



CITY
ENGINEERING COLLEGE

DEPARTMENT OF MECHANICAL ENGINEERING
REPORT OF COURSE ON ADVANCE PIPE STRESS ANALYSIS

During the academic year 2019-20, the Department of Mechanical Engineering organized a Course on Advance pipe Stress Analysis from 7th to 11th October 2019 at Seminar Hall of the Computer Science Department for final year Mechanical engineering students.



Fig:1 Shri Chetan K delivering the speech to students

The Piping Engineering responsibilities overlap into the professional engineering areas of Mechanical Engineering, Chemical Engineering, Fire Protection Engineering, and Process Engineering. Traditionally the Pipe Stress analysis performs the calculations, sizes the equipment, and prepares the design and construction documents under the supervision of a licensed Mechanical, Fire Protection or Civil, Professional Engineer in the following stages:

- Design of Process and Fluid Flow Systems
- Design of Plumbing Systems
- Design of Heat and Energy Transfer Systems.

On 11th October 2019, the students accompanied with Faculty members visited M/s. Supreme Industries located at Nelamangala.M/s. Supreme Industries is the renowned leader of India's plastic industry having valuable experience in providing innovative and cost-effective piping solution. The company's objective is to meet the growing needs in the field of water, waste management and infrastructure sector through specially developed high-performance range of piping products. This industry has played vital role in transformation of conventional piping products to advance piping products in the country and termed as "Trend setters in plastic piping" and is prominently strong in piping segment.

Course Coordinator

Mr. Veeresh Naik
Assistant Professor
Department of Mechanical Engineering

HOD

Dr.S.Karunakara
HOD
Department of Mechanical Engineering



Department of Mechanical Engineering
Course on Advance Pipe Stress Analysis

Course Objectives

After completion of the course, the trainees should be able to:

1. Get familiarising with the tools and equipment.
2. Gain knowledge about tools, equipment & material used in piping work.
3. Gain knowledge about different types of pipes and fittings.
4. Acquire knowledge about skills how to install various types of WCs with flushing cistern, wash basin, sink etc. & their connection with water supply line.

Course Outcomes

The students will be able to:

1. Use of various plumbing tools and equipment while doing plumbing work.
2. Install and repair water supply/waste water drainage line and sanitary fittings and fixtures.
3. Various safety rules related to plumbing work.
4. Timely rectification of the problem/issue.
5. Negotiation skills.

Course Coordinator

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DEPARTMENT OF CIVIL ENGINEERING

REPORT OF COURSE ON PLUMBING

During the academic year 2019-20, the Department of Civil Engineering organized a Course on Plumbing from 7th to 11th October 2019 at Sir M. Visvesvaraya Seminar Hall of the Civil Department for final year civil engineering students.



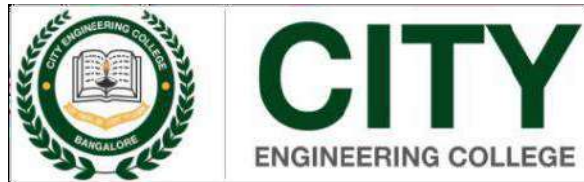
Fig:1 Shri K.L. Mohan Rao delivering the speech to students



Fig:2 Photo with Supreme Industries Resource person

The Plumbing Engineering responsibilities overlap into the professional engineering areas of Civil Engineering, Mechanical Engineering, Chemical Engineering, Fire Protection Engineering, and Process Engineering. Traditionally the Plumbing Engineer performs the calculations, sizes the equipment, and prepares the plumbing design and construction documents under the supervision of a licensed Mechanical, Fire Protection or Civil, Professional Engineer in the following stages:

- Design of Process and Fluid Flow Systems
- Design of Plumbing Systems
- Design of Heat and Energy Transfer Systems.



Doddakallasandra, Bangalore-560061

The Plumbing Engineer supports the Civil Engineer for the plumbing systems outside the building including storm water, sewer, natural gas, fire suppression water, domestic water, irrigation water, and other special water and waste systems.

The function started with formal invocation. The invocation song has sung by Ms. Neha Mukundan, a student of 5th semester civil engineering, Mrs. Vidyadhare, Asst. Professor welcomed the guests. Ms. Gayathri, R.V. introduced the resource persons. Dr. H.N. Thippeswamy, Professor & HOD emphasized the importance of Course for the final year students. Shri K.L. Mohan Rao, Chairman, Skill Development Builders Association of India and President, Construction Industry Development Academy, Bangalore and his associates from M/s. Supreme Industries, Bangalore delivered lectures on the role of various stages of plumbing in the field of civil engineering. Dr. V.S. Ramamurthy, Principal, City Engineering College addressed the students and advised for future challenges in the field of civil engineering including plumbing engineering. Dr. P. Nagabhushan gave vote of thanks.



Fig:3 Visit to Supreme Industries

On 11th October 2019, the students accompanied with Faculty members Dr. P. Nagabhushan and Mr. Vinay Kumar S N visited M/s. Supreme Industries in Nelamangala in college bus. M/s. Supreme Industries is the renowned leader of India's plastic industry having valuable experience in providing innovative and cost-effective piping solution. The company's objective is to meet the growing needs in the field of water, waste management and infrastructure sector through specially developed high-performance range of piping products. This industry has played vital role in transformation of conventional piping products to advance piping products in the country and termed as "Trend setters in plastic piping" and is prominently strong in piping segment. The resource persons have explained the various sizes of pvc pipes and their fittings in different sizes which are using in the plumbing and sanitary engineering.

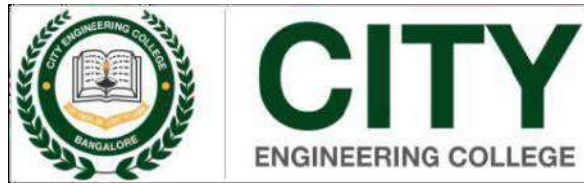
Mr. Vinay Kumar S N

Mr. Vinay Kumar S N
Course Coordinator
Assistant Professor
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Dr. Thippeswamy H N

Dr. Thippeswamy H N
HOD
Department of Civil Engineering



Doddakallasandra, Bangalore-560061

Department of Civil Engineering

Course on Plumbing

Course Objectives

After completion of the course, the trainees should be able to:

1. Get familiarising with the tools and equipment.
2. Gain knowledge about tools, equipment & material used in plumbing work.
3. Gain knowledge about different types of pipes and fittings.
4. Acquire knowledge about skills how to install various types of WCs with flushing cistern, wash basin, sink etc. & their connection with water supply line.

Course Outcomes

The students will be able to:

1. Use of various plumbing tools and equipment while doing plumbing work.
2. Install and repair water supply/waste water drainage line and sanitary fittings and fixtures.
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4. Timely rectification of the problem/issue.
5. Negotiation skills.

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CITY ENGINEERING COLLEGE
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CITY
ENGINEERING COLLEGE

Department of Computer Science and Engineering

A Report on Certificate course on Engineer Your Career

A value-added course on Engineer your Career was organised by the Department of Computer Science and Engineering from 16-09-2019 to 20-01-2019 for final year B.E. Computer Science and Engineering students in the online mode.

Day 1: Resume Writing and Personal Branding

Participants started by learning the fundamentals of resume writing, understanding its critical role in job applications. They explored the structure and components necessary for crafting a professional resume tailored to different job profiles. In the afternoon session on personal branding, students delved into strategies for building a compelling personal brand. Practical exercises included optimizing LinkedIn profiles and establishing a strong online presence to enhance their visibility to potential employers.

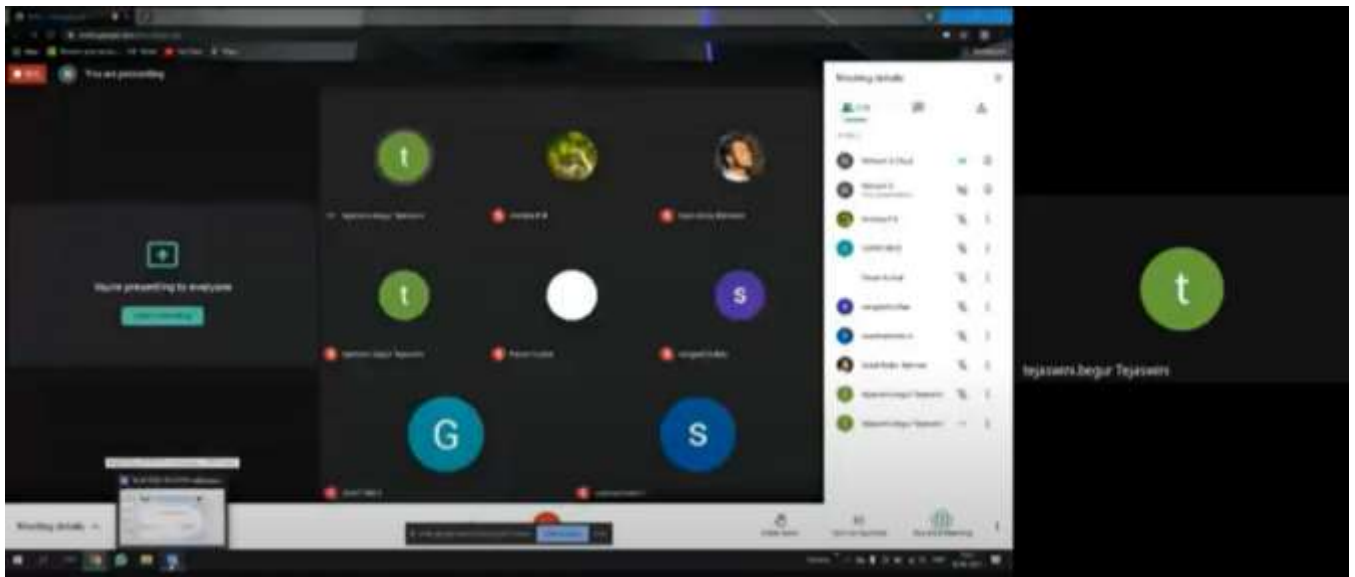


FIG 3:SCREENSHOT OF SESSION

Day 2: Aptitude and Technical Test Preparation

The day began with intensive sessions on quantitative aptitude, covering essential topics such as arithmetic, algebra, geometry, and data interpretation. Students learned problem-solving techniques crucial for acing aptitude tests. The focus then shifted to logical reasoning, where participants tackled puzzles, sequences, analogies, and syllogisms. In the technical test preparation segment, students reviewed core engineering subjects and practiced solving technical problems typical of placement exams.



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Day 3: Soft Skills and Group Discussions

Communication skills took center stage as participants honed their ability to communicate effectively in professional settings. They practiced verbal and non-verbal communication techniques and engaged in exercises to improve public speaking and presentation skills. In the afternoon, students participated in interactive group discussions, learning strategies for active participation, idea articulation, and respectful debate. Real-time feedback sessions helped refine their discussion skills.

Day 4: Interview Techniques and Mock Interviews

Students prepared thoroughly for various types of interviews, including HR, technical, and behavioral interviews. They studied common interview questions, crafted compelling responses, and researched prospective employers to tailor their answers effectively. Mock interviews conducted by industry professionals provided invaluable experience. Participants received constructive feedback on their performance, enabling them to fine-tune their responses, build confidence, and reduce anxiety ahead of real interviews.

Day 5: Professional Etiquette and Career Planning

The final day focused on professional etiquette and career planning. Participants learned about workplace etiquette, including appropriate behavior and attire. Networking strategies were discussed, emphasizing the importance of building professional relationships. In the career planning session, students identified their career goals, created personal career roadmaps, and developed plans for continuous learning and professional development to ensure long-term career success.

The course equipped participants with essential skills and knowledge required to excel in the competitive job market. From mastering resume writing and personal branding to enhancing aptitude, technical skills, and soft skills like communication and group discussion, students gained confidence and readiness for interviews through mock interview practice. Professional etiquette and effective career planning strategies ensured that participants were well-prepared to embark on successful engineering careers.

CO-Ordinator
Mrs. Laxmi M C

Mr. Vivekavardhana Reddy
HOD

Dr. V S Ramamurthy
PRINCIPAL



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Course Outcomes:

- Develop a professional resume and strong online presence
- Enhance aptitude and technical test-taking skills
- Improve communication skills and group discussion techniques
- Master interview techniques and gain confidence through mock interviews
- Understand professional etiquette and plan for a successful career

Co-Ordinator
Mr. Laxmi M C

Mr. Vivekavardhana Reddy
HOD