

**CRITERIA 1****1.1.1 The Institution ensures effective curriculum delivery through a well-planned and documented****INDEX**

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# JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

Pichanur, Coimbatore-641 105 Tamil Nadu INDIA Phone: +91 422 2636900 Fax: +91 422 2636901 Email: [info@jct.ac.in](mailto:info@jct.ac.in) [www.jct.ac.in](http://www.jct.ac.in)



# ACADEMIC SCHEDULE

**CENTRE FOR ACADEMIC COURSES**

ANNA UNIVERSITY: : CHENNAI – 600 025

**ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES****August 2022 – December 2022 (ODD SEMESTER – Except Semester III)****UG Programmes**

| Sl. No | Programme                | Semester   | Commencement of Classes | Last working day |              | Commencement of Practical Examinations |            | Commencement of End Semester Examinations |            |
|--------|--------------------------|------------|-------------------------|------------------|--------------|--|------------|---|------------|
|        |                          |            |                         | Existing         | Revised      | Existing                               | Revised    | Existing                                  | Revised    |
| 1.     | B.E / B.Tech (Full-Time) | V, VII     | 10.08.2022              | 19.11.2022       | 06.12.2022** | 21.11.2022                             | 18.01.2023 | 01.12.2022                                | 08.12.2022 |
| 2.     | B.E / B.Tech (Part-Time) | V, VII     | 10.08.2022              | 19.11.2022       | -            | 21.11.2022                             | -          | 01.12.2022                                | -          |
| 3.     | B Arch. (Full-Time)      | V, VII, IX |                         |                  |              |  |            |   |            |

**RE - OPENING DAY FOR THE NEXT SEMESTER: 30.01.2023 (Monday)****NOTE:**

1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

**\*\* In order to ensure minimum no. of working days, the following Saturdays are declared as working days.**

| Sl. No. | Working Days (Saturdays) | Time Table of the Week Day to be Followed |
|---------|--------------------------|---|
| 1.      | 20.08.2022               | Monday                                    |
| 2.      | 03.09.2022               | Friday                                    |
| 3.      | 17.09.2022               | Wednesday                                 |
| 4.      | 15.10.2022               | Tuesday                                   |
| 5.      | 29.10.2022               | Wednesday                                 |

| Sl. No. | Working Days (Saturdays) | Time Table of the Week Day to be Followed |
|---------|--------------------------|---|
| 6.      | 05.11.2022               | Monday                                    |
| 7.      | 12.11.2022               | Tuesday                                   |
| 8.      | 19.11.2022               | Wednesday                                 |
| 9.      | 26.11.2022**             | Thursday                                  |
| 10.     | 03.12.2022**             | Friday                                    |

  
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**CENTRE FOR ACADEMIC COURSES****ANNA UNIVERSITY: : CHENNAI – 600 025****REVISED****ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES****February 2023 – June 2023 (Even Semester – Except Semester II)****UG / PG (FT/PT) Degree Programmes**

| Sl. No. | Programme                     | Semester     | Commencement of Classes | Last working day |               | Commencement of Practical Examinations |            | Commencement of End Semester Examinations |            |
|---------|-------------------------------|--------------|-------------------------|------------------|---------------|--|------------|---|------------|
|         |                               |              |                         | Existing         | Revised       | Existing                               | Revised*   | Existing                                  | Revised*   |
| 1.      | B.E. / B Tech.(Full-Time)     | IV,VI        | 06.02.2023              | 12.05.2023       | 24.05.2023*** | 15.05.2023                             | 26.05.2023 | 26.05.2023                                | 05.06.2023 |
| 2.      | B.E. / B Tech (Full-Time)     | VIII         | 06.02.2023              | 12.05.2023**     | -             | 15.05.2023                             | -          | 26.05.2023                                | -          |
| 3.      | B Arch. (Full-Time)           | IV,VI,VIII,X |                         |                  |               |  |            |   |            |
| 4.      | B.E. / B.Tech. (Part-Time)    | IV,VI        |                         |                  |               |  |            |   |            |
| 5.      | M.B.A.(Full-Time & Part-Time) | IV           |                         |                  |               |  |            |   |            |
| 6.      | M.B.A. (5 Yrs-Integrated)     | IV,VI,VIII,X |                         |                  |               |  |            |   |            |


**RE - OPENING DAY FOR THE NEXT SEMESTER: 07.08.2023 (Monday)****\* To provide additional classes for Skill Based Courses.****NOTE:**

- The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
- If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

**\*\* In order to ensure minimum no. of working days, the following Saturdays are declared as working days.**

| Sl. No. | Working Days (Saturdays) | Time Table of the Week Day to be Followed |
|---------|--------------------------|---|
| 1.      | 11.02.2023               | Monday                                    |
| 2.      | 18.02.2023               | Tuesday                                   |
| 3.      | 25.02.2023               | Wednesday                                 |
| 4.      | 04.03.2023               | Thursday                                  |
| 5.      | 11.03.2023               | Friday                                    |
| 6.      | 18.03.2023               | Monday                                    |

| Sl. No. | Working Days (Saturdays) | Time Table of the Week Day to be Followed |
|---------|--------------------------|---|
| 7.      | 25.03.2023               | Tuesday                                   |
| 8.      | 01.04.2023               | Wednesday                                 |
| 9.      | 29.04.2023               | Thursday                                  |
| 10.     | 06.05.2023               | Friday                                    |
| 11.     | 13.05.2023               | Monday***                                 |
| 12.     | 20.05.2023               | Tuesday***                                |

  
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# ACADEMIC CALENDAR

**DEPARTMENT OF COMPUTER SCIENCE AND BUSINESS SYSTEMS**  
**Academic calendar - 2022-2023**  
**ODD Semester**

| <b>JCT COLLEGE OF ENGINEERING AND TECHNOLOGY</b>                                      |            |  |                   |  |
|---|------------|--|-------------------|--|
| <b>PICHANUR, COIMBATORE -641 105</b>  |            |  |                   |  |
| <b>Academic Calendar for III ,V and VII Sem B.E/B.Tech for ODD Semester 2022-2023</b> |            |  |                   |  |
| <b>Date</b>   | <b>Day</b> | <b>Particulars</b>                     | <b>Total Days</b> |  |
| 10.08.2022  | WED        | Commencement of Classes                | 01                |  |
| 11.08.2022  | THU        |  | 02                |  |
| 12.08.2022  | FRI        |  | 03                |  |
| 13.08.2022  | SAT        |  | 04                |  |
| 14.08.2022  | SUN        | Holiday                                |                   |  |
| 15.08.2022  | MON        | Independence day                       |                   |  |
| 16.08.2022  | TUE        |  | 05                |  |
| 17.08.2022  | WED        |  | 06                |  |
| 18.08.2022  | THU        |  | 07                |  |
| 19.08.2022  | FRI        | Krishna Jayanthi                       |                   |  |
| 20.08.2022  | SAT        | Holiday                                |                   |  |
| 21.08.2022  | SUN        | Holiday                                |                   |  |
| 22.08.2022  | MON        |  | 08                |  |
| 23.08.2022  | TUE        |  | 09                |  |
| 24.08.2022  | WED        |  | 10                |  |
| 25.08.2022  | THU        |  | 11                |  |
| 26.08.2022  | FRI        |  | 12                |  |
| 27.08.2022  | SAT        |  | 13                |  |
| 28.08.2022  | SUN        | Holiday                                |                   |  |
| 29.08.2022  | MON        |  | 14                |  |
| 30.08.2022  | TUE        | CLASS COMMITTEE MEETING-I              | 15                |  |
| 31.08.2022  | WED        | VinayagarChaturthi                     |                   |  |
|   |            | <b>Total Working days</b>              | <b>15</b>         |  |
| <b>Date</b>   | <b>Day</b> | <b>Particulars</b>                     | <b>Total Days</b> |  |
| 01.09.2022  | THU        |  | 16                |  |
| 02.09.2022  | FRI        | Association Inauguration/Guest Lecture | 17                |  |

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**DEPARTMENT OF COMPUTER SCIENCE AND BUSINESS SYSTEMS**  
**Academic calendar - 2022-2023**  
**ODD Semester**

|            |     |   |           |
|------------|-----|---|-----------|
| 03.09.2022 | SAT |   | 18        |
| 04.09.2022 | SUN | <b>Holiday</b>                            |           |
| 05.09.2022 | MON |   | 19        |
| 06.09.2022 | TUE |   | 20        |
| 07.09.2022 | WED |   | 21        |
| 08.09.2022 | THU | <b>Onam</b>                               |           |
| 09.09.2022 | FRI |   | 22        |
| 10.09.2022 | SAT |   | 23        |
| 11.09.2022 | SUN | <b>Holiday</b>                            |           |
| 12.09.2022 | MON |   | 24        |
| 13.09.2022 | TUE |   | 25        |
| 14.09.2022 | WED | <b>CIA TEST-I</b>                         | 26        |
| 15.09.2022 | THU | <b>CIA TEST-I</b>                         | 27        |
| 16.09.2022 | FRI | <b>CIA TEST-I</b>                         | 28        |
| 17.09.2022 | SAT | <b>Holiday</b>                            |           |
| 18.09.2022 | SUN | <b>Holiday</b>                            |           |
| 19.09.2022 | MON | <b>CLASS COMMITTEE MEETING-II</b>         | 29        |
| 20.09.2022 | TUE | <b>Guest Lecture</b>                      | 30        |
| 21.09.2022 | WED |   | 31        |
| 22.09.2022 | THU | <b>INTIMATION LETTERS TO PARENTS</b>      | 32        |
| 23.09.2022 | FRI | <b>SEMINAR</b>                            | 33        |
| 24.09.2022 | SAT |   | 34        |
| 25.09.2022 | SUN | <b>Holiday</b>                            |           |
| 26.09.2022 | MON |   | 35        |
| 27.09.2022 | TUE | <b>MOU</b>                                | 36        |
| 28.09.2022 | WED | <b>Workshop on Data Science/Analytics</b> | 37        |
| 29.09.2022 | THU | <b>Workshop on Data Science/Analytics</b> | 38        |
| 30.09.2022 | FRI | <b>Workshop on Data Science/Analytics</b> | 39        |
|            |     | <b>Total Working days</b>                 | <b>24</b> |

| Date | Day | Particulars | Total Days |
|------|-----|-------------|------------|
|------|-----|-------------|------------|

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**DEPARTMENT OF COMPUTER SCIENCE AND BUSINESS SYSTEMS**  
**Academic calendar - 2022-2023**  
**ODD Semester**

|             |            |                                      |                   |  |
|-------------|------------|--------------------------------------|-------------------|--|
| 01.10.2022  | SAT        |                                      | 40                |  |
| 02.10.2022  | SUN        | <b>GANDHI JAYANTHI</b>               |                   |  |
| 03.10.2022  | MON        |                                      | 41                |  |
| 04.10.2022  | TUE        | <b>Pooja Holiday</b>                 |                   |  |
| 05.10.2022  | WED        | <b>Pooja Holiday</b>                 |                   |  |
| 06.10.2022  | THU        |                                      | 42                |  |
| 07.10.2022  | FRI        |                                      | 43                |  |
| 08.10.2022  | SAT        |                                      | 44                |  |
| 09.10.2022  | SUN        | <b>MiladiNabi</b>                    |                   |  |
| 10.10.2022  | MON        |                                      | 45                |  |
| 11.10.2022  | TUE        |                                      | 46                |  |
| 12.10.2022  | WED        | <b>SEMINAR</b>                       | 47                |  |
| 13.10.2022  | THU        |                                      | 48                |  |
| 14.10.2022  | FRI        |                                      | 49                |  |
| 15.10.2022  | SAT        | <b>Holiday</b>                       |                   |  |
| 16.10.2022  | SUN        | <b>Holiday</b>                       |                   |  |
| 17.10.2022  | MON        |                                      | 50                |  |
| 18.10.2022  | TUE        |                                      | 51                |  |
| 19.10.2022  | WED        | <b>CIA TEST-II</b>                   | 52                |  |
| 20.10.2022  | THU        | <b>CIA TEST-II</b>                   | 53                |  |
| 21.10.2022  | FRI        | <b>CIA TEST-II</b>                   | 54                |  |
| 22.10.2022  | SAT        |                                      | 55                |  |
| 23.10.2022  | SUN        | <b>Holiday</b>                       |                   |  |
| 24.10.2022  | MON        | <b>Deepavali</b>                     |                   |  |
| 25.10.2022  | TUE        |                                      | 56                |  |
| 26.10.2022  | WED        | <b>CLASS COMMITTEE MEETING-III</b>   | 57                |  |
| 27.10.2022  | THU        | <b>Guest Lecture</b>                 | 58                |  |
| 28.10.2022  | FRI        | <b>INTIMATION LETTERS TO PARENTS</b> | 59                |  |
| 29.10.2022  | SAT        |                                      | 60                |  |
| 30.10.2022  | SUN        | <b>Holiday</b>                       |                   |  |
| 31.10.2022  | MON        |                                      | 61                |  |
|             |            | <b>Total Working days</b>            | <b>22</b>         |  |
| <b>Date</b> | <b>Day</b> | <b>Particulars</b>                   | <b>Total Days</b> |  |

  
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**DEPARTMENT OF COMPUTER SCIENCE AND BUSINESS SYSTEMS**  
**Academic calendar - 2022-2023**  
**ODD Semester**

|            |     |  |           |
|------------|-----|--|-----------|
| 01.11.2022 | TUE |  | 62        |
| 02.11.2022 | WED |  | 63        |
| 03.11.2022 | THU |  | 64        |
| 04.11.2022 | FRI | <b>SEMINAR</b>                                   | 65        |
| 05.11.2022 | SAT |  | 66        |
| 06.11.2022 | SUN | <b>Holiday</b>                                   |           |
| 07.11.2022 | MON |  | 67        |
| 08.11.2022 | TUE |  | 68        |
| 09.11.2022 | WED | <b>Workshop on R Programming</b>                 | 69        |
| 10.11.2022 | THU | <b>Workshop on R Programming</b>                 | 70        |
| 11.11.2022 | FRI | <b>Workshop on R Programming</b>                 | 71        |
| 12.11.2022 | SAT |  | 72        |
| 13.11.2022 | SUN | <b>Holiday</b>                                   |           |
| 14.11.2022 | MON | <b>CIA TEST-III</b>                              | 73        |
| 15.11.2022 | TUE | <b>CIA TEST-III</b>                              | 74        |
| 16.11.2022 | WED | <b>CIA TEST-III</b>                              | 75        |
| 17.11.2022 | THU |  | 76        |
| 18.11.2022 | FRI | <b>INTIMATION LETTERS TO PARENTS</b>             | 77        |
| 19.11.2022 | SAT | <b>LAST WORKING DAY</b>                          | 78        |
| 20.11.2022 | SUN | <b>Holiday</b>                                   |           |
|            |     | <b>Total Working days</b>                        | <b>17</b> |
| 21.11.2022 | MON | <b>Commencement of Practical Examinations</b>    |           |
| 22.11.2022 | TUE |  |           |
| 23.11.2022 | WED |  |           |
| 24.11.2022 | THU |  |           |
| 25.11.2022 | FRI |  |           |
| 26.11.2022 | SAT |  |           |
| 27.11.2022 | SUN | <b>Holiday</b>                                   |           |
| 28.11.2022 | MON |  |           |
| 29.11.2022 | TUE |  |           |
| 30.11.2022 | WED |  |           |
| 01.12.2022 | THU | <b>Commencement of End Semester Examinations</b> |           |

**DEPARTMENT OF COMPUTER SCIENCE AND BUSINESS SYSTEMS**  
**Academic calendar - 2022-2023**  
**ODD Semester**

|            |     |  |  |  |
|------------|-----|--|--|--|
| 02.12.2022 | FRI |  |  |  |
|------------|-----|--|--|--|

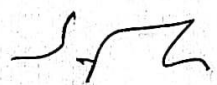
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**Academic Calendar for III, B.Tech (EVEN Semester 2022-2023)**

| Date                      | Day     | Particulars  | Total Days |
|---------------------------|---------|--|------------|
| 23.01.2023-27.01.2023     | Mon-Fri | Faculty Development Programme-One week                   |            |
| 30.01.2023                | MON     | College Reopens for III, IV B.E./B.Tech - Even Semester  | 1          |
| 31.01.2023                | TUE     | Research Talk  | 2          |
| <b>Total Working days</b> |         |  | <b>2</b>   |
| Date                      | Day     | Particulars  | Total Days |
| 01-02-2023                | WED     | College Reopens for II B.E./B.Tech - Even Semester       | 3          |
| 02-02-2023                | THU     |  | 4          |
| 03-02-2023                | FRI     |  | 5          |
| 04-02-2023                | SAT     | Mobile Application Development workshop/World Cancer Day | 6          |
| 05-02-2023                | SUN     | HOLIDAY  |            |
| 06-02-2023                | MON     |  | 7          |
| 07-02-2023                | TUE     |  | 8          |
| 08-02-2023                | WED     |  | 9          |
| 09-02-2023                | THU     |  | 10         |
| 10-02-2023                | FRI     | Industrial Visit   | 11         |
| 11-02-2023                | SAT     | HOLIDAY  | 12         |
| 12-02-2023                | SUN     | HOLIDAY  |            |
| 13-02-2023                | MON     |  | 13         |
| 14-02-2023                | TUE     |  | 14         |
| 15-02-2023                | WED     |  | 15         |
| 16-02-2023                | THU     |  | 16         |
| 17-02-2023                | FRI     | Two Days workshop on Machine Learning                    | 17         |
| 18-02-2023                | SAT     |  | 18         |
| 19-02-2023                | SUN     | HOLIDAY  |            |
| 20-02-2023                | MON     | Long Day of Semester                                     | 19         |
| 21-02-2023                | TUE     |  | 20         |
| 22-02-2023                | WED     |  | 21         |
| 23-02-2023                | THU     |  | 22         |
| 24-02-2023                | FRI     |  | 23         |
| 25-02-2023                | SAT     | Artificial Intelligence workshop                         | 24         |
| 26-02-2023                | SUN     | HOLIDAY  |            |
| 27-02-2023                | MON     | CIA I Examination for IV Year/MAGAZINE RELEASING         | 25         |
| 28-02-2023                | TUE     |  | 26         |
| <b>Total Working days</b> |         |  | <b>24</b>  |

  
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| Date               | Day | Particulars   | Total Days |
|--------------------|-----|---|------------|
| 1-03-2023          | WED |   | 27         |
| 2-03-2023          | THU |   | 28         |
| 3-03-2023          | FRI |   | 29         |
| 4-03-2023          | SAT | Data Science Workshop   | 30         |
| 5-03-2023          | SUN | HOLIDAY   |            |
| 6-03-2023          | MON |   | 31         |
| 7-03-2023          | TUE |   | 32         |
| 8-03-2023          | WED |   | 33         |
| 9-03-2023          | THU | CIA I Examination for II Year and III year  | 34         |
| 10-03-2023         | FRI | Hackthon /Project Contest   | 35         |
| 11-03-2023         | SAT |   | 36         |
| 12-03-2023         | SUN | HOLIDAY   |            |
| 13-03-2023         | MON |   | 37         |
| 14-03-2023         | TUE |   | 38         |
| 15-03-2023         | WED | Web portal Entry I for III year and IV Year   | 39         |
| 16-03-2023         | THU |   | 40         |
| 17-03-2023         | FRI |   | 41         |
| 18-03-2023         | SAT |   | 42         |
| 19-03-2023         | SUN | HOLIDAY   |            |
| 20-03-2023         | MON | International Day of Happiness  | 43         |
| 21-03-2023         | TUE | Web portal Entry I for II year /web portal entry II for III, IV Year/International Day of Forests | 44         |
| 22-03-2023         | WED | TELUGU NEW YEAR DAY   |            |
| 23-03-2023         | THU |   | 45         |
| 24-03-2023         | FRI |   | 46         |
| 25-03-2023         | SAT |   | 47         |
| 26-03-2023         | SUN | HOLIDAY   |            |
| 27-03-2023         | MON |   | 48         |
| 28-03-2023         | TUE |   | 49         |
| 29-03-2023         | WED |   | 50         |
| 30-03-2023         | THU |   | 51         |
| 31-03-2023         | FRI | NEWS LETTER RELEASING   | 52         |
| Total Working days |     |   | 26         |

  
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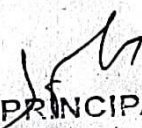
| Date       | Day | Particulars                              | Total Days |
|------------|-----|--|------------|
| 1-04-2023  | SAT |  | 53         |
| 2-04-2023  | SUN | HOLIDAY                                  |            |
| 3-04-2023  | MON |  | 54         |
| 4-04-2023  | TUE | MAHAVEERJAYANTHI                         |            |
| 5-04-2023  | WED |  | 55         |
| 6-04-2023  | THU |  | 56         |
| 7-04-2023  | FRI | GOOD FRIDAY/World Health Day             |            |
| 8-04-2023  | SAT |  | 57         |
| 9-04-2023  | SUN | HOLIDAY                                  |            |
| 10-04-2023 | MON |  | 58         |
| 11-04-2023 | TUE | CIA II Examination for III year          | 59         |
| 12-04-2023 | WED |  | 60         |
| 13-04-2023 | THU |  | 61         |
| 14-04-2023 | FRI | TAMIL NEW YEAR                           |            |
| 15-04-2023 | SAT |  | 62         |
| 16-04-2023 | SUN | HOLIDAY                                  |            |
| 17-04-2023 | MON |  | 63         |
| 18-04-2023 | TUE | Web portal Entry III for III and IV year | 64         |
| 19-04-2023 | WED |  | 65         |
| 20-04-2023 | THU |  | 66         |
| 21-04-2023 | FRI | National Conference                      | 67         |
| 22-04-2023 | SAT | RAMZAN (Idul Fitr) /Earth Day            |            |
| 23-04-2023 | SUN | HOLIDAY                                  |            |
| 24-04-2023 | MON |  | 68         |
| 25-04-2023 | TUE |  | 69         |
| 26-04-2023 | WED |  | 70         |
| 27-04-2023 | THU | Jfinagles 2023                           | 71         |
| 28-04-2023 | FRI |  | 72         |
| 29-04-2023 | SAT | ANNNUAL DAY                              | 73         |
| 30-04-2023 | SUN | HOLIDAY                                  |            |
|            |     |  | 74         |
|            |     |  | 22         |

  
**PRINCIPAL**  
 JCT College of Engineering and Technology  
 PICHANUR, COIMBATORE - 641 105.

| Date                      | Day | Particulars  | Total Days |
|---------------------------|-----|--|------------|
| 1-05-2023                 | MON | <b>MAY DAY</b>   |            |
| 2-05-2023                 | TUE |  | 75         |
| 3-05-2023                 | WED |  | 76         |
| 4-05-2023                 | THU |  | 77         |
| 5-05-2023                 | FRI |  | 78         |
| 6-05-2023                 | SAT |  | 79         |
| 7-05-2023                 | SUN | <b>HOLIDAY</b>   |            |
| 8-05-2023                 | MON | <b>CIA III Examination for III year/CIA II Examination for II year/Model Examination for IV year</b> | 80         |
| 9-05-2023                 | TUE |  | 81         |
| 10-05-2023                | WED |  | 82         |
| 11-05-2023                | THU | <b>Model Examination for II and III year/National Technology Day</b>                                 | 83         |
| 12-05-2023                | FRI |  | 84         |
| 13-05-2023                | SAT |  | 85         |
| 14-05-2023                | SUN | <b>HOLIDAY</b>   |            |
| 15-05-2023                | MON |  | 86         |
| 16-05-2023                | TUE |  | 87         |
| 17-05-2023                | WED | <b>Artificial Intelligence and Machine Learning Workshop</b>   | 88         |
| 18-05-2023                | THU |  | 89         |
| 19-05-2023                | FRI |  | 90         |
| 20-05-2023                | SAT |  |            |
| 21-05-2023                | SUN | <b>HOLIDAY</b>   |            |
| 22-05-2023                | MON | <b>Association Validatory Function</b>   |            |
| 23-05-2023                | TUE | <b>ASSOCIATION VALIDATORY FUCTION</b>  |            |
| 24-05-2023                | WED | <b>LAST WORKING DAY</b>  |            |
| 25-05-2023                | THU | <b>Web portal Entry IV for III and IV year /Web portal Entry II for II year</b>                      |            |
| 26-05-2023                | FRI | <b>University Practical Exam Starts</b>  |            |
| 27-05-2023                | SAT |  |            |
| 28-05-2023                | SUN | <b>HOLIDAY</b>   |            |
| 29-05-2023                | MON |  |            |
| 30-05-2023                | TUE |  |            |
| 31-05-2023                | WED |  |            |
| <b>Total Working days</b> |     |  | <b>16</b>  |

  
**PRINCIPAL**  
 JCT College of Engineering and Technology  
 PICHANUR, COIMBATORE - 641 105.

| Date       | Day | Particulars                               |  |
|------------|-----|---|--|
| 1-06-2023  | MON |   |  |
| 2-06-2023  | TUE |   |  |
| 3-06-2023  | WED |   |  |
| 4-06-2023  | THU |   |  |
| 5-06-2023  | FRI | <b>Anna University Theory Exam Starts</b> |  |
| 6-06-2023  | SAT |   |  |
| 7-06-2023  | SUN | <b>HOLIDAY</b>                            |  |
| 8-06-2023  | MON |   |  |
| 9-06-2023  | TUE |   |  |
| 10-06-2023 | WED |   |  |

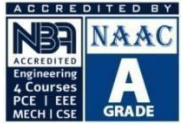
  
**PRINCIPAL**  
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PICHANUR, COIMBATORE - 641 105.



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# SUBJECT PREFERENCE & ALLOCATION



## LIST OF SUBJECTS AVAILABLE FOR ALLOCATION TO THE FACULTY

### SUBJECT PREFERENCE BY FACULTY

Note: Give Preference for 3 Theory and 3 Practical subjects

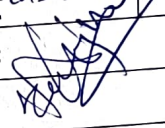
Faculty Name: **Dr.G.Rajiv Suresh Kumar** Designation: (Professor & HOD) PG Specialization:

Areas of Specialization / Interest:

| S.No. | Class    | Subject                                   | No. of Times Handled |
|-------|----------|---|----------------------|
| T1.   | III CSBS | Compiler Design                           |                      |
| T2.   | II AIDS  | Fundamentals of Data science and analysis |                      |
| T3.   | IV CSE   | Cloud Computing                           |                      |
| L1.   |          |   |                      |
| L2.   |          |   |                      |
| L3.   |          |   |                      |

Allotted Subjects :

|        |          |   |  |
|--------|----------|---|--|
| T1, L1 | III CSBS | Compiler Design Theory and Laboratory                       |  |
| T2, L2 | II AIDS  | Fundamentals of Data science and analysis theory Laboratory |  |
| T3, L3 | IV CSE   | Cloud Computing theory & laboratory                         |  |

Signature: 


Faculty Name: Designation: **K. MA LARVIZHI** PG Specialization: **SOFTWARE ENGINEERING**

Areas of Specialization / Interest:

| S.No. | Class    | Subject                     | No. of Times Handled |
|-------|----------|-----------------------------|----------------------|
| T1.   | II CSBS  | Machine Learning            | -                    |
| T2.   | III CSBS | Fundamentals of Management  | -                    |
| T3.   | IV CSBS  | Artificial Intelligence     | 1                    |
| L1.   | II CSBS  | Machine Learning Laboratory | -                    |
| L2.   | IV CSBS  | Artificial Laboratory       | -                    |
| L3.   |          |                             |                      |

Allotted Subjects :

|    |          |  |   |
|----|----------|--|---|
| T1 | III CSBS | Artificial Intelligence                  | 1 |
| T2 | II AIDS  | Fundamentals of Data Science & Analytics | 1 |
| L1 | IV CSBS  | Artificial Intelligence Laboratory       | - |
| L2 | II CSBS  | Machine Learning Laboratory              | - |

Signature: 

Faculty Name: Designation: Aiswarya P.S / AP PG Specialization:

Areas of Specialization / Interest:

| S.No. | Class                               | Subject                                       | No. of Times Handled |
|-------|-------------------------------------|---|----------------------|
| T1.   | <u>II CSBS</u>                      | Operating systems                             |                      |
| T2.   | <u>II AIDS</u>                      | Operating systems Laboratory                  |                      |
| T3.   | <u>II CSE</u><br><del>II AIDS</del> | <del>op</del> Algorithms. (for any one class) |                      |
| L1.   | <u>II CSBS</u>                      | Database Management Systems                   |                      |
| L2.   | <u>II CSBS</u>                      | Database Management Systems Laboratory        |                      |
| L3.   | <u>II AIDS</u>                      | Computer Networks.                            |                      |

Allotted Subjects :

|                |                        |                                      |  |
|----------------|------------------------|--------------------------------------|--|
| T <sub>1</sub> | <u>II CSEA</u>         | Introduction to operating system     |  |
| T <sub>2</sub> | <u>II LSEB</u>         | "                                    |  |
| T <sub>3</sub> | <u>II AIDS</u>         | Operating system with Integrated Lab |  |
| L <sub>1</sub> | <u>II CSE, A&amp;B</u> | Operating system Laboratory          |  |

Signature: Aiswarya P.S  
8/10/2023

Faculty Name: Designation: Sreeji / AP PG Specialization:

Areas of Specialization / Interest:

| S.No. | Class           | Subject                                       | No. of Times Handled |
|-------|-----------------|---|----------------------|
| T1.   | <u>II CSE</u>   | Database Management System                    |                      |
| T2.   | <u>III CSE</u>  | Mobile Computing.                             |                      |
| T3.   | <u>III CSBS</u> | PE-1 Mobile computing <del>X</del> <u>NMC</u> |                      |
| L1.   | <u>III CSE</u>  | Mobile Application Development laboratory     |                      |
| L2.   | <u>I CSBS</u>   | Data structure Design laboratory              |                      |
| L3.   |                 |   |                      |

Allotted Subjects :

|                             |                 |  |  |
|-----------------------------|-----------------|--|--|
| <del>T</del> T <sub>1</sub> | <u>III CSE</u>  | Mobile Computing                       |  |
| L <sub>1</sub>              | <u>III CSE</u>  | MAD Lab                                |  |
| T <sub>2</sub>              | <u>III CSBS</u> | Computer networks with integrated lab. |  |
| T <sub>3</sub>              | <u>II AIDS</u>  | Computer networks with integrated lab. |  |

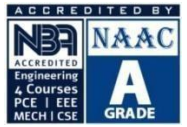
Signature: \_\_\_\_\_



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## CLASS TIMETABLE

Academic Year: 2022 - 2023

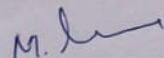
Class: II Year

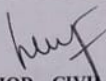
Semester No: IV

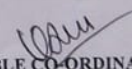
Lecture Hall:

| Period/Time | YEAR    | I            | II            | BREAK | III | IV            | LUNCH BREAK | V             | VI | VII          |             |             |
|-------------|---------|--------------|---------------|-------|-----|---------------|-------------|---------------|----|--------------|-------------|-------------|
| Day         |         | 9.10 - 10.05 | 10.05 - 10.55 |       |     | 11.10 - 12.05 |             | 12.05 - 12.55 |    | 1.45 - 2.35  | 2.35 - 3.25 | 3.25 - 4.15 |
| Mon         | II Year | HRE          | HRE           |       |     | SOM           |             | CT            |    | LIB          | AHE         | ESS         |
| Tue         |         | SOM          | SOM           |       |     | CT            |             | ESS           |    | MT LAB       |             |             |
| Wed         |         | CT           | CT            |       |     | AHE           |             | SM            |    | AHE          | ESS         | SOM         |
| Thu         |         | AHE          | AHE           |       |     | HRE           |             | TWM           |    | HYD ENGG LAB |             |             |
| Fri         |         | SM           | SM            |       |     | HRE           |             | SOM           |    | SOIL LAB     |             |             |
| Sat         |         | ESS          | ESS           |       |     | SM            |             | SM            |    | CT           | SOM         | HRE         |

| Subject Name  | Faculty In-Charge    | Subject Name                              | Faculty In-Charge    |
|---|----------------------|---|----------------------|
| Applied Hydraulic Engineering (CE3401)                    | Prof. P.Balachandran | Material Testing Laboratory (CE3412)      | Prof.P.Balachandran  |
| Strength of Materials II (CE3302)                         | Prof.G.Hari          | Hydraulic Engineering Laboratory (CE3411) | Prof. S.Mahalingam   |
| Concrete Technology (CE3403)                              | Prof. S.Mahalingam   | Soil Mechanics Laboratory (CE3413)        | Prof.M.Sadhasivam    |
| Soil Mechanics (CE3404)                                   | Prof. M.Sadhasivam   | Library (LIB)                             | Prof.K.Sivaraman     |
| Highway and Railway Engineering (CE3405)                  | Prof.K.Sivaraman     | Placement/Technical Training (PT)         | Prof. P.Balachandran |
| Environmental Sciences and Sustainability (GE3451)        | Dr.V.Venugopalan     | Tutor Ward Meeting (TWM)                  | Prof.K.Sivaraman     |
| <b>Class Advisor &amp; Class Tutor : Prof.K.SIVARAMAN</b> |                      |   |                      |

  
TIMETABLE IN-CHARGE

  
HOD - CIVIL

  
TIME TABLE CO-ORDINATOR

  
PRINCIPAL

# JCT

College of Engineering and Technology

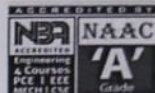
## JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

PITCHANUR, COIMBATORE - 641 105

DEPARTMENT OF CIVIL ENGINEERING

MASTER TIMETABLE FOR EVEN SEMESTER 2022 - 2023

(WITH EFFECT FROM: 06.01.2023)



| Period/<br>Time Day | YEAR     | I            | II            | BREAK   | III           | IV            | LUNCH BREAK | V                | VI             | VII         |
|---------------------|----------|--------------|---------------|---------|---------------|---------------|-------------|------------------|----------------|-------------|
|                     |          | 9.10 - 10.05 | 10.05 - 10.55 |         | 11.10 - 12.05 | 12.05 - 12.55 |             | 1.45 - 2.35      | 2.35 - 3.25    | 3.25 - 4.15 |
| Mon                 | II Year  | HRE          | HRE           |         | SOM           | CT            |             | LIB              | AHE            | ESS         |
|                     | III Year | SA II        | SA II         |         | IE            | HE            |             | IEED LAB         |                |             |
|                     | IV Year  | PE           |               |         | MRRS          |               |             | PROJECT          |                |             |
| Tue                 | II Year  | SOM          | SOM           |         | CT            | ESS           |             | MT LAB           |                |             |
|                     | III Year | HE           | HE            |         | SA II         | IE            |             | WWE              | DSS            | APCE        |
|                     | IV Year  | MRRS         |               |         | PE            |               |             | PROJECT          |                |             |
| Wed                 | II Year  | CT           | CT            |         | AHE           | SM            |             | AHE              | ESS            | SOM         |
|                     | III Year | IE           | IE            |         | WWE           | HE            |             | HIGHWAY ENGG LAB |                |             |
|                     | IV Year  | PE           |               |         | MRRS          |               |             | TWM              | PROJECT REVIEW |             |
| Thu                 | II Year  | AHE          | AHE           |         | HRE           | TWM           |             | HYD ENGG LAB     |                |             |
|                     | III Year | APCE         | APCE          |         | IE            | WWE           |             | ENGLISH LAB      |                | LIB         |
|                     | IV Year  | PROJECT      |               |         | PROJECT       |               |             | PROJECT          |                |             |
| Fri                 | II Year  | SM           | SM            |         | HRE           | SOM           |             | SOIL LAB         |                |             |
|                     | III Year | DSS          | DSS           |         | APCE          | SA II         |             | HE               | DSS            | SA II       |
|                     | IV Year  | PROJECT      |               |         | PROJECT       |               |             | PROJECT          |                |             |
| Sat                 | II Year  | ESS          | ESS           |         | SM            | SM            |             | CT               | SOM            | HRE         |
|                     | III Year | WWE          | WWE           | APCE    | APCE          | SA II         | DSS         | TWM              |                |             |
|                     | IV Year  | PROJECT      |               | PROJECT |               | PROJECT       |             |                  |                |             |

**Advisor and class Tutors:**

| II - Year      |              | III - Year       |              | IV - Year         |              |
|----------------|--------------|------------------|--------------|-------------------|--------------|
| Class Advisor  | Class Tutors | Class Advisor    | Class Tutors | Class Advisor     | Class Tutors |
| Mr.K.SIVARAMAN |              | Dr.V.VENUGOPALAN |              | Mr.P.BALACHANDRAN |              |

*M. S.*  
TIMETABLE IN-CHARGE

*Dr. V. Venugopalan*  
HOD - CIVIL

*Dr. P. Balachandran*  
TIME TABLE CO-ORDINATOR

*Dr. P. Balachandran*  
PRINCIPAL



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# DEPARTMENT MEETING MINUTES

## MINUTES OF THE MEETING

| Name of the Meeting: HOD Meeting  |   | Ref. No. :EEE/MOM/ 01/JULY/2022 |                    |
|---|---|---------------------------------|--------------------|
| Venue: Lecture Hall –Computer Lab-I   |   | Date: 11/07/2022                |                    |
| <b>Members Present:</b><br><b>Faculty:</b><br>Dr. K. Geetha (HOD/Prof.), Mr. D. Nagarajan(AP/EEE), Ms. A Kavyalakshmi(AP/EEE), Mrs. Angel Joseph(AP/EEE), Mr. R. Sathesh (AP/EEE), Mr. Ashwin karthik (AP/EEE), Ms. M. Devika (AP/EEE). |   |                                 |                    |
| S. No.  | Points Discussed  |                                 |                    |
| 1.  | Work load handovered.   |                                 |                    |
| 2.  | Tuition fee updation for all years.   |                                 |                    |
| 3.  | All programmes should be documented.  |                                 |                    |
| 4.  | Lab expenditure should be checked.  |                                 |                    |
| 5.  | Journal publication for students in UGC, AICTE, SCOPUS.   |                                 |                    |
| 6.  | Feedback should be updated.<br>FDP on laboratory.   |                                 |                    |
| 7.  | Project should be strictly monitored, mini project in simulation and final project in hardware.                           |                                 |                    |
| 8.  | NPTEL courses with 3 credits every faculty should register.<br>No retest will be conducted. Exception for genuine reason. |                                 |                    |
| 9.  | Fine amount for late fees.  |                                 |                    |
| 10.   | Web portal entry with students approval.  |                                 |                    |
| 11.   | Club activities to be engaged.  |                                 |                    |
| 12.   | All notes for each courses should be submitted prior to class starting in hand written.                                   |                                 |                    |
| 13.   | Lab manuals to be checked by HoD.   |                                 |                    |
| 14.   | Punch time should be followed strictly.   |                                 |                    |
| Copy to:  |   | Prepared By                     | Ms. A Kavyalakshmi |
| 1   | Principal.  | Approved By                     | Dr. K. Geetha      |
| 2   | All staff members of EEE Department   | Date                            | 11.07.2022         |
|   |   | Page No.                        | 1 of 1             |





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# CLASS COMMITTEE MEETING MINUTES



**CIRCULAR**
**03.03.2023**

The First Class Committee Meeting for VI semester B.E. (EEE) is scheduled on 10.03.2023 (Friday) at 10.00 am in Computer lab-I. All the committee members are requested to attend without fail.

**Agenda:**
**Academic**

1. Problems experienced by students in the class room and in the laboratories.
2. Analyzing the performance of the students Attendance.
3. Discussion about portion coverage.
4. Assessing the effectiveness of the teaching-Learning process

*D. Nagarajan*  
**Class Committee Coordinator**  
 Prof D.Nagarajan (AP, EEE)

*K. Geetha*  
**Chairperson**  
 (Dr. K. Geetha)

**MEMBERS OF THE COMMITTEE**

**Class Committee Coordinator** : Prof D.Nagarajan (AP, EEE)

| Course Code | Course Title                                    | Faculty In charge         | Signature              |
|-------------|---|---------------------------|------------------------|
| EE8601      | Solid State Drives                              | Mr.D.Nagarajan,(ASP/EEE)  | <i>D. Nagarajan</i>    |
| EE8602      | Protection and Switchgear                       | Ms.R.Satheesh (AP/EEE)    | <i>R. Satheesh</i>     |
| EE8691      | Embedded System                                 | Mrs.P.Angel Joeph(AP/EEE) | <i>P. Angel</i>        |
| GE8075      | Intellectual Property Rights                    | Ms.A.Kavyalakshmi(AP/EEE) | <i>A. Kavyalakshmi</i> |
| EE8661      | Power Electronics and Drives Laboratory         | Ms.A.Kavyalakshmi(AP/EEE) | <i>A. Kavyalakshmi</i> |
| EE8681      | Microprocessors and Microcontrollers Laboratory | Mrs.P.Angel Joeph(AP/EEE) | <i>P. Angel</i>        |
| EE8611      | Mini Project                                    | Mr.D.Nagarajan,(ASP/EEE)  | <i>D. Nagarajan</i>    |

**Student Members**

| Sl. No. | Reg No.      | Name of the Student        | Sl. No. | Reg No.      | Name of the Student           |
|---------|--------------|----------------------------|---------|--------------|-------------------------------|
| 1       | 720920105003 | CHHOTU KUMAR <i>Chhotu</i> | 4       | 720920105304 | AYYAPPADAS KM                 |
| 2       | 720920105005 | JAYAPRAKASH A              | 5       | 720920105310 | RESHMA G <i>R. Reshma</i>     |
| 3       | 720920105010 | SANOJ KUMAR <i>Sanoj</i>   | 6       | 720920105312 | GUDIPATI MANASA <i>Manasa</i> |

**Copy to:** 1.The Principal  
 2. HoD / EEE  
 3. File

**Name of the Meeting: Class Committee Meeting I  
(III YEAR)**

**Ref. No. :EEE/CCM/01 /MAR/2023**







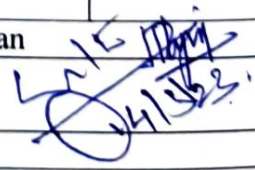
**Venue: CSE Lab 1**

**Date: 10.03.2023**

**Members Present:**

**Faculty:**Dr.Geetha.K (Prof/EEE) , Mr.D.Nagarajan(ASP/EEE),Mr. R Satheesh (AP/EEE), Ms. A.Kavyalakshmi (AP/EEE), Mrs.P.Angel Joeph(AP/EEE)

**Students:** Chottu Kumar, Gudipati manasa, Saravanan B, Dikul, Abdul karim ansari, Reshma G

| S. No.                                | Points Discussed  | Target Date        | Responsibility              | Remarks   |
|---------------------------------------|---|--------------------|-----------------------------|---|
| 1                                     | <b>Solid State Drives:</b> <ul style="list-style-type: none"> <li>One and half units have completed.</li> <li>Students are Comfortable with the subject.</li> <li>Easy to understand</li> </ul>   | 08.04.23           | Mr.D.Nagarajan (ASP/EEE)    |    |
| 2                                     | <b>Protection and Switchgear:</b> <ul style="list-style-type: none"> <li>One and half units have completed.</li> <li>Way of Teaching is good.</li> <li>Students are Comfortable with the subject.</li> </ul>                              | 08.04.23           | Mr. R Satheesh (AP/EEE)     |    |
| 3                                     | <b>Embedded Systems</b> <ul style="list-style-type: none"> <li>Two units have completed.</li> <li>Students are Comfortable with the subject.</li> </ul>   | 08.04.23           | Mrs.P.Angel Joeph(AP/EEE)   |  |
| 4                                     | <b>Intellectual Property Rights</b> <ul style="list-style-type: none"> <li>Notes are given regularly</li> <li>Two units have completed.</li> <li>Students are Comfortable with the subject.</li> <li>Class notes not received.</li> </ul> | 08.04.23           | Ms. A.Kavyalakshmi (AP/EEE) |  |
| 5                                     | <b>Power Electronics and Drives Laboratory</b> <ul style="list-style-type: none"> <li>Five Experiments have completed.</li> <li>Lab observation manual received.</li> </ul>   | 08.04.23           | Ms. A.Kavyalakshmi (AP/EEE) |  |
| 6                                     | <b>Micro Processor and Microcontroller Laboratory.</b> <ul style="list-style-type: none"> <li>Three Experiments have completed.</li> <li>Lab observation manual received.</li> </ul>  | 08.04.23           | Mrs.P.Angel Joeph(AP/EEE)   |  |
| <b>Copy to:</b>                       |   | <b>Prepared by</b> | Prof.D.Nagarajan            |  |
| 1 Principal                           |   | <b>Approved by</b> | Dr.K.Geetha                 |   |
| 2 All staff members of EEE Department |   | <b>Date</b>        | 10.03.23                    |   |
|                                       |   | <b>Page No.</b>    | 1 of 1                      |   |

| <b>Name of the Meeting: Class Committee I</b>   |  | <b>Ref. No. :EEE/CCM/01 /Sep/2022</b> |                   |                          |
|---|--|---------------------------------------|-------------------|--------------------------|
| <b>Venue: CSE Lab 1</b>   |  | <b>Date: 30.09.2022</b>               |                   |                          |
| <b>Members Present:</b>   |  |                                       |                   |                          |
| <b>Faculty:</b> Dr.Geetha.K (Prof/EEE) , Mr. R Sathesh (AP/EEE), Mr. A Kavyalakshmi (AP/EEE), Mr.P.Angel Joeph(AP/EEE), Ms. P S Aiswarya (AP/CSE), Mr.M.Devika (AP/EEE), Mrs. Mrs.Nancy Nisha (AP/S&H), Ms. P S Aiswarya (AP/CSE) |  |                                       |                   |                          |
| <b>Students:</b> Chhotu Kumar, Gudipati manasa, Saravanan B, Dikul, Abdul karim ansari, Reshma G  |  |                                       |                   |                          |
| S. No   | Points Discussed   | Target Date                           | Responsibility    | Remarks                  |
| 1   | <b>POWER SYSTEM ANALYSIS:</b><br><ul style="list-style-type: none"> <li>four units has completed</li> <li>Students are Comfortable with the subject</li> <li>Easy to understand</li> </ul>                               | 30.09.2022                            | Mr.R.Sathish.     | Problems to be given     |
| 2   | <b>MICRO PROCESSOR AND MICROCONTROLLER:</b><br><ul style="list-style-type: none"> <li>Three and Half units have completed</li> <li>Way of Teaching is good</li> <li>Students are Comfortable with the subject</li> </ul> | 30.09.2022                            | Mr S.Logeswaran.  | Assignments to be given. |
| 3   | <b>POWER ELECTRONICS</b><br><ul style="list-style-type: none"> <li>Three and Half units have completed</li> <li>Students are Comfortable with the subject</li> <li>Notes are given regularly</li> </ul>                  | 30.09.2022                            | Ms.A.Kavyalakshmi | Assignments to be given. |
| 4   | <b>DIGITAL SIGNAL PROCESSING</b><br><ul style="list-style-type: none"> <li>Three and Half units have completed</li> <li>Students are Comfortable with the subject</li> </ul>   | 30.09.2022                            | Ms.P.Angel Joseph | Problems to be given     |
| 5   | <b>OBJECT ORIENTED PROGRAMMING</b><br><ul style="list-style-type: none"> <li>Three and Half units have completed</li> <li>Students are Comfortable with the subject</li> </ul>   | 30.09.2022                            | Ms. P S Aiswarya  | Assignments to be given. |
| 6   | <b>BASICS OF BIO-MEDICAL INSTRUMENTATION</b><br><ul style="list-style-type: none"> <li>Four units have completed</li> <li>Students are Comfortable with the subject</li> </ul>   | 30.09.2022                            | Dr. K. Geetha     | Assignments to be given. |
| 7   | <b>CONTROL AND INSTRUMENTATION LAB</b><br><ul style="list-style-type: none"> <li>Experiments are conducted</li> <li>Teaching is good</li> </ul>  | 30.09.2022                            | Ms. M. Devika     | Follow lab rules         |
| 8   | <b>PROFESSIONAL COMMUNICATION</b><br><ul style="list-style-type: none"> <li>Experiments are conducted</li> <li>Teaching is good</li> </ul>   | 30.09.2022                            | Mrs. Nancy Nisha  | Follow lab rules         |
| 9   | <b>OBJECT ORIENTED PROGRAMMING LAB</b><br><ul style="list-style-type: none"> <li>Experiments are conducted</li> <li>Teaching is good</li> </ul>  | 30.09.2022                            | Ms. P S Aiswarya  | Follow lab rules         |
| Copy to:  |  | Prepared by                           | Mr D. Nagarajan   |                          |
| 1 Principal   |  | Approved by                           | Dr.K.Geetha       |                          |
| 2 All staff members of EEE Department   |  | Date                                  | 30.09.2022        |                          |
|   |  | Page No.                              | 1 of 2            |                          |

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PICHANUR, COIMBATORE - 641 105

|  |                                |
|--|--------------------------------|
| Name of the Meeting: Class Committee I | Ref. No. :EEE/CCM/01 /Sep/2022 |
| Venue: CSE Lab I                       | Date: 17.09.2022               |

**Members Present:**  
**Faculty:** Dr.Geetha.K (Prof/EEE) , Mr. R Sathesh (AP/EEE), Mr. A Kavyalakshmi (AP/EEE), Mr.P.Angel Joeph(AP/EEE), Ms. P S Aiswarya (AP/CSE), Mr.M.Devika (AP/EEE), Mrs. Mrs.Nancy Nisha (AP/S&H), Ms. P S Aiswarya (AP/CSE)  
**Students:** Chhotu Kumar, Gudipati manasa, Saravanan B, Dikul, Abdul karim ansari, Reshma G

| S. No | Points Discussed   | Target Date | Responsibility    | Remarks                  |
|-------|--|-------------|-------------------|--------------------------|
| 1     | <b>POWER SYSTEM ANALYSIS:</b><br><ul style="list-style-type: none"> <li>One and half units has completed</li> <li>Students are Comfortable with the subject</li> <li>Easy to understand</li> </ul>                     | 23.09.2022  | Mr.R.Sathish.     | Problems to be given     |
| 2     | <b>MICRO PROCESSOR AND MICROCONTROLLER:</b><br><ul style="list-style-type: none"> <li>One and Half units have completed</li> <li>Way of Teaching is good</li> <li>Students are Comfortable with the subject</li> </ul> | 23.09.2022  | Mr S.Logeswaran.  | Assignments to be given. |
| 3     | <b>POWER ELECTRONICS</b><br><ul style="list-style-type: none"> <li>One and Half units have completed</li> <li>Students are Comfortable with the subject</li> <li>Notes are given regularly</li> </ul>                  | 23.09.2022  | Ms.A.Kavyalakshmi | Assignments to be given. |
| 4     | <b>DIGITAL SIGNAL PROCESSING</b><br><ul style="list-style-type: none"> <li>One and Half units have completed</li> <li>Students are Comfortable with the subject</li> </ul>   | 23.09.2022  | Ms.P.Angel Joseph | Problems to be given     |
| 5     | <b>OBJECT ORIENTED PROGRAMMING</b><br><ul style="list-style-type: none"> <li>One and Half units have completed</li> <li>Students are Comfortable with the subject</li> </ul>   | 23.09.2022  | Ms. P S Aiswarya  | Assignments to be given. |
| 6     | <b>BASICS OF BIO-MEDICAL INSTRUMENTATION</b><br><ul style="list-style-type: none"> <li>One and Half units have completed</li> <li>Students are Comfortable with the subject</li> </ul>                                 | 23.09.2022  | Dr. K. Geetha     | Assignments to be given. |
| 7     | <b>CONTROL AND INSTRUMENTATION LAB</b><br><ul style="list-style-type: none"> <li>Experiments are conducted</li> <li>Teaching is good</li> </ul>  | 23.09.2022  | Ms. M. Devika     | Follow lab rules         |
| 8     | <b>PROFESSIONAL COMMUNICATION</b><br><ul style="list-style-type: none"> <li>Experiments are conducted</li> <li>Teaching is good</li> </ul>   | 23.09.2022  | Mrs. Nancy Nisha  | Follow lab rules         |
| 9     | <b>OBJECT ORIENTED PROGRAMMING LAB</b><br><ul style="list-style-type: none"> <li>Experiments are conducted</li> <li>Teaching is good</li> </ul>  | 23.09.2022  | Ms. P S Aiswarya  | Follow lab rules         |

|  |             |                 |
|--|-------------|-----------------|
| Copy to:<br>1 Principal<br>2 All staff members of EEE Department | Prepared by | Mr D. Nagarajan |
|  | Approved by | Dr.K.Geetha     |
|  | Date        | 17.09.2022      |
|  | Page No.    | 1 of 2          |

  
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Pichanur, Coimbatore-641 105 Tamil Nadu INDIA Phone: +91 422 2636900 Fax: +91 422 2636901 Email: [info@jct.ac.in](mailto:info@jct.ac.in) [www.jct.ac.in](http://www.jct.ac.in)



## COURSE FILE



## Course File Index

### DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Academic Year: 2022-2023

Year/Semester: II / I V

Course Code & Title: CS3401 & ALGORITHMS

Branch: CSE

| SL. No                 | CONTENTS  | SUBMISSION DATE | SIGNATURE          |                               |
|------------------------|---|-----------------|--------------------|-------------------------------|
|                        |   |                 | FACULTY            | HOD                           |
| 1.                     | Vision & Mission of Institute and Department                        | 10.2.23         | <i>[Signature]</i> | <i>[Signature]</i>            |
| 2.                     | PEOs, POs, PSOs   | 10.2.23         | <i>[Signature]</i> |                               |
| 3.                     | Time Table of the Faculty   | 10.2.23         | <i>[Signature]</i> |                               |
| 4.                     | Student Name List   | 10.2.23         | <i>[Signature]</i> |                               |
| 5.                     | Syllabus  | 10.2.23         | <i>[Signature]</i> |                               |
| 6.                     | Course Information Sheet  | 10.2.23         | <i>[Signature]</i> |                               |
| 7.                     | Lesson Plan   | 10.2.23         | <i>[Signature]</i> |                               |
| 8.                     | Course materials  | 10.2.23         | <i>[Signature]</i> |                               |
| 9.                     | Question Bank   | 10.2.23         | <i>[Signature]</i> |                               |
| 10.                    | Previous Question Papers with sample answer key                     | 10.2.23         | <i>[Signature]</i> |                               |
| <b>CIA I</b>           |   |                 |                    |                               |
| 11.                    | Question Paper with answer key                                      | 10.3.23         | <i>[Signature]</i> | <i>[Signature]</i><br>15.3.23 |
| 12.                    | Answer Scripts (Best, Average, Poor)                                | 14.3.23         | <i>[Signature]</i> |                               |
| 13.                    | Result Analysis   | 15.3.23         | <i>[Signature]</i> |                               |
| <b>CIA II</b>          |   |                 |                    |                               |
| 14.                    | Question Paper with answer key                                      | 8.05.23         | <i>[Signature]</i> | <i>[Signature]</i>            |
| 15.                    | Answer Scripts (Best, Average, Poor)                                | 11.05.23        | <i>[Signature]</i> |                               |
| 16.                    | Result Analysis   | 22.05.23        | <i>[Signature]</i> |                               |
| <b>CIA III [Model]</b> |   |                 |                    |                               |
| 17.                    | Question Paper with answer key                                      | 15.05.23        | <i>[Signature]</i> | <i>[Signature]</i>            |
| 18.                    | Answer Scripts (Best, Average, Poor)                                | 17.05.23        | <i>[Signature]</i> |                               |
| 19.                    | Result Analysis   | 18.05.23        | <i>[Signature]</i> |                               |
| 20.                    | Assignment questions  | 20.03.23        | <i>[Signature]</i> | <i>[Signature]</i>            |
| 21.                    | Assignment marks with sample assignments                            | 22.03.23        | <i>[Signature]</i> |                               |
| 22.                    | Tutorial questions (with sample sheets)                             | -               | -                  |                               |
| 23.                    | Current End Semester Examination (ESE) Question Paper with feedback | 17.6.23         | <i>[Signature]</i> | <i>[Signature]</i>            |
| 24.                    | Course Outcome Assessment   | 12.8.23         | <i>[Signature]</i> |                               |

*[Signature]*  
STAFF IN-CHARGE

*[Signature]*  
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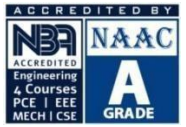
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HOD



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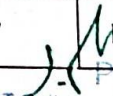
# INTERNSHIP/INPLANT TRAINING REPORT

## DEPARTMENT OF CIVIL ENGINEERING

Academic Year 2022 - 2023

## List of Students attended In-Plant Training/Internship

| S.No. | Name of the Student | Year/<br>Sem | In-Plant<br>Training/<br>Internship            | Name of the Company   | Duration   |            |
|-------|---------------------|--------------|--|---|------------|------------|
|       |                     |              |  |   | From       | To         |
| 1     | ANAGHA K P          | IV/VII       | Internship<br>Training                         | Parambattu Builders & Developers Pvt. Ltd,<br>Malapuram, Kerala | 12.07.2022 | 09.08.2022 |
| 2     | BHAGYA S            |              |  | Parambattu Builders & Developers Pvt. Ltd,<br>Malapuram, Kerala | 12.07.2022 | 09.08.2022 |
| 3     | NITHISHKUMAR J      |              |  | Shanmugam Associates, Vadavalli,<br>Coimbatore                  | 12.07.2022 | 09.08.2022 |
|       | RAJAGOPAL T         |              |  | Shanmugam Associates, Vadavalli,<br>Coimbatore                  | 12.07.2022 | 09.08.2022 |
| 4     | VISHNU MAYA K P     |              |  | Parambattu Builders & Developers Pvt. Ltd,<br>Malapuram, Kerala | 12.07.2022 | 09.08.2022 |
| 5     | VISHWA A            |              |  | Shanmugam Associates, Vadavalli,<br>Coimbatore                  | 12.07.2022 | 09.08.2022 |
| 6     | EFAKKIL M           |              |  | Shanmugam Associates, Vadavalli,<br>Coimbatore                  | 12.07.2022 | 09.08.2022 |
| 7     | GODWIN PETER        |              |  | Shanmugam Associates, Vadavalli,<br>Coimbatore                  | 12.07.2022 | 09.08.2022 |
| 8     | KAPIL S             |              |  | Shanmugam Associates, Vadavalli,<br>Coimbatore                  | 12.07.2022 | 09.08.2022 |
| 9     | PRADEEP M           |              |  | Shanmugam Associates, Vadavalli,<br>Coimbatore                  | 12.07.2022 | 09.08.2022 |
| 10    | VISHNU K            |              | Shanmugam Associates, Vadavalli,<br>Coimbatore | 12.07.2022  | 09.08.2022 |            |

  
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|    |                     |        |                        |  |            |            |
|----|---------------------|--------|------------------------|--|------------|------------|
| 11 | BALAJI R            |        |                        | Shanmugam Associates, Vadavalli,<br>Coimbatore             | 12.07.2022 | 09.08.2022 |
| 12 | KAVIYASELVAN K      |        |                        | Shanmugam Associates, Vadavalli,<br>Coimbatore             | 12.07.2022 | 09.08.2022 |
| 13 | SUHAIL O Y          |        |                        | K K Constructions, Pazhayannur, Palakkad,<br>Kerala        | 12.07.2022 | 09.08.2022 |
| 14 | ABILASH NARAYANAN J | III/VI | Internship<br>Training | K.Haridasan Building & PWD Contractor,<br>Palakkad, Kerala | 07.07.23   | 29.07.2023 |
| 15 | ABHISHEK V K        |        |                        | K.Haridasan Building & PWD Contractor,<br>Palakkad, Kerala | 07.07.23   | 29.07.2023 |
| 16 | AKSHATHA S          |        |                        | A.Kavitha Contractors, Kinathkadavu,<br>Coimbatore         | 01.07.2023 | 29.07.2023 |
| 17 | FATHIMA ROSNA K     |        |                        | Modern Builders, Department of Urban<br>Affairs, Kerala    | 11.07.2023 | 25.07.2023 |
| 18 | FELIKS ANTONY A     |        |                        | Sree Lakshmi Constructions, Palakkad,<br>Kerala            | 08.07.2023 | 27.07.2023 |
| 19 | SARATH B            |        |                        | K.Haridasan Building & PWD Contractor,<br>Palakkad, Kerala | 07.07.23   | 29.07.2023 |
| 20 | VISHNU DAS R        |        |                        | Sree Lakshmi Constructions, Palakkad,<br>Kerala            | 08.07.2023 | 27.07.2023 |
| 21 | AGARSH U            |        |                        | Sree Lakshmi Constructions, Palakkad,<br>Kerala            | 08.07.2023 | 27.07.2023 |
| 22 | AKHILRAJ CS         |        |                        | Creations Engineers & Suppliers, Kallepully,<br>Kerala     | 07.07.2023 | 29.07.2023 |
| 23 | ARAVINTHAN S        |        |                        | A.Kavitha Contractors, Kinathkadavu,<br>Coimbatore         | 01.07.2023 | 29.07.2023 |
| 24 | DEEKSHITA B         |        |                        | Creations Engineers & Suppliers, Kallepully,<br>Kerala     | 07.07.2023 | 29.07.2023 |
| 25 | DHARANYA D          |        |                        | Creations Engineers & Suppliers, Kallepully,<br>Kerala     | 07.07.2023 | 29.07.2023 |
| 26 | DIVYA N             |        |                        | ACC, Madukkarai Cement Works,<br>Coimbatore                | 08.07.2023 | 29.07.2023 |

|    |                         |        |                        |   |            |            |
|----|-------------------------|--------|------------------------|---|------------|------------|
| 27 | DODDALA VAISHNAVI       | III/VI |                        | TRISQUARE Constructions, Hosur,<br>Krishnagiri                    | 06.07.2023 | 04.08.2023 |
| 28 | KANCHARLA. BHASKAR<br>B |        |                        | D Dharnidhar Engineer & Contractor,<br>Musarambagh, Hyderabad     | 01.07.2023 | 29.07.2023 |
| 29 | MOHAN NARAYANAN J       |        |                        | AMIGOS Constructions. Kadapa, Andra<br>Pradesh                    | 01.07.2023 | 29.07.2023 |
| 30 | SAI KUMAR M             |        |                        | AMIGOS Constructions. Kadapa, Andra<br>Pradesh                    | 01.07.2023 | 29.07.2023 |
| 31 | SOORYA DAS H            |        |                        | K.Haridasan Building & PWD Contractor,<br>Palakkad, Kerala        | 07.07.2023 | 29.07.2023 |
| 32 | YAMUNA B                |        |                        | A.Kavitha Contractors, Kinathkadavu,<br>Coimbatore                | 01.07.2023 | 29.07.2023 |
| 33 | GOUTHAMKRISHNA.U        |        |                        | Creations Engineers & Suppliers, Kallepully,<br>Kerala            | 07.07.2023 | 29.07.2023 |
| 34 | ABHISHEK T              | II/IV  | Internship<br>Training | Kerala State Nirmithi Kendra, Regional<br>Centre Palakkad, Kerala | 19.06.2023 | 19.07.2023 |
| 35 | AFTHAB KHAN K Y         |        |                        | Kerala State Nirmithi Kendra, Regional<br>Centre Palakkad, Kerala | 19.06.2023 | 19.07.2023 |
| 36 | ANBUSELVAN S            |        |                        | ACC, Madukkarai Cement Works,<br>Coimbatore                       | 08.07.2023 | 29.07.2023 |
| 37 | ANSHA A                 |        |                        | Malabar Cements Ltd, Kerala                                       | 20.07.2023 | 06.08.2023 |
| 38 | ARATHI S                |        |                        | Malabar Cements Ltd, Kerala                                       | 20.07.2023 | 06.08.2023 |
| 39 | ASHWATHY S              |        |                        | Malabar Cements Ltd, Kerala                                       | 20.07.2023 | 06.08.2023 |
| 40 | FAHIM M                 |        |                        | K.Haridasan Building & PWD Contractor,<br>Palakkad, Kerala        | 20.07.2023 | 05.08.2023 |

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|    |                   |        |                     |  |            |            |
|----|-------------------|--------|---------------------|--|------------|------------|
| 41 | JAISON GEORGE     |        |                     | Kerala State Nirmithi Kendra, Regional Centre Palakkad, Kerala | 19.06.2023 | 19.07.2023 |
| 42 | KESAVAN G         |        |                     | ACC, Madukkarai Cement Works, Coimbatore                       | 08.07.2023 | 29.07.2023 |
| 43 | KRISHNA R         |        |                     | Kerala State Nirmithi Kendra, Regional Centre Palakkad, Kerala | 19.06.2023 | 19.07.2023 |
| 44 | MOHAMMED FALAH A  |        |                     | Malabar Cements Ltd, Kerala                                    | 20.07.2023 | 06.08.2023 |
| 45 | MUHAMMED FAZIL    |        |                     | K.Haridasan Building & PWD Contractor, Palakkad, Kerala        | 20.07.2023 | 05.08.2023 |
| 46 | NIYAS M           |        |                     | Kerala State Nirmithi Kendra, Regional Centre Palakkad, Kerala | 19.06.2023 | 19.07.2023 |
| 47 | AKASH VR          |        |                     | Malabar Cements Ltd, Kerala                                    | 20.07.2023 | 06.08.2023 |
| 48 | DHANUSH KRISHNA K |        |                     | Kerala State Nirmithi Kendra, Regional Centre Palakkad, Kerala | 19.06.2023 | 19.07.2023 |
| 49 | HARITHA S V       |        |                     | Malabar Cements Ltd, Kerala                                    | 20.07.2023 | 06.08.2023 |
| 50 | RAJAGOPAL R       |        |                     | ACC, Madukkarai Cement Works, Coimbatore                       | 08.07.2023 | 29.07.2023 |
| 51 | AARTHI M          | II/III | Internship Training | Bala Constructions, Pattukottai                                | 14.11.2022 | 15.12.2022 |
| 52 | AMRITHESWARI A F  |        |                     | Amirtha Project Planning and Designing Division, Kochi, Kerala | 21.11.2022 | 19.12.2022 |
| 53 | ATHIRA B          |        |                     | Possible Builders & Developers                                 | 15.11.2022 | 10.12.2022 |
| 54 | BABLU SANTHOSH    |        |                     | UBS Constructions, Vadakkenchery, Kerala                       | 16.11.2022 | 17.12.2022 |
| 55 | BASMAH B          |        |                     | Vision International Surveys & Consultant, Palakkad, Kerala    | 28.11.2022 | 27.01.2023 |

|    |                        |  |   |            |            |
|----|------------------------|--|---|------------|------------|
| 56 | JILSY J                |  | Abinav Engineers, Builders & Developers,<br>Palakkad, Kerala      | 15.11.2022 | 15.12.2022 |
| 57 | KATHIRESAN J           |  | VJK Construction, Gandhipuram,<br>Coimbatore                      | 5.12.2022  | 30.12.2022 |
| 58 | KRISHNALAL C S         |  | Possible Builders & Developers                                    | 15.11.2022 | 10.12.2022 |
| 59 | LAKSHI PRIYA U         |  | Atmosphere Architects, Designers &<br>Planners, Ernakulam, Kerala | 05.12.2022 | 30.12.2022 |
| 60 | MOHAMMED<br>THOUFEEQ K |  | Infinity Walls Engineering, Palakkad, Kerala                      | 20.11.2022 | 30.12.2022 |
| 61 | RAJESH KANNA M         |  | Haridraa PEB Structures India Pvt.Ltd,<br>Coimbatore              | 28.11.2022 | 30.12.2022 |
| 62 | REVANTH M              |  | Arshaya Associates, Vadavalli, Coimbatore                         | 21.11.2022 | 19.12.2022 |
| 63 | SUSMITHA LAKSHMI M     |  | MONNAIE Developers, Palakkad, Kerala                              | 14.11.2022 | 15.12.2022 |

*[Signature]*  
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*[Signature]*

HOD



**SITE ORIENTED TRAINING PROGRAM**



**INDUSTRIAL TRAINING REPORT**

*Submitted by*

**VISHNU K**

**Reg No. 720919103305**

*In partial fulfillment for the award of the degree*

*Of*

**BACHELOR OF ENGINEERING**

**In**

**CIVIL ENGINEERING**

**JCT COLLEGE OF ENGINEERING AND TECHNOLOGY**

**PICHANUR, COIMBATORE – 641105**

**JANUARY 2023**

**ANNA UNIVERSITY: CHENNAI 600025**

1

**PRINCIPAL**  
JCT College of Engineering and Technology  
PICHANUR, COIMBATORE - 641 105.

**BONAFIDE CERTIFICATE**

Certified that this is the bonafide report on **INDUSTRIAL TRAINING**, presented by **Mr.VISHNU K(720919103305)** second semester **B.E. Civil Engineering**, JCT College of Engineering and Technology, Pichanur, Coimbatore, in partial fulfillment of the requirements for the award of bachelor of Engineering in Civil Engineering under Anna University Chennai 600 025 during the year 2022-23.



**SIGNATURE**

**HEAD OF THE DEPARTMENT**

Dr.V.Murugesh M.E, Ph.D.,  
Department of Civil Engineering  
JCT College of Engineering and  
Technology, Coimbatore.



**SIGNATURE**

**SUPERVISOR**

Mr.P.Balachandran M.E.,  
Department of Civil Engineering  
JCT College of Engineering and  
Technology, Coimbatore.



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# SHANMUGAM ASSOCIATES

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associatesshanmugam@gmail.com

## TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. VISHU K** Reg. No 720919103305, BE Civil Engineering (2019-2023 Batch) student of **JCT College of Engineering and Technology, Pichanur Coimbatore** has undergone in plant Training at our firm (SHANMUGAM ASSOCIATES) for the duration of 4 weeks (12-07-2022 to 09-08-2022). He has attended the training regularly, and our site in-charge expressed satisfaction over the project report.

For SHANMUGAM ASSOCIATES

*[Signature]*  
Proprietor  
08/2022

*[Signature]*  
PRINCIPAL  
JCT College of Engineering and Technology  
PICHANUR, COIMBATORE - 641 105.

No : 5/1, Ground Floor, 1st Portion, Bhuvaneshwari Amman Temple Back Side, Bemmanapalayam,  
Vadavalli, Thondamuthur Road, Coimbatore - 641046

## CHAPTER-1 INTRODUCTION

### GENERAL

The practical training program is designed to acquaint students with the practical or hands-on knowledge of the past, present and the future. By the past, the student gets an opportunity to witness practically what they have read in books, that is the reality of the 100% assumption of the theories. It also gives the student about the current knowledge of what the field works is all about, getting familiar with new advancement in technology. The future refers to foreknowledge of what should be expected when he/she begins to practice the profession. Furthermore, it avails the students an opportunity to learn inter and inter personal relationship, administrative skills, site management identification of equipment among other opportunities. This report entails some of the experience I was able to acquire in my short period of attachment.

It gives an opportunity to supervise the construction work closely or design engineer using software programs such as Auto CAD, introduction to 3DX Max.

### OBJECTIVE OF THE TRAINING:

The preliminary aim of the whole training was to gain the knowledge about the Analysis and Design of Reinforced Concrete Structures, Estimation of the Project, Solving the Practical Problems in site and Decision Making while executing a project at various stages of the work main objective of the training session was, to gain the knowledge about Reinforcement Detailing in Auto-cad drawing into real practice.



## CHAPTER-9 CONCLUSION

The internship report helped me to gain important knowledge on construction field, work environment and all about construction development.

Participating in weekly team meeting with project manager and other team member and discuss on their treats of projects helped me attain the faith to develop a never giving up attitude. At the same time helped me learn the necessary skills to excel in the field.

I would like to convey my appreciation to Shanmugam Associates for providing me an opportunity to gain idea of the competitive environment in the professional field. It has certainly lifted my construction development skill for upcoming challenges of the world.

  
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**JCT COLLEGE OF ENGINEERING AND TECHNOLOGY**

**(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)**

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# STUDENT PROJECT REPORT

# **MATERIAL BALANCE OF 1000 TPD OF SULPHURIC ACID PLANT**

**A PROJECT REPORT**

*Submitted by*

|                          |                     |
|--------------------------|---------------------|
| <b>ABIRAM K</b>          | <b>720919139004</b> |
| <b>ATHUL KRISHNA P A</b> | <b>720919139017</b> |
| <b>SHERON VARGHESE</b>   | <b>720919139057</b> |
| <b>SRAVAN S</b>          | <b>720919139060</b> |

*In partial fulfillment for the award of the degree*

*of*

**BACHELOR OF ENGINEERING**

*in*

**PETROCHEMICAL ENGINEERING**

**JCT COLLEGE OF ENGINEERING AND TECHNOLOGY**

**COIMBATORE 641105**



**ANNA UNIVERSITY: CHENNAI 600 025**

**MAY 2023**



I

**PRINCIPAL**  
JCT College of Engineering and Technology  
PICHANUR, COIMBATORE - 641 105.

**ANNA UNIVERSITY: CHENNAI 600 025**

**BONAFIDE CERTIFICATE**

Certified that this main project report "**MATERIAL BALANCE OF 1000 TPD OF SULPHURIC ACID PLANT**" is the Bonafide work of "**ABIRAM K, ATHUL KRISHNA P.A, SHERON VARGHESE, SRAVAN S**" who carried out the main project work under my supervision.



**SIGNATURE**

**Dr. S. KAVITHA M.E., Ph.D.,**

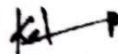
**Head of the Department**

Department of Petrochemical

JCT College Engineering and

Technology

Coimbatore 641105



**SIGNATURE**

**Ms. KALPANA V.P, M.Tech.,**

**Assistant Professor**

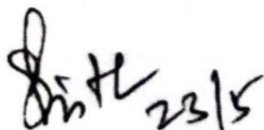
Department of Petrochemical

JCT College Engineering and

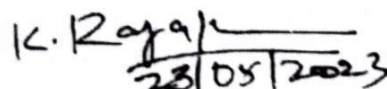
Technology

Coimbatore 641105

Submitted for the Anna University Examination held on 23/05/2023



**INTERNAL EXAMINER**



**EXTERNAL EXAMINER**



II



**PRINCIPAL**

JCT College of Engineering and Technology  
PICHANUR, COIMBATORE - 641 105.



दि फर्टिलाइजर्स एण्ड केमिकल्स ट्रावन्कोर लिमिटेड  
THE FERTILISERS AND CHEMICALS TRAVANCORE LIMITED  
(भारत सरकार का उद्यम) / (A Government of India Enterprise)

प्रशिक्षण केन्द्र / TRAINING CENTRE  
मुख्यालय / Head Office  
उद्योगमंडल / Udyogamandal - 683 501

दूरभाष / Phone : 0484 - 2567544, 2567467, 2567563,  
2556750, 2559621, 2567423, 2567380, 2567424  
ई-मेल / Email : fdc@facttd.com, sdc@facttd.com

DGM (Trg) CERT-PW/99/2022-23

04.05.2023

**CERTIFICATE**

Certified that **Mr. ABIRAM K**, student of BE Petrochemical in JCT College of Engineering and Technology, Coimbatore has successfully completed his Project Work titled "**Material Balance of 1000 TPD of Sulphuric Acid plant**" in FACT, Cochin division during the period from 20.02.2023 to 18.03.2023

We wish the student all the best in her future endeavors.

**Abraham P Varghese**  
Project Coordinator



**Antony K D**  
Engineer(Trg&Dev)



पंजीकृत कार्यालय : एलूर, उद्योगमंडल  
Regd. Office: Elour, Udyogamandal



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## ABSTRACT

The material balance of a 1000 TPD (tonnes per day) sulphuric acid production plant involves accounting for all inputs and outputs of the process. The process includes the reaction of sulphur with air to form sulphur dioxide, which is then oxidized to form sulphur trioxide. The sulphur trioxide is then absorbed in water to form sulphuric acid. The material balance takes into account the mass and composition of all inputs, such as sulphur, air, and water, as well as the outputs, such as sulphuric acid, carbon dioxide, and heat. The purpose of the material balance is to ensure that the process is running efficiently and to identify any losses or inefficiencies that need to be addressed. By accurately tracking the material flow through the process, adjustments can be made to optimize production and minimize waste .



A handwritten signature in green ink, consisting of stylized, overlapping loops and lines.

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Pichanur, Coimbatore - 641 105.

## CHAPTER 6

### RESULTS AND DISCUSSION

Material balance of 1000 TPD Sulphuric acid is determined and studied by the various problems in the production of Sulphuric acid, such as the poor infrastructure of plant and old machineries that result in less efficiency of production.

By implementing latest technology we could improve the quality and quantity of production. As per the result it would have a probability of getting high end yields and the industrial accidents can be controlled easily.

So in a nutshell, we use the most advance technology to consume the maximum production with less resources.



  
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