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ERODE - 638 052 TAMILNADU



NANDHA ENGINEERING COLLEGE (AUTONOMOUS)

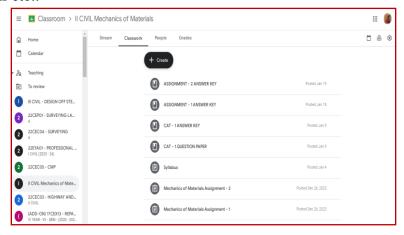
Erode - 52

Department of Civil Engineering

S. No	Problem Solving Aids	Faculty Name
1.	Google Class room	All faculty Members
2.	Online Platform : Examly	All faculty Members
3.	YouTube Video	All faculty Members
4.	Project Based Learning	Mr. M. Yeswanth Mr. S. Gnana Venkatesh
5.	Teaching through Industrial Practices	Mrs. K. Selvi, Mr. K. C. Denesh, Mr. KU. Mani Kandhan
6.	In-plant training	Mr. K. C. Denesh,

1. Google Class room

The primary purpose of Google class room, sharing of files between teachers and students through private online platform. Teachers can create and share Assignments, Quiz, Topic wise course materials etc..

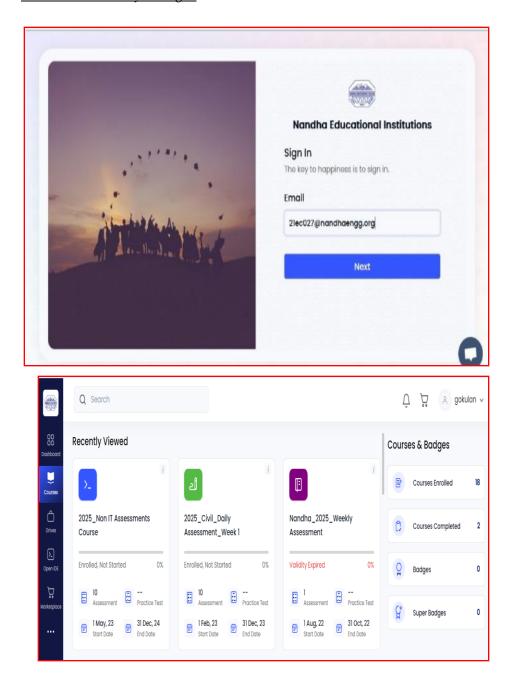


Class work posted Google Classroom

2. Examly:

The online learning platforms examly are used for students in the contemporary educational environment. These platforms provide students with an easy and adaptable method to evaluate their knowledge and abilities.

Web Link: nandha552.examly.io/login

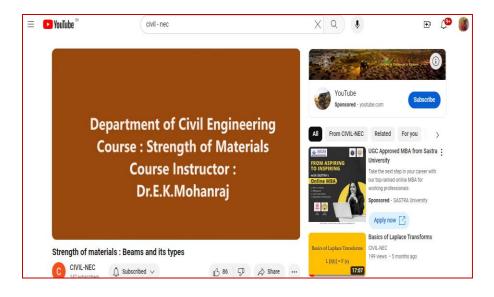


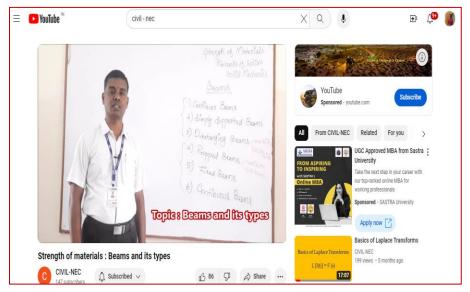
Examly Login and Course Page

3. YouTube Video

Sample youtube video link: https://www.youtube.com/watch?v=8SaVAsGxnmw&t=124s

It helps to the students learn the topics by visually. The students will access and learning the lecturing series easily at any time and that too its free.





Youtube Sample video

4. Project Based Learning

Innovative projects lead the students for lively learning experience. To motivate the students for innovation, projects are given for second and third year students apart from the regular curriculum to encourage them for group learning and having hands on experience and it is also exhibited during the symposium.

Innovation Day is conducted by the institution every year and the best project is awarded with cash prizes.



CONCRETE LAMP LIGHT



17CEC11 - CONCRETE TECHNOLOGY

(A PROJECT BASED LEARNING REPORT)

Submitted by

MIDHUN M 21CE010 SARITHA K 21CE015 THAMIZHARASI S 21CE016 DHARSANA S 21CEL02

in partial fulfilment for the award of the degree

BACHELOR OF ENGINEERING IN CIVIL ENGINEERING

NANDHA ENGINEERING COLLEGE (An Autonomous Institution, Affiliated to Anna University, Chennai)

ERODE - 638 052

APRIL 2023

NANDHA ENGINEERING COLLEGE

(An Autonomous Institution, Affiliated to Anna University, Chennai)

Certified that this PBL report "CONCRETE LAMP LIGHT" is the bonafide work of

MIDHUN M 21CE010 SARITHA K 21CE015 THAMIZHARASI S 21CE016 DHARSANA S 21CEL02

who carried out the PBL work under my supervision. Further that to the best of my knowledge the work reported here in does not form part of any other PBL work on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidates.

Dr. E. K. MOHANRAJ, ME, Ph.D.;
HEAD OF THE DEPARTMENT

HEAD OF THE DEPARTMENT
DEPARTMENT OF CIVIL ENGINEERING
NANDHA ENGINEERING COLLEGE
ERODE - 638 052

SIGNATURE 23

ASSISTANT PROFESSOR

DEPARTMENT OF CIVIL ENGINEERING
NANDHA ENGINEERING COLLEGE

ERODE - 638 052

Submitted for the PBL Viva-Voce examination held on 15/05/2028

Sample PBL Report





Sample PBL Projects

5. Teaching through Industrial Practices.

Industry Persons are used to assess the students project during 7^{th} and 8^{th} Semester Design Project and Project Work in the curriculum at 7^{th} and 8^{th} semesters.

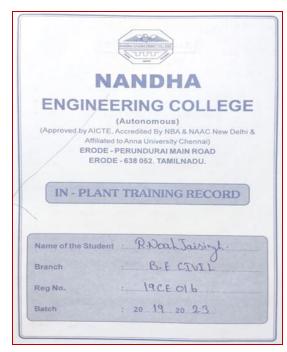


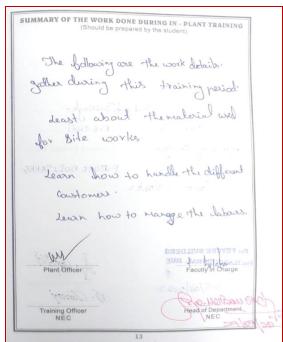


Project review by Industry Expert

6. In-plant training

Students are asked to undergo in-plant training in the semester holidays, through which they will get to know about the field exposure and knowledge of using the analysis software and drawing tools that are used in those industries. They will experience the industry environment and get some adequate knowledge about the activities and team work involved in the industry. Each student can have an IPT booklet. They have to update their IPT details undergone in that booklet.





Sample IPT Record



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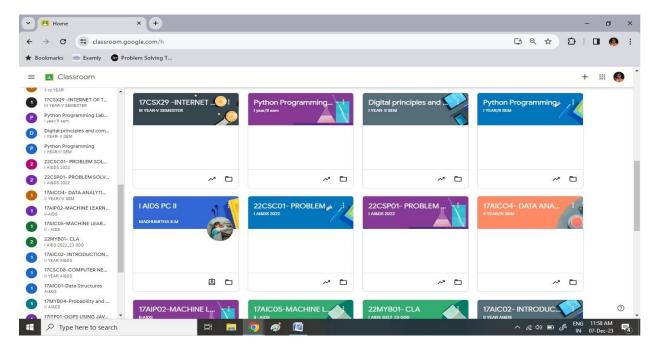
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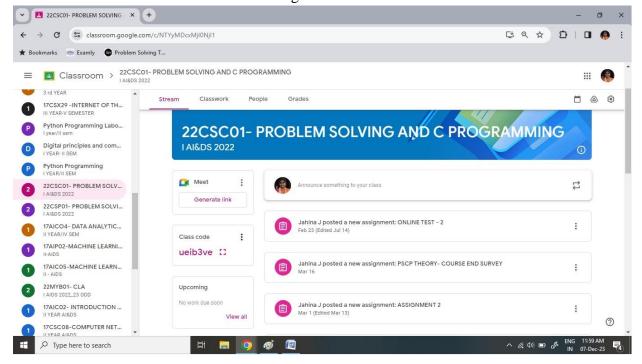
Email: principal@nandhaengg.org Mobile: 73737 12234

Google Classroom:

The primary purpose of Google classroom is to encourage paperless sharing and provides a platform for communicating with students. Teachers can create online test, assignments, topic wise materials and the evaluation, assigning marks were done by Google class room.



Google Classroom

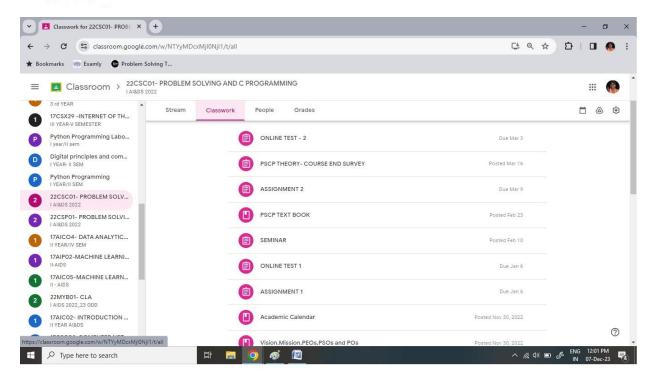




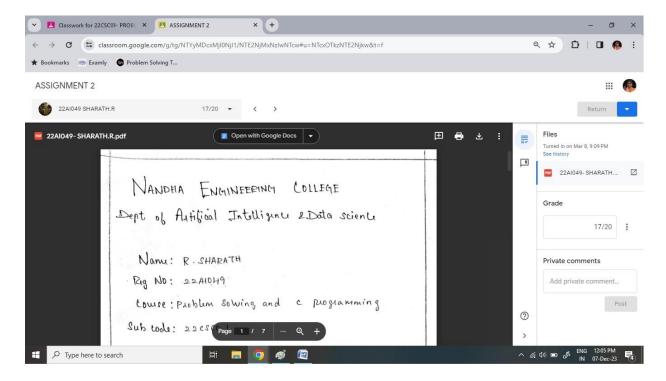
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Assigning Class work to students



Students assignment uploading



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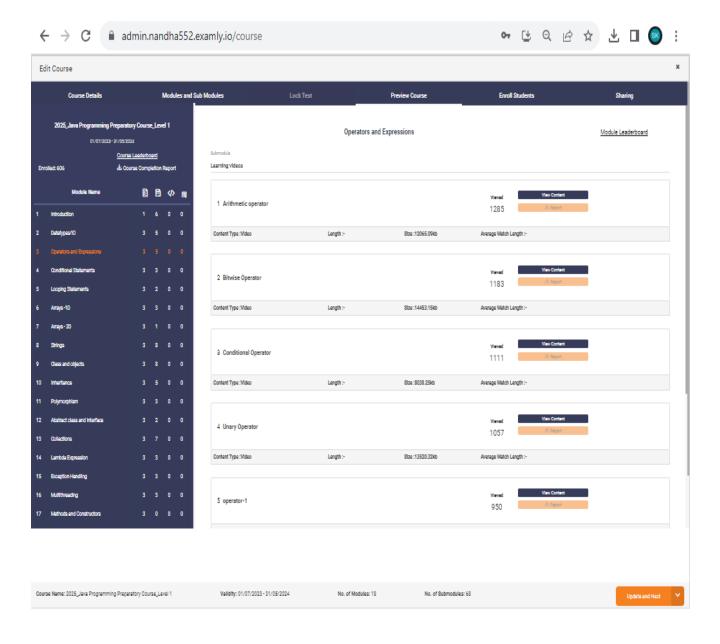
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Examly Portal

COURSE DETAILS





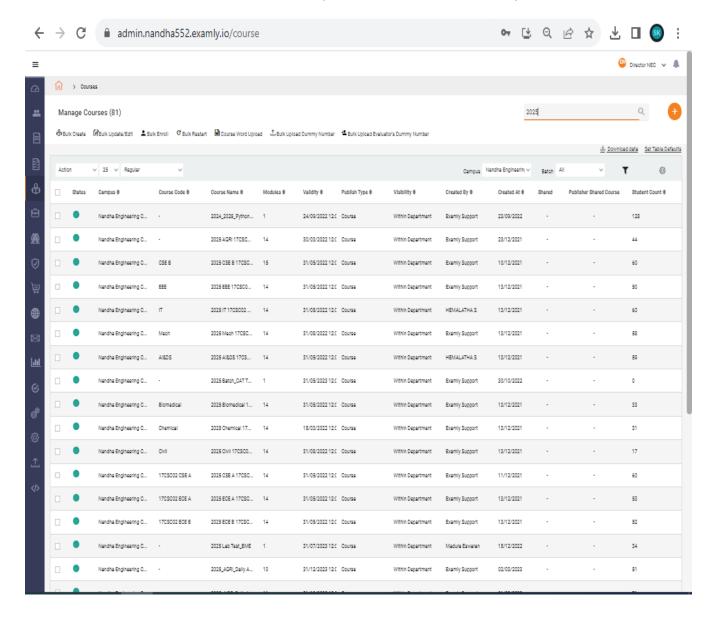
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LIST OF COURSES (COURSE VIEW PAGE)





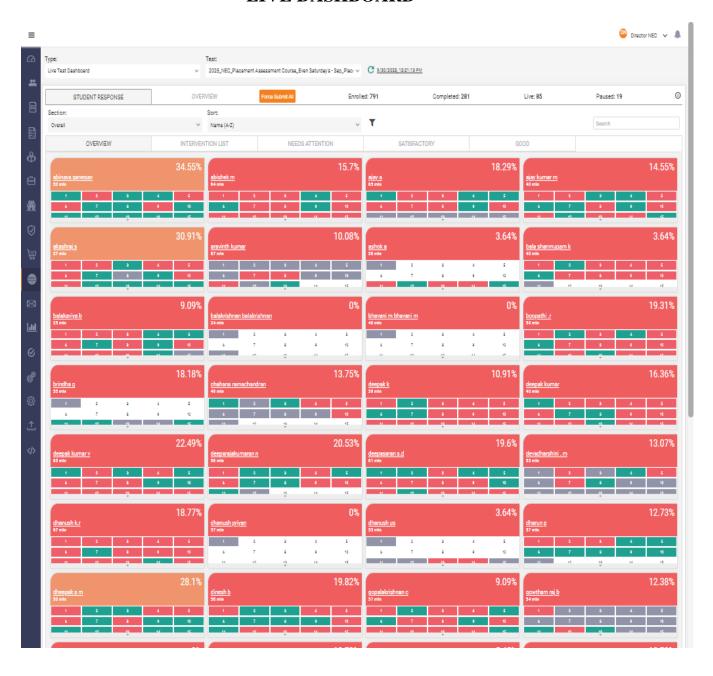
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LIVE DASHBOARD





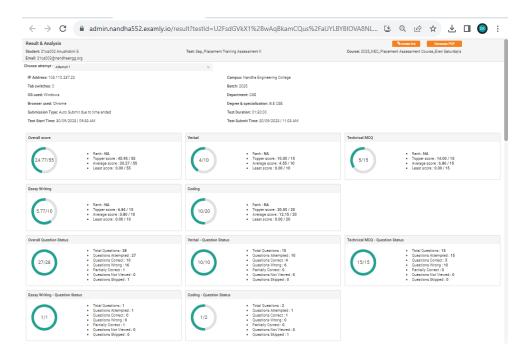
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INDIVIDUAL STUDENT ANALYSIS



USAGE REPORT





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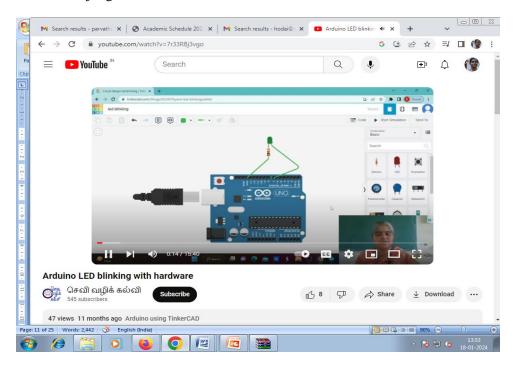
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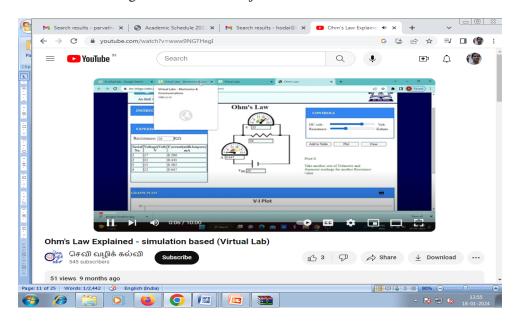
Email: principal@nandhaengg.org Mobile: 73737 12234

You Tube Video's

https://youtu.be/7r33RBj3vgo?si=irSeW5SVJRO4LIUC



https://youtu.be/www9NGTHegI?si=XAFVxfrettv-jeMr





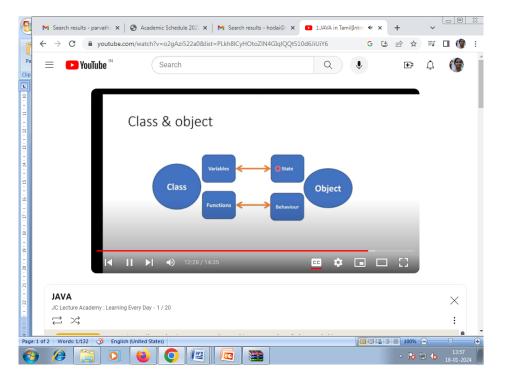
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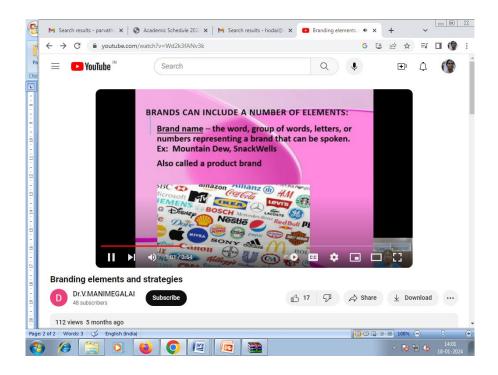
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Email: principal@nandhaengg.org Mobile: 73737 12234

https://www.youtube.com/watch?v=o2gAzi522a0&list=PLkh8lCyHOtoZIN4GIqIQQt510d6JiUiY6



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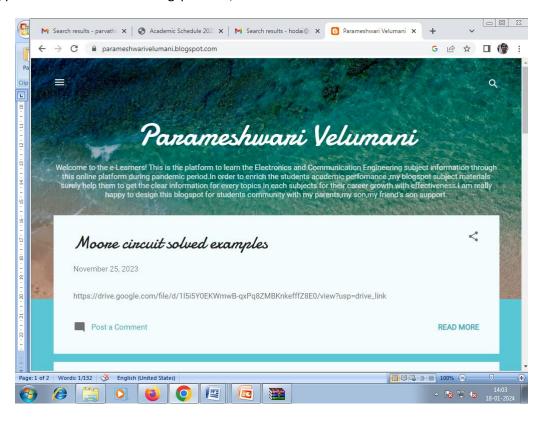
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Email: principal@nandhaengg.org Mobile: 73737 12234

Blog Spot

https://parameshwarivelumani.blogspot.com/

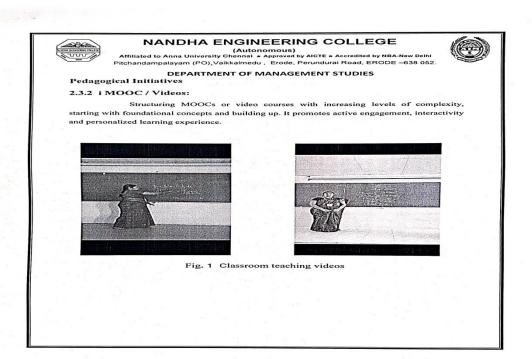


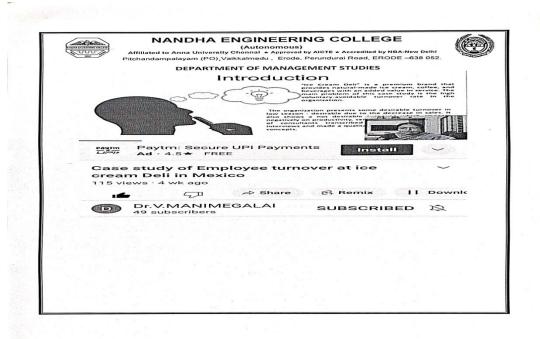


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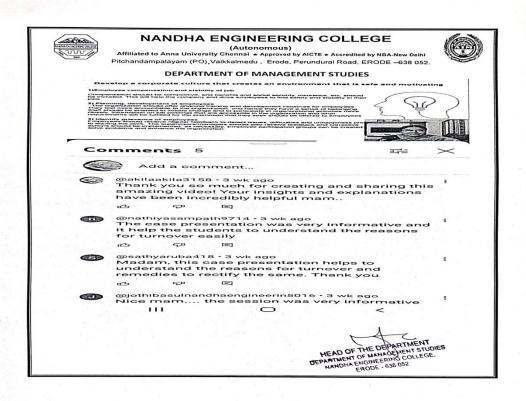


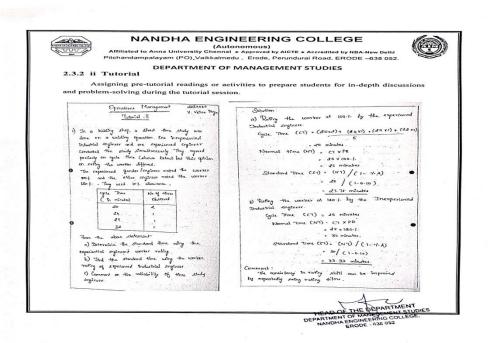




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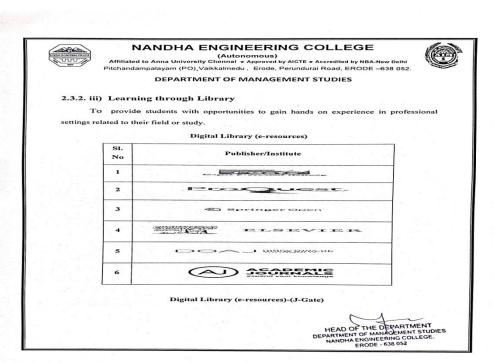


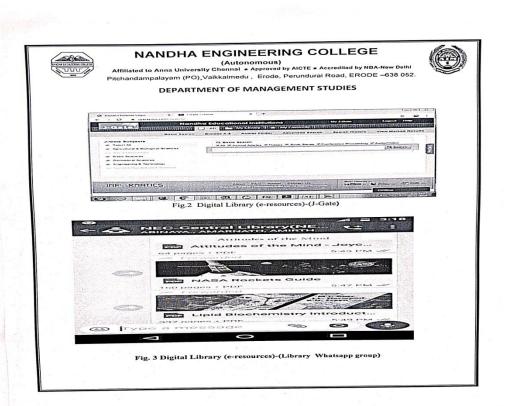


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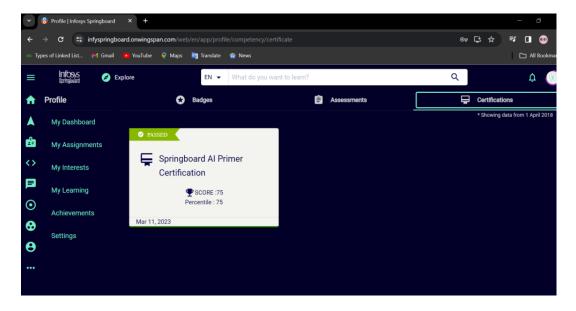
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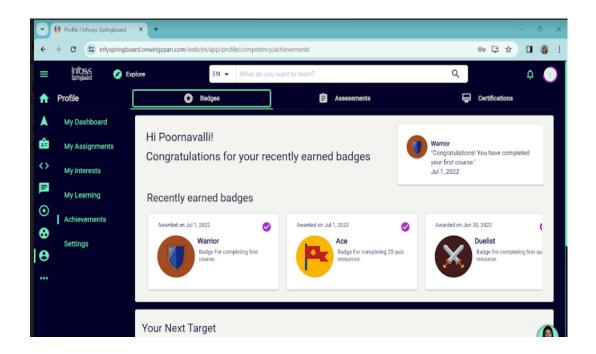
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Infosys Springboard





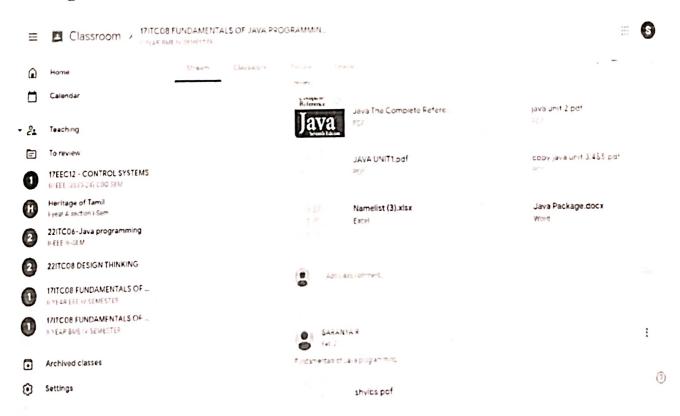
DEPARTMENT OF INFORMATION TECHNOLOGY

2.3.2 Teachers use ICT enabled tools including online resources for effective teaching and learning process

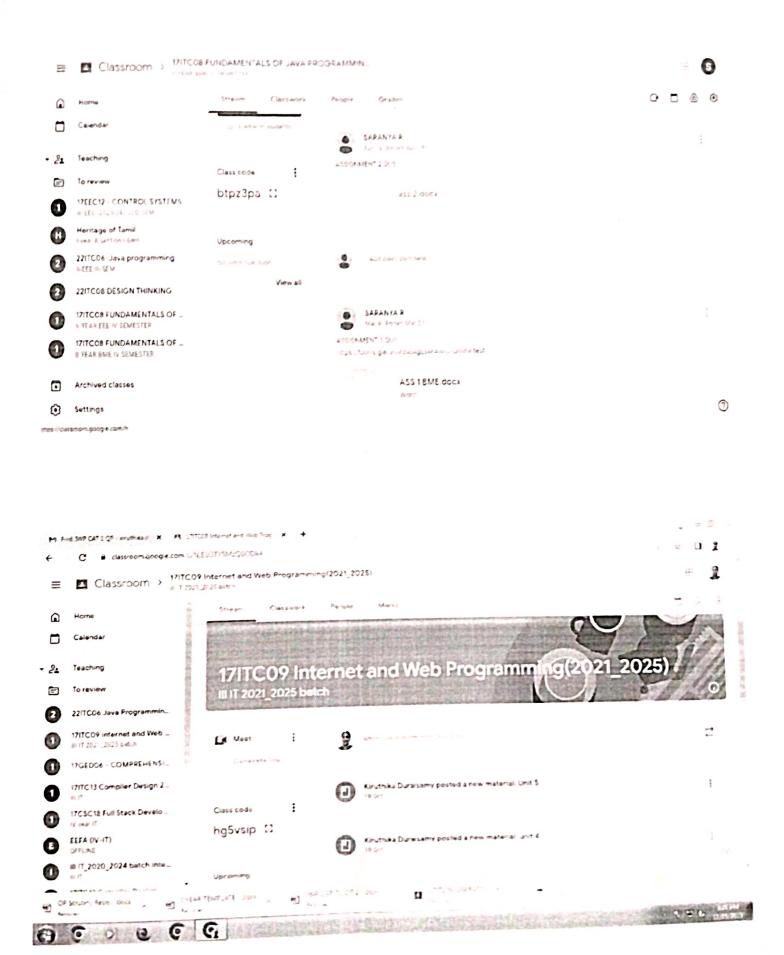
INDEX

S.No	Description
1	Google Classroom
2	Examly Portal
3	YouTube Video
4	Zoom APP
5	Infosys Springboard
6	ICT Enabled Classrooms
7	ICT Enabled Laboratories

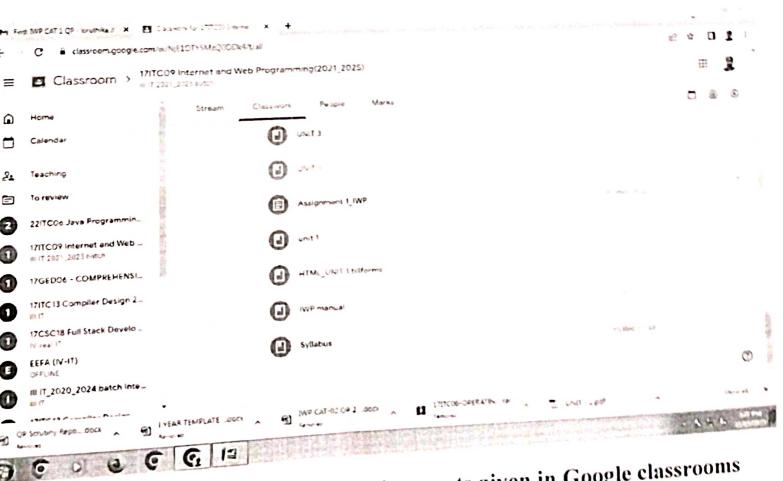
1.Google Classroom



Google classroom for Fundamentals of java programming



Students joined in Classroom

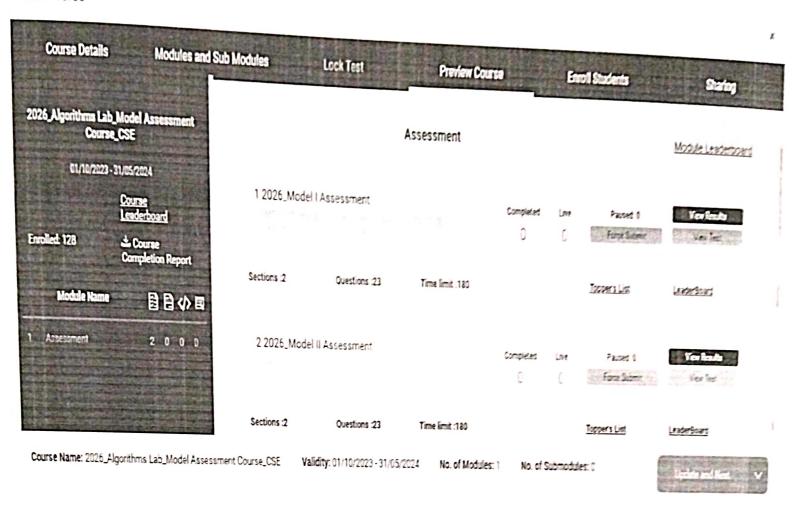


Course Materials uploaded & Assignments given in Google classrooms

2.EXAMLY PORTAL

Examly is an AI powered platform specially designed to teach coding I programming skills. Examly provides learning contents, practiceexercises and assessments required to teach programming courses. Examly creates a unique learning path for each student and adapts the practice exercises as per his/her understanding of the concepts. This platform is currently used by 100- top universities in India. In our college examly platform is used in-line with the course curriculum to teachand assess the students. Placement preparation plays a major role in career settlement of a student. Examly platform supports us in terms of placement training, practice and assessments based on requirements of students. Basic training and company specific training / assessments are conducted using this examly platform.

- . Custom practice tests
 - Admin login for review
 - Live monitoring
 - Proctor control
 - Report generation and analysis
 - Supports various programming languages
 - Aptitude, reasoning and verbal training
 - Industry Content for training and evaluation
 - Real Time solution for industrial problems.



Student Enrolled Details

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Practice and Assessment

Edit Course

Course Details	Modules and Sub I	Vocules	LockTest	Proview Co.	3.	Œ	oli Students	Sim
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Course Name: 2027_C Programming CAT & Model Assessment Course_CSE Validity: 01/10/2023 - 31/12/2024 No. of Modules: 2 No. of Submodules: 0



Live Dashboard

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33 2025_Java Programming Prep PAT_JAVA_COD_Class&Objects_P	3 2025_Java Programming Prep_ PAT_JAVA_COD_Strings_PA_L1	2 2025_Java Programming Prep_ PAT_JAVA_COD_Class&Objects_F	2026_Java Programming Pro
1 2026_Java Programming Prep PAT_JAVA_COD_Leoping_PA_L1	2026_Java Programming Prep_ PAT_JAVA_COD_Arrays_1D_FA_L1	2026_Java Programming Prep PAT_JAVA_COD_Strings_PA_L1	2026_Java Programming Mo 2026_Java Proglamating. Vin. 1
2 2025_Placement training Plan Reading and Writing_Day 10	1 2025_Placement training Plan Reading and Writing_Day 5	1 2025_Placement training Plan Reading and Writing_Day 8	2025_Placement training Pla Reading and Writing_Day 4
1 2025_Java Programming Prep	1 2025_Java Programming Prep	1 2026_Java Programming Prep	2026_Java Programming Pre

Test

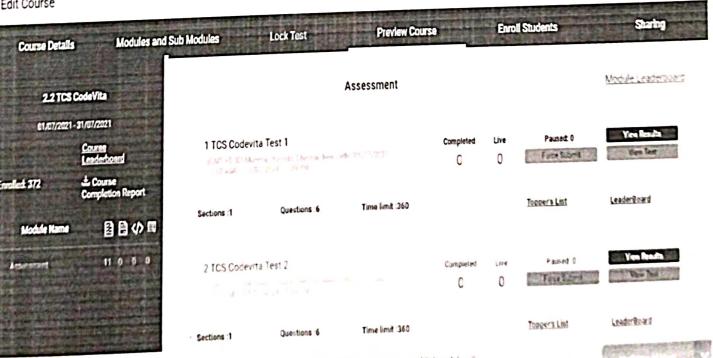
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Company Specific Practice Test



Edit Course

nurce Name 22 TCS CodeVite



Validity: 01/07/2021 - 31/07/2021

No. of Modules

No. of Submodules: (

3. YouTube Video

It provides various teaching videos and helps the students learn. It doesn't matter whether they are sitting in another part of the world. The students will have easy access to the source of learning anytime that they want and that too it is free. Here faculty Members posted the videos in various topics related to the course.

Faculty Name: Ms. S.THANGAMANI, AP/IT.

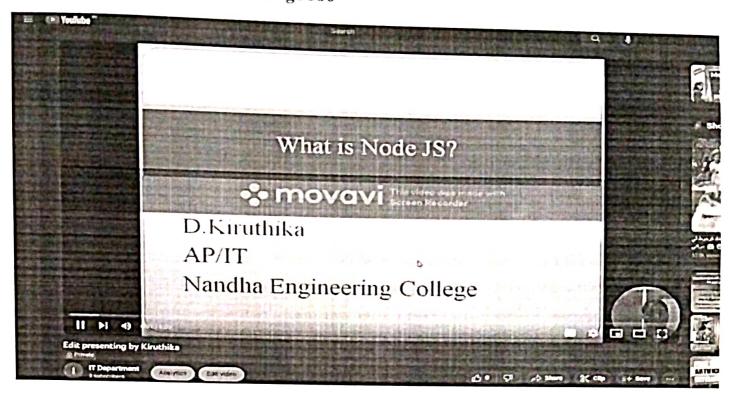
Web Link-https://youtu.be/vUeMkJgSTJ0

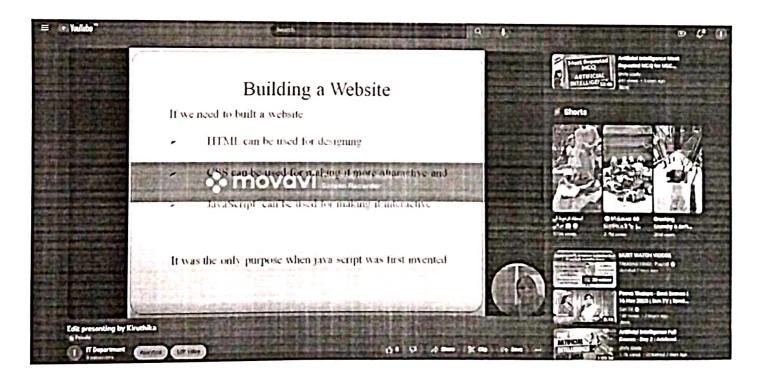




Faculty Name: Ms.D.KIRUTHIKA, AP/IT.

Web Link-https://youtu.be/vUeMkJgSTJ0





Faculty Name: Ms.A.BHARATHI, AP/IT.

Web Link-https://youtube/vUeMkJgSTJ0

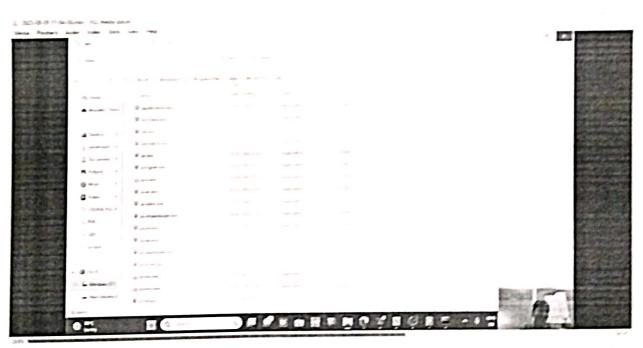


Welcome to the Lecture Series on

"Introduction to Programming With Java"

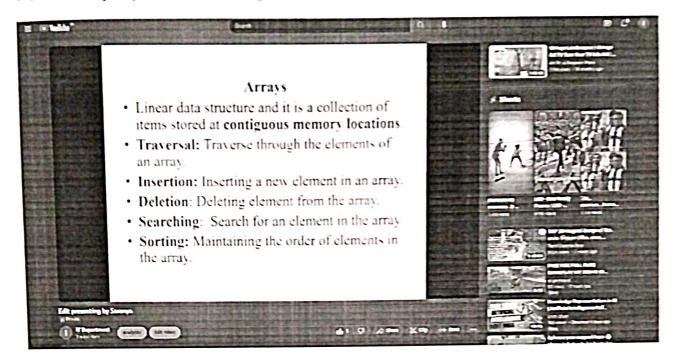


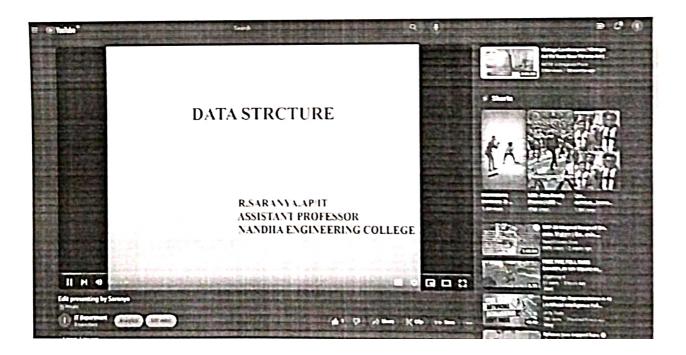
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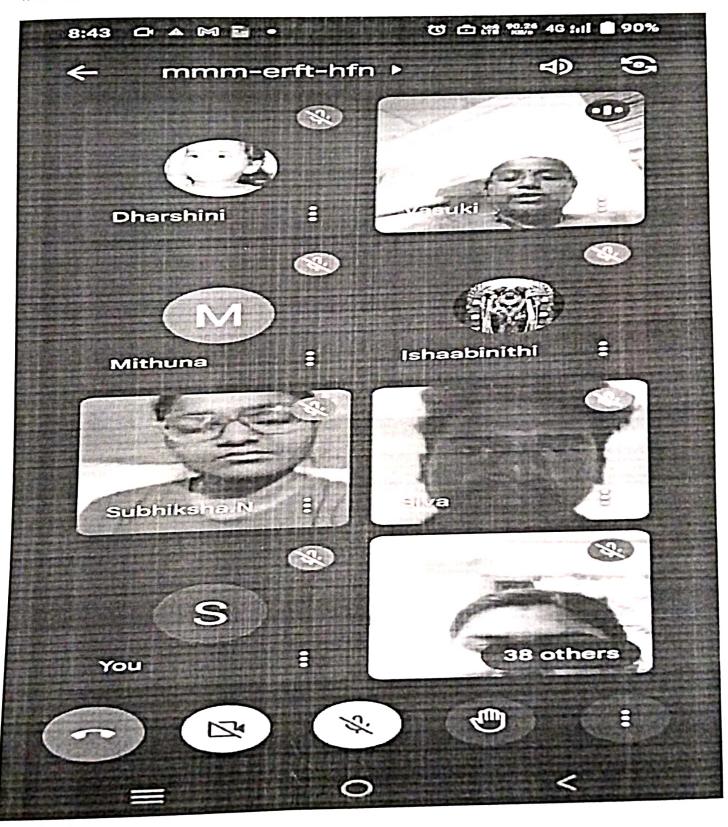
Faculty Name: Ms. R. SARANYA, AP/IT.

Web Link-https://youtube/vUeMkJgSTJ0





4. Zoom APP



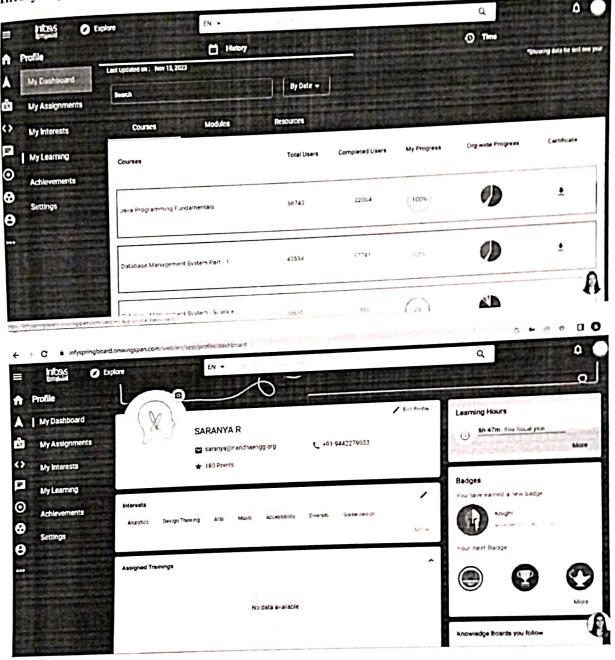
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← About this call

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Infosys Springboard



Dashboard

5. ICT Enabled Class Rooms

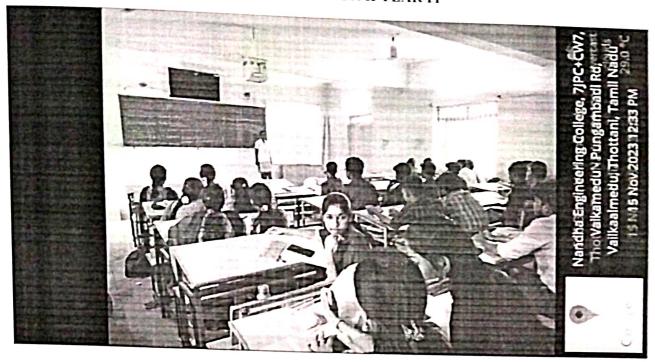
The Institute follows ICT enabled teaching in addition to the traditional classroom education. Subsequent efforts are taken by the institute to provide e-learning atmosphere in the classroom. In addition to chalk and talk method of teaching the faculty members are using the IT enabled learning tools such as PPT, Video clippings, online sources, to expose the students for advanced knowledge and practical learning.

BLOCK 3 – II FLOOR I YEAR IT



Class Room enabled with Smart TV

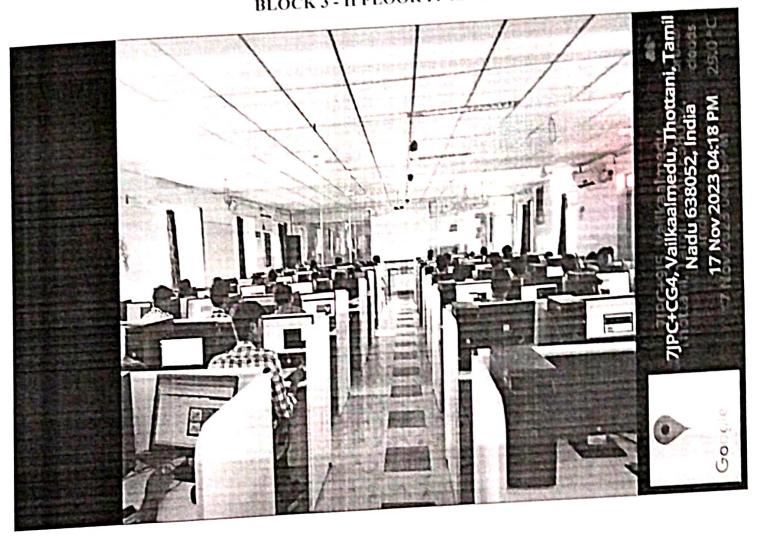
BLOCK 3 - II FLOOR II YEAR IT



Class Room enabled with Projector

ICT Enabled Laboratories

BLOCK 3 - II FLOOR IT LAB



Laboratories enabled with Projector