



MOOKAMBIGAI COLLEGE OF ENGINEERING
Srinivasa Nagar, Kalamavur, Pudukkottai Dist. – 622502





MOOKAMBIGAI COLLEGE OF ENGINEERING

SRINIVASA NAGAR, KALAMAVUR, PUDUKKOTTAI-622502.

Career Guidance and Preplacement Training Cell



REPORT ON THE APTITUDE CLASSES CONDUCTED FOR THE FINAL YEAR ENGINEERING STUDENTS (BATCH 2020-24)

This report details the Aptitude classes conducted for the final-year engineering students (2020-24 batch) at Mookambigai College of Engineering. The classes were organized by the Career Guidance and Preplacement Training Cell to equip students with aptitude skills for future academic and professional success.

Resource Person : Mr. U.Arunkumar M.E.,
PROGRAMME : B. E-CSE, ECE, B.TECH-IT
COURSE NAME : Quantitative Aptitude and Reasoning Ability
YEAR / SEMESTER : IV / VII
COURSE CATEGORY : Career Guidance and Preplacement cell

OBJECTIVE

Students able to critically evaluate various real-life situations by resorting to an analysis of key issues and factors. This Aptitude Training helps them to demonstrate various principles involved in solving mathematical problems and thereby reducing the time taken for performing job functions.

OVERCOMES:

After completing this training course, students will be able to

1. Enhance the Aptitude Round Clearing ability in interview process
2. Solve the real-time problems for performing job functions easily
3. Interpret the concepts of LOGICAL REASONING Skills
4. Acquire satisfactory competency in use of VERBAL REASONING

SL.NO	DATE	Hour	TOPICS
1	01-09-2023	6,7	Introduction of Aptitude and Reasoning ability
2	09-09-2023	6,7	Simplification ,Number system
3	15-09-2023	6,7	Coding Decoding, Clarification
4	29-09-2023	6,7	Direction & Distance , Blood relation
5	13-10-2023	6,7	Syllogism , Percentage
6	20-10-2023	6,7	Ratio & proportion, Puzzles
7	27-10-2023	6,7	Average, Seating arrangement
8	03-11-2023	6,7	Non-verbal Reasoning

REFERENCE BOOKS:

1. Dinesh Khattar - Quantitative Aptitude for Campus Interview Vol-I-Pearson Education (2016)
2. Dinesh Khattar - Quantitative Aptitude for Campus Interview Vol-II-Pearson Education (2016)
3. DR.R.S.AGGARWAL Quantitative Aptitude for Competitive Examinations (2017)

Coordinator
Dr. Y. Stephen Xavier

Principal
Dr. R. Elangovan



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Career Guidance and Preplacement Training Cell



REPORT ON THE APTITUDE CLASSES CONDUCTED FOR THE FIRST YEAR ENGINEERING STUDENTS (BATCH 2023-27)

This report details the Aptitude classes conducted for the first-year engineering students (2023-27 batch) at Mookambigai College of Engineering. The classes were organized by the Career Guidance and Preplacement Training Cell to equip students with fundamental aptitude skills crucial for future academic and professional success.

Faculty

The classes were led by a team of experienced faculty members:

- Dr. P.K. Eswari
- Dr. R. Sayeelakshmi
- Mrs. S. Revathy
- Mrs. R. Chitra
- Mr. A. Elamithi
- Mrs. K. Sasikala

Course Structure and Duration

The aptitude classes were held weekly for one hour each, providing a dedicated space for students to develop their aptitude skills throughout the first year.

Course Content

The curriculum focused on the fundamentals of aptitude, covering essential areas like:

- Quantitative Aptitude: This section likely included topics like basic arithmetic operations, algebra, geometry, percentages, ratios and proportions, profit and loss, averages, etc.
- Logical Reasoning: This section may have covered areas like problem-solving, analytical reasoning, critical thinking, syllogisms, puzzles, etc.
- Verbal Reasoning: This section might have focused on improving vocabulary, reading comprehension, grammar, sentence correction, etc.
- Data Interpretation: This section could have introduced students to interpreting data presented in various forms like charts, graphs, tables, etc.

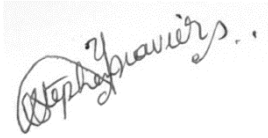
Benefits

These aptitude classes aimed to equip students with the following benefits:

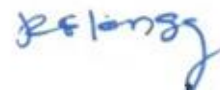
- Improved Problem-Solving Skills: By practicing various aptitude questions, students develop a strong foundation for approaching problems logically and efficiently.
- Enhanced Analytical Skills: The course honed critical thinking abilities, allowing students to analyze situations, identify patterns, and arrive at sound conclusions.
- Stronger Communication Skills: The focus on verbal reasoning likely improved vocabulary and reading comprehension, leading to better communication skills.

- Preparation for Competitive Exams: The foundational skills developed in these classes provide a strong base for competitive entrance exams for higher education and placements.
- Increased Confidence: Mastering aptitude skills can boost students' confidence in their abilities, preparing them for academic and professional challenges.

The aptitude classes offered by the CGPC at Mookambigai College of Engineering provide first-year Engineering Students with a valuable head start in developing essential skills for academic success and future career prospects. By focusing on the fundamentals of aptitude, the course equips students with problem-solving, analytical, and communication abilities, preparing them for competitive exams and the demands of their chosen engineering fields.



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Career Guidance and Preplacement Training Cell



REPORT ON THE ENGLISH COMMUNICATION CLASSES CONDUCTED FOR THE FIRST-YEAR ENGINEERING STUDENTS (BATCH 2023-27)

Introduction

This report details the English communication classes conducted by the Preplacement Training and Career Guidance Cell of Mookambigai College of Engineering for the First-Year Engineering students (batch of 2023-27) during the odd semester (July-December) of the 2023-24 academic year. These classes were designed to address the specific needs of students, considering that a significant portion comes from rural backgrounds and a Tamil medium educational background.

Faculty

The program benefited from the expertise of a qualified team of faculty members:

- Dr. V. Vijaya Reka
- Dr. Y. Stephen Xavier
- Dr. R. Pradeeban
- Mrs. Elizebeth Glorie

Program Objectives

The primary objectives of the English communication classes were to:

- Bridge the gap between rural backgrounds and the academic demands of an engineering program.
- Enhance the students' foundational skills in English communication, encompassing speaking, listening, reading, and writing.
- Foster confidence in using English for academic and professional purposes.
- Equip students with the necessary communication skills to excel in their academic pursuits and future careers.

Considering Students' Background

Recognizing that most students had a Tamil medium background, the classes adopted a student-centric approach. This included:

- Focus on Fundamentals: The curriculum emphasized building strong grammar and vocabulary foundations.
- Interactive Learning: Interactive activities, group discussions, and role-playing exercises were incorporated to encourage active participation and build confidence.
- Emphasis on Spoken English: Special focus was given to spoken English skills, considering the importance of clear communication in academic and professional settings.
- Sensitivity to Learning Pace: The instructors acknowledged the varying levels of English proficiency among students and adapted the pace and complexity of the content accordingly.

Course Content (Possible Topics)

While the specific curriculum might not be available, the classes likely covered essential English communication topics such as:

- Grammar Review: Basic grammar rules, sentence structure, tenses, and punctuation.
- Vocabulary Building: Techniques for expanding vocabulary and using vocabulary effectively in context.
- Reading Comprehension: Strategies for improving reading comprehension skills and critical thinking.
- Writing Skills: Practice writing clear, concise, and grammatically correct sentences and paragraphs.
- Public Speaking: Techniques for overcoming stage fright, delivering presentations effectively, and participating in discussions.

Delivery Method

The classes were conducted weekly for a duration of one hour each. The interactive nature of the program likely involved:

- Lectures: Clear explanations of grammar and vocabulary concepts.
- Activities and Exercises: Practical application of learned concepts through interactive exercises and group work.
- Audio-Visual Aids: Use of multimedia tools and audio recordings to enhance learning and improve listening skills.
- Individual Attention: Opportunities for individual feedback and support from the instructors.

Assessment (Possible Methods)

The instructors might have employed various assessment methods to gauge student progress, such as:

- Regular Class Participation: Active participation in discussions and activities.
- Quizzes and Short Tests: Evaluating understanding of grammar concepts and vocabulary. (ORAL)
- Writing Assignments: Assessing writing skills through essays or short reports.
- Presentations: Providing an opportunity to demonstrate public speaking skills.

Participants: The entire First-Year Engineering Students (2023-27 Batch).

Proof: Attendance

Conclusion

The English communication classes conducted by the Preplacement Training and Career Guidance Cell played a crucial role in supporting the First-Year Engineering Students (batch 2023-27) from rural backgrounds and Tamil medium education. The program fostered a strong foundation in English communication skills, building confidence and preparing them for academic and professional success. This initiative highlights the college's commitment to providing its students with the necessary tools to thrive in an increasingly globalized world.


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Coordinator


Dr. R. Elangovan
Principal



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Career Guidance and Preplacement Training Cell



REPORT ON A ONE DAY WORKSHOP ON AI FOR STUDENTS: BUILD YOUR OWN GENERATIVE MODEL

Date: February 17, 2024

Organized by: The Training and Career Guidance Cell, Mookambigai College of Engineering

Resource Person: Thirvikrama, AIR 93, IIT Delhi, AI Expert

Mode: Online

The poster features a dark blue background with a grid pattern. In the top left corner, a purple triangle contains the text 'Free Webinar'. The top right corner displays the 'NXT WAVE™' logo. The main title is 'AI for Students: Build Your Own Generative AI Model'. Below the title, two bullet points are listed: 'Get AI Mastery Certificate' and 'No previous coding knowledge needed'. A portrait of Trivikrama, an AI expert, is shown on the left. To the right, a 3D robot is depicted sitting on a laptop. At the bottom left, a calendar icon is next to the date and time '17th Feb, 11:00 AM'. A large purple button at the bottom center says 'Register Now'.

Free Webinar

NXT WAVE™

AI for Students: Build Your Own Generative AI Model

- ✓ Get AI Mastery Certificate
- ✓ No previous coding knowledge needed

Trivikrama
AIR 93, IIT Delhi
AI Expert

17th Feb, 11:00 AM

Register Now

This report details a workshop titled "AI for Students: Build Your Own Generative Model," organized by The Training and Career Guidance Cell of Mookambigai College of Engineering on February 17, 2024. The workshop was conducted online and aimed to introduce students to the exciting field of generative models within Artificial Intelligence (AI).

Workshop Leader

The workshop was led by Thirvikrama, a distinguished AI expert who secured All India Rank 93 at the Indian Institute of Technology Delhi. His expertise and experience in the field provided valuable insights for the student participants.

Workshop Content

- **Introduction to Generative Models:** The workshop likely began with an overview of generative models, a powerful category of AI models capable of generating new data resembling existing data.
- **Types of Generative Models:** The session might have explored different types of generative models, including:
 - ❖ **Generative Adversarial Networks (GANs):** These models involve two neural networks competing against each other, with one generating new data and the other trying to distinguish real data from the generated data.
 - ❖ **Variational Autoencoders (VAEs):** VAEs encode data into a latent space and then learn to decode new data samples from that latent space.
 - ❖ **Autoregressive Models:** These models generate data one element at a time, predicting the next element based on the previously generated elements.
- **Applications of Generative Models:** Real-world applications of generative models were likely discussed, showcasing their potential in various fields:
 - ❖ **Image and Video Generation:** Creating realistic images, editing existing photos, or generating entirely new videos.
 - ❖ **Text Generation:** Automatic content creation, realistic dialogue bots, or machine translation.
 - ❖ **Drug Discovery:** Simulating and generating new molecule structures to accelerate drug discovery processes.
 - ❖ **Music Composition:** Generating new music pieces or modifying existing ones.
- **Building a Simple Generative Model:** The workshop might have included a practical session guiding students through the process of building a basic generative model using a user-friendly platform or coding libraries. This hands-on experience would have provided students with a deeper understanding of the concepts and practical skills for further exploration.

Benefits of Attending

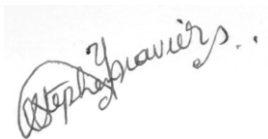
The workshop offered students valuable benefits:

- Exposure to AI and Generative Models: Students gained foundational knowledge about generative models, a rapidly developing field within AI.
- Understanding of Applications: The workshop broadened their understanding of the diverse real-world applications of generative models.
- Hands-on Experience (if applicable): The practical session (if offered) equipped students with basic skills to build their own generative models, fostering an interest in further exploration.
- Career Guidance: Insights from an AI expert like Thirvikrama provided valuable career guidance for students interested in pursuing a career in AI.

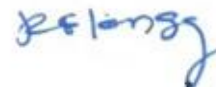
The "AI for Students: Build Your Own Generative Model" workshop organized by The Training and Career Guidance Cell at Mookambigai College of Engineering offered a valuable introduction to this exciting area of AI. By combining theoretical knowledge with practical experience (if applicable), the workshop sparked students' interest in generative models and their potential applications. This exposure can empower students to pursue further learning and potentially careers in the ever-evolving field of AI.

Participants

The participants not only included the students exclusively from Mookambigai College of Engineering but also the Faculty from all the branches including Science and Humanities.



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Career Guidance and Preplacement Training Cell



REPORT ON A ONE DAY WORKSHOP ON HOW TO CRACK GATE WITH MINIMUM EFFORT

Date: February 21, 2024

Organized by: Training and Pre Placement Cell

Conducted by : Sri Krishna Engineering Academy. Trichy



A one-day GATE awareness workshop conducted specifically for third and final year engineering students at Mookambigai College of Engineering on February 21, 2024. The workshop conducted by Sri Krishna Engineering Academy, aimed to equip these students with the knowledge and guidance necessary to make informed decisions about appearing for the Graduate Aptitude Test in Engineering (GATE).



Workshop Objectives

Increase awareness about GATE among final year engineering students.

- Highlight the importance of GATE for pursuing higher education and career opportunities in engineering.
- Provide a comprehensive overview of the GATE exam format, syllabus, and eligibility criteria.
- Equip students with practical strategies for effective GATE preparation alongside their regular academic commitments.

Workshop Content

The workshop content was designed to cater to the specific needs and interests of final year engineering students. Key areas covered included:



1. GATE Introduction and Benefits

- **Overview of GATE:** The session began with a high-level introduction to GATE, explaining its purpose as a national-level entrance exam for postgraduate engineering programs and PSU recruitment.
- **Benefits of GATE:** The workshop emphasized the significance of GATE scores for final year students, highlighting how they can be used to:
 - Secure admissions into prestigious M.Tech programs across India.
 - Gain a competitive edge for placements in PSUs that heavily recruit through GATE.



2. GATE Eligibility and Application

- **Eligibility Criteria:** Detailed information on GATE eligibility criteria (branch-wise) was provided to help students determine their eligibility to appear for the exam.
- **Application Process:** The workshop guided students through the GATE application process, including important deadlines and online application procedures.

3. GATE Exam Pattern and Syllabus

- Exam Format: A deeper dive into the GATE exam format for their specific engineering disciplines was provided. This included details on:
- Number of sections (General Aptitude (GA) and subject-specific)
- Question types (Multiple Choice Questions (MCQs), Multiple Choice Questions with One or More Correct Answers (MCQs-OMCs))
- Marking scheme (positive and negative marking)
- Total exam duration
- Syllabus: The latest GATE syllabus for their branch was discussed, highlighting important topics and weightage in the exam.



4. Preparation Strategies for Final Year Students

- Recognizing the unique challenges faced by final year students with their regular academic workload, the workshop offered practical strategies for effective GATE preparation, including:
- Time Management: Techniques for efficiently managing time to accommodate GATE preparation alongside college studies were discussed.
- Prioritization: Strategies for prioritizing topics based on weightage in the exam and individual strengths/weaknesses were explored.
- Resource Utilization: Guidance on using effective resources such as textbooks, reference materials, online resources, and mock tests was provided.
- Practice and Exam Temperament: The importance of solving previous years' GATE question papers for practice and building exam temperament was emphasized.

5. Benefits of Coaching (Optional)

Sri Krishna Engineering Academy representatives presented an optional segment on the benefits of their GATE coaching program, highlighting how it can cater to the specific needs of final year students and complement their existing studies.



The GATE awareness workshop conducted by Sri Krishna Engineering Academy served as a valuable resource for final year engineering students at Mookambigai College of Engineering. The workshop provided them with comprehensive information about GATE, practical preparation strategies, and an understanding of the potential benefits of pursuing this important exam. This knowledge will empower them to make informed decisions about their future academic and career aspirations.

Participants

Final Engineering			
S.No.	AU Reg.No.	Name	Course Code
1.	812820103001	ABINAYASRI C	CE1
2.	812820103002	ARUNKUMAR R	CE1
3.	812820103003	DIVYA S	CE1
4.	812820103004	KEERTHANA M	CE1
5.	812820103005	MAHALAKSHMI R	CE1
6.	812820103307	NISANTH G	CE1

7.	812820103308	PRADEEPA G	CE1
8.	812820103309	SHEIK MISAL M	CE1
9.	812820103311	SURIYA PRIYAN B	CE1
10.	812820103312	THIVIN KUMAR S	CE1
11.	812820103313	VIGNESH WARAN S	CE1
12.	812820103314	VIJAYAKUMAR R	CE1
13.	812820104001	AARTHI M	CSE1
14.	812820104002	ABINESH R	CSE1
15.	812820104003	AJAY XAVIER M	CSE1
16.	812820104004	AMIRTHA R	CSE1
17.	812820104005	ARAVINDH N	CSE1
18.	812820104006	ARCHANA C	CSE1
19.	812820104007	ARCHANA M	CSE1
20.	812820104053	THULASI K	CSE1
21.	812820104054	VAITHESSWARI T	CSE1
22.	812820104313	PAVITHRA M	CSE1
23.	812820104314	SUGANYA A	CSE1
24.	812820104315	SUJITHA D	CSE1
25.	812820105001	BALAMURUGAN S	EEE1
26.	812820105002	DINESHKUMAR A	EEE1
27.	812820105003	JANAKIRAMAN B	EEE1
28.	812820105004	KIRUTHICKROSAN A	EEE1
29.	812820105014	SAMINATHAN S	EEE1
30.	812820105016	TAMIZHSELVAN M	EEE1
31.	812820105017	VIJAY R	EEE1
32.	812820105301	ARUN PANDIYAN M	EEE1
33.	812820105302	BALAGURU K	EEE1
34.	812820105317	SIVABALAN K	EEE1
35.	812820105319	VIJAY T	EEE1
36.	812820105320	VINOTHKUMAR A	EEE1
37.	812820106001	AJAIKUMAR C	ECE1
38.	812820106004	CHITHIRAI SELVAN M	ECE1
39.	812820106005	DEEBAN M	ECE1
40.	812820106006	DEEPA LAKSHMI S	ECE1
41.	812820106007	DHINESH M	ECE1
42.	812820106008	GOKUL K	ECE1
43.	812820106009	HARINI R	ECE1
44.	812820106010	JAYAPRAKASH B	ECE1
45.	812820106011	LOGESHWARAN P	ECE1
46.	812820106306	HARIHARAN C	ECE1
47.	812820107001	DINESH A	EIE1
48.	812820107301	KISHORE ADITHYA V	EIE1
49.	812820107302	PRATHISH KUMAR A	EIE1
50.	812820107303	SURENHIRAN K	EIE1
51.	812820107304	VENKATACHALAM M	EIE1

52.	812820107305	SEWAG GOWTHAM S	EIE1
53.	812820114001	ABARNATH M	MECH1
54.	812820114002	ARULMURUGAN U	MECH1
55.	812820114003	BALASURYA S	MECH1
56.	812820114004	BOOMINATHAN S	MECH1
57.	812820114005	HARIHARAN P	MECH1
58.	812820114006	HIRESHKUMAR S	MECH1
59.	812820114007	JAGADISH K	MECH1
60.	812820114348	YUVANSANKARRAJA K	MECH1
61.	812820114349	SURYA D	MECH1
62.	812820114350	KARUPPAIYA D	MECH1
63.	812820205001	ABIRAMI S	IT1
64.	812820205002	AJITH S	IT1
65.	812820205003	ASVIDHA S R	IT1
66.	812820205004	DHIVYADHARSHINI A	IT1
67.	812820205005	KALAIYARASAN V	IT1
68.	812820205006	KULOTHUNGAN K	IT1
69.	812820205028	VIJITHRA P	IT1

III YEAR

1.	812821103001	AKBAR B	CE1
2.	812821103002	GOPALA PON KRISHNAN P	CE1
3.	812821103003	JANA A	CE1
4.	812821103004	JEGATHISHWARAN M	CE1
5.	812821103005	KAVIARASAN A	CE1
6.	812821104002	ABISHEIK R	CSE1
7.	812821104003	ADHISESHAN C	CSE1
8.	812821104004	ANBUSELVAN S	CSE1
9.	812821104005	ANUSHA A	CSE1
10.	812821104006	ARUN PANDIYAN M	CSE1
11.	812821104007	ASHIK IBRAHIM S	CSE1
12.	812821104008	ASWIN RAM K	CSE1
13.	812821104009	ATCHAYA SRI S	CSE1
14.	812821104010	BAGAVATH R	CSE1
15.	812821104011	BASKAR R	CSE1
16.	812821104012	BRINDHA K	CSE1
17.	812821104013	DHARANI R	CSE1
18.	812821104014	DHARSHINI M	CSE1
19.	812821104015	DINAVATHI V	CSE1
20.	812821104016	ELAKKIAN D	CSE1
21.	812821104017	GAYATHRI B	CSE1
22.	812821104018	GAYATHRI S	CSE1
23.	812821104019	GOKUL PRASANNA V	CSE1
24.	812821104020	GOWTHAMI N	CSE1
25.	812821104021	GUNASEELAN D	CSE1
26.	812821104022	HARIBASKAR K	CSE1

27.	812821104023	HARIKIRUPA NS	CSE1
28.	812821104024	HARINI M	CSE1
29.	812821104025	HEMA PRIYA K	CSE1
30.	812821104051	PRIYADHARSINI L	CSE1
31.	812821104052	RAJESHKUMAR S	CSE1
32.	812821104053	RASIMATHAN M	CSE1
33.	812821104054	RENUGADEVI M	CSE1
34.	812821104055	ROSELIN BALA S	CSE1
35.	812821104056	SACHITHAN P	CSE1
36.	812821104057	SAKTHIVEL C	CSE1
37.	812821104058	SANMATHI P	CSE1
38.	812821104059	SARAVANAKUMAR S	CSE1
39.	812821104061	SHARMILA K	CSE1
40.	812821104062	SHYAM ARIVUKARASAN S	CSE1
41.	812821104063	SIBIRAJ B	CSE1
42.	812821104064	SOORYA S	CSE1
43.	812821104065	SREE THURGA P	CSE1
44.	812821104066	SRI ARAVIND R	CSE1
45.	812821105001	AAKASH C	EEE1
46.	812821105002	AANDIYAPPAN A	EEE1
47.	812821105004	AGALYA C	EEE1
48.	812821105005	AKILA P	EEE1
49.	812821105009	HARI PRAKASH R	EEE1
50.	812821105010	HARISH R	EEE1
51.	812821105011	JAYABALAN M	EEE1
52.	812821105012	JAYAPRAKASH C	EEE1
53.	812821105013	KABILAN N	EEE1
54.	812821105014	KALAISELVAN K	EEE1
55.	812821105015	KATHIRESAN N	EEE1
56.	812821105019	MOHAMED ASIQ A	EEE1
57.	812821105021	NANTHAKUMAR M	EEE1
58.	812821105022	NITHYA P	EEE1
59.	812821106005	BOOPATHIRAJAN A	ECE1
60.	812821106006	EDWIN J	ECE1
61.	812821106007	JEROME NITHICK J	ECE1
62.	812821106008	KARTHICK R	ECE1
63.	812821106009	KARTHICK S	ECE1
64.	812821106010	KARTHIKEYAN P	ECE1
65.	812821106011	KEERTHANA R	ECE1
66.	812821106012	KEERTHIKA V	ECE1
67.	812821106013	LEEMA S	ECE1
68.	812821106014	MOHAMED ASLAM A	ECE1
69.	812821106015	MOHAMED NOWSATH M	ECE1
70.	812821107001	ABIRAMI P	EIE1
71.	812821107002	GOUTHAM S	EIE1

72.	812821107003	KALAIYARASAN M	EIE1
73.	812821114006	DHINESH KUMAR T M	MECH1
74.	812821114008	GOWTHAMAN P	MECH1
75.	812821114009	JANARTHANAN S	MECH1
76.	812821114010	JAGAN RONIC M	MECH1
77.	812821114011	JEGATHEESWARAN R	MECH1
78.	812821114012	KARUPPAIYA V	MECH1
79.	812821114013	LALITH S	MECH1
80.	812821114014	PRATHAB R	MECH1
81.	812821114015	SANTHOSH A	MECH1
82.	812821114020	VEERAPRAKASH S	MECH1
83.	812821114021	VETRIVEL T	MECH1
84.	812821114022	VIGNESH G	MECH1
85.	812821114301	ASWIN S	MECH1
86.	812821114302	BHUVANESHWAR M	MECH1
87.	812821114303	GITHENDRAN V	MECH1
88.	812821114304	MOHAMED ASHWAK J	MECH1
89.	812821205005	AJAY PRAKATHISH L R	IT1
90.	812821205006	ANANDHAKUMAR S	IT1
91.	812821205007	ANNAMALAI A	IT1
92.	812821205008	ARAVINDHAN B	IT1
93.	812821205009	ARISTO T	IT1
94.	812821205010	AROCKIYA MARY W	IT1
95.	812821205011	ATHITHYA M	IT1
96.	812821205012	BRINDHA S	IT1
97.	812821205013	DHANUSHYA P	IT1
98.	812821205014	DINESH M	IT1
99.	812821205015	DONEL IMANUVEL S	IT1
100.	812821205016	GOPINATH S	IT1
101.	812821205017	HARIHARAN M	IT1
102.	812821205018	HARINI M	IT1
103.	812821205019	HARISH M	IT1
104.	812821205020	JEEVIDESH E	IT1
105.	812821205021	KARTHIK V	IT1
106.	812821205022	KARTHIKEYAN R	IT1
107.	812821205023	KARUNAKARAN D	IT1

Stephen Xavier

Dr.Y.Stephen Xavier
Coordinator

R. Elangovan

Dr.R.Elangovan
Principal



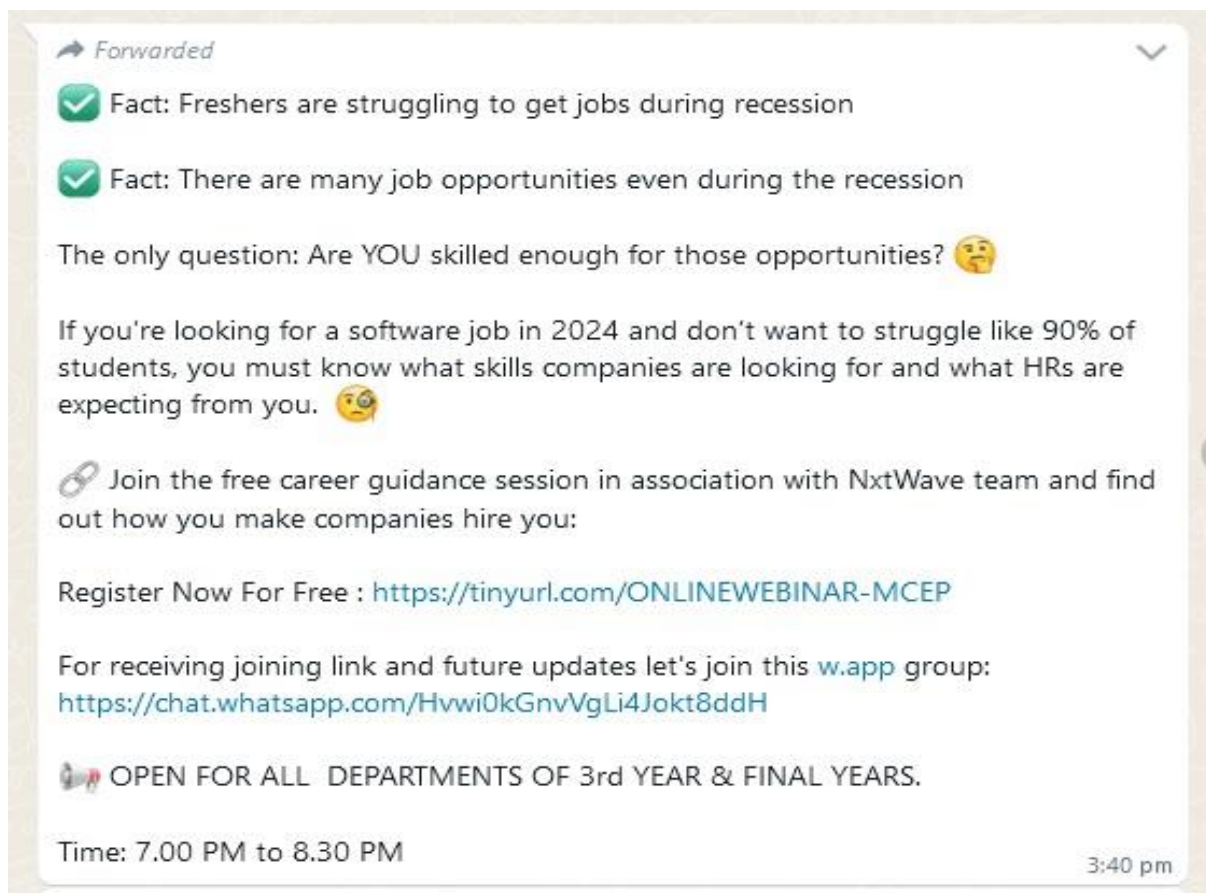
MOOKAMBIGAI COLLEGE OF ENGINEERING

SRINIVASA NAGAR, KALAMAVUR, PUDUKKOTTAI-622502.

Career Guidance and Preplacement Training Cell



REPORT ON CAREER GUIDANCE PROGRAM ON DEVELOPING SKILLS TO ACHIEVE A SOFTWARE JOB BY NXTWAVE FOR MOOKAMBIGAI COLLEGE OF ENGINEERING



Date: March 20, 2024

Venue: Online (Conducted via Virtual Platform)

Time: 7:00 PM to 8:30 PM

Organized by: Career Guidance and Pre-placement Training Cell

NxtWave, a leading name in career guidance and training for the software industry, conducted a comprehensive Career Guidance Program at Mookambigai College of Engineering on March 20, 2024. The program, held online from 7:30 PM to 8:30 PM, aimed to equip engineering students aspiring to enter the software industry with the necessary skills, knowledge, and insights to succeed in their career pursuits.

Program Overview

The Career Guidance Program was meticulously organized by the Career Guidance and Pre-placement Training Cell of Mookambigai College of Engineering. Despite being conducted online, the program covered various aspects essential for students aiming to secure jobs in the software industry, including resume building, interview preparation, technical skills enhancement, and industry insights.

Agenda:

1. **Introduction to NxtWave:** The program commenced with an introduction to NxtWave, outlining its expertise in career guidance and training for the software industry.
2. **Resume Building Workshop:** A workshop on crafting effective resumes was conducted, emphasizing the importance of highlighting skills, projects, and experiences relevant to the software industry.
3. **Technical Skills Enhancement:** Sessions were conducted to enhance technical skills required by software industry recruiters. Topics included programming languages, software development methodologies, and emerging technologies.
4. **Mock Interviews:** Mock interview sessions were organized to provide students with firsthand experience and feedback on their interview skills. This segment helped students understand interview etiquettes, common interview questions, and effective ways to respond.
5. **Industry Insights:** Representatives from leading software companies shared insights into the current trends, expectations, and recruitment processes prevalent in the software industry. This segment provided students with a realistic understanding of the industry landscape.

Feedback and Interaction:

Despite the virtual setting, the program encouraged active participation and interaction among students and trainers. Students enthusiastically engaged in the workshops, discussions, and mock interviews, demonstrating their eagerness to learn and excel in their careers.

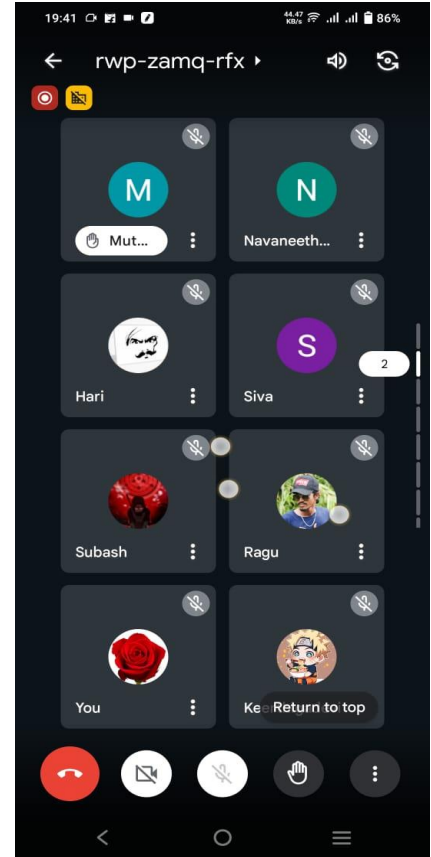
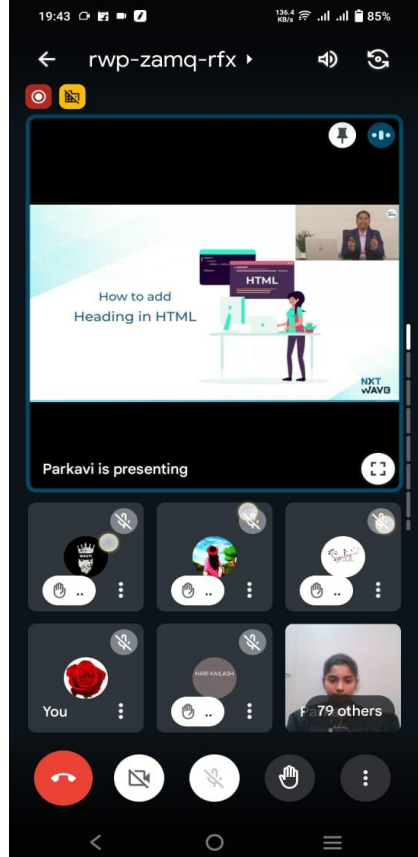
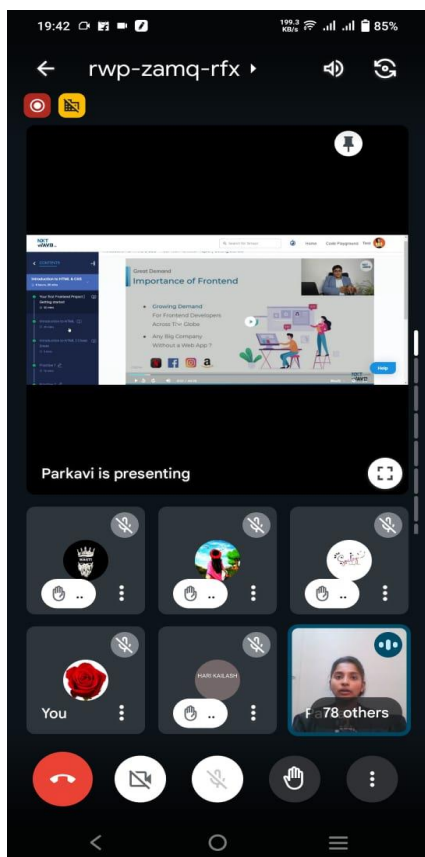
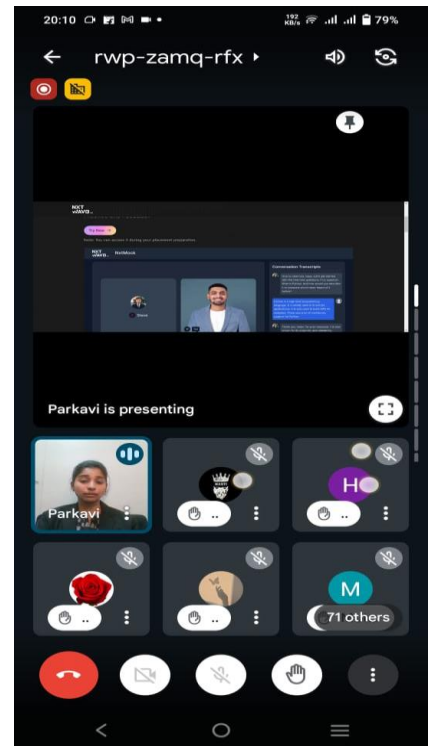
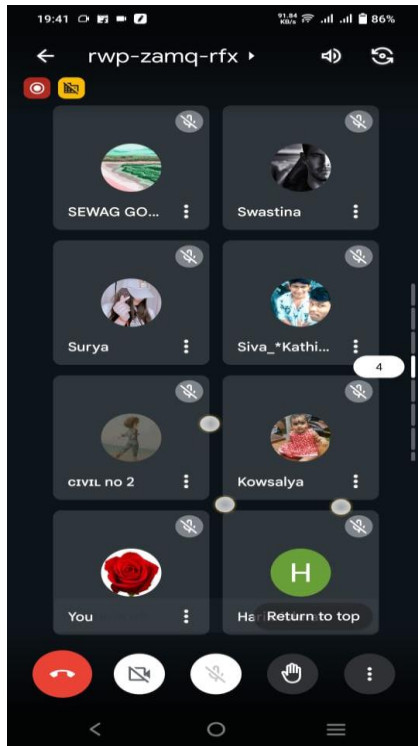
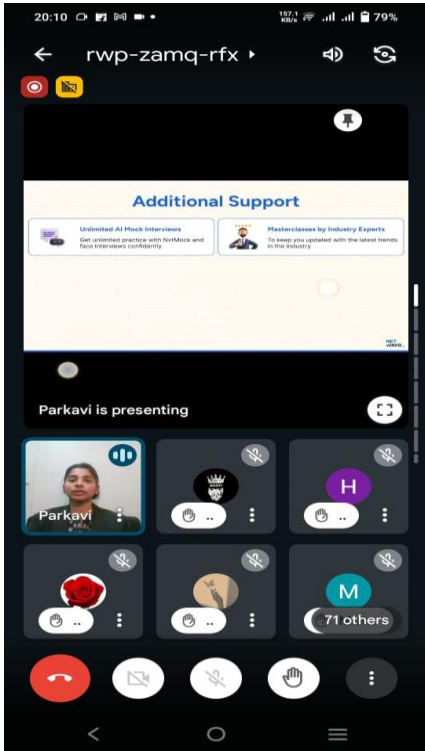
Conclusion

The Career Guidance Program conducted by NxtWave at Mookambigai College of Engineering proved to be highly beneficial for students aspiring to pursue careers in the software industry. Through workshops, interactive sessions, and industry insights, students gained valuable knowledge and skills essential for their professional growth. The program received positive feedback from both students and faculty members, affirming its effectiveness in preparing students for successful careers in the software industry.

Acknowledgment

We extend our gratitude to NxtWave for their invaluable contribution to the Career Guidance Program. We also thank the faculty members, students, and staff of Mookambigai College of Engineering for their active participation and support in making the program a success.

More than 75 students participated in the programme



Stephen Xavier

Dr. Y. Stephen Xavier
Coordinator

R. Elangovan

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Principal



MOOKAMBIGAI COLLEGE OF ENGINEERING

SRINIVASA NAGAR, KALAMAVUR, PUDUKKOTTAI-622502.

Career Guidance and Preplacement Training Cell



REPORT ON THE TRAINING CLASSES CONDUCTED FOR THE THIRD AND FINAL YEAR ENGINEERING STUDENTS (BATCH 2020-24 AND 2021-25)

Introduction

This report details the programming training program conducted by the Career Guidance and Preplacement Training Cell of Mookambigai College of Engineering for the benefit of Third (2021-25 batch) and final year (2023-24) engineering students with no standing arrears in the 5th, 6th, 7th and 8th semesters. The program equipped students with in-demand programming skills, focusing on C, C++, and Java, during the academic year 2022-23 (September to November 2022 and Feb to June 2023).

Course Structure

- **Semester:** Odd & Even
- **Target Audience:** Third Year (2019-23 batch) Final year engineering students (2018-22 batch) with no standing arrears in 5th, 6th, 7th and 8th semesters.
- **Resource Persons:**
 - Mrs. Sharmila M.E.,
 - Ms. Jayashree M.E., and
 - Ms. Pavithra M.E.
- **Course Languages:** C (Odd Semester), C++ & Java (Even Semester)
- **Evaluation:** Three Tests per Semester (C, C++, and Java)

Course Content

C SYLLABUS

1. Introduction to C
2. C Fundamentals
3. Formatted Input/Output
4. Expression
5. Selection Statement
6. Loops
7. Arrays
8. Functions
9. Pointers
10. Pointers and Arrays
11. Structure and Union
12. Files

C ++ SYLLABUS

1. C++ Syllabus
2. C++ Overview
3. Functions and Variables
4. Class in C++
5. Constructor and Destructor
6. Operator Overloading
7. Array
8. Pointer
9. String and Dynamic
10. Memory

11. Inheritance
12. Polymorphism
13. Input and Output in C++ Programs

OOPS CONCEPTS

JAVA Java Syllabus

1. Java Fundamentals
2. Oops Concepts
3. Access Specifiers, Static Members
4. Inheritance
5. Interface
6. Polymorphism
7. Packages
8. Exception Handling
9. Multithreading
10. I/O, Generics, String Handling

Course Objectives

- Equip students with a strong foundation in C programming.
- Impart knowledge of object-oriented programming principles in C++.
- Develop proficiency in Java programming for building applications.
- Enhance students' problem-solving abilities and coding skills.
- Increase their employability in the software development industry.

Course Methodology

The program likely adopted a blended learning approach similar to previous semesters:

- **Interactive Lectures:** The resource persons delivered lectures on core concepts, principles, and object-oriented programming specific to each language.
- **Hands-on Sessions:** Students participated in practical coding exercises to solidify their understanding and gain experience in developing C, C++, and Java programs.
- **Doubt-clearing Sessions:** Dedicated time was allocated to address student questions and resolve any conceptual difficulties.

Course Assessment

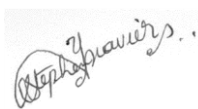
Students' performance was evaluated through three semester-based tests:

- **C Test:** Assessed understanding of C programming fundamentals.
- **C++ Test:** Evaluated grasp of object-oriented programming concepts in C++.
- **Java Test:** Measured proficiency in core Java and advanced Java concepts.
 - The test formats likely included a combination of multiple-choice questions, coding problems, and short answer questions.

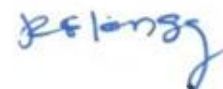
Expected Outcomes

By successfully completing the training program, students were expected to achieve the following:

- Possess a strong understanding of C programming concepts.
- Apply object-oriented programming principles to develop C++ applications.
- Build robust applications using their acquired Java programming skills.
- Effectively solve problems and translate solutions into well-structured code.
- Stand out from the competition in the job market with their diverse programming skillset.



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