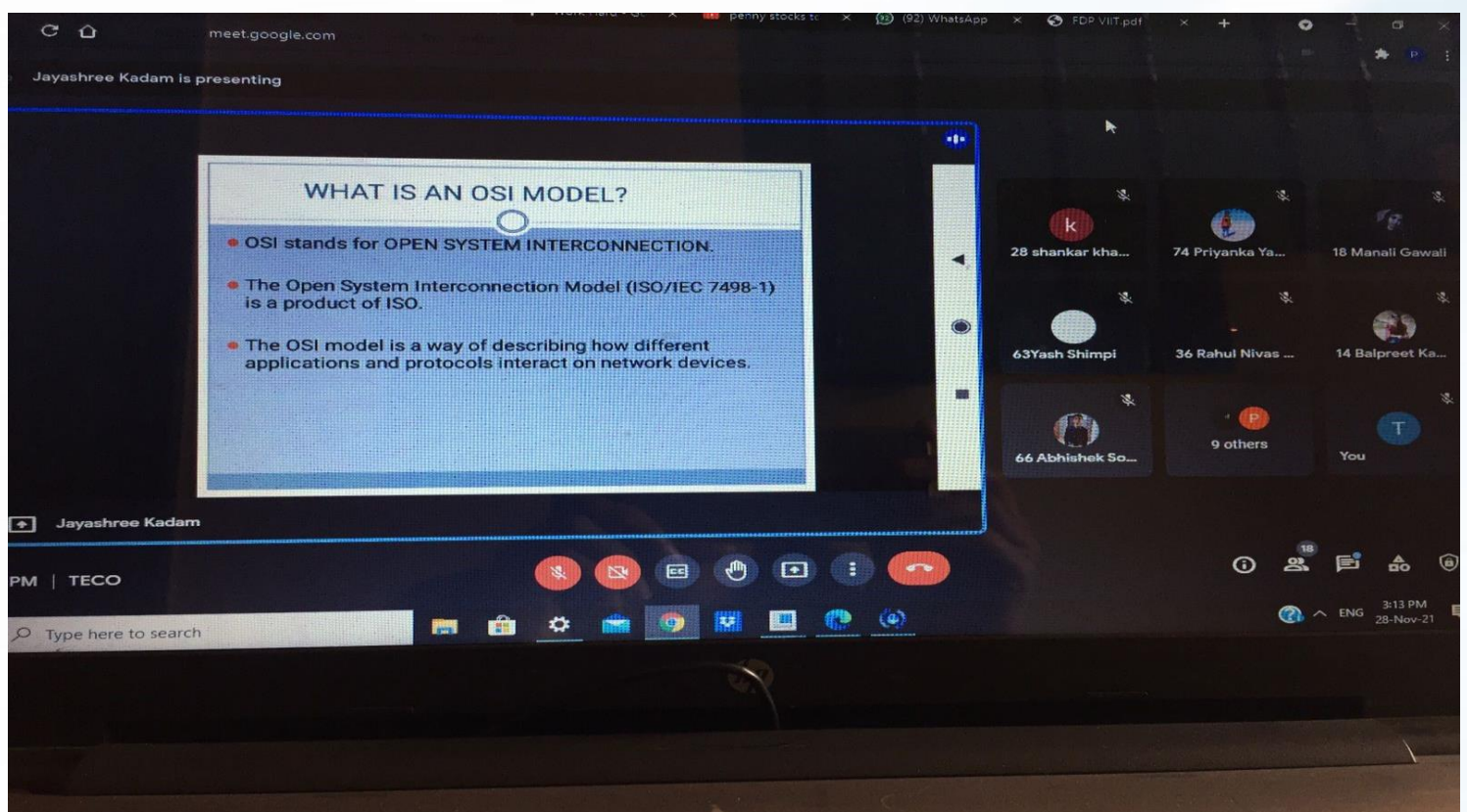
- PO1:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- PO2:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- PO3:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- PO4:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- PO5:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.
- PO6:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- PO7:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- PO8:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- PO9:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- PO10:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- PO11:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- PO12:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PSO's of the Department

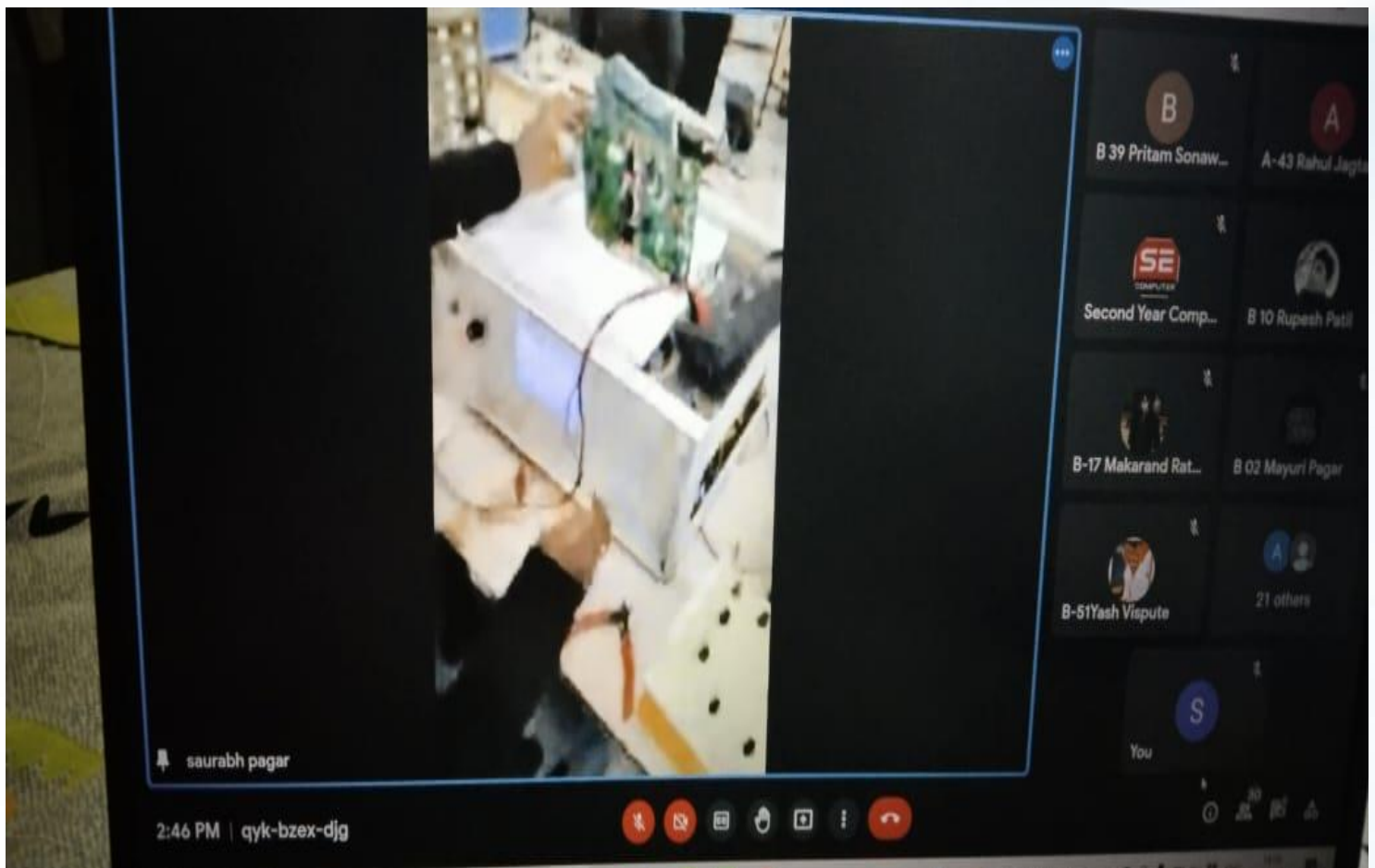
- ❑ Professional Skills-The ability to understand, analyze and develop computer programs in the areas related to algorithms, system software, multimedia, web design, big data analytics, and networking for efficient design of computer-based systems of varying complexities.
- ❑ Problem-Solving Skills- The ability to apply standard practices and strategies in software project development using open-ended programming environments to deliver a quality product for business success.
- ❑ Successful Career and Entrepreneurship- The ability to employ modern computer languages, environments and platforms in creating innovative career paths to be an entrepreneur and to have a zest for higher studies.

EXPERT LECTURES/ WORKSHOPS ORGANIZED

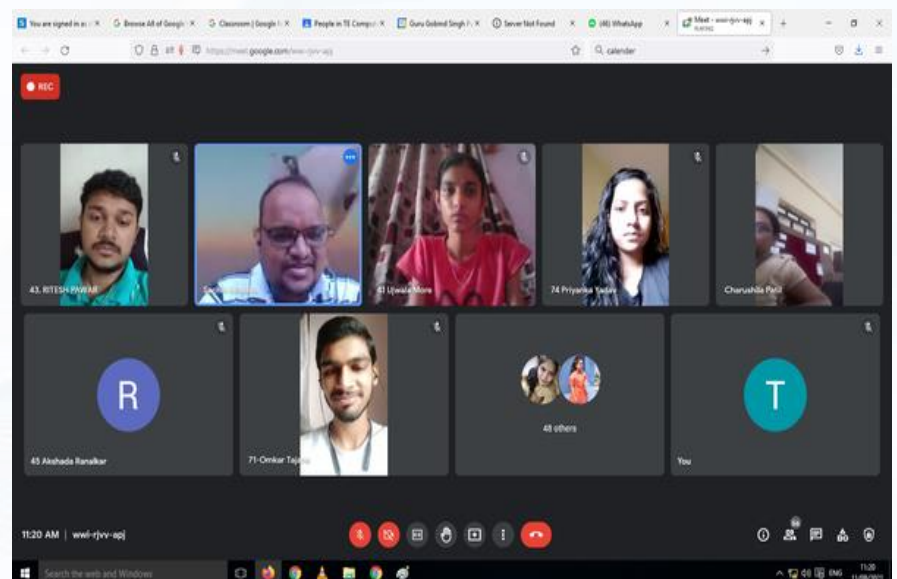
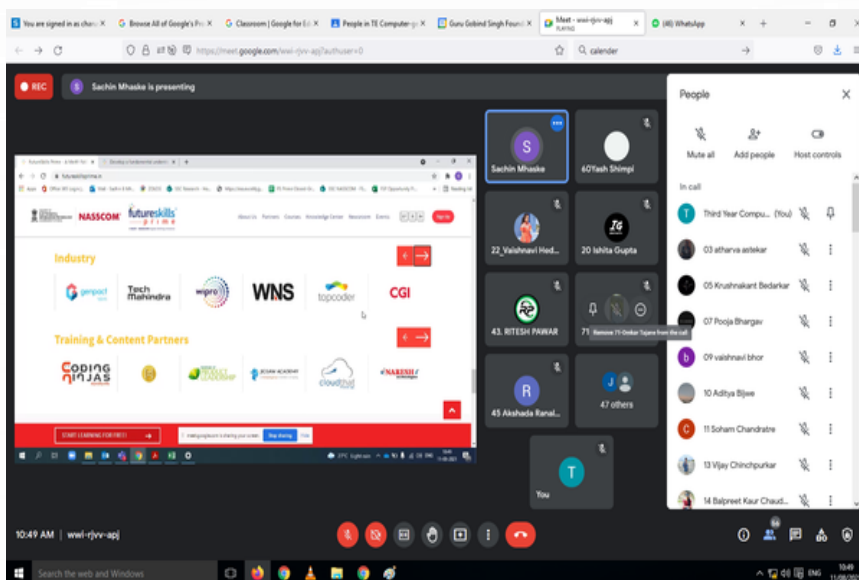
Expert lecture on “Transport Layer Functionalities” was arranged on 28th Nov. 2021. Expert for talk was Ms. Jayashree Kadam(Jr. Engineer, BSNL, Nashik.). This expert talk aims to make students aware of Computer networks in the field of computer Engineering. The detailed information about OSI reference model, functioning of all seven layers and especially working of transport layer is discussed in the expert talk.



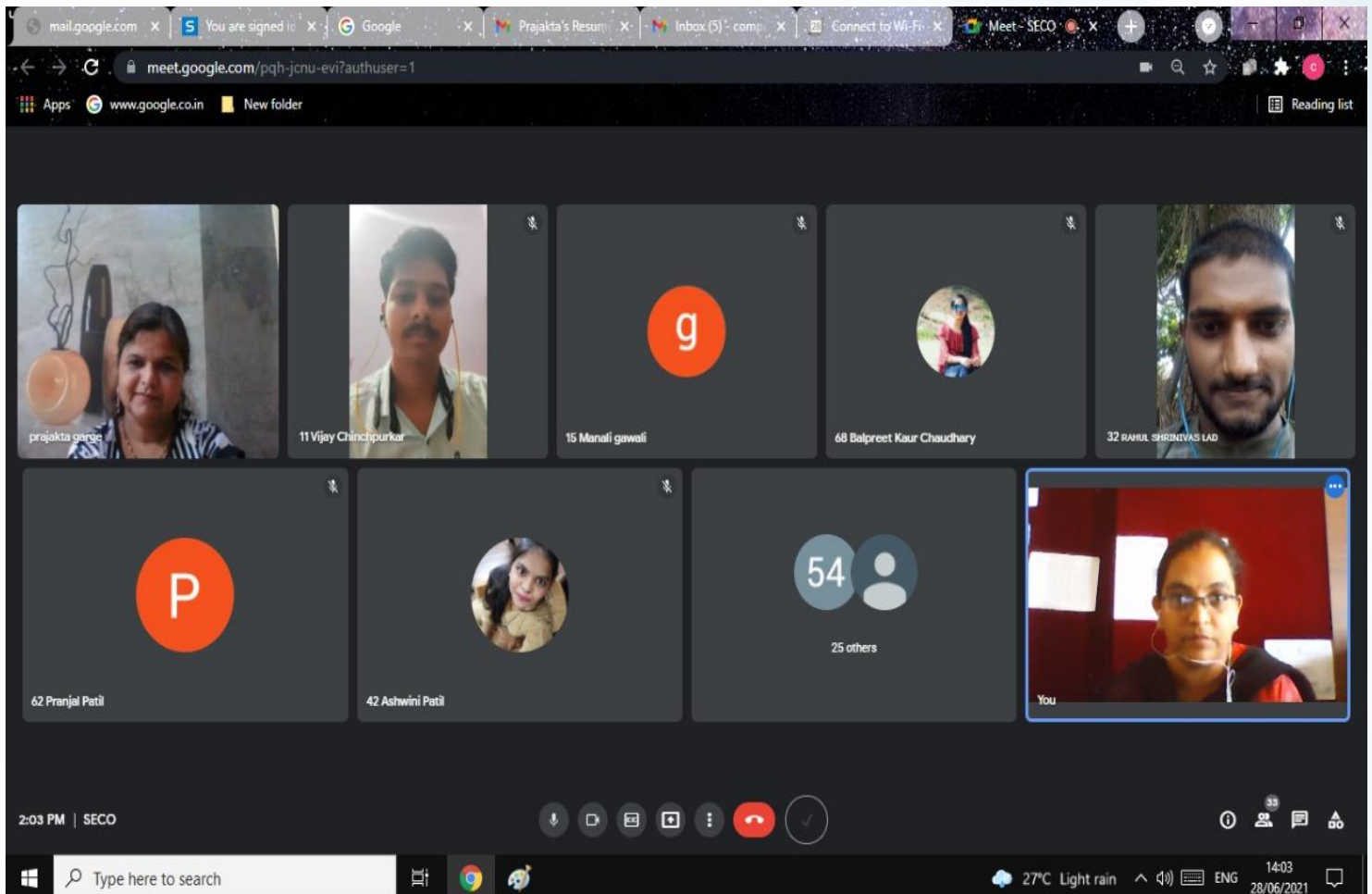
Expert talk on “Introduction to Digital Electronics” was conducted by Mr. Saurabh Pagar (Senior Engineer, Sivananda Electronics, Nashik) on 21st Nov. 2021. This expert talk aims to make students aware of the interrelation of digital electronics with the field of computer Engineering as Digital electronics deals with the electronic manipulation of numbers, or with the manipulation of varying quantities by means of numbers.



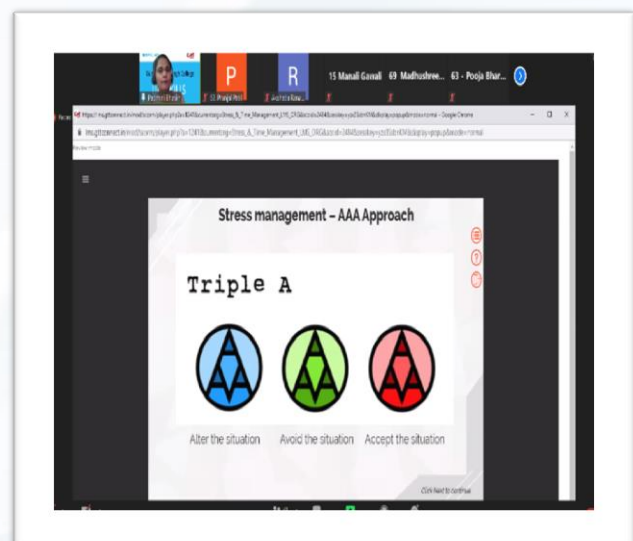
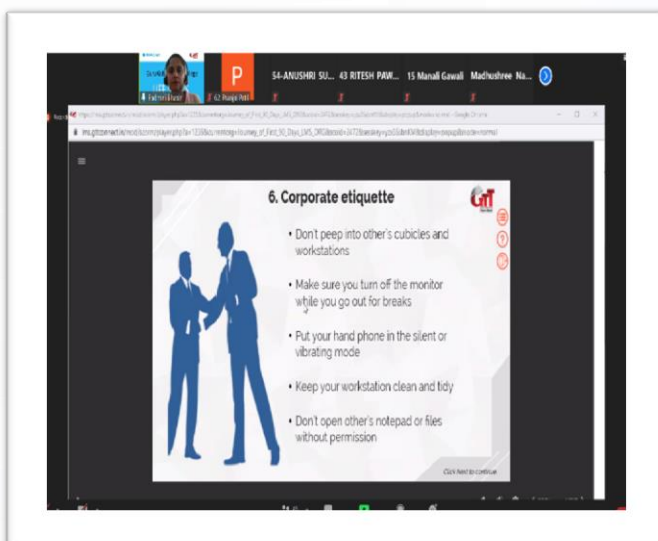
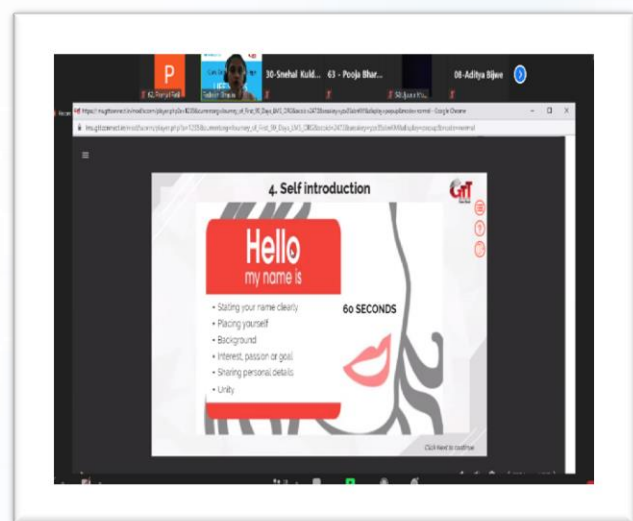
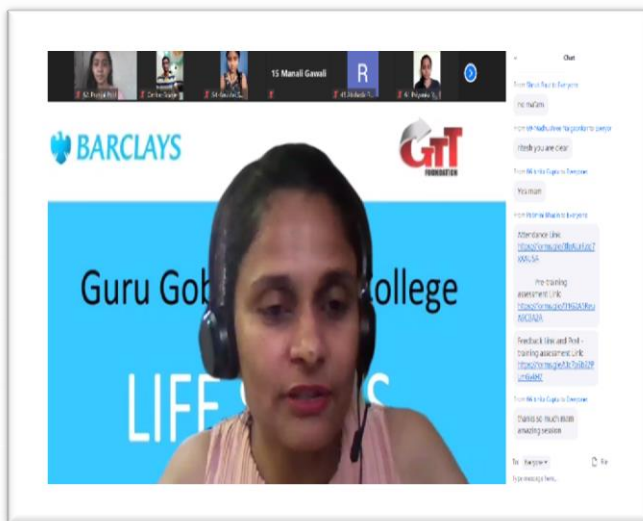
Future Skills Prime is a joint initiative by the Ministry of Electronics & Information Technology (MeitY) and the IT Industry led by NASSCOM. Expert Talk on “**Opportunities of training through NASSCOM**” was conducted by Mr. Sachin Mhaske (Regional Lead West at NASSCOM) on 11th Aug. 2021. This talk was an introductory session on how to access portal of NASSCOM Future skills, register as well as successfully complete various technology Courses.



Software testing is the process of evaluating and verifying that a software product or application does what it is supposed to do. Expert talk on **“Impact of Software Testing in Real Life”** was conducted by Mrs. Prajakta Garge (Senior Consultant at Infracsoft Technologies) on 28th June 2021. This talk covers the benefits of testing, preventing bugs, prerequisite required to become tester, the salary, nature of job profile, working culture in IT sectors.



Workshop on “**Barclay-GTT life skill program**” was conducted for third year computer engineering students by Ms. Padmini Bhasin (Barclay-GTT Trainer) from 14th -17th July 2021. Life Skills created with Barclays aims to help all people in the UK to build the key skills, knowledge and confidence to get into, progress in and succeed in work and stay in control of their money.



ACHIEVEMENTS

Sr. No	Name of Student	Internship
1	Mr.Abhishek Sonar	Web Development Intern(virtual) at Samagra Foudation Nashik
2	Ms. Pranjal Patil	Content Development Intern(virtual) at Infelern,Bangalore
3	Ms. Sakshi Parkhe	Machine Learning and Artificial Intelligence Intern(virtual) at Cognifront,Nashik

ACHIEVEMENTS



On the occasion of Teacher's Day 2021, Mrs. Charushila D. Patil recognized "Years of Service" as an honor of 15 years of service in Guru Gobind Singh Foundation, Nashik.

On the occasion of Teacher's Day 2021, Mrs. Pradnya K. Bachhav received "Best Teacher Award" by Guru Gobind Singh Foundation, Nashik.



ACHIEVEMENTS

Mrs. Pradnya K. Bachhav received certificate as an active instructor in the Cisco Networking Academy program . The program was conducted by Cisco Networking Academy on 18 Dec 2021. She also got the Lifetime CISCO Webex license for 1000 participants.

FACULTY TRAININGS & WORKSHOPS

Workshop on IoT was conducted by Prof. R. S. Tiwari(Director, Cognifront Technology). This program aims at providing an opportunity for participants to enrich their knowledge and skill in developing various solutions for solving engineering problems in the society. This program serves as a platform for research scholars, faculty, engineers and students to interact on cutting edge technologies in IoT.



FACULTY TRAININGS & WORKSHOPS

Blog is a regularly updated website or webpage. It presents a record of activities, thoughts as well as it also provides forum to allow visitors to leave the comments and interact with publisher. WordPress is a powerful blog creation tool which is very flexible, easy to use for developing different types of websites. Expert session was conducted on “Blog Creation using WordPress for maintaining Portfolio” by Mr. Vipin K. Wani on 25th Sep. 2021.



SEMINAR/WORKSHOP/FDP/ CONFERENCE ATTENDED BY FACULTY

Sr.No.	Name of Attendee	Date	Name of Program
1	Mr .S.G. Shukla	12 th - 17 July 2021	One-week online ATAL FDP on "Internet of Things (IOT) with Artificial Intelligence (AI)"
2	Mrs. C. D.Patil & Mrs. P. K. Bachhav	10 th Aug to 23 rd Nov. 2021	NITTTS1M2-Module 2_Professional Ethics
3	Mr.G.L.Patil	19 th – 23 rd July 2021	One-week online ATAL FDP on "Cyber Security"
4	Mr.P.C.Patil	19 th – 23 rd July 2021	One-week online ATAL FDP on "Cyber Security"
5	Mr.P.C.Patil	19 th – 23 rd July 2021	One-Week Online AICTE FDP on Universal Human Values
6	Ms. P.K. Bachhav	21 st – 25 th July 2021	One Week ATAL FDP on "Applied Machine Learning"

SN	Name of Attendee	Date	Name of Program
7	Mr.S. G. Shukla	21 st Aug. 2021	One Day FDP on IoT & ES
8	Mrs.C.D.Patil	05 th – 07 th Aug. 2021	Three days Online FDP on “System Programming and Operating System”
9	Mrs.S.D.Pagar	10 th – 11 th Aug. 2021	Two days online FOP on “Database Management Systems (310241) and Database Management Systems Laboratory (310246)”
10	Mrs.S.D.Pagar	25 th Aug. 2021	One Day Faculty Development Program on “Operating Systems (Code: 217521)”
11	Mr. P. R. Kulkarni	24 th Aug. 2021	One Day Faculty Development Program on "Object oriented Programming & Computer Graphics Laboratory"
12	Mr. P. R. Kulkarni	10 th – 11 th Aug. 2021	Two days online FOP on “Database Management Systems (310241) and Database Management Systems Laboratory (310246)”
13	Ms.N.A.Kakuste	21 st Aug. 2021	One day faculty development program on" IoT and Embedded system

S.N	Name of Attendee	Date	Name of Program
14	Mrs.R.S. Sahane	12 th - 14 th Aug. 2021	Three Days Online FDP on "Deep Learning for Computer Vision"
15	Mrs.R.S. Sahane	02 nd - 05 th Aug. 2021	STTP on Advanced Applications in Artificial Intelligence and Machine Learning
16	Mr.G.L. Patil	10 th - 11 th Aug. 2021	Two days online FOP on "Database Management Systems (310241) and Database Management Systems Laboratory (310246)"
17	Mr.G.L. Patil	31 st Aug. 2021	Eduskill Foundation -Internship Introduction Session
18	Mr.V.K. Wani	21 st Aug. 2021	One Day Faculty Orientation Program on Distributed System
19	Mr.P.C.Patil	3 rd Aug. 2021	One Day Faculty Development Program on "Theory of Computation"
20	Mrs.R.S. Sahane	05 th - 07 th Aug. 2021	Three days Online FDP on "System Programming and Operating System"

TRAINING ACTIVITIES FOR STUDENTS

Sr.No	Name of Expert	Date	Topic
1	Mrs. P. K. Bachhav	01 st Sep- 25 th Dec. 2021	Introduction to Cyber Security- CISCO Training
2	Mr. S. G. Shukla	25 th Nov. -20 th Dec. 2021	Training on "AWS Solution Architect-Associate
3	Mr. S. G. Shukla	01 st Oct. - 20 th Nov. 2021	Training on AWS Foundation
4	Mrs. C. D. Patil	08 th Sep. - 30 th Nov. 2021	Robotics Process Automation on Blue Prism
5	Mrs. S. R. Pagar	30 th Oct. 2021	Training on LaTeX
6	Mrs. P. K. Bachhav	20 th July- 27 th Aug. 2021	Programming Essentials in Python Online, 35 Days- Certified Training by Cisco.

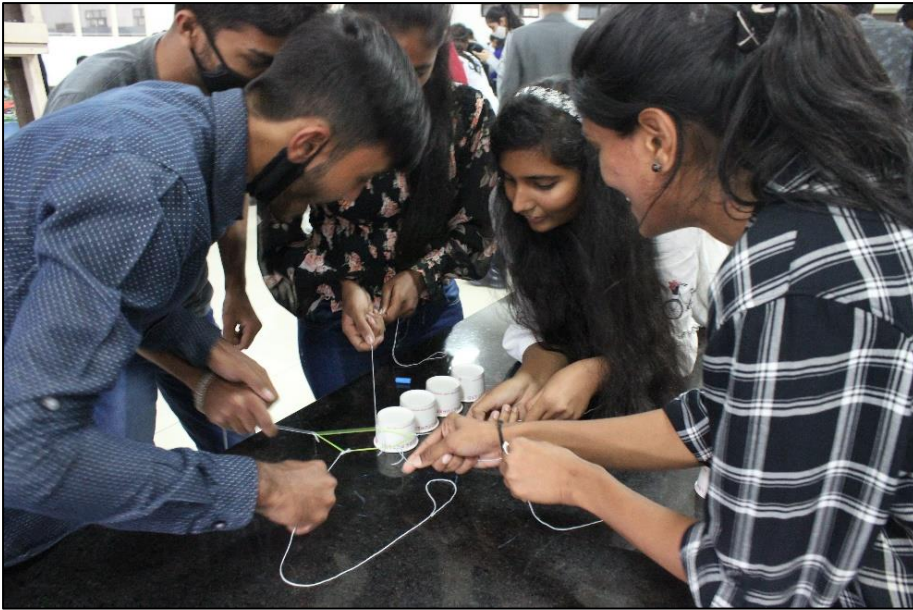
EVENTS UNDER COSA

COSA (Computer Engineering Students Association) Club inauguration , Toppers Felicitation & Engineers Day Celebration



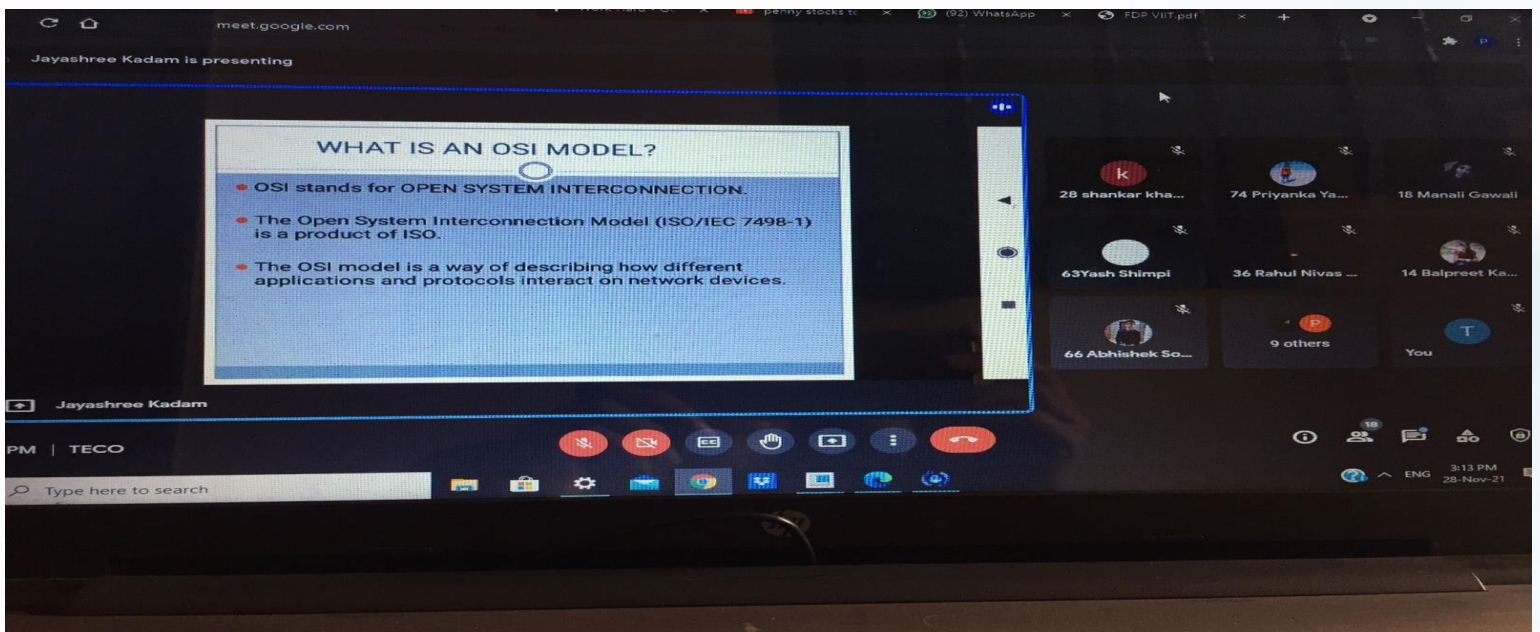
EVENTS UNDER COSA

BGMI (Battlegrounds Mobile India) and Team building Activities

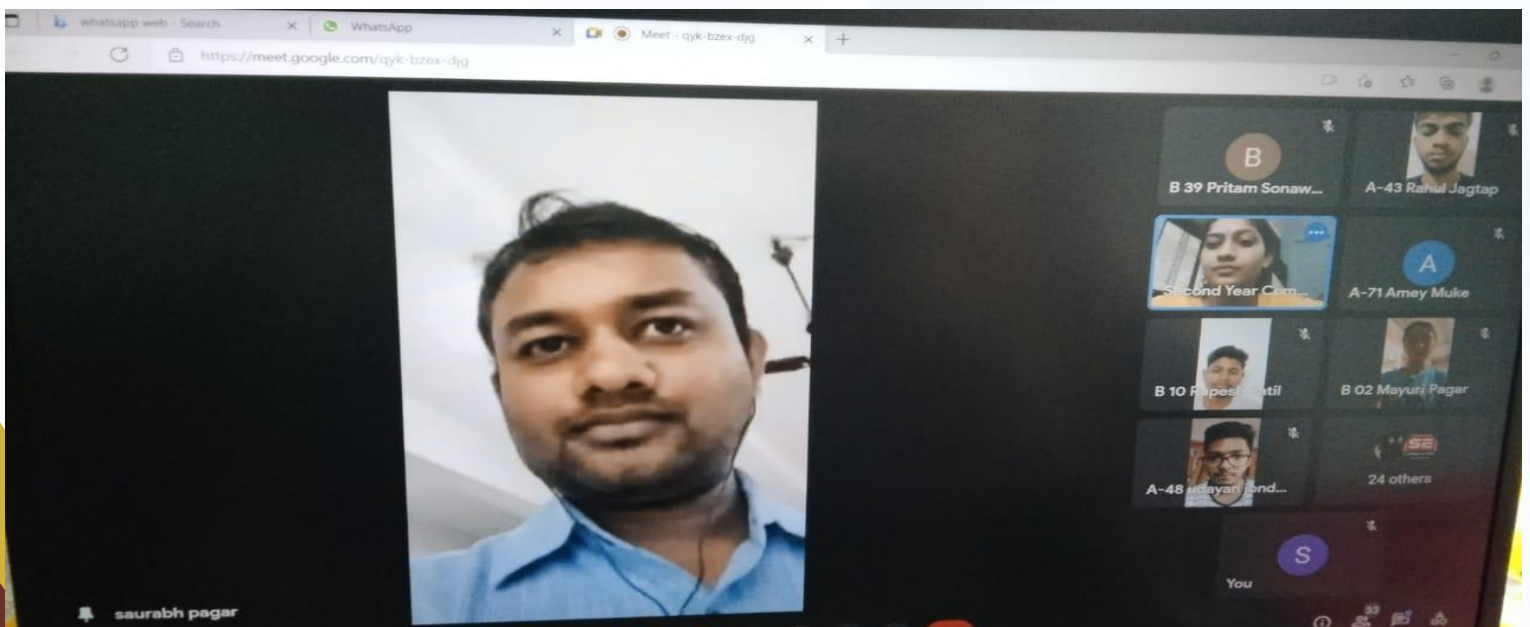


INDUSTRIAL VISITS

Industrial visit to learn and understand Overview of working of BSNL was conducted on 28th Nov. 2021 by Ms. Jayashree Kadam(Jr. Engineer, BSNL, Nashik.



Industrial visit on Introduction to Digital Electronics was conducted on 21st Nov. 2021 by Mr. Saurabh Pagar(Senior Engineer, Sivananda Electronics,Nashik)



INDUSTRIAL VISITS

Visit to NPIT Solutions, Nashik was conducted on 26th Oct. 2021 by Mr. Nilesh Patil (CEO and Director at NP IT Solutions, Nashik) to brief about web development, web designing, managing and handling of websites data. The program covered many basic technical concepts right from what is bandwidth to how we can set domains for the website.

The screenshot displays a Google Meet interface during a presentation. The main window shows a phpMyAdmin database structure for 'npitsolu_demo'. The table list includes:

Table	Action	Rows	Size	Overhead
tbl_admin	Browse Structure Search Insert Empty Drop	1	1.0 KB	1.0 KB
tbl_appointment_booking	Browse Structure Search Insert Empty Drop	14	1.0 KB	1.0 KB
tbl_bed	Browse Structure Search Insert Empty Drop	4	1.0 KB	1.0 KB
tbl_department	Browse Structure Search Insert Empty Drop	4	1.0 KB	1.0 KB
tbl_department_bed	Browse Structure Search Insert Empty Drop	4	1.0 KB	1.0 KB
tbl_donor	Browse Structure Search Insert Empty Drop	4	1.0 KB	1.0 KB
tbl_expenses	Browse Structure Search Insert Empty Drop	4	1.0 KB	1.0 KB
tbl_expenses_total	Browse Structure Search Insert Empty Drop	4	1.0 KB	1.0 KB
tbl_medication	Browse Structure Search Insert Empty Drop	4	1.0 KB	1.0 KB
tbl_medication_category	Browse Structure Search Insert Empty Drop	4	1.0 KB	1.0 KB
tbl_patient	Browse Structure Search Insert Empty Drop	4	1.0 KB	1.0 KB
tbl_patient_allocation	Browse Structure Search Insert Empty Drop	4	1.0 KB	1.0 KB
tbl_patient_report	Browse Structure Search Insert Empty Drop	4	1.0 KB	1.0 KB
tbl_report_categories	Browse Structure Search Insert Empty Drop	4	1.0 KB	1.0 KB
tbl_report_details	Browse Structure Search Insert Empty Drop	4	1.0 KB	1.0 KB
tbl_report_details	Browse Structure Search Insert Empty Drop	4	1.0 KB	1.0 KB

The meeting grid shows participants: NP IT SOLUTIONS, 63Yash Shimpi, 14 Balpreet Kaur Cha..., 71-Omkar Tajane, 21 Priyanka Gupta, 74 Priyanka Yadav, Third Year Computer ..., 24 others, and You. A notification states '54 rushikesh rajegaonkar has left the meeting'. The system tray shows the time as 5:00 PM on 26/10/2021.

STUDENT'S ACADEMIC PERFORMANCE



Akshada Ranalkar
SGPA-9.98



Pranjal Patil
SGPA-9.82



Pratik Kulkarni
SGPA-9.73



Omkar Shinde
SGPA-9.73

EXTRA CURRICULAR ACTIVITIES

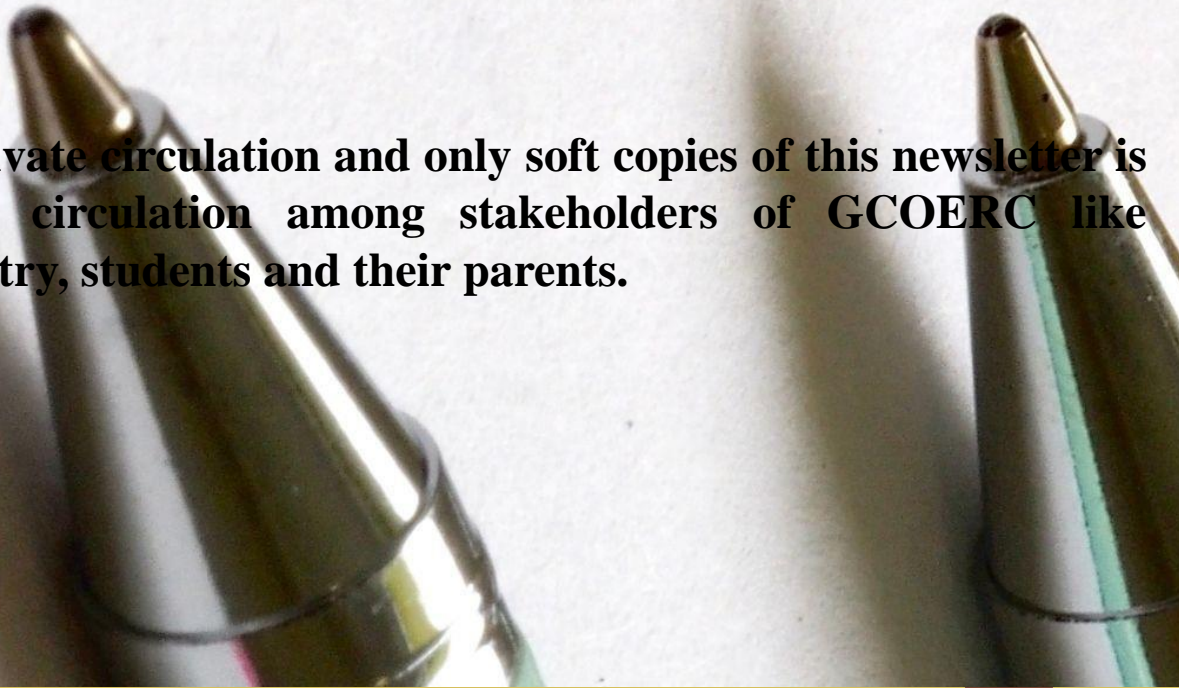
Visit to Vatsalya Vrudhashram (Old Age home People) Nashik



Designed By

1. Chief Editor: Mr.S.G.Shukla (HOD - Computer)
2. Editor: Mrs. C. D. Patil (Asst. Prof. - Comp Dept.)
3. Members:
 1. Mr. Omkar Shinde
 2. Mr. Soham Chandratre
 3. Mr. Chinmay Gangawane
 4. Ms. Sakshi Parkhe
 5. Ms. Ujwala More

★ This is for private circulation and only soft copies of this newsletter is available for circulation among stakeholders of GCOERC like alumni, industry, students and their parents.





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