



VISWAJYOTHITM

COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE New Delhi & Affiliated to APJ Abdul Kalam Technological University

Vazhakulam P.O., Muvattupuzha
Ernakulam Dist., Kerala - 686 670
Tel: 0485 2262211 / 44
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2.6.2 Attainment of programme outcomes and course outcomes are evaluated by the institution

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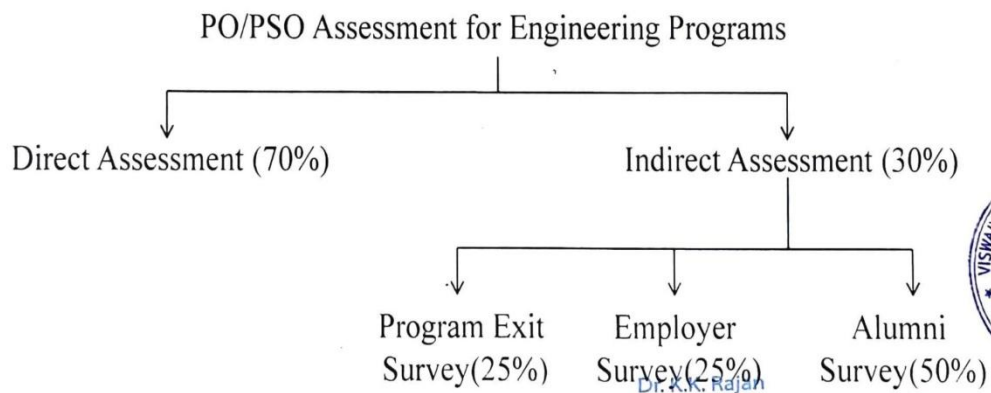
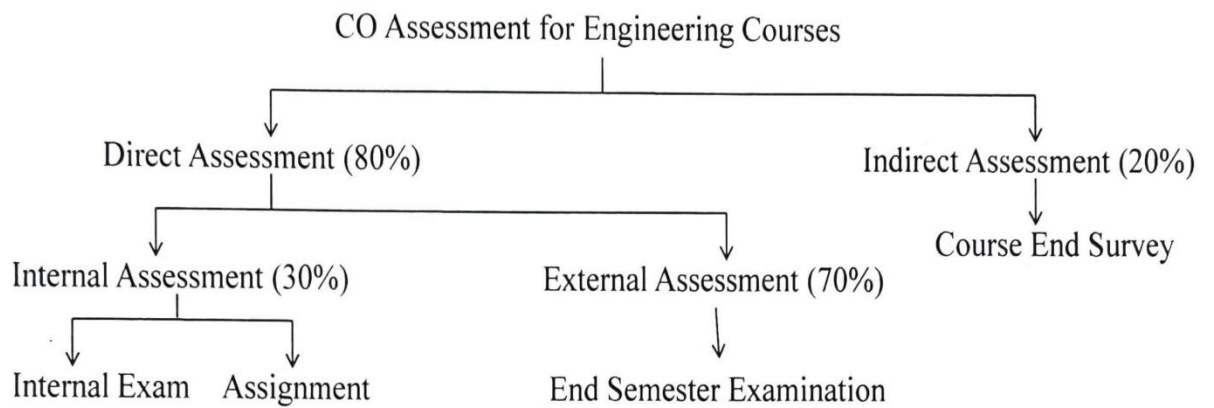
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Principal
Viswajyothi College of Engineering & Technology
Vazhakulam P.O., Muvattupuzha, Kerala-686 670





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Course Outcome Attainment Sheet - THEORY

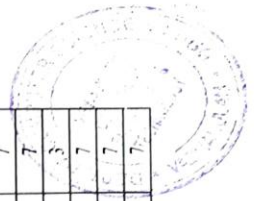
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| | | | |
|-----------------|--------------------------------|--------------|-----------------------|
| Branch | Computer Science & Engineering | Subject | DISTRIBUTED COMPUTING |
| Semester | VIII | Course code | C411 |
| Batch | A | No. of COs | 6 |
| No. of students | 63 | No. of POs | 12 |
| University Exam | YES | No. of PSOs | 3 |
| Assessment Year | 2022-23 | Faculty Name | Neenu Daniel |

| Assessment Tool | Series 1 | Asst 1 | Series 2 | Asst 2 | University |
|-----------------------|----------|--------|----------|--------|------------|
| No. of Questions | 11 | 3 | 11 | 4 | I |
| Max Marks | 50 | 15 | 50 | 15 | 70 |
| Weightage(%) | 10 | 5 | 10 | 5 | D |
| Attainment Cut-off(%) | 50 | 50 | 50 | 50 | |
| Weaker Cut-off(%) | 40 | 40 | 40 | 40 | |
| Brighter Cut-off(%) | 80 | 80 | 80 | 80 | |

| Roll No | Name | Series 1 | | Series 1 | | Series 1 | | Series 1 | | Series 1 | | Series 1 | | Series 1 | | Series 1 | | |
|---------|-------------------|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|--------|----------|--------|----------|--------|--------|
| | | Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | C411.1 | C411.2 | C411.1 | C411.2 | C411.1 | C411.2 |
| 1 | ABEL ANIL THAYIL | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 2 | ABHINI MAJI | 0.5 | 3 | 1 | 2.5 | 3 | 7 | 4.5 | 4 | 5 | 4.5 | 7 | 7 | 6 | 7 | 7 | 7 | 7 |
| 3 | ABHIRAMI BIJU | 3 | 0.5 | 2 | 2 | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 4 | ADITHYA KRISHNAN | 3 | 3 | 3 | 3 | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 5 | AJAL C HARISH | 3 | 3 | 3 | 3 | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 6 | AKASH SHAJI | 1.5 | 3 | 3 | 3 | 3 | 4.5 | 3.5 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 7 | ALAN BABY | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 8 | ALEENA GEORGE | 1 | 3 | 3 | 3 | 3 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 9 | ALEN GEORGE | 3 | 3 | 3 | 3 | 3 | 3.5 | 4.5 | 5 | 6 | 4.5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 10 | ALKA PAULSON | 3 | 3 | 0 | 2 | 3 | 6 | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 11 | ANANTHAKRISHNAN | 2 | 3 | 3 | 3 | 3 | 3 | 7 | 5.5 | 6 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 12 | ANJALI K R | 3 | 3 | 3 | 3 | 3 | 7 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 13 | ANJU BABY | 3 | 3 | 3 | 3 | 3 | 7 | 6 | 6 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 14 | ANN MARY JOSHY | 3 | 3 | 3 | 2 | 3 | 7 | 5.5 | 5.5 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 15 | ANOOPA MEERA BABY | 3 | 3 | 3 | 3 | 3 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 16 | ASHBIN ROY | 3 | 1.5 | 1.5 | 3 | 3 | 7 | 4.5 | 4.5 | 5.5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 17 | ASHWIN SHINE | 0.5 | 3 | 3 | 3 | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 18 | ASHIQUE A M | 3 | 3 | 3 | 3 | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 19 | BASIL PAUL | 1.5 | 1.5 | 1.5 | 3 | 3 | 7 | 5.5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 20 | BEN VARGHISE | 3 | 3 | 1.5 | 3 | 3 | 3 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |





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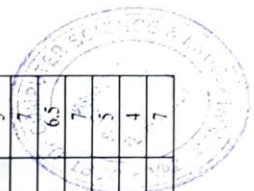
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| Roll No | Name | Series I | | Series I | | Series I | | Series I | | Series I | | Series I | | Series I | | Series I | | Series I | |
|---------|----------------------|------------|------------|----------|------------|------------|------------|----------|------------|------------|------------|----------|------------|------------|------------|----------|------------|----------|------------|
| | | Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | C411.1 | C411.2 | C411.1 | C411.2 | C411.1 | C411.2 | C411.1 |
| | | Understand | Understand | Remember | Understand | Understand | Understand | Remember | Understand | Understand | Understand | Remember | Understand | Understand | Understand | Remember | Understand | Remember | Understand |
| 21 | DILAN JOSEPH | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 22 | DION PAUL GEORGE | 3 | 0.5 | 1 | 3 | 1.5 | 7 | 7 | 4 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 6 |
| 23 | DIYA ANNA VARGHESE | 3 | 3 | 3 | 3 | 3 | 7 | 7 | 3 | 3.5 | 6 | 7 | 3 | 3.5 | 6 | 7 | 7 | 6 | 7 |
| 24 | EDWIN CHACKO | 2 | 1 | 1 | 3 | 2 | 4.5 | 5 | 6 | 5 | 5 | 5 | 6 | 5 | 5 | 5 | 5 | 5 | 6.5 |
| 25 | ELDHO VARGHESE | 3 | 0.5 | 3 | 2 | 2 | 6 | 6 | 4.5 | 4.5 | 6 | 6 | 4.5 | 4.5 | 6 | 6 | 6 | 6 | 3.5 |
| 26 | EVELIN MARTIN | 3 | 0.5 | 3 | 3 | 3 | 3 | 7 | 7 | 7 | 7 | 7 | 4.5 | 5 | 7 | 7 | 7 | 7 | 7 |
| 27 | FEMIL FRANCIS | 1.5 | 2 | 1.5 | 3 | 3 | 7 | 7 | 6 | 6 | 7 | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 7 |
| 28 | HAINNATHOMAS | 3 | 3 | 3 | 3 | 3 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 29 | HARISANKAR C D | 3 | 3 | 0.5 | 3 | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 |
| 30 | HIBA V SIDHEEK | 3 | 3 | 3 | 3 | 3 | 7 | 7 | 5 | 5 | 6 | 7 | 5 | 5 | 6 | 7 | 7 | 6 | 7 |
| 31 | JACOB GEORGE | 3 | 3 | 1.5 | 1 | 3 | 7 | 7 | 5.5 | 5.5 | 7 | 7 | 5.5 | 5.5 | 7 | 7 | 7 | 7 | 7 |
| 32 | JEFFIN JAMES | 0.5 | 0.5 | 3 | 3 | 3 | 2 | 2 | 5 | 5 | 5 | 4.5 | 5 | 5 | 4.5 | 3 | 3 | 3 | 3 |
| 33 | JELENA JOJO | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 |
| 34 | JOEL RAJU | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 5 | 5.5 | 7 | 7 | 5 | 5.5 | 7 | 7 | 7 | 7 | 7 |
| 35 | JOSMY JOHNY | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 36 | JOSU GEO | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 5.5 | 6 | 6 | 6 | 5.5 | 6 | 6 | 6 | 6 | 6 | 6 |
| 37 | JULIYA T JAMES | 3 | 3 | 3 | 3 | 3 | 7 | 7 | 5.5 | 6 | 7 | 7 | 5.5 | 6 | 7 | 7 | 7 | 7 | 7 |
| 38 | KRISHNAJA BINUMON | 3 | 3 | 3 | 3 | 3 | 7 | 7 | 5 | 4 | 5.5 | 6.5 | 5 | 4 | 5.5 | 6.5 | 6.5 | 6.5 | 6.5 |
| 39 | LIYA MATHEW | 3 | 3 | 3 | 3 | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 1 |
| 40 | MATHUKUTTY MANOJ | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 |
| 41 | MEHANOOR BASHEER | 3 | 3 | 0.5 | 3 | 3 | 7 | 7 | 6.5 | 6 | 7 | 7 | 6.5 | 6 | 7 | 7 | 7 | 7 | 7 |
| 42 | MINNA ANTU | 3 | 3 | 1.5 | 3 | 3 | 7 | 7 | 4.5 | 5 | 7 | 7 | 4.5 | 5 | 7 | 7 | 7 | 7 | 7 |
| 43 | NINIYA SUGATHAN | 3 | 3 | 1.5 | 3 | 3 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 |
| 44 | NIRANJANA ROY | 3 | 3 | 3 | 3 | 3 | 7 | 7 | 6 | 4 | 7 | 7 | 6 | 4 | 7 | 7 | 7 | 7 | 5.5 |
| 45 | NITHARA K BABY | 3 | 3 | 3 | 3 | 3 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 4 |
| 46 | PARVANA PRAKASH N | 3 | 3 | 0.5 | 3 | 3 | 7 | 7 | 6 | 6 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 |
| 47 | PAUL VINCENT | 3 | 3 | 3 | 3 | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 48 | PRIVAL BINDU PRAKASH | 3 | 3 | 1.5 | 3 | 3 | 7 | 7 | 5 | 6 | 7 | 7 | 5 | 6 | 7 | 7 | 7 | 7 | 7 |
| 49 | RAJALAKSHIRAJ | 3 | 3 | 3 | 3 | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 4 |
| 50 | REVATHY SATHEESAN | 3 | 3 | 3 | 3 | 3 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 |
| 51 | ROSHAN ROY | 3 | 0.5 | 0.5 | 3 | 3 | 3 | 3 | 3 | 2 | 6 | 7 | 3 | 2 | 6 | 7 | 7 | 7 | 7 |
| 52 | SAN BABY FRANCIS | 3 | 3 | 3 | 3 | 3 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 |
| 53 | SANDRA ANN SHIBU | 3 | 0.5 | 3 | 3 | 3 | 7 | 7 | 6.5 | 6 | 7 | 7 | 6.5 | 6 | 7 | 7 | 7 | 7 | 5 |
| 54 | SHAFNA JAFFER | 3 | 3 | 3 | 3 | 3 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 |
| 55 | SHAUN BIJU | 3 | 3 | 3 | 3 | 1.5 | 2 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 6.5 |
| 56 | SHIFA JOSHY | 3 | 3 | 3 | 3 | 3 | 7 | 7 | 5.5 | 6.5 | 7 | 7 | 5.5 | 6.5 | 7 | 7 | 7 | 7 | 7 |
| 57 | SOYAL SUNNY | 3 | 3 | 3 | 3 | 3 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 |
| 58 | SUSAN SHIBU | 3 | 3 | 1 | 3 | 3 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 |
| 59 | TANIYA TIJO | 3 | 3 | 3 | 3 | 3 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 |





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|---------|---------------------|------------|------------|----------|------------|------------|------------|----------|------------|----------|----------|------------|
| | | Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 |
| | | C411.1 | C411.1 | C411.2 | C411.2 | C411.1 | C411.1 | C411.1 | C411.1 | C411.2 | C411.2 | C411.2 |
| | | Understand | Understand | Remember | Understand | Understand | Understand | Remember | Understand | Analys | Remember | Understand |
| | | 3 | 3 | 3 | 3 | 3 | 7 | 7 | 7 | 7 | 7 | 7 |
| 60 | TESS MARY GEORGE | 3 | 3 | 3 | 3 | 3 | 7 | 5.5 | 6 | 6 | 4.5 | |
| 61 | THERESA MARY SURESH | 3 | 3 | 3 | 3 | 3 | 7 | 7 | 5 | 3 | 7 | 6 |
| 62 | TINCY TOMY | 3 | 3 | | 3 | 3 | 7 | 7 | 5 | | 6 | 7 |
| 63 | VEENA REGIKUMAR | 3 | 0 | 0 | 0.5 | 3 | 7 | 4 | 5 | 3 | 3.5 | 6 |





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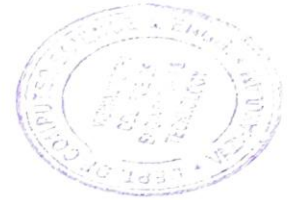
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| Roll No | Asst 1 | | Asst 1 | | Series 2 | | Series 2 | | Series 2 | | Series 2 | | Series 2 | | Series 2 | | Series 2 | | |
|---------|---------|------------|------------|----------|------------|------------|----------|------------|------------|----------|------------|---------|----------|------------|----------|------------|----------|------------|------------|
| | Q1 | Q2 | Q3 | Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q11 | Q11 | Q11 | Q11 | Q11 |
| | C411.1 | C411.2 | C411.2 | C411.3 | C411.3 | C411.3 | C411.4 | C411.4 | C411.3 | C411.3 | C411.3 | C411.4 | C411.4 | C411.4 | C411.4 | C411.4 | C411.4 | C411.4 | C411.4 |
| | Analyse | Understand | Understand | Remember | Understand | Understand | Remember | Understand | Understand | Remember | Understand | Analyse | Remember | Understand | Remember | Understand | Remember | Understand | Understand |
| 40 | 4 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 5 | 4.5 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 41 | 4 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 7 | 4.5 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
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| 43 | 4 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 5 | 4.5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 44 | 4 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 7 | 4 | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 45 | 4 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 46 | 4 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 7 | 4.5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 47 | 4 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 7 | 4 | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 48 | 4 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 7 | 4 | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
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| 52 | 4 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 53 | 4 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 5 | 4 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 54 | 4 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 5 | 4 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
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| 63 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 4.5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |





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| Roll No | Asst 2 | | Asst 2 | | Asst 2 | | Asst 2 | | Asst 2 | | University | |
|---------|--------|--------|--------|--------|----------|------------|------------|------------|----------|------------|------------|------------|
| | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 |
| | C411.5 | C411.3 | C411.4 | C411.5 | Remember | Understand | Understand | Understand | Remember | Understand | Understand | Understand |
| 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 6 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 7 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 8 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 9 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 10 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 11 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 12 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 13 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 14 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 15 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 16 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 17 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 18 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 19 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 20 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 21 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 22 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 23 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 24 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 25 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 26 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 27 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 28 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 29 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 30 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 31 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 32 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 33 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 34 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 35 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 36 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 37 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 38 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 39 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |



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COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE New Delhi & Affiliated to APJ Abdul Kalam Technological University

Vazhakulam P.O., Muvattupuzha
Ernakulam Dist., Kerala - 686 670
Tel: 0485 2262211 / 44
Email: vjcet@vjcet.org
www.vjcet.org



| Roll No | Asst 2 | | Asst 2 | | Asst 2 | | Asst 2 | | University | |
|---------|----------|----------|------------|------------|------------|----------|------------|------------|------------|------------|
| | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 |
| | C411.5 | C411.3 | C411.4 | C411.5 | C411.5 | C411.3 | C411.4 | C411.5 | C411.5 | C411.5 |
| | Remember | Remember | Understand | Understand | Understand | Remember | Understand | Understand | Understand | Understand |
| 40 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | C+ |
| 41 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | A+ |
| 42 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | B |
| 43 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | S |
| 44 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | A+ |
| 45 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | B+ |
| 46 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | B |
| 47 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | B+ |
| 48 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | C+ |
| 49 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | B+ |
| 50 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | B |
| 51 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | D |
| 52 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | A |
| 53 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | B+ |
| 54 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | B+ |
| 55 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | C+ |
| 56 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | S |
| 57 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | C |
| 58 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | A+ |
| 59 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | A |
| 60 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | B+ |
| 61 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | A+ |
| 62 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | A+ |
| 63 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | B |



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Email: vjcet@vjcet.org
www.vjcet.org

VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY, VAZHAKULAM

Department of Computer Science & Engineering

CO-PO & CO-PSO Mapping

| | |
|-----------------|---------|
| Semester | VIII |
| Batch | A |
| Assessment Year | 2022-23 |

| | |
|--------------|-----------------------|
| Subject | DISTRIBUTED COMPUTING |
| Course code | C411 |
| Faculty Name | Ncenu Daniel |

CO-PO MAPPING MATRIX

| Sl.No | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| C411.1 | 3 | 2 | 1 | 1 | - | - | - | - | - | - | - | 3 |
| C411.2 | 2 | 1 | 3 | 1 | - | - | - | - | - | - | - | 2 |
| C411.3 | 2 | 1 | 2 | 1 | - | - | - | - | - | - | - | 2 |
| C411.4 | 2 | 1 | 2 | 2 | 2 | - | - | - | - | - | - | 3 |
| C411.5 | 3 | 2 | 1 | 3 | - | - | - | - | - | - | - | 2 |
| C411.6 | 2 | 1 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |

CO-PSO MAPPING MATRIX

| Sl.No | PSO1 | PSO2 | PSO3 | | | | | | | | | |
|--------|------|------|------|--|--|--|--|--|--|--|--|--|
| C411.1 | 1 | 2 | 2 | | | | | | | | | |
| C411.2 | 2 | 2 | 2 | | | | | | | | | |
| C411.3 | 2 | 2 | 2 | | | | | | | | | |
| C411.4 | 2 | 2 | 2 | | | | | | | | | |
| C411.5 | 2 | 2 | 2 | | | | | | | | | |
| C411.6 | 2 | 2 | 3 | | | | | | | | | |

COURSE END SURVEY

| C411.1 | C411.2 | C411.3 | C411.4 | C411.5 | C411.6 | | | | | | |
|--------|--------|--------|--------|--------|--------|--|--|--|--|--|--|
| 2.7 | 2.7 | 2.7 | 2.7 | 2.6 | 2.6 | | | | | | |

Ncenu Daniel



[Signature]



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Email: vjcet@vjcet.org
www.vjcet.org



VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY, VAZHAKULAM Department of Computer Science & Engineering ATTAINMENT

| | |
|-----------------|---------|
| Semester | VIII |
| Batch | A |
| Assessment Year | 2022-23 |

| | |
|--------------|-----------------------|
| Subject | DISTRIBUTED COMPUTING |
| Course code | C411 |
| Faculty Name | Neenu Daniel |

CO ATTAINMENT MATRIX

| Assessment Tools | C411.1 | C411.2 | C411.3 | C411.4 | C411.5 | C411.6 | | | | | | |
|------------------|--------|--------|--------|--------|--------|--------|--|--|--|--|--|--|
| Series 1 | 3 | 3 | - | - | - | - | | | | | | |
| Asst 1 | 3 | 3 | - | - | - | - | | | | | | |
| Series 2 | - | - | 3 | 3 | - | - | | | | | | |
| Asst 2 | - | - | 3 | 3 | 3 | - | | | | | | |
| University | 3 | 3 | 3 | 3 | 3 | 3 | | | | | | |

| | | | | | | | | | | | | |
|------------------------|------|------|------|------|------|------|--|--|--|--|--|--|
| CO Direct Attainment | 3 | 3 | 3 | 3 | 3 | 3 | | | | | | |
| CO Indirect Attainment | 2.7 | 2.7 | 2.7 | 2.7 | 2.6 | 2.6 | | | | | | |
| CO Attainment | 2.94 | 2.94 | 2.94 | 2.94 | 2.92 | 2.92 | | | | | | |
| CO Attainment Avg | 2.93 | | | | | | | | | | | |

COURSE - PO MATRIX

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| C411(Mapped) | 2.33 | 1.33 | 1.83 | 1.67 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2.33 |
| C411(Attained) | 2.28 | 1.3 | 1.79 | 1.63 | 1.95 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 2.28 |
| C411(Feedback) | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

COURSE - PSO MATRIX

| | PSO1 | PSO2 | PSO3 | | | | | | | | | |
|----------------|------|------|------|--|--|--|--|--|--|--|--|--|
| C411(Mapped) | 1.83 | 2 | 2.17 | | | | | | | | | |
| C411(Attained) | 1.79 | 1.96 | 2.12 | | | | | | | | | |
| C411(Feedback) | 3 | 3 | 3 | | | | | | | | | |

(Neenu Daniel)



(Signature)



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Email: vjcet@vjcet.org
www.vjcet.org

Course Outcome Attainment Sheet - I LAB
VAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY, VAZHAKU

| | | | |
|-----------------|--------------------------|--------------|----------------------|
| Branch | Computer Science & Engg. | Subject | COMPILER LAB |
| Semester | VII | Course code | C405 |
| Batch | b | No. of COs | 6 |
| No. of students | 63 | No. of POs | 12 |
| University Exam | YES | No. of PSOs | 3 |
| Assessment Year | 2022-23 | Faculty Name | Libsy Ann Merin Baby |

| Assessment Tool | Daily Eval | Model Exam | | | | | | | | University |
|-----------------------|------------|------------|--|--|--|--|--|--|--|------------|
| No. of Days/Qtms | 1 | 1 | | | | | | | | |
| Max Marks | 45 | 15 | | | | | | | | |
| Weightage(%) | 40 | 10 | | | | | | | | 50 |
| Attainment Cut-off(%) | 50 | 50 | | | | | | | | D |
| Weaker Cut-off(%) | 40 | 40 | | | | | | | | |
| Brighter Cut-off(%) | 80 | 80 | | | | | | | | |

| Roll No | Name | Daily Eval | Model Exam | University |
|---------|----------------------|-------------------------------|------------|------------|
| | | Day 1 | Q 1 | Q 1 |
| | | CO1:CO2 CO3:CO4 CO5:CO6 | | |
| | | 45 | 15 | |
| 1 | ABINO POULOSE | 44 | 15 | S |
| 2 | ADWAITH P A | 43 | 14 | A |
| 3 | AIRIN SUSAN WILSON | 43 | 13 | S |
| 4 | AJIN V M | 42 | 14 | S |
| 5 | AKHIL M REGI | 42 | 14 | S |
| 6 | ALAN D ANDOOR | 44 | 15 | S |
| 7 | ALBIN BIJU | 43 | 14 | S |
| 8 | ALBIN THOMAS | 44 | 15 | A+ |
| 9 | ALEN BELJI | 42 | 14 | S |
| 10 | ALHA MARY JACOB | 43 | 14 | A |
| 11 | ALIN MARY ELDHOSE | 43 | 14 | S |
| 12 | ALLEN SAJIMON | 43 | 14 | C |
| 13 | ALVIN BENEDICT | 43 | 14 | B+ |
| 14 | AMAL ABRAHAM | 43 | 14 | A+ |
| 15 | ANANDHU VASU | 43 | 15 | S |
| 16 | ANANTHA KRISHNAN K.S | 43 | 14 | S |
| 17 | ANIL BIJU | 43 | 13 | A |
| 18 | ANJALY BIJU | 43 | 14 | B+ |
| 19 | ANJU MARY THOMAS | 43 | 14 | B+ |
| 20 | ANNA MANOJ | 43 | 14 | B |
| 21 | ANN MARIA DOMINIC | 43 | 14 | C+ |
| 22 | ANN MARY MATHEW | 43 | 14 | S |
| 23 | ANN MARY PETER | 43 | 14 | B+ |
| 24 | ANUMOL THANKACHAN | 43 | 14 | D |
| 25 | ASHIK PAUL | 43 | 14 | A |
| 26 | ASHIL KRISHNA P S | 43 | 14 | A |
| 27 | ASHNA NAZAR | 43 | 13 | B |
| 28 | ASHWIN ELDOSE | 43 | 14 | C |
| 29 | AVANTHIKA R | 42 | 14 | A+ |
| 30 | BEN THOMAS | 44 | 15 | S |
| 31 | BINDHIYA C PHILIP | 43 | 14 | B+ |
| 32 | DEVIKA MANI SANKAR | 43 | 14 | A |
| 33 | DIJO DAISON | 43 | 14 | A+ |
| 34 | DILNA ELIZABATH ROY | 43 | 14 | A |
| 35 | DION ABRAHAM JORDY | 42 | 14 | A |
| 36 | ELDOSE ROY | 40 | 14 | A+ |
| 37 | ELIZABETH GEORGE | 40 | 13 | B |
| 38 | ELIZEBATH LOVIN | 42 | 14 | A+ |
| 39 | GEORGINA ANN LEONS | 43 | 13 | D |






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Tel: 0485 2262211 / 44
Email: vjcet@vjcet.org
www.vjcet.org

| Roll No | Name | Daily Eval | Model Exam | University |
|---------|--------------------|--|------------|------------|
| | | Day 1 | Q 1 | Q 1 |
| | | CO.1; CO.2 CO.3; CO.4 CO.5; CO.6 | | |
| | | 45 | 15 | |
| 40 | GEORGIN JOY | 43 | 10 | F |
| 41 | GRACE MARIA BABU | 43 | 14 | C+ |
| 42 | IRENE SUNNY | 43 | 14 | A+ |
| 43 | IVIN RAFI GEORGE | 42 | 14 | C |
| 44 | JEFRIN ELDHOS JOY | 42 | 14 | S |
| 45 | JIYA JOHNSON | 43 | 13 | C+ |
| 46 | KALYANI BABU | 38 | 14 | A+ |
| 47 | MARIA MANOJ | 43 | 13 | A |
| 48 | MARIYA ROY | 43 | 13 | A+ |
| 49 | MATHEW K SHIBU | 43 | 14 | S |
| 50 | MEENAKSHY DEVAN | 42 | 14 | B+ |
| 51 | MEERA SUSAN REGI | 42 | 14 | B+ |
| 52 | MINNU BENNY | 42 | 14 | B+ |
| 53 | NELVIN MATHEW | 42 | 14 | S |
| 54 | PRIYALA BABU | 42 | 13 | B+ |
| 55 | RESHMA JOY | 43 | 14 | S |
| 56 | ROSHAN SHAJI | 43 | 14 | S |
| 57 | SANDRA SKARIA | 42 | 14 | B+ |
| 58 | SHARON JOS JOHNSON | 43 | 13 | D |
| 59 | SNEHA MARIA BIJU | 43 | 14 | A+ |
| 60 | SOORAJ SHAJI | 42 | 14 | S |
| 61 | THARA ROSE ANTONY | 43 | 14 | A+ |
| 62 | VEENA R | 43 | 14 | S |
| 63 | MAHIN NASAR | 43 | 13 | D |


Libby Ann Merin Baby







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www.vjcet.org

VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY, VAZHAKULAM



Department of Computer Science & Engg.

CO-PO & CO-PSO Mapping

| | |
|-----------------|---------|
| Semester | VII |
| Batch | b |
| Assessment Year | 2022-23 |

| | |
|--------------|----------------------|
| Subject | COMPILER LAB |
| Course code | C405 |
| Faculty Name | Libsy Ann Merin Baby |

CO-PO MAPPING MATRIX

| SLNO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| C405.1 | 2 | 2 | 2 | - | 1 | - | - | - | 2 | 2 | - | 2 |
| C405.2 | 2 | 1 | 2 | - | 2 | - | - | - | 2 | 2 | - | 1 |
| C405.3 | 2 | 3 | 2 | - | 1 | - | - | - | 2 | 2 | - | 2 |
| C405.4 | 2 | 2 | 3 | - | 1 | - | - | - | 2 | 2 | - | 1 |
| C405.5 | 2 | 2 | 2 | - | 1 | - | - | 1 | 2 | 2 | 1 | 2 |
| C405.6 | 2 | 2 | 2 | - | 1 | - | - | 1 | 2 | 2 | 1 | 2 |

CO-PSO MAPPING MATRIX

| SLNO | PSO1 | PSO2 | PSO3 | | | | | | | | | |
|--------|------|------|------|--|--|--|--|--|--|--|--|--|
| C405.1 | 2 | 2 | 2 | | | | | | | | | |
| C405.2 | 2 | 2 | 2 | | | | | | | | | |
| C405.3 | 1 | 1 | 1 | | | | | | | | | |
| C405.4 | 2 | 2 | 3 | | | | | | | | | |
| C405.5 | 3 | 3 | 3 | | | | | | | | | |
| C405.6 | 2 | 2 | 3 | | | | | | | | | |

COURSE END SURVEY

| C405.1 | C405.2 | C405.3 | C405.4 | C405.5 | C405.6 | | | | | | |
|--------|--------|--------|--------|--------|--------|--|--|--|--|--|--|
| 2.6 | 2.6 | 2.5 | 2.5 | 2.5 | 2.5 | | | | | | |

Libsy Ann Merin Baby





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VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY, VAZHAKULAM

Department of Computer Science & Engg.

ATTAINMENT

| | |
|-----------------|---------|
| Semester | VII |
| Batch | b |
| Assessment Year | 2022-23 |

| | |
|--------------|----------------------|
| Subject | COMPILER LAB |
| Course code | C405 |
| Faculty Name | Libsy Ann Merin Baby |

CO ATTAINMENT MATRIX

| Assessment Tools | C405.1 | C405.2 | C405.3 | C405.4 | C405.5 | C405.6 | | | | | | |
|------------------|--------|--------|--------|--------|--------|--------|--|--|--|--|--|--|
| Daily Eval | 3 | 3 | 3 | 3 | 3 | 3 | | | | | | |
| Model Exam | 3 | 3 | 3 | 3 | 3 | 3 | | | | | | |
| University | 3 | 3 | 3 | 3 | 3 | 3 | | | | | | |

| | | | | | | | | | | | | |
|------------------------|------|------|-----|-----|-----|-----|--|--|--|--|--|--|
| CO Direct Attainment | 3 | 3 | 3 | 3 | 3 | 3 | | | | | | |
| CO Indirect Attainment | 2.6 | 2.6 | 2.5 | 2.5 | 2.5 | 2.5 | | | | | | |
| CO Attainment | 2.92 | 2.92 | 2.9 | 2.9 | 2.9 | 2.9 | | | | | | |
| CO Attainment Avg | 2.91 | | | | | | | | | | | |

COURSE - PO MATRIX

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
|----------------|------|------|------|-----|------|-----|-----|------|------|------|------|------|
| C405(Actual) | 2 | 2 | 2.17 | - | 1.17 | - | - | 1 | 2 | 2 | 1 | 1.67 |
| C405(Attained) | 1.94 | 1.94 | 2.1 | - | 1.13 | - | - | 0.97 | 1.94 | 1.94 | 0.97 | 1.61 |
| C405(Feedback) | 3 | 3 | 3 | - | 3 | - | - | 3 | 3 | 3 | 3 | 3 |

COURSE - PSO MATRIX

| | PSO1 | PSO2 | PSO3 | | | | | | | | | |
|----------------|------|------|------|--|--|--|--|--|--|--|--|--|
| C405(Actual) | 2 | 2 | 2.33 | | | | | | | | | |
| C405(Attained) | 1.94 | 1.94 | 2.26 | | | | | | | | | |
| C405(Feedback) | 3 | 3 | 3 | | | | | | | | | |

Libsy Ann Merin Baby



Shruti



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Email: vjcet@vjcet.org
www.vjcet.org

DEPARTMENT OF CIVIL ENGINEERING

BATCH: 2019-2023

CO ATTAINMENT

| mester | Course Code | CO1 | CO2 | CO3 | CO4 | CO5 | CO6 | CO7 | CO8 | CO9 | CO10 | CO11 | CO12 | AVG |
|--------|-------------|------|------|------|------|-----|-----|-----|-----|-----|------|------|------|-------|
| S1S2 | C101 | 2.8 | 2.8 | 3 | 3 | 3 | - | - | - | - | - | - | - | 2.96 |
| | C102 | 3 | 3 | 2.6 | 3 | 3 | - | - | - | - | - | - | - | 2.92 |
| | C110 | 2.9 | 2.8 | 3 | 2.7 | 3 | - | - | - | - | - | - | - | 2.88 |
| | C111 | 3 | 3 | 2.7 | 2.6 | 2.8 | 2.7 | - | - | - | - | - | - | 2.8 |
| | C105 | 3 | 2.9 | 2.8 | 2.82 | 3 | 3 | - | - | - | - | - | - | 2.92 |
| | C106 | 3 | 3 | 3 | 3 | 2.9 | - | - | - | - | - | - | - | 2.98 |
| | C115 | 3 | 3 | 3 | 2.9 | 3 | 3 | 3 | - | - | - | - | - | 2.98 |
| | C108 | 2.8 | 2.8 | 3 | 3 | 3 | - | - | - | - | - | - | - | 2.96 |
| | C114 | 2.9 | 2.8 | 3 | 2.7 | 3 | - | - | - | - | - | - | - | 2.88 |
| | C103 | 3 | 3 | 2.7 | 2.6 | 2.8 | 2.7 | - | - | - | - | - | - | 2.8 |
| | C104 | 2.9 | 2.7 | 3 | 3 | 3 | 3 | 2.8 | 2.9 | 2.7 | 2.8 | 3 | - | 2.89 |
| | C112 | 3 | 3 | 2.7 | 2.6 | 2.8 | 2.7 | - | - | - | - | - | - | 2.8 |
| | C113 | 3 | 2.9 | 2.8 | 2.82 | 3 | 3 | - | - | - | - | - | - | 2.92 |
| | C109 | 3 | 3 | 3 | 3 | 2.9 | 3 | - | - | - | - | - | - | 2.98 |
| C107 | 3 | 3 | 3 | 3 | 3 | 3 | - | - | - | - | - | - | 3 | |
| S3 | C201 | 3 | 2.9 | 2.8 | 3 | 3 | - | - | - | - | - | - | - | 2.94 |
| | C202 | 3 | 2.9 | 2.8 | 2.82 | 3 | 3 | - | - | - | - | - | - | 2.92 |
| | C203 | 2.8 | 3 | 3 | 3 | 3 | - | - | - | - | - | - | - | 2.96 |
| | C204 | 3 | 3 | 2.9 | 2.8 | 3 | 3 | - | - | - | - | - | - | 2.95 |
| | C205 | 3 | 3 | 3 | - | - | - | - | - | - | - | - | - | 3 |
| | C206 | 3 | 3 | 3 | 3 | 3 | - | - | - | - | - | - | - | 3 |
| | C207 | 3 | 3 | 3 | 3 | - | - | - | - | - | - | - | - | 3 |
| | C208 | 2.9 | 3 | 3 | 3 | 3 | - | - | - | - | - | - | - | 2.98 |
| | C209 | 2.9 | 2.8 | 3 | 2.9 | - | - | - | - | - | - | - | - | 2.9 |
| S4 | C210 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | - | - | - | - | - | - | - | 2.6 |
| | C211 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | - | - | - | - | - | - | - | 2.6 |
| | C212 | 2.72 | 2.3 | 2.4 | 2.6 | 2.8 | - | - | - | - | - | - | - | 2.56 |
| | C213 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | - | - | - | - | - | - | - | 2.6 |
| | C214 | 2.72 | 2.3 | 2.8 | 2.5 | 3 | - | - | - | - | - | - | - | 2.66 |
| | C215 | 3 | 3 | 2.7 | 2.8 | 2.9 | - | - | - | - | - | - | - | 2.88 |
| | C216 | 3 | 3 | 3 | - | - | - | - | - | - | - | - | - | 3 |
| | C217 | 3 | 2.9 | 3 | 2.8 | - | - | - | - | - | - | - | - | 2.92 |
| C218 | 3 | 3 | 2.7 | 2.8 | 2.9 | - | - | - | - | - | - | - | 2.88 | |
| S5 | C301 | 2.4 | 2.36 | 2.68 | 2.48 | 2.6 | 2.4 | - | - | - | - | - | - | 2.48 |
| | C302 | 2.4 | 2.36 | 2.68 | 2.48 | 2.6 | - | - | - | - | - | - | - | 2.505 |



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www.vjcet.org

| | | | | | | | | | | | | | | |
|----|---------|------|------|------|------|------|------|------|------|---|---|---|---|-------|
| | C303 | 2.76 | 2.94 | 2.88 | 2.7 | 2.76 | - | - | - | - | - | - | - | 2.82 |
| | C304 | 3 | 2.4 | 3 | 2.84 | 3 | - | - | - | - | - | - | - | 2.85 |
| | C305 | 2.4 | 2.36 | 2.68 | 2.48 | 2.6 | 2.4 | - | - | - | - | - | - | 2.48 |
| | C306 | 3 | 2.94 | 2.88 | 3 | 2.76 | 3 | - | - | - | - | - | - | 2.93 |
| | C307 | 3 | 3 | 3 | - | - | - | - | - | - | - | - | - | 3 |
| | C308 | 3 | 2.82 | 3 | 2.76 | 2.86 | 3 | - | - | - | - | - | - | 2.9 |
| | C309 | 2.76 | 2.94 | 2.88 | 2.7 | 2.76 | 3 | - | - | - | - | - | - | 2.84 |
| | C310 | 2.72 | 2.93 | 2.68 | 3 | - | - | - | - | - | - | - | - | 2.83 |
| | C311 | 2.2 | 2.52 | 2.64 | 2.52 | 3 | - | - | - | - | - | - | - | 2.58 |
| | C312-05 | 2.84 | 3 | 2.82 | 3 | 2.52 | - | - | - | - | - | - | - | 2.3 |
| | C312-06 | 2.84 | 2.52 | 2.82 | 3 | 2.52 | - | - | - | - | - | - | - | 2.72 |
| S6 | C313 | 2.2 | 2.53 | 3 | 2.52 | 3 | - | - | - | - | - | - | - | 2.65 |
| | C314 | 2.8 | 3 | 3 | 2.8 | - | - | - | - | - | - | - | - | 2.9 |
| | C315 | 2.9 | 3 | 2.7 | 2.6 | 3 | - | - | - | - | - | - | - | 2.84 |
| | C316 | 2.9 | 2.82 | 2.72 | - | - | - | - | - | - | - | - | - | 2.81 |
| | C401 | 2.64 | 2.9 | 2.84 | 3 | 3 | - | - | - | - | - | - | - | 2.88 |
| | C402-01 | 3 | 3 | 3 | 3 | 3 | - | - | - | - | - | - | - | 3 |
| | C403 | 3 | 3 | 3 | 3 | 3 | - | - | - | - | - | - | - | 3 |
| S7 | C404 | 3 | 3 | 3 | 3 | 3 | - | - | - | - | - | - | - | 3 |
| | C405 | 3 | 3 | 3 | 3 | 3 | - | - | - | - | - | - | - | 3 |
| | C406-01 | 2.64 | 2.48 | 2.4 | 2.72 | 2.72 | 2.72 | 2.72 | 2.72 | - | - | - | - | 2.64 |
| | C406-03 | 2.72 | 2.64 | 2.72 | 2.64 | 2.72 | - | - | - | - | - | - | - | 2.69 |
| | C407 | 3 | 3 | 2.64 | 3 | 3 | 3 | - | - | - | - | - | - | 2.94 |
| | C408 | 3 | 3 | 3 | 3 | 3 | 3 | - | - | - | - | - | - | 3 |
| S8 | C409-06 | 3 | 3 | 3 | 3 | 3 | - | - | - | - | - | - | - | 3 |
| | C409-05 | 3 | 3 | 3 | 3 | 2.88 | - | - | - | - | - | - | - | 2.975 |
| | C409-03 | 2.8 | 3 | 3 | 3 | 3 | - | - | - | - | - | - | - | 2.96 |


Dr. Shine George
HOD, Civil Department





VISWAJYOTHITM

COLLEGE OF ENGINEERING & TECHNOLOGY

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PO ATTAINMENT

| Semester | Course Code | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 | PO 9 | PO 10 | PO 11 | PO 12 |
|----------|-------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|
| S1S2 | C101 | 2.16 | 1.87 | 2.01 | 1.73 | - | 1.29 | - | 1.74 | 1.72 | - | - | 1.59 |
| | C102 | 1.83 | 0.98 | 1.00 | 1.00 | - | - | - | - | - | - | - | 1.00 |
| | C110 | 1.93 | 1.91 | - | 1.80 | 1.90 | 1.96 | - | 2.00 | - | - | - | - |
| | C111 | 2.95 | - | 2.62 | 2.30 | 1.47 | - | 0.99 | - | 2.95 | - | - | - |
| | C105 | 2.17 | 2.17 | 1.45 | - | 1.47 | - | 0.72 | 1.45 | - | 1.45 | - | 0.72 |
| | C106 | 2.34 | 1.70 | 1.42 | 1.10 | 0.94 | 0.89 | - | - | - | - | - | 0.94 |
| | C115 | 0.99 | - | 1.00 | - | 2.00 | 1.50 | 3.00 | 2.00 | 2.00 | 1.00 | - | 1.17 |
| | C108 | 1.82 | 2.40 | 1.00 | 2.00 | 1.00 | 1.97 | - | 1.97 | 1.65 | 1.60 | 1.00 | - |
| | C114 | 1.32 | - | 1.15 | 0.69 | 1.47 | - | 0.69 | 0.69 | 0.68 | - | - | 1.38 |
| | C103 | 1.93 | 1.45 | - | 0.97 | - | 1.93 | 1.13 | - | 0.97 | - | 1.13 | 1.93 |
| | C104 | 2.99 | 2.99 | 1.99 | 1.00 | 1.00 | 0.99 | - | - | 1.00 | - | - | 1.67 |
| | C112 | 2.66 | 2.66 | 2.70 | - | 2.70 | 2.22 | 2.30 | 2.48 | 2.10 | 2.10 | 2.04 | 2.30 |
| | C113 | 2.00 | 2.00 | 1.20 | 1.00 | 1.00 | - | 1.00 | 1.00 | 2.00 | 1.00 | 1.00 | - |
| | C109 | 1.95 | 0.92 | 1.89 | - | 2.00 | 1.94 | - | 0.99 | 1.94 | 0.97 | 0.92 | 1.84 |
| | C107 | 2.00 | - | 1.50 | - | - | 2.00 | 2.00 | 2.00 | 2.00 | 1.00 | 1.00 | 1.00 |
| | C201 | 3.00 | 2.00 | - | - | - | - | - | - | 2.00 | - | - | - |
| C202 | 3.00 | 1.75 | 1.50 | 1.00 | 1.00 | 1.50 | - | 1.00 | 2.00 | 1.00 | - | 2.00 | |
| C203 | 1.67 | 1.25 | 1.00 | - | 1.83 | 1.00 | 1.00 | 1.00 | 1.00 | 2.00 | 1.00 | - | |
| C204 | 12 | 1.12 | 0.74 | - | - | - | - | - | - | - | - | - | 0.77 |
| C205 | 1.57 | 1.45 | - | 0.91 | 1.02 | 0.56 | - | - | - | - | - | - | 1.74 |
| C206 | 1.72 | 1.80 | 2.08 | 1.55 | - | - | - | - | - | 1.47 | 0.74 | - | |
| C207 | 1.57 | 1.04 | 1.04 | - | - | - | 1.23 | - | - | - | - | - | 1.04 |
| C208 | 1.39 | 0.74 | 1.07 | 0.53 | 1.39 | - | - | - | - | - | - | 1.07 | - |
| C209 | - | 1.87 | 3.00 | 1.87 | - | - | - | 2.00 | - | - | - | 1.96 | 2.00 |
| C210 | 3.00 | 3.00 | 3.00 | 2.50 | - | 1.50 | - | - | 1.33 | - | - | - | - |
| C211 | 1.84 | 0.90 | 0.90 | - | 2.75 | - | - | 1.80 | 2.75 | 1.84 | - | - | 2.75 |
| C212 | 12 | 2.45 | 2.03 | 1.87 | - | 1.32 | - | - | 1.00 | - | - | - | 2.27 |
| C213 | 1.00 | 2.78 | - | 0.66 | 0.33 | - | - | - | - | 0.80 | 0.40 | - | - |
| C214 | 2.05 | 1.47 | 1.46 | 1.45 | - | 0.98 | 0.97 | - | - | - | - | - | 2.04 |
| C215 | 1.11 | 0.94 | - | 0.94 | 3.00 | 0.94 | 0 | - | - | - | - | - | - |
| C216 | 2.63 | 2.47 | 2.75 | 2.29 | 1.39 | 1.87 | - | - | 1.80 | 1.88 | - | - | 2.55 |
| C217 | - | 1.00 | - | - | - | 1.00 | - | 1.33 | - | - | - | - | - |
| C218 | 2.67 | 2.25 | 2.33 | 2.33 | - | 2.00 | 2 | 2.00 | - | 2.00 | - | - | 2.00 |
| C301 | 1.84 | 1.38 | 0.92 | - | - | 0.92 | - | - | 0.92 | - | - | - | - |
| C302 | 1.54 | 1.72 | 1.49 | - | - | - | - | - | 1.52 | - | - | - | - |
| C303 | 1.89 | 2.58 | 1.94 | 1.72 | 1.50 | - | - | - | - | - | - | - | 0.86 |
| S3 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
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| S4 | | | | | | | | | | | | | |
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| S5 | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | |

HEAD OF CIVIL ENGINEERING
VISWAJYOTHI COLLEGE OF ENGE. & TECH.
VAZHAKULAM, MUVAATTUPUZHA, KERALA



VISWAJYOTHI

COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE New Delhi & Affiliated to APJ Abdul Kalam Technological University

TM

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| | | | | | | | | | | | | | | |
|-------------------|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | C304 | 2.85 | 2.65 | - | 1 | - | - | 0.95 | - | - | - | - | - | |
| | C305 | 1.30 | 0.90 | 0.75 | 0.55 | 0.55 | - | - | - | - | - | - | 0.90 | |
| | C306 | 1.10 | 0.94 | 0.94 | 0.94 | 2.90 | 0.94 | 0.94 | - | 1.44 | - | - | 2.56 | |
| | C307 | 3 | 2 | 2 | 2 | 1 | 3 | - | - | 2 | 2 | - | 2 | |
| | C308 | 2.65 | 1.32 | 1.94 | 2.07 | 1.00 | 1.25 | 0.92 | 0.90 | 1.00 | 1.14 | - | 1.77 | |
| S6 | C309 | 2.57 | 2.87 | 2.16 | 2.40 | 2.80 | - | - | - | - | - | - | - | |
| | C310 | 1.38 | 1.55 | 1.55 | 0.68 | 1.37 | - | - | - | - | - | - | - | |
| | C311 | 2.61 | 1.95 | 2.58 | - | - | 1 | 0.87 | - | - | - | - | - | |
| | C312-05 | 2.83 | 2.64 | 2.64 | 1.76 | 2.06 | 1.89 | 2.83 | - | - | - | - | - | |
| | C312-06 | 2.61 | 1.95 | 2.58 | - | - | 1 | 0.87 | - | - | - | - | - | |
| | C313 | 2.09 | 2.94 | 2.46 | - | - | - | - | - | - | - | - | - | |
| | C314 | 2.57 | 2.87 | 2.16 | 2.40 | 2.80 | - | 1.80 | - | - | - | - | - | 1.90 |
| | C315 | 2.09 | 2.94 | 2.46 | - | - | - | - | - | - | - | - | - | - |
| | C316 | 2.61 | 1.95 | 2.58 | - | - | 1 | - | - | - | - | - | - | - |
| | S7 | C401 | 2.09 | 2.94 | 2.46 | - | - | - | - | - | - | - | - | - |
| C402-01 | | 2.32 | 1.92 | 2.32 | - | - | - | - | - | - | - | - | - | |
| C403 | | 2.09 | 2.94 | 2.46 | - | - | - | - | - | - | - | - | - | |
| C404 | | 2.8 | 2.5 | 2 | 2.33 | 2.33 | 2 | 1 | 1.33 | 2.67 | - | - | 3 | |
| C405 | | 2 | 2.33 | 2.33 | 1 | 1.8 | 2.5 | 2.5 | 1.75 | 1.8 | - | 1.6 | 1.33 | |
| C406-01 | | 2.32 | 1.92 | 2.32 | - | - | - | - | - | - | - | - | - | |
| C406-03 | | 3 | 2.67 | 2.67 | 2.33 | - | 2.33 | - | - | - | - | - | 2 | |
| S8 | C407 | 2.5 | 2 | - | - | - | - | - | - | - | - | - | - | |
| | C408 | 2 | 2.33 | 2.33 | 1 | 1.8 | 2.5 | 2.5 | 1.75 | 1.8 | - | 1.6 | - | |
| | C409-06 | 3 | - | - | - | - | 2.2 | 1.8 | - | - | - | - | - | |
| | C409-05 | 2.55 | 1.95 | 2.42 | 1.31 | 2.61 | 2 | 1.28 | - | - | - | - | - | |
| | C409-03 | 2.76 | 2.2 | 2.7 | 0.98 | - | 1.64 | 1.93 | 1.23 | 1 | 1.62 | - | - | |
| DIRECT ATTAINMENT | | 2.50 | 1.96 | 1.90 | 1.47 | 1.69 | 1.58 | 1.43 | 1.56 | 1.66 | 1.46 | 1.18 | 1.71 | |

(Handwritten Signature)

Dr. Shine George
HOD, Civil Department

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Overall PO Attainment

| Tools | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 | PO 9 | PO 10 | PO 11 | PO 12 |
|-------------------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|
| Direct Attainment | 2.50 | 1.96 | 1.90 | 1.47 | 1.69 | 1.58 | 1.43 | 1.56 | 1.66 | 1.46 | 1.18 | 1.71 |
| Indirect Attainment | 2.30 | 2.15 | 2.14 | 2.00 | 2.12 | 2.15 | 2.20 | 2.30 | 2.31 | 2.15 | 2.18 | 2.25 |
| 70% Direct Attainment | 1.75 | 1.37 | 1.33 | 1.02 | 1.18 | 1.10 | 1.00 | 1.09 | 1.16 | 1.02 | 0.82 | 1.19 |
| 30% Indirect Attainment | 0.69 | 0.64 | 0.64 | 0.6 | 0.63 | 0.64 | 0.66 | 0.69 | 0.69 | 0.64 | 0.65 | 0.67 |
| Overall Attainment | 2.44 | 2.01 | 1.97 | 1.62 | 1.81 | 1.74 | 1.66 | 1.78 | 1.85 | 1.66 | 1.47 | 1.86 |


Dr. Shine George
HOD, Civil Department

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING BATCH : 2019 - 2023

CO ATTAINMENT

| Semester | Course | CO1 | CO2 | CO3 | CO4 | CO5 | CO6 | CO7 | CO8 | CO9 | CO10 | CO11 |
|----------|---------|------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|
| S1 | C101 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | | | | | | |
| | C102 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | | | | | | |
| | C104 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | | | | | | |
| | C105 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | | | | | | |
| | C106 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | | | | | |
| | C107 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| | C108 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | | | | |
| | C109 | 3 | 2.9 | 2.9 | 2.9 | 2.9 | 3 | 2.9 | | | | |
| | C110 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | | | | | |
| | C111 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | | | | |
| | C112 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | | |
| | C113 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | | | |
| | C114 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | | | | |
| | C115 | 2.9 | 2.9 | 3 | 2.9 | 2.9 | 2.9 | 2.9 | | | | |
| | C116 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | | | | |
| | S3 | C201 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | | | | | |
| C202 | | 2.9 | 2.8 | 2.9 | 2.9 | 2.9 | 2.9 | | | | | |
| C203 | | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | | | | | | |
| C204 | | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | | | | | | |
| C205 | | 2.9 | 2.9 | 2.9 | | | | | | | | |
| C206 | | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | | | | | | |
| C207 | | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | | | | | | |
| C208 | | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | | | | | |
| C209 | | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | | | | | |
| S4 | C211 | 3 | 2.9 | 2.9 | 2.8 | 2.9 | | | | | | |
| | C212 | 2.9 | 2.9 | 2.9 | 2.7 | 2.9 | 2.9 | | | | | |
| | C213 | 2.9 | 2.9 | 2.7 | 2.9 | 2.7 | 3 | | | | | |
| | C214 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | | | | | |
| | C215 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | | | | | |
| | C216 | 2.9 | 2.9 | 2.9 | 2.9 | | | | | | | |
| | C217 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | | | | | |
| S5 | C301 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | | | | | | |
| | C302 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | | | | | |
| | C303 | 2.9 | 2.9 | 2.9 | 2.9 | 2.7 | 2.9 | | | | | |
| | C304 | 2.9 | 2.9 | 2.6 | 2.8 | 2.9 | | | | | | |
| | C305 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | | | | | | |
| | C306 | 2.9 | 2.8 | 2.9 | 2.2 | 2.7 | 2.9 | | | | | |
| | C307 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | | | | | | |
| | C308 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | | | | | |
| | C311 | 2.9 | 2.9 | 2.8 | 2.9 | 2.9 | | | | | | |
| S6 | C312 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | | | | | |
| | C313 | 2.9 | 2.9 | 2.9 | 3 | 2.9 | 3 | | | | | |
| | C314L5 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.8 | | | | | |
| | C315 | 2.5 | 2.2 | 2.2 | 2.7 | 2.9 | | | | | | |
| | C316 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | | | | | |
| | C317 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | | | | | | |
| | C318 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | | | | | | |
| S7 | C401 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | | | | | | |
| | C402L6 | 3 | 2.9 | 3 | 2.9 | 2.9 | | | | | | |
| | C404 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | | | | | | |
| | C405 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | | | | | |
| | C406 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | | | | | | |
| | C407 | 2.9 | 2.9 | 3 | 2.9 | 2.9 | 2.9 | | | | | |
| | C408OL1 | 2.2 | 2.2 | 2.2 | | | | | | | | |
| | C408OL2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | | | | |
| C408OL3 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | | | | | | |
| S8 | C411 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | | | | | |
| | C412L4 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | | | | | | |
| | C413L7 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | | | | | |
| | C414L4 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | | | | | |
| | C416 | 3 | 3 | 3 | 3 | 3 | 3 | | | | | |

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www.vjcet.org

PO ATTAINMENT

| Semster | Course | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | |
|----------|--------|------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|-----|
| S1 S2 | C101 | 2.9 | 2.7 | 2.9 | 2.7 | 1.8 | 1 | - | - | 1 | 2 | - | 2 | |
| | C102 | 2.9 | 1.6 | - | - | - | - | - | 1 | 1.9 | - | - | 1 | |
| | C104 | 1 | 1.2 | 1 | 1 | 2 | - | 2.9 | - | - | - | - | - | |
| | C105 | 2.7 | 2.7 | - | - | - | - | - | - | - | - | - | - | |
| | C106 | 2.9 | 1 | - | - | 2.9 | - | - | - | - | 2 | - | - | |
| | C107 | 2.9 | 1.6 | - | 1 | 2.9 | 2.4 | 2.4 | 2.4 | 2 | - | - | - | |
| | C108 | 2.4 | 1 | - | - | - | - | - | - | - | - | - | - | 1.9 |
| | C109 | - | 3 | 2 | 1 | - | 1.3 | - | 1 | 2.2 | 2.6 | 1 | 2 | |
| | C110 | 2.9 | - | - | - | 2.9 | - | - | 1 | 1.9 | - | - | 1 | |
| | C111 | 2.9 | - | - | - | 2.1 | - | - | - | - | - | - | 2.9 | |
| | C112 | 1.3 | - | - | - | 1 | 1 | - | 2 | 2 | 2 | 1 | 1 | |
| | C113 | 2.5 | - | - | 1 | 1.9 | 2 | - | 1 | 2.4 | 1.6 | - | 1.6 | |
| | C114 | 2.9 | 2.9 | 2.9 | 2.9 | 2 | 1 | - | - | 1 | 2 | - | 2 | |
| | C115 | 1 | 1 | - | - | - | 1 | - | - | - | 1.3 | 2.6 | - | 2 |
| | C116 | 2.9 | 2.9 | 2.9 | 1.9 | 1.9 | 1.9 | - | - | - | - | 1.9 | 2.9 | - |
| | S3 | C201 | 2.7 | 2.7 | 2.4 | 2 | 1.6 | 2 | 2 | 2 | 1 | - | 1.5 | 1.8 |
| C202 | | 2.9 | 2.9 | 2.6 | 2.4 | - | 1 | - | - | - | - | - | 2.6 | |
| C203 | | 2.9 | 2.9 | 2.9 | 2.9 | - | 2.9 | - | - | - | - | - | 2.9 | |
| C204 | | 2.9 | 2.9 | 2.9 | 2.9 | - | - | - | - | - | 2.9 | - | 2 | |
| C205 | | 2 | 1.5 | 2 | - | - | 1 | 1 | 1 | 2 | 1.5 | - | 1.5 | |
| C206 | | - | - | - | - | - | - | - | 2.5 | - | - | 2 | - | |
| C207 | | - | - | - | - | - | 2 | 2.9 | - | - | - | - | 2 | |
| C208 | | 2.9 | 2.9 | 2.9 | 1.7 | - | 2 | - | 1.5 | - | 1 | - | 2.6 | |
| C209 | | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | - | - | 1.9 | - | 1.9 | - | 1.9 | |
| S4 | C211 | 2.9 | 2.9 | 2.9 | 2.9 | 1.9 | 1 | - | - | - | 1.9 | - | 1.9 | |
| | C212 | 1.9 | 1.9 | 1.9 | 1.9 | - | - | - | - | - | 1.9 | - | 1.9 | |
| | C213 | 2.8 | 2.8 | 1.9 | 0.9 | 2 | - | - | - | - | - | 1 | 1.9 | |
| | C214 | 2.3 | 2.6 | 2.1 | 2.1 | - | - | - | - | - | 1.5 | - | 2.8 | |
| | C215 | - | - | - | - | - | 2.8 | 2.3 | 2.8 | - | 2.6 | - | - | |
| | C216 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | - | - | 2.9 | 2.9 | - | - | 2.9 | |
| | C217 | 2.3 | 2.6 | 2.1 | 2.1 | - | - | - | 2 | - | 1.6 | - | 2.8 | |
| S5 | C301 | 2.7 | 1.9 | 1.9 | 2.4 | - | - | - | - | - | - | - | 2.5 | |
| | C302 | 2.3 | 1.6 | 1.9 | 2.9 | - | 2.9 | - | - | - | - | - | 2.8 | |
| | C303 | 2.9 | 2.1 | 2.2 | 1.8 | 2 | - | - | - | - | - | - | 1.9 | |
| | C304 | 2.8 | 2.4 | 2.4 | 2.6 | - | - | - | - | - | - | - | 1.9 | |
| | C305 | 2.9 | 2.9 | 2.7 | 2.5 | - | 1.9 | - | 1 | 2.9 | 2.9 | 2.9 | 2.5 | |
| | C306 | 2.3 | 2.5 | 2 | 2 | 1.8 | 1.8 | 2.7 | 2.9 | - | 2.6 | - | 1.8 | |
| | C307 | 2.6 | 2.4 | 2.3 | 2.1 | 2.3 | - | - | 1.6 | - | 2 | - | 2.5 | |
| | C308 | 2.9 | 1.1 | 1 | 1.6 | 2 | 1.9 | - | 2 | 1.9 | 2 | 1.9 | 2 | |





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| | | | | | | | | | | | | | |
|--------------------------|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| S6 | C311 | 2.9 | 1.9 | 1.9 | 1.7 | 1.3 | - | - | - | - | - | - | 1.9 |
| | C312 | 2.5 | 2 | 2 | 2.4 | - | 2.9 | - | - | - | - | - | 2.4 |
| | C313 | 2.9 | 2.9 | 2.8 | 2.2 | - | - | - | - | - | - | - | 2.8 |
| | C314L5 | 2.8 | 2.1 | 2.1 | 2.2 | 2.9 | 2.8 | - | - | - | 2.9 | - | 1.9 |
| | C315 | 1.7 | 1.7 | 0.9 | - | 1.5 | 1.2 | 2.2 | - | - | - | 2.5 | - |
| | C316 | 2.9 | 2.9 | - | - | - | - | - | - | - | - | - | 2.9 |
| | C317 | 2.3 | 1.9 | 1.7 | 1.5 | 1.9 | - | - | 1.9 | - | 1.9 | - | 1.9 |
| | C318 | 2.9 | 2.5 | 2.2 | 2.5 | 2.6 | 2.2 | 1.7 | 1.8 | 2.9 | 2.9 | 2.5 | 2.9 |
| S7 | C401 | 2.7 | 1.7 | 1.5 | 1.5 | 2.9 | - | - | - | - | - | - | 2.6 |
| | C402L6 | 2.9 | 2.9 | 2.6 | 2.6 | 2.9 | - | - | - | - | - | - | 2.7 |
| | C404 | 2 | 1.8 | 2 | 1 | 1 | 1.2 | 1.2 | 1.2 | 1 | 1 | - | 1 |
| | C405 | 1.9 | 1.9 | 2.1 | 1.9 | 1.5 | - | - | 1 | - | 1 | - | 1.6 |
| | C406 | 2.7 | 2.5 | 2 | 2.3 | 2.3 | 2 | 1 | 1.3 | - | 2.6 | - | 2.9 |
| | C407 | 2 | 2.3 | 2.3 | 1 | 1.8 | 2.5 | 2.5 | 1.7 | 1.8 | 2 | 1.6 | 1.3 |
| | C408OL1 | 1.5 | - | - | - | - | 0.7 | 0.7 | - | - | - | - | 0.7 |
| | C408OL2 | 1.7 | 1.9 | 1.9 | 1.5 | 1.5 | 1.8 | - | - | 1.8 | - | 1.1 | 1.8 |
| C408OL3 | 1.6 | - | - | 1.6 | 1.3 | 1.7 | 1.7 | 1.8 | - | 1.8 | - | - | |
| S8 | C411 | 2.3 | 1.3 | 2 | 1 | - | - | - | - | - | - | - | 2.3 |
| | C412L4 | 2.9 | 2.9 | 2.9 | 2.9 | - | - | - | - | - | - | - | 2.9 |
| | C413L7 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | - | - | - | - | - | - | 2.9 |
| | C414L4 | 2.3 | 1.3 | 2.1 | 2 | 2 | 1 | - | - | - | - | - | 2.3 |
| | C416 | 2 | 2.3 | 2.3 | 1 | 1.8 | 2.5 | 2.5 | 1.7 | 1.8 | 2 | 1.6 | 1.3 |
| DIRECT ATTAINMENT | | 2.5 | 2.2 | 2.2 | 2 | 2.1 | 1.8 | 2 | 1.7 | 1.9 | 2 | 1.8 | 2.1 |





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OVERALL PO ATTAINMENT

| Tool | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
|-------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| Direct Attainment | 2.5 | 2.2 | 2.2 | 2 | 2.1 | 1.8 | 2 | 1.7 | 1.9 | 2 | 1.8 | 2.1 |
| Indirect Attainment | 2.7 | 2.5 | 2.5 | 2.3 | 2.4 | 2.5 | 2.5 | 2.6 | 2.6 | 2.7 | 2.5 | 2.5 |
| 70% Direct Attainment | 1.8 | 1.5 | 1.5 | 1.4 | 1.5 | 1.3 | 1.4 | 1.2 | 1.3 | 1.4 | 1.3 | 1.5 |
| 30% Indirect Attainment | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| Overall Attainment | 2.6 | 2.3 | 2.3 | 2.1 | 2.2 | 2.1 | 2.2 | 2 | 2.1 | 2.2 | 2.1 | 2.3 |





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VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Attainment of COs 2019-2023 Batch

| Semester | Course | CO1 | CO2 | CO3 | CO4 | CO5 | CO6 | CO7 | CO8 | CO9 | CO10 | CO11 |
|----------|--------|-------|-------|-------|-------|-------|-------|------|------|-----|------|------|
| S1 | C101 | 1.88 | 1.88 | 1.88 | 1.4 | 1.88 | - | - | - | - | - | - |
| | C103 | 2.36 | 2.94 | 2.84 | 2.94 | 2.54 | 2.04 | - | - | - | - | - |
| | C104 | 2.6 | 3 | 2.6 | 2.8 | 2.6 | 2.53 | 2.72 | 2.6 | 2.4 | 2.55 | 2.59 |
| | C105 | 1.12 | 1.34 | 1.12 | 1.14 | 1.12 | 1.132 | - | - | - | - | - |
| | C107 | 2.96 | 2.94 | 2.94 | 2.94 | 2.85 | 2.96 | 2.93 | 2.92 | - | - | - |
| | C109 | 2.94 | 2.93 | 2.93 | 2.92 | 2.93 | 2.92 | - | - | - | - | - |
| | C114 | 1.39 | 1.17 | 1.53 | 1.53 | 1.54 | - | - | - | - | - | - |
| S2 | Course | CO1 | CO2 | CO3 | CO4 | CO5 | CO6 | CO7 | CO8 | CO9 | CO10 | CO11 |
| | C102 | 2.94 | 2.92 | 2.9 | 2.9 | 2.92 | - | - | - | - | - | - |
| | C106 | 2.94 | 3 | 3 | 2.93 | 2.92 | - | - | - | - | - | - |
| | C108 | 1.12 | 1.12 | 1.32 | 1.12 | 1.12 | - | - | - | - | - | - |
| | C110 | 1.8 | 1.82 | 1.79 | 1.82 | 1.81 | - | - | - | - | - | - |
| | C111 | 2.6 | 2.8 | 2.63 | 2.75 | 2.8 | 2.6 | - | - | - | - | - |
| | C112 | 1.3 | 1.2 | 1.11 | 1.12 | 1.13 | 1.12 | - | - | - | - | - |
| | C113 | 2.92 | 2.84 | 2.88 | 2.9 | 2.94 | 2.9 | - | - | - | - | - |
| | C115 | 2.38 | 2.24 | 2.28 | 2.28 | 2.28 | 2.28 | 2.29 | - | - | - | - |
| Semester | Course | CO1 | CO2 | CO3 | CO4 | CO5 | CO6 | | | | | |
| S3 | C201 | 1.32 | 1.2 | 1.12 | 1.32 | 1.32 | | | | | | |
| | C202 | 1.43 | 1.45 | 1.73 | 1.71 | 1.69 | | | | | | |
| | C203 | 2.6 | 2.6 | 2.6 | 2.6 | 2.5 | | | | | | |
| | C204 | 2.33 | 2.185 | 2.315 | | | | | | | | |
| | C205 | 2.755 | 2.81 | 2.685 | 2.755 | 2.745 | | | | | | |
| | C206 | 2.94 | 2.95 | 2.92 | 2.92 | 2.94 | | | | | | |
| | C207 | 2.36 | 2.36 | 2.36 | 2.36 | 2.36 | 2.36 | | | | | |
| | C208 | 2.04 | 2.04 | 2.04 | 2.04 | | | | | | | |
| Semester | Course | CO1 | CO2 | CO3 | CO4 | CO5 | CO6 | | | | | |
| S4 | C209 | 1.32 | 1.2 | 1.12 | 1.32 | 1.32 | | | | | | |
| | C210 | 1.43 | 1.45 | 1.73 | 1.71 | 1.69 | | | | | | |
| | C211 | 2.6 | 2.6 | 2.6 | 2.6 | 2.5 | | | | | | |
| | C212 | 2.33 | 2.185 | 2.315 | | | | | | | | |
| | C213 | 2.755 | 2.81 | 2.685 | 2.755 | 2.745 | | | | | | |
| | C214 | 2.94 | 2.95 | 2.92 | 2.92 | 2.94 | | | | | | |
| | C215 | 2.36 | 2.36 | 2.36 | 2.36 | 2.36 | 2.36 | | | | | |
| | C216 | 2.04 | 2.04 | 2.04 | 2.04 | | | | | | | |

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| Semester | Course | CO1 | CO2 | CO3 | CO4 | CO5 | CO6 |
|----------|---------|-------|-------|-------|-------|-------|------|
| S5 | C301 | 2.175 | 2.325 | 2.2 | 2.345 | 2.175 | |
| | C302 | 2 | 2 | 2 | 2 | 2 | |
| | C303 | 2.61 | 2.81 | 2.68 | 2.605 | 2.53 | |
| | C304 | 2.31 | 2.62 | 1.84 | 2.62 | 1.82 | |
| | C305 | 2.46 | 2.22 | 2.2 | 2.46 | 2.94 | |
| | C306 | 2.84 | 2.88 | 2.82 | 2.88 | 2.84 | 2.82 |
| | C307 | 2.44 | 2.44 | 2.64 | | | |
| | C308 | 2.4 | 2.4 | 2.2 | 2.4 | 2.4 | |
| Semester | Course | | | | | | |
| S6 | C309 | 2.34 | 2.33 | 2.35 | 2.34 | 2.34 | |
| | C310 | 2.25 | 2.245 | 2.11 | 2.34 | 2.38 | |
| | C311 | 2.9 | 2.8 | 2.93 | 2.795 | 2.89 | |
| | C312L1 | 2.8 | 3 | 2.8 | 2.8 | 2.8 | |
| | C312L5 | 2.8 | 2.8 | 2.68 | 2.8 | | |
| | C313 | 1.79 | 1.75 | 1.47 | 1.65 | 1.67 | 1.71 |
| | C314 | 0.58 | 0.58 | 0.55 | 0.56 | 0.58 | |
| | C315 | 2.04 | 2.04 | 2.04 | 2.04 | | |
| | C316 | 3 | 3 | 3 | 3 | 3 | |
| Semester | Course | CO1 | CO2 | CO3 | CO4 | CO5 | CO6 |
| S7 | C401 | 2.9 | 2.92 | 2.94 | 2.92 | 2.88 | 2.9 |
| | C402L1 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | |
| | C402L2 | 0.92 | 0.8 | 0.92 | 0.92 | | |
| | C403GL1 | 3 | 3 | 3 | 3 | 3 | |
| | C403GL2 | 2.28 | 2.28 | 1.88 | | | |
| | C403GL3 | 1.48 | 1.54 | 1.48 | 1.52 | 1.58 | |
| | C403GL4 | 2.94 | 2.92 | 2.94 | 2.92 | 2.92 | 2.92 |
| | C404 | 2.735 | 2.535 | 2.365 | 2.435 | 2.48 | |
| | C405 | 2.94 | 2.94 | 2.92 | | | |
| | C406 | 3 | 3 | 3 | 3 | 3 | |
| | C407 | 3 | 3 | 3 | 3 | 3 | 3 |
| Semester | Course | CO1 | CO2 | CO3 | CO4 | CO5 | CO6 |
| S8 | C408 | 2.69 | 2.3 | 2.53 | 2.27 | 2.25 | |
| | C409L1 | 2.91 | 2.77 | 2.92 | 2.83 | 2.92 | |
| | C409L3 | 3 | 3 | 3 | 2.85 | 3 | 3 |
| | C410L2 | 2.91 | 2.93 | 2.9 | 2.45 | 2.68 | |
| | C410L4 | 2.9 | 2.92 | 2.88 | 2.9 | 2.88 | |
| | C411L6 | 2.605 | 2.3 | 2.585 | 2.27 | 2.25 | |
| | C412 | 0.6 | | | | | |
| | C413 | 3 | 3 | 3 | 3 | 3 | 3 |

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Attainment of POs 2019-2023 Batch

| Semester | Course | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
|----------|--------|-------|-------|-------|-------|-------|-------|------|------|-------|-------|------|-------|
| S1 | C101 | 2.39 | 2.245 | 2.39 | 2.245 | 1.45 | 0.795 | - | - | 0.795 | 1.595 | - | 1.595 |
| | C103 | 2.95 | 0.73 | - | - | 1.3 | - | - | - | - | 1.96 | - | - |
| | C104 | 3 | 1.67 | - | 1 | 3 | 2.5 | 2.5 | 2.5 | 2 | - | - | - |
| | C105 | - | 0.97 | 0.72 | 0.49 | - | 0.8 | - | 0.82 | 1.32 | 1.1 | 0.42 | 0.97 |
| | C107 | 2.67 | - | - | - | 1.92 | 2.31 | - | 1.59 | 2.43 | 2.33 | 0.89 | 0.92 |
| | C109 | 2.93 | - | - | - | 2.115 | - | - | - | - | - | - | 2.93 |
| | C114 | 0.475 | 0.715 | 0.465 | 0.47 | 0.9 | - | 1.54 | | | | | |
| S2 | C102 | 2.92 | 1.56 | - | - | - | - | - | 0.97 | 1.94 | - | - | 0.97 |
| | C106 | 1.9 | - | - | - | 2.18 | - | - | 1.67 | 2.33 | - | - | 1.67 |
| | C108 | 1.16 | 1.16 | 1.16 | 1.16 | 0.77 | 0.39 | - | - | 0.39 | 0.77 | - | 0.77 |
| | C110 | 2.84 | 2.76 | - | - | - | - | - | - | - | - | - | - |
| | C111 | 2 | 1.6 | 1.67 | 1 | 1.6 | 2 | 1.2 | - | 1 | - | 1.2 | 2 |
| | C112 | 0.12 | 0.12 | - | - | - | 0.25 | - | - | 0.5 | 1.99 | - | 0.75 |
| | C113 | 1.06 | 0.86 | 1.67 | 1 | 1.6 | 1.125 | - | - | - | 1.99 | 1.2 | 1.375 |
| C115 | 2.45 | - | - | 0.34 | 1.42 | 1.12 | - | 0.35 | 1.37 | 1.27 | - | 2.61 | |
| S3 | C201 | 1.255 | 1.255 | 1.255 | 1.255 | 0.835 | 0.42 | | | | 0.835 | | 0.835 |
| | C202 | 1.6 | 1.58 | | | | | | | | | | |
| | C203 | 2.58 | 2.58 | 2.57 | - | 2.5 | | | | | | | |
| | C204 | 2.445 | 2.445 | | | | | | | | | | 1.63 |
| | C205 | | | | | | 1.935 | 2.9 | | | | | 1.935 |
| | C206 | - | - | - | - | - | - | - | 2.54 | - | - | 1.96 | - |
| | C207 | 2.36 | 2.36 | 1.34 | 1.46 | 2.36 | | | | 2.36 | 1.18 | | 1.1 |
| | C208 | 2.04 | 1.36 | 1.36 | 2.04 | 2.04 | - | - | - | 2.04 | 0.68 | - | 2.04 |
| S4 | C209 | 2.895 | 1.93 | 1.93 | 1.93 | 1.93 | | | | | 1.93 | | 0.965 |
| | C210 | 2.61 | 2.61 | - | - | - | - | - | - | - | - | - | 1.74 |
| | C211 | 1.06 | 1.06 | 1.1 | - | - | - | - | - | - | - | - | - |
| | C212 | 2.78 | 2.16 | 2.58 | - | 2.72 | - | - | - | - | - | - | 2.78 |
| | C213 | 1.73 | 1.2 | 1.73 | - | - | 0.82 | 0.87 | 0.77 | 1.73 | 1.3 | - | 1.2 |
| | C214 | - | - | - | - | - | 2.3 | 1.9 | 2.3 | - | 2.16 | - | - |
| | C215 | 1.32 | 1.32 | 1.32 | - | 1.32 | - | - | - | 1.03 | - | - | 1.03 |
| | C216 | 2.17 | | 2.17 | 1.81 | 2.17 | 2.16 | | | 2.17 | | 2.16 | 2.17 |

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| | | | | | | | | | | | | | |
|---------------------|--------|-------|-------|-------|-------|-------|-------|------|-------|------|------|------|-------|
| S5 | C301 | 2.425 | 2.425 | 1.29 | 1.62 | 1.635 | | | | | | | 0.81 |
| | C302 | 2.36 | 2.36 | 1.26 | 1.58 | 1.59 | - | - | - | - | - | - | 0.79 |
| | C303 | 2.63 | 2.63 | 1.755 | 2.63 | 2.63 | 1.72 | | | | | | 1.72 |
| | C304 | 2.245 | 1.615 | 2.12 | | | | | | | | | 1.495 |
| | C305 | 1.64 | 1.64 | 0.84 | | | | | | | | | |
| | C306 | 2.47 | 2.66 | 2.23 | 1.88 | 1.9 | 1.9 | 2.85 | 2.82 | - | 2.53 | - | 1.9 |
| | C307 | 2.21 | 2.21 | 2.21 | 1.63 | 2.1 | - | - | - | 1.96 | 1.76 | - | 1.96 |
| | C308 | 2.31 | 2.31 | 0.98 | 1.425 | 2.31 | | | | 2.32 | 1.47 | | 0.78 |
| S6 | C309 | 2.34 | 2.34 | 0.78 | 0.78 | | | | | | | | |
| | C310 | 2.265 | 1.485 | 2.105 | | | | | | | | | 1.51 |
| | C311 | 2.87 | 2.87 | 1.91 | 2.86 | 2.86 | 1.92 | | | | | | 1.92 |
| | C312L1 | 2.65 | 2.62 | 2.8 | 1.87 | 1.93 | | | | 1.89 | 1.89 | | 2.84 |
| | C312L5 | 2.77 | 2.77 | 2.3 | | 0.92 | | | | | | | 1.85 |
| | C313 | 1.11 | 1.07 | 1.07 | 1.07 | 0.56 | 0.72 | 0.77 | 0.97 | 0.57 | 1.01 | 0.68 | 0.57 |
| | C314 | 0.57 | 0.49 | 0.19 | | | | | | | | | 0.38 |
| | C315 | 2.04 | 1.36 | 1.36 | 2.04 | 2.04 | - | - | - | 2.04 | 0.68 | - | 2.04 |
| | C316 | 2.8 | 2.5 | 2 | 2.33 | 2.33 | 2 | 1 | 1.33 | 2.67 | | | 3 |
| S7 | C401 | 2.91 | 2.91 | 1.94 | 2.91 | 2.91 | 1.94 | - | - | - | - | - | 1.94 |
| | C402L1 | 2.8 | 2.8 | 1.49 | | | | | | | | | 0.93 |
| | C402L2 | 0.89 | 0.89 | 0.89 | - | - | - | - | - | - | - | - | 0.59 |
| | C403GL | 2 | - | - | 2.33 | 1.5 | 2 | 2.25 | 2.5 | - | 2.5 | - | - |
| | C403GL | 1.43 | - | - | - | - | 0.72 | 0.72 | - | - | - | - | 0.72 |
| | C403GL | 1.01 | 1.15 | 1.4 | 0.49 | - | - | - | - | - | - | - | 1.01 |
| | C403GL | 2.28 | 2.6 | 2.6 | 1.95 | 1.95 | 2.44 | - | - | 2.44 | - | 1.46 | 2.44 |
| | C404 | 1.67 | 1.505 | 1.635 | 0.83 | 0.82 | 1.02 | 1.02 | 0.895 | 0.81 | 0.87 | | 0.84 |
| | C405 | 2.93 | 2.93 | 2.93 | 1.95 | 2.92 | - | - | - | 2.93 | - | - | 2.93 |
| | C406 | 2.8 | 2.5 | 2 | 2.33 | 2.33 | 2 | 1 | 1.33 | 2.67 | | | 3 |
| S8 | C407 | 2 | 2.33 | 2.33 | 1 | 1.8 | 2.5 | 2.5 | 1.75 | 1.8 | 2 | 1.6 | 1.33 |
| | C408 | 2.8 | 2.8 | 2.41 | 0.93 | 2.41 | - | - | - | - | - | - | 1.87 |
| | C409L1 | 2.87 | 2.49 | | | | | | | | | | |
| | C409L3 | 2.975 | 2.805 | 1.65 | 1.965 | | 1.325 | | 3 | 0.99 | | | 1.985 |
| | C410L2 | 1.83 | 2.61 | 1.79 | - | - | - | 2.08 | - | - | - | 1.79 | 1.83 |
| | C410L4 | 2.9 | 2.9 | 2.51 | - | - | - | - | - | - | - | - | 1.93 |
| | C411L6 | 1.76 | | 0.86 | | | | 1.74 | | | | | 0.87 |
| | C412 | 0.4 | 0.4 | 0.4 | 0.4 | | | | | | | | 0.4 |
| C413 | 2 | 2.33 | 2.33 | 1 | 1.8 | 2.5 | 2.5 | 1.75 | 1.8 | 2 | 1.6 | 1.33 | |
| Direct Attainment | | 2.12 | 1.92 | 1.67 | 1.51 | 1.88 | 1.56 | 1.73 | 1.66 | 1.72 | 1.58 | 1.36 | 1.55 |
| Indirect Attainment | | 2.41 | 2.8 | 2.8 | 2.41 | 2.28 | 2.6 | 2.6 | 1.8 | 1.75 | 1.9 | 1.5 | 1.7 |
| Total Attainment | | 2.18 | 2.1 | 1.9 | 1.69 | 1.96 | 1.77 | 1.9 | 1.69 | 1.73 | 1.64 | 1.39 | 1.58 |

| | | | | | | | | | | | | |
|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 70% of Direct Attainment | 1.7 | 1.54 | 1.34 | 1.21 | 1.5 | 1.25 | 1.38 | 1.33 | 1.38 | 1.26 | 1.09 | 1.24 |
| 30% of Indirect Attainment | 0.48 | 0.56 | 0.56 | 0.48 | 0.46 | 0.52 | 0.52 | 0.36 | 0.35 | 0.38 | 0.3 | 0.34 |
| Total Attainment | 2.18 | 2.1 | 1.9 | 1.69 | 1.96 | 1.77 | 1.9 | 1.69 | 1.73 | 1.64 | 1.39 | 1.58 |

HEAD, ELECTRONICS & COMM. ENGG. DEPT
VISWAJYOTHI COLLEGE OF ENGG. & TECHNOLOGY
VAZHAKULAM P.O., MUVAATTUPUZHA



VISWAJYOTHITM

COLLEGE OF ENGINEERING & TECHNOLOGY

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**DEPARTMENT OF
ELECTRICAL AND ELECTRONICS ENGINEERING
BATCH: 2019-2023**

CO ATTAINMENT

| Semester | Course Code | CO1 | CO2 | CO3 | CO4 | CO5 | CO6 | CO7 | CO8 | CO9 | CO10 | CO11 |
|----------|-------------|------|------|------|------|------|------|------|-----|-----|------|------|
| S1 | C101 | 2.94 | 2.94 | 2.92 | 2.94 | 2.92 | - | - | - | - | - | - |
| | C102 | 2.92 | 2.92 | 2.92 | 2.92 | 2.92 | - | - | - | - | - | - |
| | C103 | 1.84 | 1.82 | 1.82 | 1.82 | 1.82 | - | - | - | - | - | - |
| | C104 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| | C105 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | - | - | - | - | - |
| | C106 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | - | - | - | - | - |
| | C107 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | - | - |
| S2 | C108 | 2.9 | 2.88 | 2.92 | 2.92 | 2.92 | - | - | - | - | - | - |
| | C109 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | - | - | - | - | - | - |
| | C110 | 2.96 | 2.94 | 2.94 | 2.94 | 2.94 | 2.94 | - | - | - | - | - |
| | C111 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | - | - | - | - | - |
| | C112 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | - | - | - | - | - |
| | C113 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | - | - | - | - | - |
| | C114 | 3 | 3 | 3 | 3 | 3 | - | - | - | - | - | - |
| S3 | C115 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | - | - | - | - |
| | C201 | 2.5 | 2.5 | 3 | 3 | 3 | - | - | - | - | - | - |
| | C202 | 2.1 | 1.6 | 2.2 | 1.6 | 2.2 | 2.2 | - | - | - | - | - |
| | C203 | 1.6 | 2.2 | 2 | 2 | 2.2 | 2.2 | - | - | - | - | - |
| | C204 | 1.4 | 1.2 | 1.4 | 1.4 | 1.4 | 0.8 | - | - | - | - | - |
| | C205 | 2.75 | 3 | 2.67 | - | - | - | - | - | - | - | - |
| | C206 | 3 | 2.9 | 3 | 3 | 2.4 | - | - | - | - | - | - |
| | C207 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | - | - | - |
| S4 | C208 | 3 | 2.8 | 3 | 3 | 3 | 3 | - | - | - | - | - |
| | C209 | 3 | 3 | 3 | 3 | 3 | - | - | - | - | - | - |
| | C210 | 3 | 2.9 | 3 | 3 | 3 | 3 | - | - | - | - | - |
| | C211 | 2.04 | 2.04 | 1.56 | 1.32 | 1.32 | - | - | - | - | - | - |
| | C212 | 3 | 3 | 3 | 2.6 | 3 | - | - | - | - | - | - |
| | C213 | 2.7 | 2.7 | 2.5 | 2.7 | 2.7 | - | - | - | - | - | - |
| | C214 | 3 | 3 | 3 | 3 | 3 | 3 | - | - | - | - | - |
| | C215 | 3 | 3 | 3 | 3 | 3 | 3 | - | - | - | - | - |
| S5 | C216 | 3 | 3 | 3 | 3 | 3 | - | - | - | - | - | - |
| | C301 | 2.5 | 2.5 | 3 | 3 | 3 | - | - | - | - | - | - |
| | C302 | 3 | 3 | 3 | 3 | 3 | - | - | - | - | - | - |
| | C303 | 3 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | - | - | - | - | - |

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| | | | | | | | | | | | | |
|----|---------|------|------|------|------|------|-----|---|---|---|---|---|
| | C304 | 3 | 3 | 3 | 3 | 3 | - | - | - | - | - | - |
| | C305 | 3 | 3 | 3 | 3 | 3 | - | - | - | - | - | - |
| | C306 | 2.2 | 1.8 | 1.6 | 2.1 | 2.2 | 2.2 | - | - | - | - | - |
| | C307 | 3 | 3 | 3 | - | - | - | - | - | - | - | - |
| | C308 | 3 | 3 | 3 | - | - | - | - | - | - | - | - |
| S6 | C309 | 2.7 | 2.6 | 2.6 | 2.6 | 2.5 | 2.6 | - | - | - | - | - |
| | C310 | 1.4 | 1.2 | 1.4 | 1.4 | 1.4 | 0.8 | - | - | - | - | - |
| | C311 | 1.9 | 1.6 | 1.9 | 2.4 | 2.3 | - | - | - | - | - | - |
| | C312 | 2.7 | 2.6 | 2.4 | 2.2 | - | - | - | - | - | - | - |
| | C313 | 2.4 | 2.6 | 2.5 | 2.3 | 2.5 | 2.4 | - | - | - | - | - |
| | C314 | 2.2 | 2.1 | 2.3 | 2.1 | 2.1 | - | - | - | - | - | - |
| | C315 | 2.5 | 2.3 | 2.1 | 2.6 | - | - | - | - | - | - | - |
| S7 | C316 | 2.7 | 2.6 | 2.6 | 2.5 | 2.4 | 2.3 | - | - | - | - | - |
| | C401 | 2.2 | 1.8 | 1.6 | 2.1 | 2.2 | 2.2 | - | - | - | - | - |
| | C402 | 2.8 | 2.44 | 2.56 | 2.8 | - | - | - | - | - | - | - |
| | C403 | 2.28 | 2.64 | 2.78 | 2.66 | 2.76 | - | - | - | - | - | - |
| | C404-IT | 3 | 3 | 3 | 2.4 | 3 | - | - | - | - | - | - |
| | C404-CE | 2.01 | 2.1 | 2.2 | 2.2 | 2.3 | - | - | - | - | - | - |
| | C404-ME | 2.8 | 3 | 2.6 | 3 | 3 | 2.4 | - | - | - | - | - |
| | C405 | 2.2 | 1.6 | 1.6 | 2.2 | - | - | - | - | - | - | - |
| S8 | C406 | 2.5 | 2.3 | 2.1 | 2.6 | 3 | - | - | - | - | - | - |
| | C407 | 1.2 | 1.2 | 0.8 | 1.4 | 1.3 | 0.8 | - | - | - | - | - |
| | C408 | 2.24 | 2.6 | 2.12 | 2.12 | 2.6 | - | - | - | - | - | - |
| | C409 | 2.8 | 3 | 2.6 | 3 | 3 | - | - | - | - | - | - |
| | C410 | 1.13 | 0.83 | 0.91 | 1.09 | 0.39 | - | - | - | - | - | - |
| | C411 | 2.2 | 2.1 | 2.2 | 2 | 1.6 | - | - | - | - | - | - |
| | C412 | 2.2 | - | - | - | - | - | - | - | - | - | - |
| | C413 | 3 | 2.8 | 3 | 3 | 3 | 3 | - | - | - | - | - |

SK
Head

Prof. & Head of Electrical & Electronics Dept.
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PO ATTAINMENT

| Sem ester | Course Code | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
|-----------|-------------|-------|-------|------|------|------|------|------|------|------|------|------|-------|
| S1 | C101 | 2.89 | 2.56 | 2.89 | 2.56 | 2.93 | 1.63 | - | - | 1.63 | 2.26 | - | 2.26 |
| | C102 | 1.95 | 1.62 | 0.32 | 0.97 | 1.3 | - | 0.97 | - | - | - | - | - |
| | C103 | 2.84 | 2.84 | - | - | - | - | - | - | - | - | - | - |
| | C104 | 2.53 | 2.33 | - | 0.29 | 2.47 | 1.44 | 1.44 | 1.44 | 1.73 | - | - | - |
| | C105 | - | 0.37 | 0.25 | 0.12 | - | 0.5 | - | 0.12 | 1.12 | 1 | 0.12 | 0.75 |
| | C106 | 2.76 | - | - | - | 2.16 | - | - | - | - | - | - | 2.76 |
| | C107 | 2.67 | - | - | - | 1.67 | 1.67 | - | 1.33 | 2.33 | 2.33 | 0.67 | 0.67 |
| S2 | C108 | 2.85 | 2.85 | 2.85 | 2.85 | 2.23 | 1.62 | - | - | 1.62 | 2.23 | - | 2.23 |
| | C109 | 2.8 | 2.56 | - | - | - | - | - | 1.6 | 2.23 | - | - | 1.6 |
| | C110 | 2.8 | 0.33 | - | - | 0.98 | - | - | - | - | - | - | 2.89 |
| | C111 | 2.33 | 0.87 | - | - | - | - | - | - | - | - | - | 2.89 |
| | C112 | 0.12 | 0.12 | - | - | - | 0.25 | - | - | 0.5 | 1.99 | - | 0.75 |
| | C113 | 2.76 | - | - | - | 2.16 | - | - | - | - | - | - | 2.76 |
| | C114 | 2 | - | - | - | 3 | - | - | 1.67 | 2.33 | - | - | 1.67 |
| S3 | C115 | 2..29 | - | - | 0.25 | 1.01 | 1.01 | - | 0.25 | 1.27 | 1.27 | - | 2.53 |
| | C201 | 1.12 | 1.12 | 1.25 | 1.23 | 1.9 | 1.8 | - | - | - | 1.9 | - | 0.77 |
| | C202 | 1.98 | 1.98 | - | - | - | - | - | - | - | - | - | 1.32 |
| | C203 | 1.12 | 1.12 | - | - | 0.47 | - | - | - | - | - | - | 0.77 |
| | C204 | 0.8 | 0.8 | 0.69 | 0.93 | - | - | - | - | - | - | - | - |
| | C205 | 2.72 | 2.52 | 1.76 | - | - | 1 | 1.56 | 1.56 | 1.56 | 1.56 | - | 3 |
| | C206 | - | - | - | - | - | 2.4 | 2.3 | - | - | - | - | 2.4 |
| | C207 | 2.06 | 2.15 | 2.49 | 1.87 | 1.23 | - | - | - | 1.5 | 1.8 | 0.9 | 1.42 |
| S4 | C208 | 1.37 | 1.45 | 1.66 | - | 0.8 | - | - | - | 1.13 | - | - | - |
| | C209 | 2.2 | 1.465 | 1.46 | 1.45 | 2.5 | - | - | - | - | 2.4 | - | 2.035 |
| | C210 | 1.12 | 0.74 | 0.74 | - | 2.2 | 0.52 | - | - | - | - | - | 0.74 |
| | C211 | 1.1 | 1.66 | - | - | - | - | - | - | - | - | - | - |
| | C212 | 2.2 | 2.2 | 2.2 | - | 2.2 | - | - | - | - | - | - | - |
| | C213 | - | - | - | - | - | - | - | 2.2 | - | - | 1.07 | - |
| | C214 | - | - | - | - | - | 2.2 | 2.2 | 2.2 | - | 2.2 | - | - |
| | C215 | 2.2 | 2.2 | 2.2 | 2.2 | - | - | - | - | 2.2 | 2.2 | - | 2.2 |
| S5 | C216 | 2.2 | 1.87 | 3 | 1.87 | 2.2 | - | - | 2 | 2.2 | 2.2 | 2 | 2 |
| | C301 | 2.2 | 1.87 | - | - | - | 2.2 | 2.2 | 2 | - | - | 1.91 | 2 |
| | C302 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | - | - | - | - | - | 2.2 |
| | C303 | 3 | 3 | 3 | - | 2 | - | - | - | - | - | - | 2 |
| | C304 | 3 | 3 | 3 | - | - | 1.5 | - | - | - | - | - | 2 |
| | C305 | 3 | 3 | 3 | - | 2 | 1.5 | 2.2 | - | - | - | - | - |
| | C306 | 1.67 | 0.83 | 0.83 | 2.2 | 2.5 | 2.2 | 2.2 | 1.67 | - | 1.67 | - | 2.5 |
| | C307 | 2 | 1 | 1 | 2.2 | 3 | 2.2 | 2.2 | 2 | 3 | 2 | 2.2 | 3 |
| C308 | 2.2 | 2.2 | 2.2 | 2.2 | - | - | - | - | 2.2 | 2.2 | - | 2.2 | |

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[Handwritten Signature]
3



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| | | | | | | | | | | | | | |
|------|---------|-------|-------|------|-------|-------|------|------|------|------|-------|------|-------|
| S6 | C309 | 2.67 | 2.37 | 2.03 | 1.87 | 1.45 | - | - | - | - | - | - | 2.27 |
| | C310 | 0.8 | 0.8 | 0.69 | 0.93 | - | - | - | - | - | - | 2.2 | 2.27 |
| | C311 | 2.2 | 2.2 | 2.2 | 2.2 | - | - | - | - | - | - | - | 2.2 |
| | C312 | 2.8 | 2.8 | - | - | - | - | - | - | - | - | - | 1.4 |
| | C313 | 2.8 | 2.8 | 2.63 | 2 | 1 | 2.2 | 2.2 | 2.2 | 2.2 | 3 | 2 | 1.4 |
| | C314 | 2.045 | 1.465 | 1.46 | - | 2.5 | 0.98 | 0.97 | 2.2 | - | - | 2.2 | 2.035 |
| | C315 | 1.13 | 0.97 | 0.97 | 0.97 | 3 | 0.97 | 0.97 | 2.2 | 0.97 | 2.2 | 2.2 | 2.1 |
| | C316 | 2.96 | 1.96 | 1.95 | 1.93 | 2 | - | - | - | 0.99 | 2.2 | - | 1.97 |
| S7 | C401 | 1.105 | 0.94 | 0.94 | - | - | - | - | - | - | - | - | 2.045 |
| | C402 | 2 | 1.77 | 2.5 | - | 2.8 | - | 0.83 | - | - | - | - | 0.83 |
| | C403 | 1.75 | 1.57 | 1.81 | 0.92 | 0.9 | 1.03 | 1.03 | 1.03 | 0.91 | 0.91 | - | 0.87 |
| | C404-CE | 2.2 | - | - | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | - | 2.2 | - | - |
| | C404-ME | 2.8 | 2.63 | 2.95 | 2.5 | 1.43 | 2 | - | - | 2 | - | 2.2 | 2.75 |
| | C404-IT | 2.45 | 2.31 | 2.55 | - | 1.34 | - | - | - | - | - | - | 2.35 |
| | C405 | 2.625 | 2.47 | 2.75 | 2.285 | 1.385 | - | - | 2.2 | 1.8 | 1.875 | - | 2.55 |
| | C406 | 2.2 | 1 | 2.2 | 2.2 | 2.2 | 1 | 2.2 | 1.33 | - | 2 | - | 1.6 |
| C407 | 2.2 | 1 | 2.2 | 2.2 | 2.2 | 1 | 2.2 | 1.33 | 1.75 | 2 | 2.2 | 1.6 | |
| S8 | C408 | 2.34 | 0.95 | 2.19 | - | - | 0.78 | 0.87 | 0.93 | - | - | 0.71 | 0.79 |
| | C409 | 2.67 | - | 2.33 | 2.33 | - | 2 | 1 | - | 1.67 | - | 1 | - |
| | C410 | 0.58 | 0.29 | - | - | - | - | - | - | - | - | - | - |
| | C411 | 2.67 | 2.25 | 2.33 | - | - | - | 1 | - | - | - | - | - |
| | C412 | 1.33 | 1 | 0.67 | 0.8 | 0.67 | 0.67 | 2.2 | 1.33 | 0.67 | 2.2 | 2.2 | 2.2 |
| | C413 | 2 | 1.5 | 1 | 1.2 | 1 | 1 | 2.2 | 2 | 1 | 2.2 | 2.2 | 2.2 |

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Overall PO Attainment

| Tools | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 | PO 9 | PO 10 | PO 11 | PO 12 |
|-------------------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|
| Direct Attainment | 2.12 | 1.73 | 1.89 | 1.68 | 1.87 | 1.46 | 1.69 | 1.62 | 1.64 | 2.00 | 1.65 | 1.89 |
| Indirect Attainment | 2.21 | 2.12 | 2.11 | 2.34 | 2.27 | 2.08 | 2.15 | 2.23 | 2.21 | 2.11 | 2.13 | 2.54 |
| 70% Direct Attainment | 1.48 | 1.21 | 1.32 | 1.18 | 1.31 | 1.02 | 1.18 | 1.13 | 1.15 | 1.40 | 1.16 | 1.32 |
| 30% Indirect Attainment | 0.66 | 0.64 | 0.63 | 0.70 | 0.68 | 0.62 | 0.65 | 0.67 | 0.66 | 0.63 | 0.64 | 0.76 |
| Overall Attainment | 2.15 | 1.85 | 1.96 | 1.88 | 1.99 | 1.65 | 1.83 | 1.80 | 1.81 | 2.03 | 1.79 | 2.09 |

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VISWAJYOTHI COLLEGE OF ENGINEERING & TECHNOLOGY,
VAZHAKULAM

DEPARTMENT OF INFORMATION TECHNOLOGY

CO ATTAINMENT
2019-23 BATCH

BATCH : 2019-2023

| Semester | Course Code | CO1 | CO2 | CO3 | CO4 | CO5 | CO6 | CO7 | CO8 | CO9 | CO10 | CO11 | AVG | |
|----------|-------------|------|------|------|------|------|------|-----|------|------|------|------|------|------|
| S1S2 | C101 | 0.84 | 0.87 | 1.32 | 0.6 | 0.6 | - | - | - | - | - | - | 0.85 | |
| | C102 | 2.28 | 2.72 | 2.52 | 3 | 2.76 | - | - | - | - | - | - | 2.66 | |
| | C103 | 1.48 | 1.48 | 1.48 | 1.48 | 1.48 | 1.48 | - | - | - | - | - | 1.48 | |
| | C104 | 1.88 | 1.4 | 1.88 | 1.4 | 1.4 | 1.56 | 1.4 | 1.88 | 1.56 | 1.4 | 1.4 | 1.56 | |
| | C105 | 0.92 | 0.2 | 0.2 | 0.2 | 0.92 | 0.92 | - | - | - | - | - | 0.56 | |
| | C106 | 2.52 | 2.52 | 2.52 | 2.52 | 2.52 | - | - | - | - | - | - | 2.52 | |
| | C107 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | - | - | - | 3 | |
| | C108 | 1.12 | 1.12 | 1.32 | 0.82 | 1.12 | - | - | - | - | - | - | - | 1.1 |
| | C109 | 2.49 | 2.28 | 3 | 3 | 2.49 | - | - | - | - | - | - | - | 2.65 |
| | C110 | 0.44 | 0.44 | 0.36 | 0.92 | 0.92 | - | - | - | - | - | - | - | 0.62 |
| | C111 | 2.24 | 2.04 | 2.14 | 2.04 | 2.04 | 2.24 | - | - | - | - | - | - | 2.12 |
| | C112 | 1.8 | 1.8 | 1.62 | 1.48 | 1.32 | 2.04 | - | - | - | - | - | - | 1.68 |
| | C113 | 3 | 3 | 3 | 3 | 3 | 3 | - | - | - | - | - | - | 3 |
| S3 | C201 | 1.56 | 1.56 | 1.36 | 1.56 | 1.56 | - | - | - | - | - | - | 1.52 | |
| | C202 | 2.04 | 1.8 | 1.32 | 1.64 | 1.32 | 1.32 | - | - | - | - | - | 1.57 | |
| | C203 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | - | - | - | - | - | - | 0.2 | |
| | C204 | 3 | 3 | 3 | 3 | 3 | - | - | - | - | - | - | 3 | |
| | C205 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | - | - | - | - | - | 0.7 | |
| | C206 | 0.8 | 0.6 | 0.2 | 0.2 | 0.92 | - | - | - | - | - | - | - | 0.54 |
| | C207 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | - | - | - | - | - | - | - | 2.8 |
| | C208 | 2.8 | 2.8 | 2.8 | 2.8 | 2.6 | 2.8 | - | - | - | - | - | - | 2.77 |
| S4 | C209 | 1.68 | 1.44 | 0.96 | 1.68 | 1.68 | - | - | - | - | - | - | 1.49 | |
| | C210 | 0.92 | 0.92 | 0.92 | 0.44 | 0.2 | - | - | - | - | - | - | 0.68 | |
| | C211 | 1.6 | 1.36 | 0.2 | 0.2 | 1.08 | - | - | - | - | - | - | 0.89 | |
| | C212 | 1.8 | 1.8 | 1.62 | 1.48 | 1.32 | 2.04 | - | - | - | - | - | 1.68 | |
| | C213 | 2.87 | 2.89 | 2.88 | - | - | - | - | - | - | - | - | - | 2.88 |
| | C214 | 1.88 | 2.36 | 2.36 | 2.36 | 2.6 | - | - | - | - | - | - | - | 2.31 |
| | C215 | 2.8 | 2.8 | 2.8 | 2.8 | 2.6 | - | - | - | - | - | - | - | 2.76 |
| | C216 | 2.8 | 2.8 | 2.8 | 2.8 | - | - | - | - | - | - | - | - | 2.8 |



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 www.vjcet.org

| | | | | | | | | | | | | | |
|----|------|------|------|------|------|------|------|---|---|---|---|---|------|
| S5 | C301 | 1.48 | 1.48 | 1.48 | 1.48 | 1.48 | - | - | - | - | - | - | 1.48 |
| | C302 | 2.6 | 2.6 | 2.6 | 2.44 | 2.12 | 2.6 | - | - | - | - | - | 2.49 |
| | C303 | 2.04 | 2.04 | 1.56 | 1.32 | 2.04 | - | - | - | - | - | - | 1.8 |
| | C304 | 0.8 | 0.6 | 0.2 | 0.2 | 0.92 | - | - | - | - | - | - | 0.54 |
| | C305 | 1.48 | 1.1 | 1.48 | 1.48 | 1 | - | - | - | - | - | - | 1.31 |
| | C306 | 1.8 | 1.8 | 1.62 | 1.48 | 1.32 | 2.04 | - | - | - | - | - | 1.68 |
| | C307 | 2.24 | 2.24 | 2.24 | 2.24 | 2.24 | 2.24 | - | - | - | - | - | 2.24 |
| | C308 | 2.8 | 2.8 | 2.8 | 2.8 | 2.6 | - | - | - | - | - | - | 2.76 |
| S6 | C309 | 1 | 0.76 | 0.76 | 0.76 | 1.48 | - | - | - | - | - | - | 0.95 |
| | C310 | 2.6 | 2.36 | 2.6 | 2.6 | 2.6 | - | - | - | - | - | - | 2.55 |
| | C311 | 1.8 | 1.8 | 1.62 | 1.48 | 1.32 | 2.04 | - | - | - | - | - | 1.68 |
| | C312 | 1.48 | 1.48 | 1.48 | 1.36 | 1.48 | - | - | - | - | - | - | 1.46 |
| | C313 | 0.92 | 0.98 | 0.92 | 0.96 | 1.02 | - | - | - | - | - | - | 0.96 |
| | C314 | 2.28 | 2.12 | 1.88 | 2.36 | 2.6 | - | - | - | - | - | - | 2.25 |
| | C315 | 2.8 | 2.8 | 2.8 | 2.8 | 2.6 | 2.6 | - | - | - | - | - | 2.73 |
| | C316 | 2.8 | 2.8 | 2.8 | 2.8 | 2.6 | - | - | - | - | - | - | 2.76 |
| S7 | C401 | 1.8 | 1.8 | 1.62 | 1.48 | 1.32 | 2.04 | - | - | - | - | - | 1.68 |
| | C402 | 2.36 | 1.88 | 2.36 | 1.88 | 1.88 | - | - | - | - | - | - | 2.07 |
| | C403 | 1.48 | 1.24 | 1.48 | 1.48 | 1.48 | - | - | - | - | - | - | 1.43 |
| | C404 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | - | - | - | - | - | - | 2.6 |
| | C405 | 3 | 3 | 3 | 3 | 2.4 | 2.1 | - | - | - | - | - | 2.75 |
| | C406 | 2.76 | 2.52 | 2.76 | 2.28 | 3 | - | - | - | - | - | - | 2.66 |
| | C407 | 2.94 | 2.92 | 2.94 | 2.92 | 2.92 | 2.92 | - | - | - | - | - | 2.93 |
| | C408 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | - | - | - | - | - | 2.5 |
| | C409 | 2.75 | 2.5 | 2.75 | 2.8 | 3 | 3 | - | - | - | - | - | 2.8 |
| S8 | C411 | 2.6 | 2.66 | 2.6 | 2.64 | 2.7 | - | - | - | - | - | - | 2.64 |
| | C412 | 2.6 | 2.12 | 2.6 | 2.6 | 1.88 | - | - | - | - | - | - | 2.36 |
| | C413 | 1.8 | 1.8 | 1.62 | 1.48 | 1.32 | 2.04 | - | - | - | - | - | 1.68 |
| | C414 | 2.12 | 1.88 | 1.88 | 1.88 | 2.44 | - | - | - | - | - | - | 2.04 |
| | C415 | 2.8 | 2.8 | 2.8 | 2.8 | 2.6 | - | - | - | - | - | - | 2.76 |

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 VAZHAKULAM P.O., - MUVATTUPUZHA



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VAZHAKULAM P.O, MUVATTUPUZHA, ERNAKULAM - 686670
DEPARTMENT OF INFORMATION TECHNOLOGY
BATCH: 2019-2023

| Semester | Course | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
|----------|--------|------|------|------|------|------|------|------|------|------|------|------|------|
| S1S2 | C101 | 0.85 | 0.81 | 0.85 | 0.81 | 0.52 | 0.28 | - | - | 0.28 | 0.56 | - | 0.56 |
| | C102 | 2.66 | 1.71 | - | - | - | - | - | 0.89 | 1.77 | - | - | 0.89 |
| | C103 | 1.48 | 0.49 | - | - | 1.48 | - | - | - | - | 0.99 | - | - |
| | C104 | 1.56 | 0.85 | - | 0.47 | 1.52 | 1.41 | 1.33 | 1.33 | 1.04 | - | - | - |
| | C105 | - | 0.92 | 0.61 | 0.31 | - | 0.33 | - | 0.31 | 0.45 | 0.34 | 0.31 | 0.37 |
| | C106 | 2.52 | - | - | - | 2.52 | - | - | 0.84 | 1.68 | - | - | 0.84 |
| | C107 | 1.25 | - | - | - | 1 | 1 | - | 2 | 2 | 2 | 1 | 1 |
| | C108 | 1.1 | 0.81 | 0.88 | 0.73 | 0.37 | 0.51 | - | 0.71 | 0.6 | - | - | 0.71 |
| | C109 | 0.88 | 1.35 | 0.83 | 0.86 | 1.76 | - | 2.49 | - | - | - | - | - |
| | C110 | 0.59 | 0.59 | - | - | - | - | - | - | - | - | - | - |
| | C111 | 1.11 | 1.54 | 1.06 | 1.41 | 1.72 | 1.49 | - | - | - | 1.42 | 1.43 | 1.3 |
| | C112 | 1.68 | 1.4 | 1.4 | 1.01 | 0.55 | 0.58 | - | - | - | - | - | 0.56 |
| | C113 | 3 | - | - | - | 2.17 | - | - | - | - | - | - | 3 |
| S3 | C201 | 1.43 | 1.43 | 1.22 | 1.01 | 0.82 | 1.04 | 1.04 | 1.04 | 0.52 | - | 0.78 | 0.92 |
| | C202 | 1.57 | 1.29 | 1.29 | 0.9 | 0.49 | 0.54 | - | - | - | - | - | 0.52 |
| | C203 | 0.2 | 0.2 | 0.2 | 0.2 | 0.13 | 0.13 | - | 0.07 | - | - | - | 0.13 |



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| | | | | | | | | | | | | | |
|----|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | C204 | 2 | 1.4 | 1.6 | 1.75 | 1.33 | - | - | - | - | - | - | 1 |
| | C205 | 0.51 | 0.31 | - | 0.23 | 0.47 | 0.23 | - | 0.23 | 0.23 | - | - | 0.29 |
| | C206 | 0.54 | 0.39 | 0.39 | 0.24 | 0.16 | 0.15 | - | - | - | - | - | 0.18 |
| | C207 | 1.87 | 2.33 | 2.24 | 2.1 | 2.43 | - | - | - | 2.8 | 1.87 | - | - |
| | C208 | 2.77 | 2.77 | 2.77 | 2.61 | 2.61 | 0.92 | - | - | - | - | 1.84 | 0.92 |
| S4 | C209 | 1.49 | 0.99 | 0.99 | 0.99 | 0.99 | - | - | - | - | 0.99 | - | 0.5 |
| | C210 | 0.45 | 0.68 | 0.68 | - | 0.45 | - | - | - | - | - | - | - |
| | C211 | 0.78 | 0.77 | 0.71 | 0.73 | 0.25 | - | - | - | - | - | 0.3 | 0.38 |
| | C212 | 1.68 | 1.4 | 1.4 | 1.01 | 0.55 | 0.58 | - | - | - | - | - | 0.56 |
| | C213 | 1.91 | 1.44 | 1.92 | - | - | 0.96 | 0.96 | 0.96 | 1.92 | 1.44 | - | 1.44 |
| | C214 | 2.31 | 1.86 | 1.86 | 1.4 | 0.81 | 0.75 | - | - | - | - | - | 0.77 |
| | C215 | 2.03 | 2.2 | 2.2 | 0.9 | 2.01 | 0.92 | - | - | - | - | - | 1.28 |
| | C216 | 2.1 | 1.87 | 1.87 | 1.24 | 0.93 | - | - | - | - | - | - | 0.93 |
| S5 | C301 | 0.79 | 1.09 | 0.69 | 0.49 | 1.18 | - | - | - | - | - | - | 0.74 |
| | C302 | 2.49 | 2.09 | 2.09 | 1.51 | 0.85 | - | - | - | - | - | - | 1.66 |
| | C303 | 0.93 | 1.34 | 0.87 | 0.68 | 1.42 | - | - | - | - | - | - | 0.9 |
| | C304 | 0.54 | 0.39 | 0.39 | 0.24 | 0.16 | 0.15 | - | - | - | - | - | 0.18 |
| | C305 | 0.87 | 0.67 | - | - | - | - | - | 0.33 | 0.67 | 0.44 | 0.5 | 0.87 |
| | C306 | 1.68 | 1.4 | 1.4 | 1.01 | 0.55 | 0.58 | - | - | - | - | - | 0.56 |
| | C307 | 2.12 | 2.12 | 2.12 | 1.62 | 1.37 | - | - | - | - | 0.75 | - | 2.24 |
| | C308 | 2.76 | 2.76 | 2.76 | 2.57 | 2.57 | 0.92 | - | - | - | - | 1.84 | 0.92 |
| S6 | C309 | 0.95 | 0.74 | 0.74 | 0.5 | 0.31 | 0.27 | - | - | - | - | - | 0.32 |
| | C310 | 2.55 | 2.54 | 2.52 | - | 2.52 | - | - | - | - | - | - | 1.7 |



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|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| S7 | C311 | 1.4 | 1.17 | 0.64 | 0.56 | 1.58 | - | - | - | 0.54 | 1.08 | - | - |
| | C312 | 1.46 | 1.16 | 1.16 | 0.84 | 0.48 | 0.48 | - | - | - | - | - | 0.49 |
| | C313 | 0.96 | 0.9 | 0.86 | 0.49 | 1.02 | - | - | - | - | 1.02 | - | 0.64 |
| | C314 | 1.5 | 1.49 | 0.76 | - | 1.41 | 1.1 | 2.12 | - | - | - | 2.25 | - |
| | C315 | 2.73 | 1.99 | 2.27 | - | 2.05 | - | - | - | - | - | - | 1.67 |
| | C316 | 2.76 | 2.8 | 2.57 | 2.1 | 2.53 | 2.33 | 2.49 | 2.76 | 2.27 | 2.52 | 2.3 | 2.76 |
| | C401 | 1.68 | 1.4 | 1.4 | 1.01 | 0.55 | 0.58 | - | - | - | - | - | 0.56 |
| | C402 | 2.07 | 1.66 | 1.66 | 1.18 | 0.67 | 0.71 | - | - | - | - | - | 0.69 |
| | C403 | 1.43 | 1.43 | 1.43 | - | 0.45 | - | - | - | 0.93 | 0.93 | - | 0.95 |
| | C404 | 1.73 | 1.56 | 1.73 | 0.87 | 0.87 | 1.04 | 1.04 | 1.04 | 0.87 | 0.87 | - | 0.87 |
| C405 | 2.58 | 1.95 | 2.3 | 1.83 | 2 | 2 | 2 | 1.67 | - | - | 1.9 | 2.45 | |
| C406 | 1.84 | - | - | 2.09 | 1.42 | 1.68 | 2.03 | 2.14 | - | 2.14 | - | - | |
| C407 | 2.28 | 2.6 | 2.6 | 1.95 | 1.95 | 2.44 | - | - | 2.44 | - | 1.46 | 2.44 | |
| C408 | 1.67 | 1.67 | 1.67 | 1.67 | - | 1.25 | - | 0.83 | 1.67 | - | - | 1.67 | |
| C409 | 2.07 | 2.43 | 2.35 | 2.65 | 1.76 | 2 | 2 | 1 | 2.2 | 1.6 | 1.6 | 1.63 | |
| C410 | 2.76 | 2.76 | 2.76 | 2.57 | 2.57 | 0.92 | - | - | - | - | 1.84 | 0.92 | |
| S8 | C411 | 1.58 | 1.34 | 1.47 | - | 1.77 | - | - | - | - | - | - | 0.88 |
| | C412 | 2.36 | 1.4 | - | - | - | - | - | - | - | - | - | 1.57 |
| | C413 | 1.68 | 1.4 | 1.4 | 1.01 | 0.55 | 0.58 | - | - | - | - | - | 0.56 |
| | C414 | 1.49 | 1.49 | 0.97 | - | - | - | - | - | - | - | - | - |
| | C415 | 2.76 | 2.76 | 2.76 | 2.57 | 2.57 | 0.92 | - | - | - | - | 1.84 | 0.92 |



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Overall PO Attainment

| | | | | | | | | | | | | |
|-------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Direct Attainment | 1.67 | 1.47 | 1.50 | 1.20 | 1.25 | 0.91 | 1.75 | 1.07 | 1.31 | 1.23 | 1.41 | 1.02 |
| Indirect Attainment | 2.37 | 2.04 | 2.30 | 1.71 | 2.04 | 2.31 | 2.22 | 2.45 | 2.41 | 2.37 | 1.95 | 2.14 |
| 70% Direct Attainment | 1.17 | 1.03 | 1.05 | 0.84 | 0.88 | 0.64 | 1.23 | 0.75 | 0.92 | 0.86 | 0.99 | 0.71 |
| 30% Indirect Attainment | 0.71 | 0.61 | 0.69 | 0.51 | 0.61 | 0.69 | 0.67 | 0.73 | 0.72 | 0.71 | 0.59 | 0.64 |
| Overall Attainment | 1.88 | 1.64 | 1.74 | 1.35 | 1.49 | 1.33 | 1.89 | 1.48 | 1.64 | 1.57 | 1.57 | 1.35 |

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|---|---------|-------|-------|-------|-------|-------|-------|-----|-----|-----|------|------|
| Department of Mechanical Engineering | | | | | | | | | | | | |
| Actual values of attainment of Course Outcomes of 2019-2023 batch | | | | | | | | | | | | |
| Semester | Course | CO1 | CO2 | CO3 | CO4 | CO5 | CO6 | CO7 | CO8 | CO9 | CO10 | CO11 |
| S1 | C101 | 1.77 | 1.80 | 1.80 | 1.40 | 1.50 | - | - | - | - | - | - |
| | C102 | 2.5 | 2.54 | 2.6 | 2.6 | 2.6 | - | - | - | - | - | - |
| | C103 | 2.9 | 2.5 | 2.7 | 2.7 | 3 | - | - | - | - | - | - |
| | C104 | 2.5 | 2.5 | 2.5 | 2.05 | 2.2 | - | - | - | - | - | - |
| | C105 | 3 | 3 | 2.7 | 3 | 3 | 2.7 | - | - | - | - | - |
| | C106 | 3 | 3 | 2.9 | 3 | 2.6 | 2.7 | - | - | - | - | - |
| | C107 | 3 | 3 | 3 | 3 | 3 | 3 | 2.6 | 2.3 | 2.5 | 1.6 | 2.4 |
| S2 | C108 | 2.45 | 2.4 | 2.45 | 2.45 | 2.4 | 2.4 | - | - | - | - | - |
| | C109 | 2.9 | 2.69 | 2.73 | 2.6 | 2.5 | 2.64 | - | - | - | - | - |
| | C110 | 3 | 3 | 3 | 3 | 2.7 | 3 | - | - | - | - | - |
| | C111 | 3 | 3 | 3 | 3 | 3 | 3 | - | - | - | - | - |
| | C112 | 2.3 | 3 | 3 | 3 | 3 | 0 | - | - | - | - | - |
| | C113 | 3 | 3 | 3 | 3 | 3 | - | - | - | - | - | - |
| | C114 | 3 | 3 | 3 | 3 | 3 | - | - | - | - | - | - |
| S3 | C201 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | - | - | - | - | - |
| | C206 | 3 | 2.7 | 2.8 | 2.9 | 3 | 2.4 | - | - | - | - | - |
| | C203 | 2.93 | 3 | 3 | 3 | 3 | - | - | - | - | - | - |
| | C204 | 2.77 | 2.77 | 1.84 | 1.52 | 1 | 0.9 | - | - | - | - | - |
| | C205 | 2 | 1.825 | 2.1 | 1.95 | 2.05 | 2.2 | - | - | - | - | - |
| | C202 | 2.11 | 1.8 | 1.325 | 1.325 | 1.155 | 0.895 | - | - | - | - | - |
| | C207 | 2.815 | 2.815 | 2.78 | 1.99 | 1.465 | - | - | - | - | - | - |
| S4 | C208 | 2.13 | 2.31 | 2.31 | 2.2 | 2 | - | - | - | - | - | - |
| | C209 | 3 | 3 | 3 | 3 | 3 | 3 | - | - | - | - | - |
| | C210 | 2.6 | 1.6 | 2.6 | - | 2 | - | - | - | - | - | - |
| | C211 | 3 | 3 | 3 | 3 | 3 | 3 | - | - | - | - | - |
| | C212 | 2.60 | 2.65 | 2.65 | 2.65 | 2.58 | 2.50 | - | - | - | - | - |
| | C213 | 1.80 | 1.88 | 1.80 | 1.95 | 1.95 | 1.05 | - | - | - | - | - |
| | C214 | 2.11 | 2.11 | 1.99 | 2.08 | 1.35 | 1.54 | - | - | - | - | - |
| S5 | C215 | 1.75 | 1.17 | 1.17 | 1.17 | - | 1.17 | - | - | - | - | - |
| | C216 | 2.80 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | - | - | - | - | - |
| | C301 | 2.20 | 1.90 | 1.90 | 2.20 | 2.20 | 2.20 | - | - | - | - | - |
| | C302 | 3 | 3 | 2 | 2.67 | - | 2 | - | - | - | - | - |
| | C303 | 3 | 3 | 3 | 2.5 | - | 3 | - | - | - | - | - |
| | C304 | 1.54 | 1.03 | - | - | 0.97 | - | - | - | - | - | - |
| | C305 | 2.20 | 2.20 | 2.20 | 1.80 | 2.20 | 1.60 | - | - | - | - | - |
| S6 | C307 | 3 | 3 | 3 | 3 | 3 | 2.1 | - | - | - | - | - |
| | C308 | 2.20 | 1.90 | 1.90 | 2.20 | 2.20 | 2.20 | - | - | - | - | - |
| | C309 | 3.00 | 3.00 | 3.00 | 3.00 | 2.90 | 3.00 | - | - | - | - | - |
| | C310 | 1.6 | 1.28 | 1.28 | 1.07 | - | 1.07 | - | - | - | - | - |
| | C311 | 3.00 | 3.00 | 2.85 | 3.00 | 2.10 | - | - | - | - | - | - |
| | C312 | 3 | 3 | 3 | 3 | 3 | 2 | - | - | - | - | - |
| | C313 L1 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | - | - | - | - | - |
| S7 | C313L2 | 3 | 2.5 | - | - | 3 | 2 | - | - | - | - | - |
| | C314 | 2.8 | 1.865 | 1.7 | 0.935 | 0.9 | 0.9 | - | - | - | - | - |
| | C315 | 2.80 | 3.00 | 3.00 | 3.00 | 2.80 | - | - | - | - | - | - |
| | C316 | 2.15 | 1.09 | 1.54 | 1.04 | 0.90 | 0.99 | - | - | - | - | - |
| | C306 | 2.78 | 2.90 | 1.96 | 3.00 | 1.80 | - | - | - | - | - | - |
| | C318 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | - | - | - | - | - |
| | C401 | 2.84 | 1.89 | 1.89 | 0.95 | 0.95 | - | - | - | - | - | - |
| S8 | C402L6 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | - | - | - | - | - |
| | C402L7 | 3.00 | 3.00 | 3.00 | 3.00 | - | - | - | - | - | - | - |
| | C403L5 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | - | - | - | - | - |
| | C404 | 2 | 2 | 1 | - | - | 1 | - | - | - | - | - |
| | C405 | 1.18 | 0.94 | 0.94 | 0.47 | - | 0.8 | - | - | - | - | - |
| | C406 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | - | - | - | - | - |
| | C407 | 2.15 | 2.25 | 2.30 | 1.40 | 2.30 | - | - | - | - | - | - |
| S8 | C408 | 2.05 | 2.05 | 2.60 | 2.50 | 1.80 | - | - | - | - | - | - |
| | C409L1 | 2.30 | 2.30 | 2.60 | 2.30 | 2.00 | - | - | - | - | - | - |
| | C410L7 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | - | - | - | - | - | - |
| | C411 L5 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | - | - | - | - | - | - |
| | C412 | 2 | 1 | 1 | 1 | 1 | - | - | - | - | - | - |
| C413 | 2.43 | 2.35 | 2.35 | 2.20 | 2.65 | 3.00 | - | - | - | - | - | |






VISWAJYOTHI

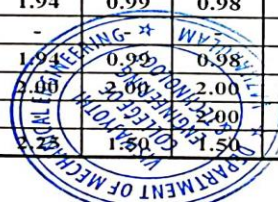
COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE New Delhi & Affiliated to APJ Abdul Kalam Technological University

TM

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www.vjcet.org

|  | | VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY, VAZHAKULAM | | | | | | | | | | | |
|---|---------|--|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|
| | | Department of Mechanical Engineering | | | | | | | | | | | |
| | | Actual values of attainment of Program Outcomes of 2019-2023 batch | | | | | | | | | | | |
| Semester | Course | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| S1 | C101 | 1.4 | 1.2 | 1.32 | 1.12 | - | 0.84 | - | 1.11 | 1.13 | - | - | 1.04 |
| | C102 | 1.56 | 0.85 | 0.85 | 0.85 | 0.84 | 0.87 | - | - | - | - | - | 0.86 |
| | C103 | 1.89 | 1.84 | 1.88 | 1.74 | 1.84 | 1.97 | - | 2 | - | - | - | 1.92 |
| | C104 | 2.28 | 1.70 | 2.00 | 1.83 | 1.08 | - | 0.76 | - | 2.28 | - | 0.93 | 2.28 |
| | C105 | 2.75 | 2.75 | 1.84 | 1.84 | 1.8 | - | 0.92 | 1.84 | - | 1.84 | - | 0.92 |
| | C106 | 1.91 | 0.96 | - | - | - | - | 1 | - | - | - | - | 0.96 |
| | C107 | 1 | - | 1 | - | 2 | 1.5 | 3 | 2 | 2 | 1 | - | 1.17 |
| S2 | C108 | 1.56 | 2.04 | 0.85 | 1.70 | 0.85 | 1.70 | 1.70 | 1.70 | 1.42 | 1.36 | 0.85 | 2.13 |
| | C109 | 2.26 | 2.25 | 1.67 | 1.67 | 0.90 | 1.31 | 0.80 | 0.90 | - | 0.85 | 0.90 | 0.90 |
| | C110 | 1.98 | 1.48 | 1.21 | 0.63 | 1.48 | 1.98 | 1.16 | - | 0.99 | - | 1.16 | 1.98 |
| | C111 | 2 | 2 | 1.2 | 1 | 1 | - | 1 | 1 | 2 | 1 | 1 | 1 |
| | C112 | 1.59 | 0.75 | 1.84 | - | 2.00 | 1.50 | 0.92 | 0.75 | 1.50 | 0.80 | 0.75 | 1.50 |
| | C113 | 2.00 | 1.80 | 1.50 | - | - | 2.00 | 2.00 | 2.00 | 2.00 | 1.00 | 1.00 | 1.00 |
| | C114 | 3.00 | 2.00 | - | - | - | - | - | 2.00 | 2.00 | - | - | 2.00 |
| C115 | 2.50 | 1.47 | 1.27 | 0.85 | 0.85 | 1.25 | - | 0.85 | 1.65 | 0.85 | - | 1.65 | |
| S3 | C201 | 2.87 | 2.87 | 1.91 | 1.57 | 0.87 | 0.92 | - | - | 0.96 | 1.93 | - | 1.9 |
| | C206 | 1.87 | 1.495 | 1.675 | 0.83 | - | 0.7 | - | 1.87 | - | - | - | 1.87 |
| | C203 | 1.835 | 1.58 | 1.18 | 1.18 | 1.16 | 0.795 | 0.855 | - | 0.775 | 0.785 | - | 1.605 |
| | C204 | 0.9 | 0.9 | 0.865 | 0.645 | 0.325 | - | 0.535 | - | 0.315 | 0.315 | 0.515 | 0.295 |
| | C205 | 1.23 | 1.305 | 1.33 | 1.24 | 1.25 | - | 1.14 | - | - | - | - | 0.945 |
| | C202 | 1.91 | 1.91 | 1.85 | 1.36 | 0.9 | - | 1.24 | - | 0.68 | 0.68 | 1.11 | 0.65 |
| | C207 | 2.49 | 1.53 | 2.49 | - | 1.90 | - | - | - | - | 2.10 | 1.53 | 1.73 |
| C208 | 2.83 | 2.00 | 2.00 | 2.00 | 1.00 | 1.67 | 1.33 | 2.00 | 2.83 | 2.67 | 1.33 | 2.33 | |
| S4 | C209 | 2.46 | 2.18 | 1.89 | 1.74 | 1.31 | 1.22 | - | - | 0.88 | - | - | 2.04 |
| | C210 | 1.17 | 1.17 | 1.17 | 1.17 | - | - | - | 1.17 | - | - | - | 1.17 |
| | C211 | 2.35 | 2.35 | 2.20 | 2.29 | 1.47 | 1.77 | 1.57 | - | - | 1.62 | - | 2.20 |
| | C212 | 2.65 | 1.77 | 1.77 | 1.77 | - | 1.77 | - | - | 1.77 | 0.89 | - | 1.77 |
| | C213 | 2.97 | 1.98 | 1.98 | 0.99 | 0.99 | - | - | - | - | - | 0.99 | 0.99 |
| | C214 | - | 1.27 | 2.20 | 1.27 | - | - | - | 1.37 | - | - | - | 1.47 |
| | C215 | 2.50 | 2.25 | 2.00 | 1.96 | 1.25 | 1.75 | 1.75 | 1.50 | 1.75 | 2.25 | 1.50 | 1.75 |
| C216 | 3.00 | 2.00 | 1.60 | 2.00 | - | 2.00 | - | 2.00 | 2.40 | 2.00 | 2.00 | 2.00 | |
| S5 | C301 | 2.66 | 1.77 | - | - | - | - | - | - | - | - | 1.80 | 1.80 |
| | C302 | 2.00 | 1.50 | 2.00 | - | - | - | - | - | - | 1.50 | 1.50 | 1.50 |
| | C303 | 2.18 | 1.68 | 2.00 | - | - | - | - | - | - | - | - | 1.37 |
| | C304 | 2.83 | 3.00 | 2.75 | - | - | - | 2.00 | 2.00 | 2.00 | 2.00 | - | 2.00 |
| | C305 | 2.99 | - | - | - | - | - | - | 2.82 | 2.49 | 2.16 | 2.16 | 2.82 |
| | C307 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 2.00 | 2.00 | - | 3.00 | 3.00 | 3.00 | - |
| | C308 | 2.83 | 3.00 | 2.75 | 2.00 | 2.33 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | - | 2.00 |
| C309 | 2.33 | 1.87 | 1.87 | - | 1.24 | - | 1.40 | - | - | - | 1.87 | 1.87 | 2.80 |
| S6 | C310 | 3.00 | 2.00 | 1.83 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | - | - | 2.00 |
| | C311 | 2.58 | 2.06 | 2.06 | 1.40 | - | 1.73 | 1.70 | 1.70 | 1.48 | 1.48 | - | 1.65 |
| | C312 | 2.85 | 1.62 | 2.15 | 1.43 | 0.90 | 1.45 | 1.45 | 1.45 | 1.25 | 1.25 | - | 1.55 |
| | C313 L1 | 2.83 | 3.00 | 2.00 | 3.00 | 1.83 | - | - | - | - | - | - | 2.00 |
| | C313 L2 | 1.94 | 1.45 | 1.61 | 0.97 | 2.00 | 1.94 | 0.99 | 0.98 | 0.96 | - | - | 1.94 |
| | C314 | 2.70 | 1.80 | 1.80 | 0.90 | 0.90 | - | - | - | - | - | 0.90 | 0.90 |
| | C315 | 1.94 | 1.45 | 1.61 | 0.97 | 2.00 | 1.94 | 0.99 | 0.98 | 0.96 | - | - | 1.94 |
| | C316 | 3.00 | 2.00 | 2.00 | - | 3.00 | 3.00 | 2.00 | 2.00 | 2.75 | 3.00 | - | 2.00 |
| | C306 | 3.00 | 2.50 | 2.67 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| C318 | 2.50 | 2.25 | 2.50 | 1.25 | 1.25 | 1.50 | 1.50 | 1.50 | 2.25 | 1.50 | 2.25 | 2.25 | |





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| | | | | | | | | | | | | | |
|--------------------------|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| S7 | C401 | 2.58 | 2.06 | 2.06 | 1.40 | - | 1.73 | 1.70 | 1.70 | 1.48 | 1.48 | - | 1.65 |
| | C402L6 | 1.55 | - | - | - | - | 1.21 | 1.21 | - | - | - | - | - |
| | C402L7 | 1.79 | 1.16 | 1.92 | - | - | 1.15 | 1.34 | 0.77 | - | - | - | - |
| | C403L5 | 1.31 | 1.40 | 2.00 | 1.98 | 1.44 | - | - | - | - | - | 1.24 | 1.24 |
| | C404 | 1.58 | 2.15 | - | 1.74 | - | - | - | - | - | - | - | - |
| | C405 | 1.76 | 2.04 | - | 1.45 | 1.25 | - | - | - | - | 0.80 | - | 1.23 |
| | C406 | 3.00 | 2.40 | 2.60 | 2.40 | - | 1.80 | - | - | - | - | - | 2.80 |
| | C407 | 3.00 | 2.33 | 2.50 | 2.00 | - | 2.00 | 2.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 |
| S8 | C408 | 2.00 | 1.00 | 1.00 | 1.00 | 1.00 | - | - | - | - | - | - | - |
| | C409L1 | 2.00 | 2.20 | 3.00 | - | - | - | - | - | - | - | - | - |
| | C410L7 | 1.97 | 1.90 | 1.97 | 1.50 | - | 2.00 | - | - | 1.90 | - | 1.80 | 1.65 |
| | C411 L5 | 2.25 | 1.80 | 1.02 | - | - | - | - | - | - | - | - | - |
| | C412 | 1.30 | 1.00 | 0.60 | 0.70 | 0.70 | 0.64 | 2.10 | 1.20 | 0.60 | 2.30 | 2.20 | 2.20 |
| | C413 | 2.50 | 2.33 | 2.67 | 2.67 | 2.00 | 3.00 | 3.00 | 2.00 | 2.00 | 2.50 | 3.00 | 3.00 |
| Direct Attainment | | 2.23 | 1.86 | 1.83 | 1.52 | 1.41 | 1.59 | 1.47 | 1.61 | 1.68 | 1.64 | 1.56 | 1.70 |
| Indirect Attainment | | 2.40 | 2.29 | 2.23 | 2.14 | 2.14 | 2.12 | 2.18 | 2.31 | 2.23 | 2.32 | 2.14 | 2.33 |
| 70 % Direct Attainment | | 1.56 | 1.30 | 1.28 | 1.06 | 0.99 | 1.11 | 1.03 | 1.13 | 1.18 | 1.15 | 1.09 | 1.19 |
| 30 % Indirect Attainment | | 0.72 | 0.69 | 0.67 | 0.64 | 0.64 | 0.63 | 0.65 | 0.69 | 0.67 | 0.70 | 0.64 | 0.70 |
| Final attainment | | 2.28 | 1.99 | 1.95 | 1.71 | 1.63 | 1.75 | 1.68 | 1.82 | 1.84 | 1.84 | 1.74 | 1.89 |



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**DEPARTMENT OF
 MANAGEMENT STUDIES
 BATCH: 2021-2023 CO ATTAINMENT**

| Semester | Course Code | CO1 | CO2 | CO3 | CO4 | CO5 | CO6 | CO7 | CO8 | CO9 | CO10 | CO11 | CO12 | AVG |
|----------|-------------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|-------|
| S1S2 | C101 | 2.4 | 2.4 | 2 | 3 | 2.4 | - | - | - | - | - | - | - | 2.44 |
| | C103 | 3 | 2.6 | 1.4 | 2 | 1.2 | - | - | - | - | - | - | - | 2.04 |
| | C105 | 3 | 2.4 | 2.4 | 2 | 2.6 | - | - | - | - | - | - | - | 2.48 |
| | C107 | 3 | 2.8 | 1 | 3 | 2.2 | - | - | - | - | - | - | - | 2.4 |
| | C109 | 2.8 | 2.4 | 2 | 2.8 | 2.6 | - | - | - | - | - | - | - | 2.52 |
| | C111 | 3 | 2.8 | 2.4 | 2.6 | 2 | - | - | - | - | - | - | - | 2.56 |
| | C113 | 3 | 3 | 3 | 3 | 3 | - | - | - | - | - | - | - | 3 |
| | C115 | 3 | 2.6 | 2.6 | 2.8 | 3 | - | - | - | - | - | - | - | 2.8 |
| | C102 | 3 | 2.8 | 1.2 | 3 | 2.8 | - | - | - | - | - | - | - | 2.56 |
| | C104 | 3 | 2.6 | 1.8 | 2.4 | 2.2 | - | - | - | - | - | - | - | 2.4 |
| | C106 | 3 | 2.8 | 2.6 | 2.6 | 2.8 | - | - | - | - | - | - | - | 2.76 |
| | C108 | 2.4 | 2.8 | 2.8 | 3 | 2.4 | - | - | - | - | - | - | - | 2.68 |
| | C110 | 3 | 3 | 1.4 | 2.8 | 1 | - | - | - | - | - | - | - | 2.24 |
| | C112 | 3 | 3 | 2 | 2.4 | 2.2 | - | - | - | - | - | - | - | 2.52 |
| S3 | C114 | 3 | 2.2 | 2.4 | 2.4 | 2.75 | - | - | - | - | - | - | - | 2.55 |
| | C201 | 2.6 | 2.2 | 1.4 | 2.2 | 1.4 | - | - | - | - | - | - | - | 1.96 |
| | C203 | 2.6 | 3 | 1.6 | 1.8 | 1.4 | - | - | - | - | - | - | - | 2.08 |
| | C231-F01 | 1.8 | 2 | 2.6 | 2.6 | 2.4 | - | - | - | - | - | - | - | 2.28 |
| | C235-F02 | 2 | 2 | 2.2 | 2.4 | 2.6 | - | - | - | - | - | - | - | 2.24 |
| | C239-F03 | 2.8 | 1 | 1 | 3 | 2 | - | - | - | - | - | - | - | 1.96 |
| | C265-M01 | 1.6 | 1.75 | 1.8 | 2 | 1.67 | - | - | - | - | - | - | - | 1.764 |
| | C267-M02 | 3 | 2.6 | 1.82 | 1.8 | 1 | - | - | - | - | - | - | - | 2.044 |
| | C253-M03 | 3 | 2.8 | 2.2 | 2.2 | 2.4 | - | - | - | - | - | - | - | 2.52 |
| | C225-H01 | 3 | 1.6 | 3 | 2.2 | 2.6 | - | - | - | - | - | - | - | 2.48 |
| | C229-H02 | 2.4 | 2.6 | 2.2 | 1.6 | 2.8 | - | - | - | - | - | - | - | 2.32 |
| | C213-H03 | 3 | 2 | 1.8 | 2 | 2.6 | - | - | - | - | - | - | - | 2.28 |
| | C275-O1 | 2.6 | 2.4 | 2.2 | 2.2 | 2.4 | - | - | - | - | - | - | - | 2.36 |
| | C279-O2 | 3 | 3 | 2 | 1.6 | 1.25 | - | - | - | - | - | - | - | 2.17 |
| S4 | C202 | 2.4 | 2.6 | 2.2 | 2.4 | 2.8 | - | - | - | - | - | - | - | 2.48 |
| | C204 | 2.36 | 2.6 | 2.2 | 2.2 | 2.6 | - | - | - | - | - | - | - | 2.392 |
| | C218-H01 | 2.72 | 2.64 | 2.72 | 2.64 | 2.72 | - | - | - | - | - | - | - | 2.688 |
| | C220-H02 | 3 | 3 | 2.64 | 3 | 3 | - | - | - | - | - | - | - | 2.928 |
| | C232-F01 | 2.8 | 3 | 3 | 3 | 3 | - | - | - | - | - | - | - | 2.96 |
| | C256-M01 | 3 | 2.6 | 2.6 | 2.8 | 3 | - | - | - | - | - | - | - | 2.8 |
| | C260-M02 | 3 | 2.8 | 1.2 | 3 | 2.8 | - | - | - | - | - | - | - | 2.56 |
| | C274-O03 | 3 | 3 | 2.72 | 3 | 2.8 | - | - | - | - | - | - | - | 2.904 |
| | C282-O04 | 3 | 3 | 2.6 | 3 | 3 | - | - | - | - | - | - | - | 2.92 |

Dr. CYRIAC JOSEPH
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PO ATTAINMENT

| | Course Code | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 | PO 9 | PO 10 | PO 11 | PO 12 |
|---------|-------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|
| S1S2 | C101 | 2.4 | 2.4 | 2 | 3 | 2.4 | | | | | | | |
| | C103 | 3 | 2.6 | 1.4 | 2 | 1.2 | | | | | | | |
| | C105 | 3 | 2.4 | 2.4 | 2 | 2.6 | | | | | | | |
| | C107 | 3 | 2.8 | 1 | 3 | 2.2 | | | | | | | |
| | C109 | 2.8 | 2.4 | 2 | 2.8 | 2.6 | | | | | | | |
| | C111 | 3 | 2.8 | 2.4 | 2.6 | 2 | | | | | | | |
| | C113 | 3 | 3 | 3 | 3 | 3 | | | | | | | |
| | C115 | 3 | 2.6 | 2.6 | 2.8 | 3 | | | | | | | |
| | C102 | 3 | 2.8 | 1.2 | 3 | 2.8 | | | | | | | |
| | C104 | 3 | 2.6 | 1.8 | 2.4 | 2.2 | | | | | | | |
| | C106 | 3 | 2.8 | 2.6 | 2.6 | 2.8 | | | | | | | |
| | C108 | 2.4 | 2.8 | 2.8 | 3 | 2.4 | | | | | | | |
| | C110 | 3 | 3 | 1.4 | 2.8 | 1 | | | | | | | |
| | C112 | 3 | 3 | 2 | 2.4 | 2.2 | | | | | | | |
| C114 | 3 | 2.2 | 2.4 | 2.4 | 2.75 | | | | | | | | |
| S3 | C201 | 1.04 | 0.88 | 0.56 | 0.88 | 0.56 | | | | | | | |
| | C203 | 1.56 | 1.8 | 0.96 | 1.08 | 0.84 | | | | | | | |
| | C231-F01 | 1.8 | 2 | 2.6 | 2.6 | 2.4 | | | | | | | |
| | C235-F02 | 2 | 2 | 2.2 | 2.4 | 2.6 | | | | | | | |
| | C239-F03 | 2.8 | 1 | 1 | 3 | 2 | | | | | | | |
| | C265-M01 | 0.64 | 0.7 | 0.72 | 0.8 | 0.67 | | | | | | | |
| | C267-M02 | 2.4 | 2.08 | 1.44 | 1.44 | 1.6 | | | | | | | |
| | C253-M03 | 0.4 | 0.37 | 0.29 | 0.29 | 0.32 | | | | | | | |
| | C225-H01 | 3 | 1.6 | 3 | 2.2 | 2.6 | | | | | | | |
| | C229-H02 | 2.4 | 2.6 | 2.2 | 1.6 | 2.8 | | | | | | | |
| | C213-H03 | 1.2 | 0.8 | 0.72 | 0.8 | 1.04 | | | | | | | |
| | C275-O1 | 2.08 | 1.92 | 1.76 | 1.76 | 1.92 | | | | | | | |
| C279-O2 | 1.2 | 1.2 | 0.8 | 0.64 | 0.5 | | | | | | | | |
| S4 | C202 | 2.4 | 2.6 | 2.2 | 2.4 | 2.8 | | | | | | | |
| | C204 | 2.36 | 2.6 | 2.2 | 2.2 | 2.6 | | | | | | | |
| | C218-H01 | 2.72 | 2.64 | 2.72 | 2.64 | 2.72 | | | | | | | |
| | C220-H02 | 2.4 | 2.08 | 1.44 | 1.44 | 1.6 | | | | | | | |
| | C232-F01 | 2.8 | 3 | 3 | 3 | 3 | | | | | | | |
| | C256-M01 | 3 | 2.6 | 2.6 | 2.8 | 3 | | | | | | | |

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|--------------------------|----------|-------------|-------------|-------------|-------------|------------|--|--|--|--|--|--|--|
| | C260-M02 | 2 | 2 | 2.2 | 2.4 | 2.6 | | | | | | | |
| | C274-003 | 3 | 3 | 2.72 | 3 | 2.8 | | | | | | | |
| | C282-004 | 3 | 2.8 | 2.6 | 2.6 | 2.8 | | | | | | | |
| DIRECT ATTAINMENT | | 2.70 | 2.76 | 2.50 | 2.34 | 2.8 | | | | | | | |

Overall PO Attainment

| Tools | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 | PO 9 | PO 10 | PO 11 | PO 12 |
|--------------------------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|
| Direct Attainment | 2.70 | 2.76 | 2.50 | 2.34 | 2.78 | | | | | | | |
| Indirect Attainment | 2.10 | 2.15 | 2.24 | 2.2 | 2.12 | | | | | | | |
| 70% Direct Attainment | 1.65 | 1.37 | 1.48 | 1.32 | 1.48 | | | | | | | |
| 30% Indirect Attainment | 0.69 | 0.6 | 0.64 | 0.6 | 0.63 | | | | | | | |
| Overall Attainment | 2.31 | 2.4 | 2.36 | 2.4 | 2.37 | | | | | | | |

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