



GOUTHAMI INSTITUTE OF TECHNOLOGY AND MANAGEMENT FOR WOMEN

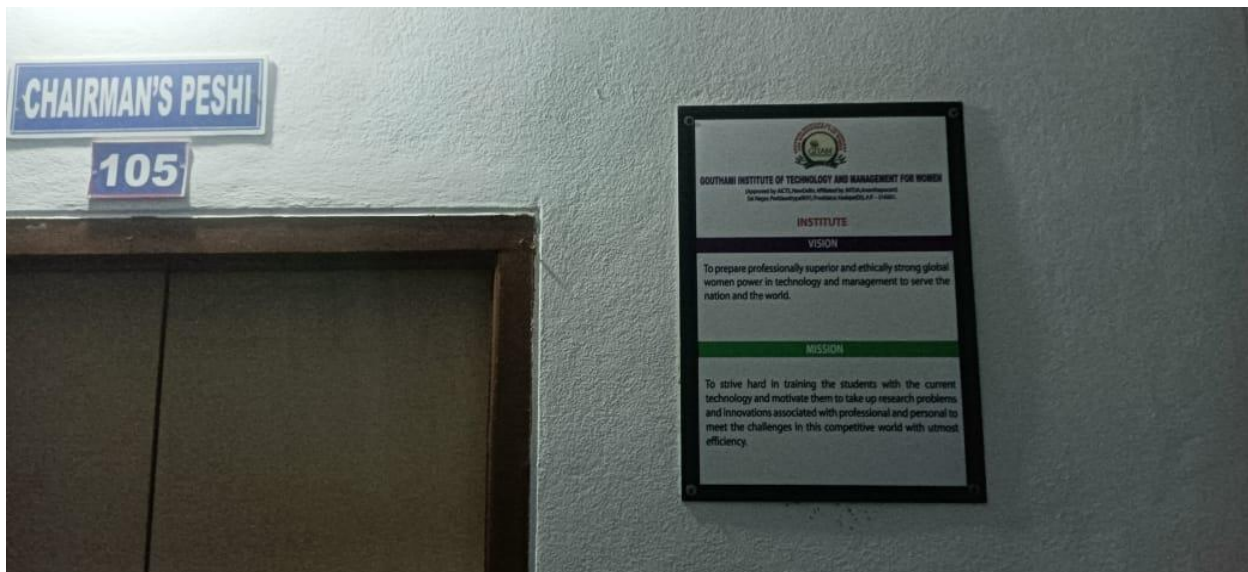
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DISPLAY OF CO's, PO's, PEO's, PSO's VISION AND MISSION IN THE CAMPUS.



INSTITUTE VISION & MISION DISPLAYED AT ECE DEPARTMENT LABORATORIES.

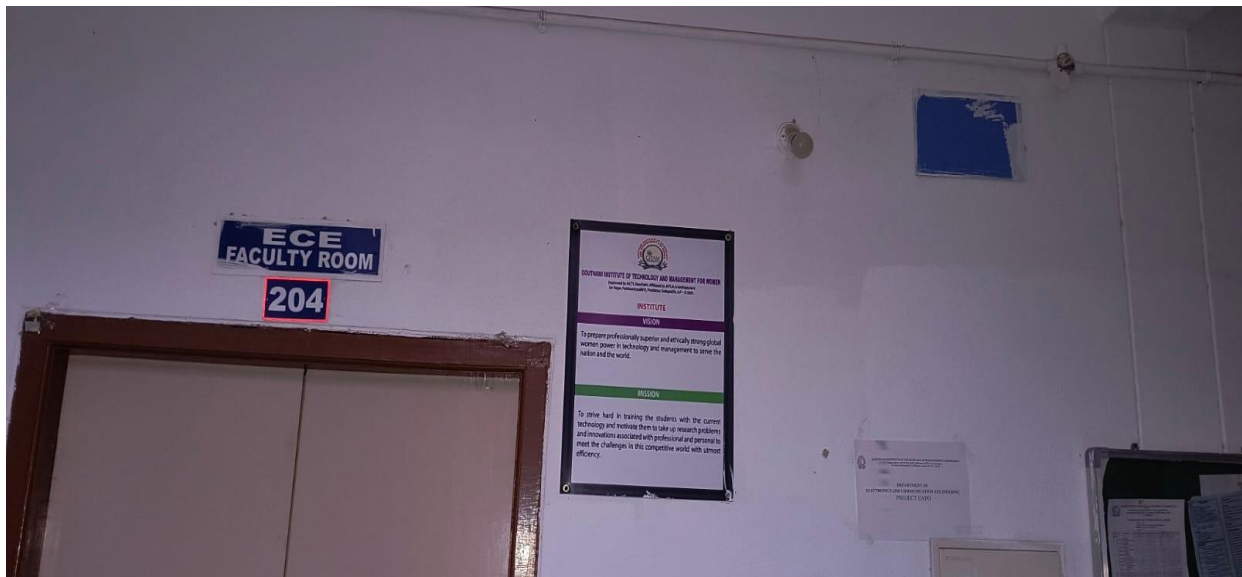


INSTITUTE VISION & MISION DISPLAYED AT CHAIRMAN'S PESHI

M. G. Srinivas
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Peddasettyapalli (V),
Proddatur-516360, Kadapa (Dt.)



INSTITUTE VISION & MISION DISPLAYED AT DEPARTMENT OF EEE.

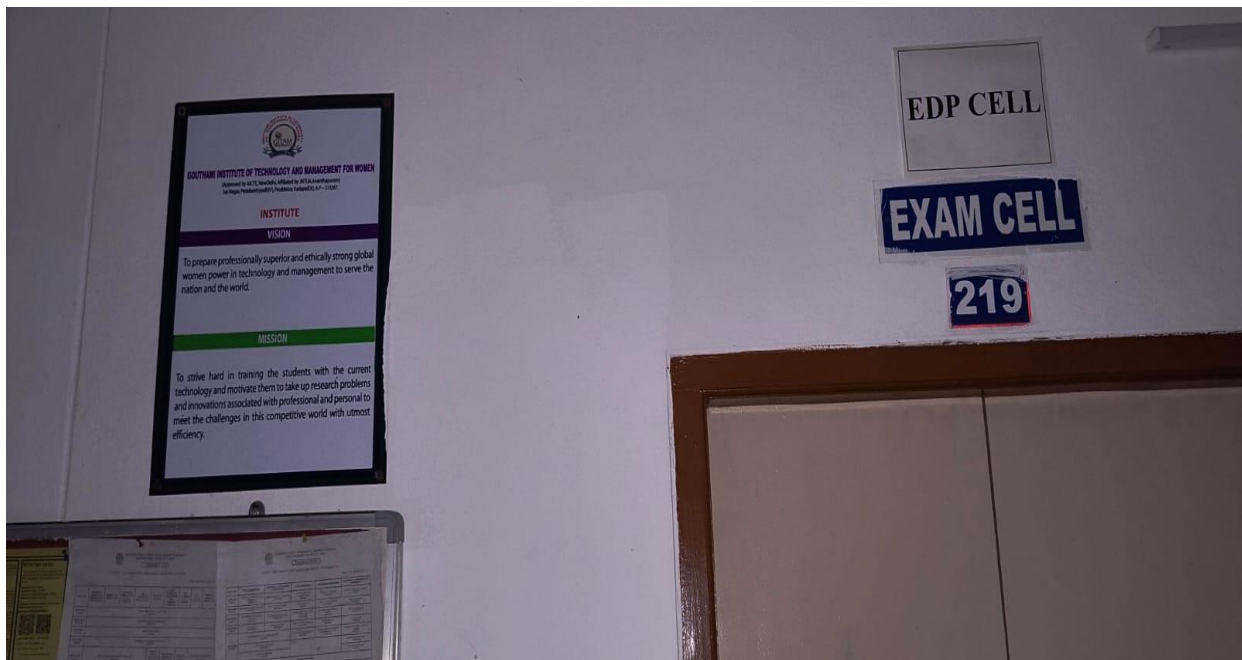


INSTITUTE VISION & MISION DISPLAYED AT DEPARTMENT OF ECE

M. J. Suresh
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INSTITUTE VISION & MISION DISPLAYED AT DEPARTMENT OF CSE.

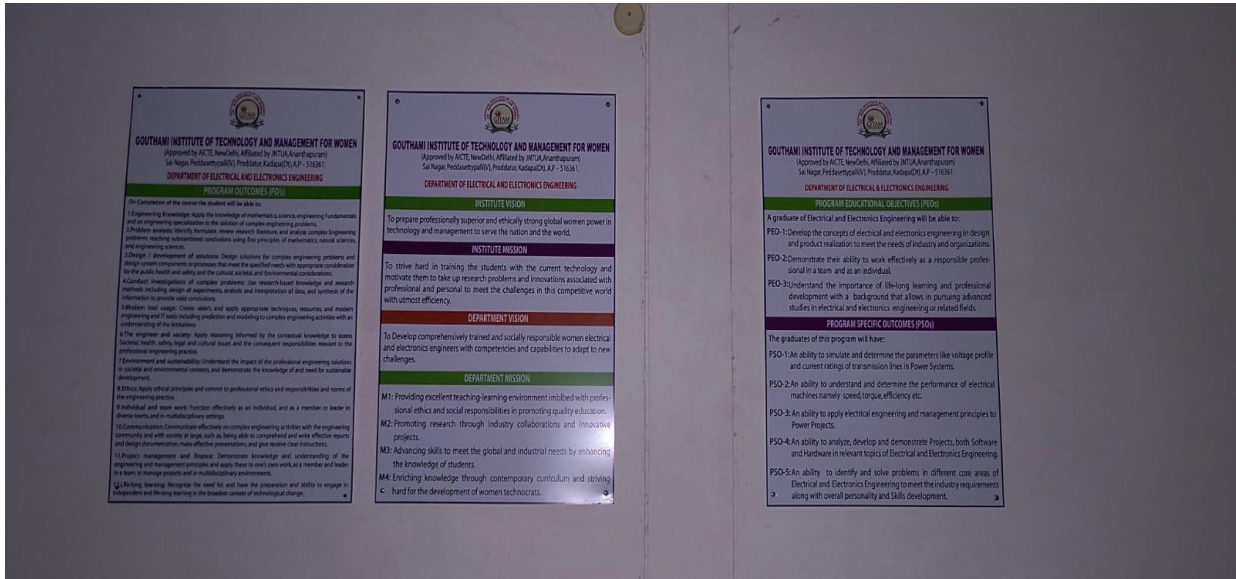


INSTITUTE VISION & MISION DISPLAYED AT EXAM CELL.

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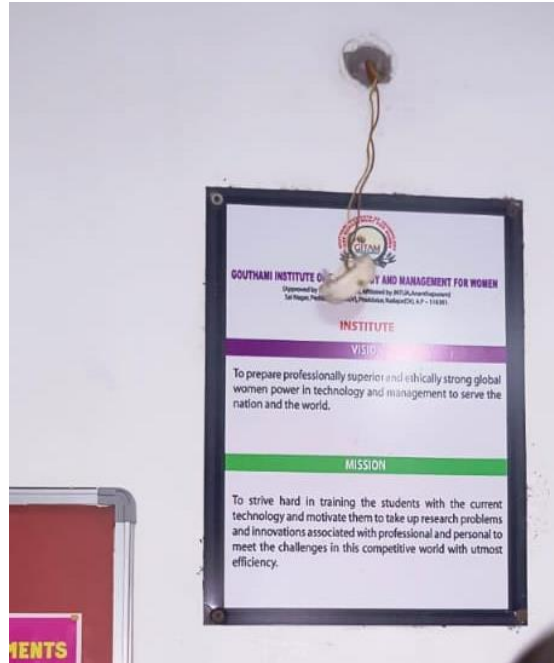


INSTITUTE VISION & MISION DISPLAYED AT TPO CELL.

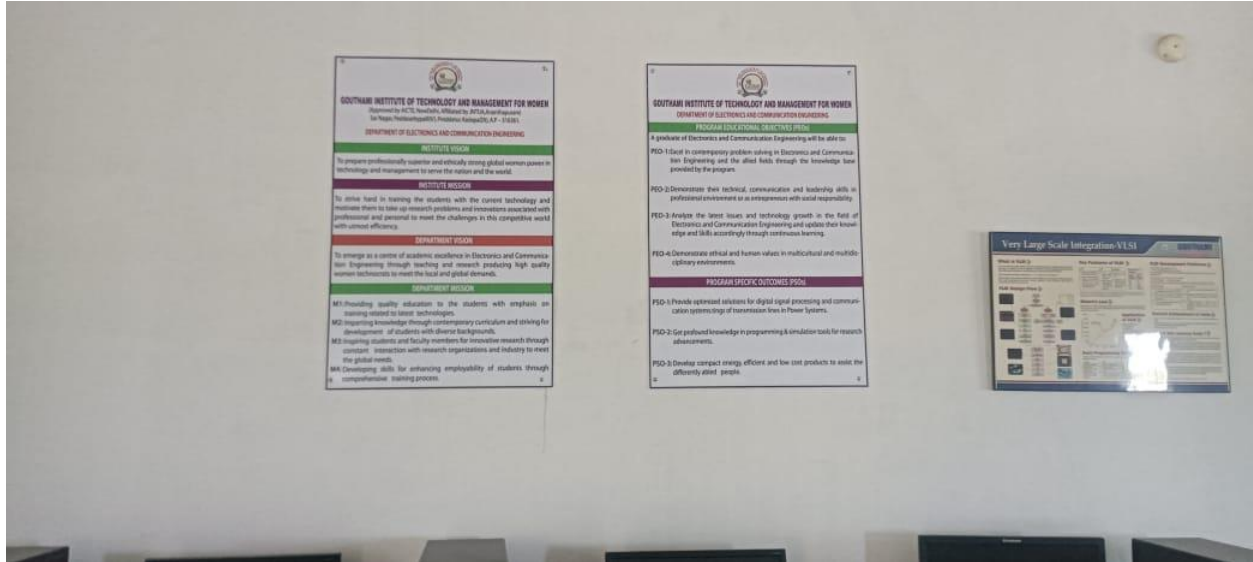


PO's, PEO's, PSO's, INSTITUTE VISION & MISION DISPLAYED AT CSE DEPARTMENT LABORATORIES.

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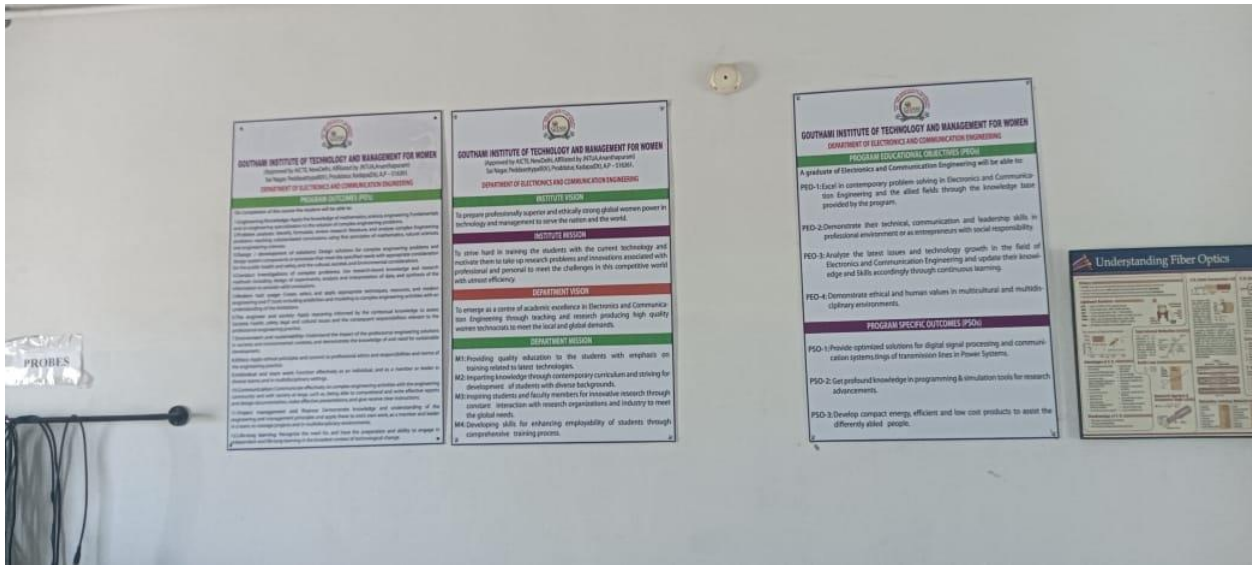


INSTITUTE VISION & MISION DISPLAYED AT CORRIDOR AND ENTRANCE.

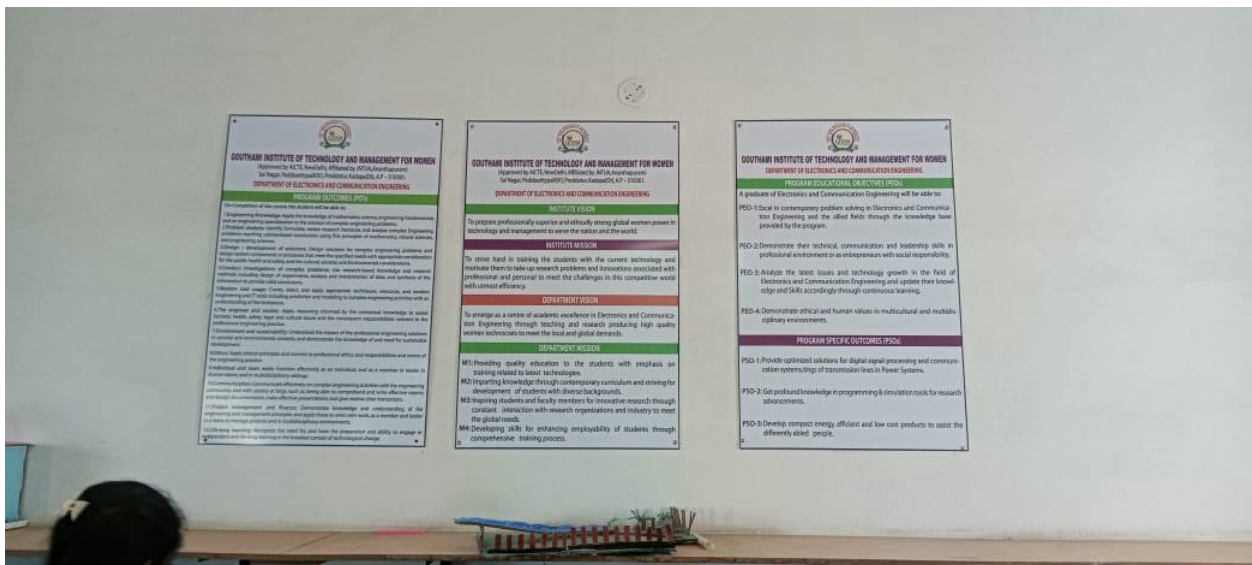


PO's, PEO's, PSO's, INSTITUTE VISION & MISION DISPLAYED AT EEE DEPARTMENT LABORATORIES.

M. Anurag
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PO's, PEO's, PSO's, INSTITUTE VISION & MISION DISPLAYED AT H&S DEPARTMENT LABORATORIES.



PO's, PEO's, PSO's, INSTITUTE VISION & MISION DISPLAYED AT ECE DEPARTMENT LABORATORIES.

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ATTAINMENT OF COURSE OUTCOMES

Tools used for assessment:

Marks allocation by University: The division of marks given by university, and weight ages in arriving at the attainment of CO are given below. The CO assessment is carried out through CIE and SEE with the following proportions:


Table: Weightages of Marks for CIE: SEE

| Type of course | Internal Marks(CIE) | External Marks(SEE) | Total Marks | Net CO Attainment Level As per Weightages |
|--|---------------------|---------------------|-------------|---|
| Theory | 25 | 75 | 100 | 0.25*CIE Level+0.75*SEE Level |
| Laboratory | 25 | 75 | 100 | 0.25*CIE Level+0.75*SEE Level |
| Seminar | 100 | - | 100 | CIE Level |
| Industrial oriented Mini Project/Summer internship | 25 | 75 | 100 | 0.25*CIE Level+0.75*SEE Level |
| Project stage -I | 100 | - | 100 | CIE Level |
| Project stage -II | 25 | 75 | 100 | 0.25*CIE Level+0.75*SEE Level |
| Mandatory course | 100 | - | 100 | CIE Level |

Based on combined Marks(i.e. CIE+SEE) Obtained by Candidate, Letter grades are Awarded as shown below Corresponding Grade Points also shown in table

% Of marks Secured in Subject/Course

| (Class intervals) | Letter Grade (UGC Guidelines) | Grade Points |
|-------------------------------|----------------------------------|--------------|
| Greater than are Equal to 90% | O(Outstanding) | 10 |
| 80 and Less than 90 | A+(Excellent) | 9 |
| 70 and less than 80% | A(Very Good) | 8 |


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| | | |
|----------------------|------------|---|
| 60 and Less than 70% | B+(Good) | 7 |
| 50 and Less than 60% | B(Average) | 6 |
| 40 and less than 50% | C(Pass) | 5 |
| Below 40% | F(Fail) | 0 |
| Absent | Ab | 0 |

Table: Letter Grades With Respect to Academic Performance

For attainment of course outcomes

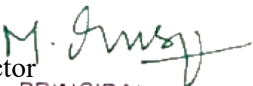
- Final Letter grades obtained by each student in the course are made available by university.
- These Letter grades must be converted to marks as show in below table.

| %of Marks Secured in a Subject | Letter Grade | Corresponding Marks |
|--------------------------------|--------------|---------------------|
| Greater than or equal to 90% | O | 1*Max SEE Marks |
| 80 and less than 90% | A+ | 0.89*Max SEE Marks |
| 70 and less than 80% | A | 0.79*Max SEE Marks |
| 60 and less than 70% | B+ | 0.69*Max SEE Marks |
| 50 and less than 60% | B | 0.59*Max SEE Marks |
| 40 and less than 50% | C | 0.49*Max SEE Marks |
| Below 40% | F | 0.39*Max SEE Marks |

Table: Conversion of Letter grades into corresponding marks

- Frequency of data Collection

The data required for calculating attainments is to be gathered. Each course instructor maintains the data required like internal Marks mid wise and External Marks of their respective course. The frequency of data collection for collection for each assessment tool is shown in the table below.


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| Assessment Toll | Frequency |
|-----------------------------------|------------------|
| University | Once a semester |
| Mid Examination | Twice a semester |
| Assignments | Twice a semester |
| Internal/External Lab Examination | Once a semester |

Table: Data Frequency

Attainment of CO's for Theory Courses:

Attainment of theory courses calculated base on student performance I Continuous internal Evaluation (CIE) and semester End Examination (SEE)

Overall CO attainment -0.25 CIE Level +0.75 SEE Level

These values of the CO levels for the course are then used for mapping the PO attainments, using the array of target PO values for the course. The procedure adapted for calculating the attainment of Course Outcomes for a Theory course is described with an example for the course Data Base Management Systems.

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Similarly CO attainment is calculated for all theory courses for corresponding academic years respectively

CO attainment level for courses other than Theory:

a) Laboratory:

Continuous Internal Evaluation:

The internal evaluation is based on session wise performance of experiment and viva voce, Observation, record and internal examination. The final internal marks are considered for CIE, and CO level for CIE attainment is decided upon the percentage of students who score more than 55% of the maximum internal marks, i.e., 13.75 out of 25 is used to decide the CO attainment level and is uniform for all CO's.

Semester End University Examination Evaluation (SEE): SEE Lab exam is evaluated for 75 marks. In SEE of the lab, % of students who score over 40% of the maximum marks, i.e. 30 out of 75 marks, is used to decide the CO attainment level and is uniform for all CO's.

b) Seminar:

For seminars, the assessment is based only on internal evaluation. The marks obtained in seminar is used to decide the % of students who scored more than 55% of maximum marks, and this % is used for determining corresponding CO attainment level. This Attainment level is construed as uniform for all COs of the course.

c) Industry Oriented Mini Project: For Industry Oriented Mini Project, the assessment is based only on External evaluation. The marks obtained in Industry Oriented Mini Project is used to decide the % of students who scored more than 40% of maximum marks, and this % is used for determining corresponding CO attainment level. This Attainment level is construed as uniform for all COs of the course.

d) Project: Continuous Internal Evaluation:

The internal marks for project (25) are the total of marks allotted in Project review, final presentation, and by project guide. The final internal marks are considered for CIE, and CO level for CIE attainment is decided upon the percentage of students who score more than 55% of the maximum internal marks, i.e., 13.75 out of 25 is used to decide the CO attainment level and is uniform for all Cos

Semester End University Examination Evaluation (SEE):

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The external evaluation is by award of Grade (Excellent/Very Good/Satisfactory /Poor). These grades are considered for SEE, and CO level for SEE attainment is decided upon the percentage of students who got Excellent/Very Good/Good to the number of students appeared is used to decide the CO attainment level and is uniform for all COs. The average value of the CO levels for the course are then used for mapping the PO attainments, using the array of target PO values for the course.

Attainment of Program Outcomes and Program Specific Outcomes:

Direct assessment of POS and PSOS for a course is obtained by mapping the respective CO value of Course Outcome attainment with the mapping of the target or expected POS and PSOs for the particular course.

The procedure adapted for calculating the attainment of Course Outcomes for a Theory course is described with an example for the course Python Programming the CO values arrived from CIE and SEE for the course Python Programming (CS751PC) for

Indirect Assessment Tools:

The PO/PSOs are attained indirectly by taking different surveys. These surveys are also having equal weightages

For overall PO/PSO attainment.

1. Program Exit Survey
2. Alumni Survey
3. Employer Feedback Survey

Frequency of Data Collection:

Table: Data Frequency

| S.No | Assesment Tool | Frequency of data collection |
|------|--------------------------|------------------------------|
| 1. | Program Exit Survey | Once a year |
| 2. | Alumni Survey | Once a year |
| 3. | Employer Feedback Survey | Once a year |

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Indirect Assessment Tools:

Alumni Survey: A feedback is collected on POS & PSOS from alumni students. It contributes towards the weight age of PO and PSO attainment. This survey is conducted by Alumni coordinator with the passed out students. Alumni coordinator collects both Alumni feedback forms filled by passed out student.

Employer Feedback Survey: A feedback is collected on Vision & Mission, PEOs, and POs & PSOS. It is an indirect assessment tool which contributes towards the weightage of PO and PSOS. It is conducted after one year of service completed by the graduates from joining those respective organizations.

Program Exit Survey: The Program graduate exit survey is collected at the end of the program. The objective of the survey is to know the level of confidence of each POs & PSOS that a graduate possess by the end of the program.

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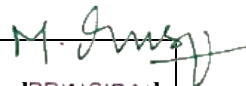
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| | | |
|------------------|-----------|--|
| Attainment Level | 1: | 40% students score more than threshold |
| Attainment Level | 2: | 50% students score more than threshold |
| Attainment Level | 3: | 60% students score more than threshold |

| Course Outcome Mapping with each Question | | | | | |
|---|-------------|---|---|-----------|------------|
| CO's | Question No | | | Objective | Assignment |
| | 1 | 2 | 3 | | |
| Course outcome - 1 | y | | | y | y |
| Course outcome - 2 | | y | | y | y |
| Course outcome - 3 | | | y | y | y |
| Course outcome - 4 | | | | | |
| Course outcome - 5 | | | | | |
| Course outcome - 6 | | | | | |

| Course Outcome Attainment based on Exam Questions in terms of percentage of total students when mapped to each question | | | | | |
|---|-------------|---|---|-----------|------------|
| CO's | Question No | | | Objective | Assignment |
| | 1 | 2 | 3 | | |
| Course outcome - 1 | 3 | | | 1 | 3 |
| Course outcome - 2 | | 3 | | 1 | 3 |
| Course outcome - 3 | | | 3 | 1 | 3 |
| Course outcome - 4 | | | | | |
| Course outcome - 5 | | | | | |
| Course outcome - 6 | | | | | |

| Course Outcome Attainment based on Exam Questions in terms of percentage of total students when mapped to each question | | | | | |
|---|--|--|--|--|--|
| | | | | | |


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| CO's | Subjective | Objective | Assignment | Attainment Level |
|--------------------|------------|-----------|------------|------------------|
| Course outcome - 1 | 3.00 | 1.00 | 3.00 | 2.30 |
| Course outcome - 2 | 3.00 | 1.00 | 3.00 | 2.30 |
| Course outcome - 3 | 3.00 | 1.00 | 3.00 | 2.30 |
| Course outcome - 4 | | | | |
| Course outcome - 5 | | | | |
| Course outcome - 6 | | | | |

Course Outcome Attainment based on Exam Questions in terms of percentage of total students when mapped to each question

| CO's | Subjective | Objective | Assignment | Attainment level |
|--------------------|------------|-----------|------------|------------------|
| Course outcome - 1 | | | | |
| Course outcome - 2 | | | | |
| Course outcome - 3 | | | | |
| Course outcome - 4 | 2.00 | 1.00 | 3.00 | 2.30 |
| Course outcome - 5 | 2.00 | 1.00 | 3.00 | 2.30 |
| Course outcome - 6 | 3.00 | 1.00 | 3.00 | 2.30 |

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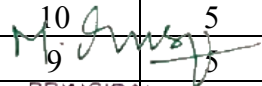


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|---|-------------|----------------------------------|---|----------------|---|---|---|-----------|------------|
| Department: | | COMPUTER SCIENCE AND ENGINEERING | | | | | | | |
| Course Outcome Attainment - Internal Assessments | | | | | | | | | |
| Name of the Faculty: | | S. YAKHOOB ALI | | Academic Year: | | | | 2022-23 | |
| Branch & Section: | | CSE | | Exam: | | | | MID - I | |
| Course/Sub: | | B.Tech- COMPILER DESIGN | | Year/Semester: | | | | III-II | |
| Sl.No | Roll Number | Question No. | | | | | | Objective | Assignment |
| | | 1 | 2 | 3 | 4 | 5 | 6 | | |
| Maximum Marks | | 5 | 5 | 5 | 5 | 5 | 5 | 10 | 5 |
| 1 | 208U1A0501 | 3 | | 3 | | | 3 | 9 | 5 |
| 2 | 208U1A0502 | 4 | | 4 | | 4 | | 10 | 5 |
| 3 | 208U1A0504 | | 4 | | 5 | | 4 | 9 | 5 |
| 4 | 208U1A0505 | 5 | | 4 | | 4 | | 9 | 5 |
| 5 | 208U1A0506 | 4 | | | 5 | | 5 | 9 | 5 |
| 6 | 208U1A0507 | | 5 | 4 | | 4 | | 10 | 5 |
| 7 | 208U1A0508 | 3 | | | 5 | | 5 | 10 | 5 |
| 8 | 208U1A0509 | | 3 | | 4 | 4 | | 7 | 5 |
| 9 | 208U1A0510 | | 4 | 4 | | | 4 | 9 | 5 |
| 10 | 208U1A0511 | 5 | | | 5 | | 4 | 8 | 5 |
| 11 | 208U1A0512 | | 4 | 5 | | | 4 | 8 | 5 |
| 12 | 208U1A0513 | 2 | | | 1 | | | 6 | 5 |
| 13 | 208U1A0514 | | 2 | 3 | | | 3 | 10 | 5 |
| 14 | 208U1A0515 | 4 | | 4 | | | 4 | 7 | 5 |
| 15 | 208U1A0516 | | 5 | 3 | | | 3 | 10 | 5 |
| 16 | 208U1A0517 | 5 | | 3 | | | 2 | 8 | 5 |
| 17 | 208U1A0518 | | 3 | 3 | | | 4 | 9 | 5 |
| 18 | 208U1A0519 | 3 | | | 1 | | 2 | 8 | 5 |
| 19 | 208U1A0521 | | 4 | 3 | | 4 | | 10 | 5 |
| 20 | 208U1A0522 | 3 | | | 4 | | | 9 | 5 |
| 21 | 208U1A0523 | | 5 | 4 | | 4 | | 10 | 5 |
| 22 | 208U1A0524 | 4 | | | | | 4 | 6 | 5 |
| 23 | 208U1A0525 | | 4 | | 4 | 4 | | 10 | 5 |
| 24 | 208U1A0526 | 4 | | 5 | | | 3 | 9 | 5 |
| 25 | 208U1A0527 | | 4 | | 4 | 3 | | 10 | 5 |


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|----|------------|---|---|---|---|---|---|----|---|
| 26 | 208U1A0528 | 5 | | | 5 | | 5 | 10 | 5 |
| 27 | 208U1A0529 | | 5 | 5 | | 5 | | 9 | 5 |
| 28 | 208U1A0530 | 4 | | 4 | | | 4 | 9 | 5 |
| 29 | 208U1A0531 | 5 | | | 5 | 4 | | 9 | 5 |
| 30 | 208U1A0532 | | 4 | 4 | | 4 | | 9 | 5 |
| 31 | 208U1A0533 | 4 | | | 3 | | 4 | 9 | 5 |
| 32 | 208U1A0534 | 3 | | 3 | | | | 7 | 5 |
| 33 | 208U1A0535 | | 4 | | 3 | 3 | | 9 | 5 |
| 34 | 208U1A0536 | | 5 | 5 | | | 5 | 9 | 5 |
| 35 | 208U1A0537 | 5 | | 5 | | 5 | | 9 | 5 |
| 36 | 208U1A0538 | | 5 | | 5 | | 5 | 7 | 5 |
| 37 | 208U1A0539 | 5 | | 4 | | 4 | | 9 | 5 |
| 38 | 208U1A0540 | | 4 | | 4 | 4 | | 4 | 5 |
| 39 | 208U1A0541 | | 5 | | 4 | | 4 | 8 | 5 |
| 40 | 208U1A0542 | 4 | | 4 | | 2 | | 9 | 5 |
| 41 | 208U1A0543 | 5 | | | 5 | | 5 | 8 | 5 |
| 42 | 208U1A0546 | | 5 | 5 | | 4 | | 9 | 5 |
| 43 | 208U1A0548 | 4 | | | 5 | | 4 | 9 | 5 |
| 44 | 208U1A0549 | | 3 | | | | | 8 | 5 |
| 45 | 208U1A0550 | | 4 | 4 | | 4 | | 8 | 5 |
| 46 | 208U1A0551 | 5 | | | 4 | 4 | | 8 | 5 |
| 47 | 208U1A0552 | 4 | | 4 | | | 4 | 7 | 5 |
| 48 | 208U1A0553 | | 5 | | 4 | | 4 | 8 | 5 |
| 49 | 208U1A0554 | 3 | | 3 | | 3 | | 10 | 5 |
| 50 | 208U1A0555 | 3 | | | 3 | | 3 | 10 | 5 |
| 51 | 208U1A0556 | | 5 | 4 | | 5 | | 10 | 5 |
| 52 | 208U1A0557 | 4 | | 5 | | | 4 | 6 | 5 |
| 53 | 208U1A0558 | | 4 | | 4 | 3 | | 8 | 5 |
| 54 | 208U1A0559 | 3 | | 3 | | 1 | | 10 | 5 |
| 55 | 208U1A0560 | | 4 | | 3 | | 4 | 9 | 5 |
| 56 | 208U1A0561 | 3 | | 2 | | 3 | | 6 | 5 |
| 57 | 208U1A0562 | 4 | | 4 | | | 3 | 10 | 5 |
| 58 | 208U1A0563 | | 4 | | 2 | 4 | | 8 | 5 |
| 59 | 208U1A0564 | | 5 | | 4 | | 5 | 10 | 5 |
| 60 | 208U1A0566 | 4 | | 4 | | 4 | | 8 | 5 |
| 61 | 208U1A0567 | | 5 | | 3 | | 3 | 10 | 5 |
| 62 | 208U1A0568 | 5 | | 5 | | 3 | | 10 | 5 |


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| | | | | | | | | | |
|----|------------|---|---|---|---|---|---|----|---|
| 63 | 208U1A0569 | | 4 | | 4 | | 4 | 9 | 5 |
| 64 | 208U1A0570 | 4 | | 5 | | 4 | | 8 | 5 |
| 65 | 208U1A0571 | | 4 | | 3 | | 4 | 8 | 5 |
| 66 | 208U1A0572 | 4 | | | 5 | | 4 | 7 | 5 |
| 67 | 208U1A0573 | | 5 | 2 | | 3 | | 6 | 5 |
| 68 | 208U1A0574 | 5 | | | 4 | | 4 | 10 | 5 |
| 69 | 208U1A0575 | 4 | | 4 | | 4 | | 8 | 5 |
| 70 | 208U1A0576 | | 4 | | 5 | | 4 | 10 | 5 |
| 71 | 208U1A0577 | 4 | | 4 | | 4 | | 8 | 5 |

| | | | | | | | | |
|---------------------------------|-------|-------|------|-------|-------|-------|------|-----|
| No. of students attempted | 38 | 33 | 37 | 32 | 31 | 36 | 71 | 71 |
| Max Marks Question wise | 5 | 5 | 5 | 5 | 5 | 5 | 10 | 5 |
| Threshold 50% | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 5 | 2.5 |
| No. of Students above threshold | 37 | 32 | 35 | 29 | 29 | 34 | 70 | 71 |
| % of Students > Target Score | 97.37 | 96.97 | 94.6 | 90.63 | 93.55 | 94.45 | 98.6 | 100 |
| Attainment Level | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

Attainment Level 1: 40% students score more than threshold
Attainment Level 2: 50% students score more than threshold
Attainment Level 3: 60% students score more than threshold

| Course Outcome Mapping with each Question | | | | | | | | |
|---|-------------|---|---|---|---|---|-----------|------------|
| CO's | Question No | | | | | | Objective | Assignment |
| | 1 | 2 | 3 | 4 | 5 | 6 | | |
| Course outcome - 1 | y | y | | | | | y | y |
| Course outcome - 2 | | | y | y | | | y | y |
| Course outcome - 3 | | | | | y | y | y | y |
| Course outcome - 4 | | | | | | | | |
| Course outcome - 5 | | | | | | | | |

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Course Outcome Attainment based on Exam Questions in terms of percentage of total students when mapped to each question

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| CO's | Question No | | | | | | Objective | Assignment |
|--------------------|-------------|---|---|---|---|---|-----------|------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | | |
| Course outcome - 1 | 3 | 3 | | | | | 3 | 3 |
| Course outcome - 2 | | | 3 | 3 | | | 3 | 3 |
| Course outcome - 3 | | | | | 3 | 3 | 3 | 3 |
| Course outcome - 4 | | | | | | | | |
| Course outcome - 5 | | | | | | | | |

Course Outcome Attainment based on Exam Questions in terms of percentage of total students when mapped to each question

| CO's | Subjective | Objective | Assignment | Attainment Level | | |
|--------------------|------------|-----------|------------|------------------|--|--|
| Course outcome - 1 | 3.00 | 3.00 | 3.00 | 3.00 | | |
| Course outcome - 2 | 3.00 | 3.00 | 3.00 | 3.00 | | |
| Course outcome - 3 | 3.00 | 3.00 | 3.00 | 3.00 | | |
| Course outcome - 4 | | | | | | |
| Course outcome - 5 | | | | | | |

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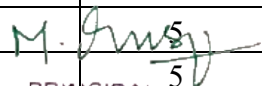


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| GOUTHAMI INSTITUTE OF TECHNOLOGY AND MANAGEMENT FOR WOMEN | | | | | | | | | |
|---|-------------|----------------------------------|---|----------------|---|---|---|-----------|------------|
| Department: | | COMPUTER SCIENCE AND ENGINEERING | | | | | | | |
| Course Outcome Attainment - Internal Assessments | | | | | | | | | |
| Name of the Faculty: | | S. YAKHOOB ALI | | Academic Year: | | | | 2022-23 | |
| Branch & Section: | | CSE | | Exam: | | | | MID - I | |
| Course/Sub: | | B.Tech- COMPILER DESIGN | | Year/Semister: | | | | III-II | |
| Sl.No | Roll Number | Question No. | | | | | | Objective | Assignment |
| | | 1 | 2 | 3 | 4 | 5 | 6 | | |
| Maximum Marks | | 5 | 5 | 5 | 5 | 5 | 5 | 10 | 5 |
| 1 | 208U1A0501 | 5 | | 5 | | 5 | | 4 | 5 |
| 2 | 208U1A0502 | 5 | | 5 | | | 5 | 6 | 5 |
| 3 | 208U1A0504 | | 5 | | 4 | 4 | | 7 | 5 |
| 4 | 208U1A0505 | 3 | | 2 | | | | 4 | 5 |
| 5 | 208U1A0506 | | 5 | | 5 | | 4 | 5 | 5 |
| 6 | 208U1A0507 | 5 | | | 5 | | 5 | 6 | 5 |
| 7 | 208U1A0508 | | 5 | 4 | | 4 | | 2 | 5 |
| 8 | 208U1A0509 | | 4 | | 4 | | 4 | 5 | 5 |
| 9 | 208U1A0510 | | 5 | 5 | | 5 | | 6 | 5 |
| 10 | 208U1A0511 | 5 | | | 5 | | 5 | 3 | 5 |
| 11 | 208U1A0512 | | 5 | 5 | | 5 | | 4 | 5 |
| 12 | 208U1A0513 | 4 | | 4 | | 4 | | 5 | 5 |
| 13 | 208U1A0514 | | | | | | | 0 | 5 |
| 14 | 208U1A0515 | 5 | | | 5 | 5 | | 4 | 5 |
| 15 | 208U1A0516 | | 5 | 5 | | | 5 | 3 | 5 |
| 16 | 208U1A0517 | | 5 | | 4 | 4 | | 2 | 5 |
| 17 | 208U1A0518 | 4 | | 5 | | | 4 | 5 | 5 |
| 18 | 208U1A0519 | | 3 | | 3 | 4 | | 5 | 5 |
| 19 | 208U1A0521 | 5 | | | 5 | 5 | | 5 | 5 |
| 20 | 208U1A0522 | 5 | | 5 | | | 5 | 5 | 5 |
| 21 | 208U1A0523 | | 5 | | 5 | 5 | | 6 | 5 |
| 22 | 208U1A0524 | 4 | | 4 | | 3 | | 2 | 5 |
| 23 | 208U1A0525 | | 5 | 5 | | | 5 | 7 | 5 |
| 24 | 208U1A0526 | 5 | | | 4 | 4 | | | |


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| | | | | | | | | | |
|----|------------|---|---|---|---|---|---|---|---|
| 25 | 208U1A0527 | 4 | | 4 | | | 4 | 5 | 5 |
| 26 | 208U1A0528 | | 4 | | 4 | 5 | | 6 | 5 |
| 27 | 208U1A0529 | | 5 | 5 | | 4 | | 3 | 5 |
| 28 | 208U1A0530 | 4 | | 3 | | | 2 | 8 | 5 |
| 29 | 208U1A0531 | | 5 | | 5 | | 5 | 5 | 5 |
| 30 | 208U1A0532 | 5 | | 4 | | 4 | | 5 | 5 |
| 31 | 208U1A0533 | | 5 | | 5 | | 4 | 6 | 5 |
| 32 | 208U1A0534 | | 4 | | 4 | 4 | | 5 | 5 |
| 33 | 208U1A0535 | 4 | | 4 | | 3 | | 3 | 5 |
| 34 | 208U1A0536 | 4 | | | 4 | | 5 | 6 | 5 |
| 35 | 208U1A0537 | 5 | | 5 | | 5 | | 6 | 5 |
| 36 | 208U1A0538 | | 5 | | 5 | | 5 | 4 | 5 |
| 37 | 208U1A0539 | 4 | | | 4 | | 3 | 4 | 5 |
| 38 | 208U1A0540 | | 5 | 5 | | 5 | | 3 | 5 |
| 39 | 208U1A0541 | | 4 | | 3 | | 4 | 5 | 5 |
| 40 | 208U1A0542 | 4 | | 5 | | 4 | | 3 | 5 |
| 41 | 208U1A0543 | | 5 | | 4 | | 4 | 4 | 5 |
| 42 | 208U1A0546 | 4 | | 4 | | 4 | | 5 | 5 |
| 43 | 208U1A0548 | | 4 | | 4 | | 4 | 4 | 5 |
| 44 | 208U1A0549 | 3 | | 3 | | | | 6 | 5 |
| 45 | 208U1A0550 | 5 | | 4 | | 5 | | 5 | 5 |
| 46 | 208U1A0551 | | 5 | | 5 | | | 3 | 5 |
| 47 | 208U1A0552 | 4 | | | | 4 | | 5 | 5 |
| 48 | 208U1A0553 | | 4 | | 4 | | 3 | 4 | 5 |
| 49 | 208U1A0554 | 3 | | 2 | | 3 | | 4 | 5 |
| 50 | 208U1A0555 | 5 | | 5 | | 5 | | 6 | 5 |
| 51 | 208U1A0556 | | 5 | 4 | | 5 | | 7 | 5 |
| 52 | 208U1A0557 | 5 | | | 5 | | 5 | 5 | 5 |
| 53 | 208U1A0558 | | 5 | 4 | | 4 | | 6 | 5 |
| 54 | 208U1A0559 | 4 | | | 4 | | 4 | 7 | 5 |
| 55 | 208U1A0560 | 5 | | 5 | | 5 | | 6 | 5 |
| 56 | 208U1A0561 | | 4 | | 5 | | 5 | 3 | 5 |
| 57 | 208U1A0562 | 4 | | 4 | | | 4 | 4 | 5 |
| 58 | 208U1A0563 | | 5 | 5 | | 4 | | 6 | 5 |
| 59 | 208U1A0564 | 5 | | 5 | | 5 | | 5 | 5 |
| 60 | 208U1A0566 | | 4 | | 4 | | 4 | 5 | 5 |
| 61 | 208U1A0567 | 4 | | 3 | | 1 | | 5 | 5 |


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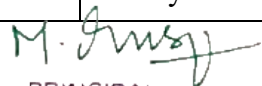
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| | | | | | | | | | |
|--------------------------------|------------|-----|-----|------|-----|------|-------|-------|-----|
| 62 | 208U1A0568 | | 5 | | 5 | 5 | | 5 | 5 |
| 63 | 208U1A0569 | 5 | | 5 | | | 5 | 6 | 5 |
| 64 | 208U1A0570 | | 5 | | 5 | 4 | | 7 | 5 |
| 65 | 208U1A0571 | 4 | | 4 | | 4 | | 6 | 5 |
| 66 | 208U1A0572 | | 4 | | 4 | | 5 | 6 | 5 |
| 67 | 208U1A0573 | 5 | | 4 | | | 4 | 5 | 5 |
| 68 | 208U1A0574 | | 5 | | 5 | 5 | | 3 | 5 |
| 69 | 208U1A0575 | 5 | | 5 | | | 5 | 3 | 5 |
| 70 | 208U1A0576 | | 5 | | 5 | 5 | | 7 | 5 |
| 71 | 208U1A0577 | 5 | | 4 | | | 4 | 5 | 5 |
| | | | | | | | | | |
| | | | | | | | | | |
| No. of students attempted | | 37 | 33 | 37 | 32 | 37 | 30 | 71 | 71 |
| Max Marks Question wise | | 5 | 5 | 5 | 5 | 5 | 5 | 10 | 5 |
| Threshold 50% | | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 5 | 2.5 |
| No. of Students above thresold | | 37 | 33 | 35 | 32 | 36 | 29 | 45 | 71 |
| % of Students>Target Score | | 100 | 100 | 94.6 | 100 | 97.3 | 96.67 | 63.39 | 100 |
| Attainment Level | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

Attainment Level 1: 40% students score more than threshold
Attainment Level 2: 50% students score more than threshold
Attainment Level 3: 60% students score more than threshold

| Course Outcome Mapping with each Question | | | | | | | | |
|---|-------------|---|---|---|---|---|-----------|------------|
| CO's | Question No | | | | | | Objective | Assignment |
| | 1 | 2 | 3 | 4 | 5 | 6 | | |
| Course outcome - 1 | | | | | | | | |
| Course outcome - 2 | | | | | | | | |
| Course outcome - 3 | y | y | | | | | y | y |
| Course outcome - 4 | | | y | y | | | y | y |
| Course outcome - 5 | | | | | y | y | y | y |


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Course Outcome Attainment based on Exam Questions in terms of percentage of total students when mapped to each question

| CO's | Question No | | | | | | Objective | Assignment |
|--------------------|-------------|---|---|---|---|---|-----------|------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | | |
| Course outcome - 1 | | | | | | | | |
| Course outcome - 2 | | | | | | | | |
| Course outcome - 3 | 3 | 3 | | | | | 3 | 3 |
| Course outcome - 4 | | | 3 | 3 | | | 3 | 3 |
| Course outcome - 5 | | | | | 3 | 3 | 3 | 3 |

Course Outcome Attainment based on Exam Questions in terms of percentage of total students when mapped to each question

| CO's | Subjective | Objective | Assignment | Attainment Level | | |
|--------------------|------------|-----------|------------|------------------|--|--|
| Course outcome - 1 | | | | | | |
| Course outcome - 2 | | | | | | |
| Course outcome - 3 | 3.00 | 3.00 | 3.00 | 3.00 | | |
| Course outcome - 4 | 3.00 | | | 3.00 | | |
| Course outcome - 5 | 3.00 | | | 3.00 | | |

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|---|------------------------|---|----------------|----------|
| Department: | | COMPUTER SCIENCE AND ENGINEERING | | |
| Course Outcome Attainment External Examination | | | | |
| Name of the Faculty: | S. YAKHOOB ALI | | Academic Year: | 2022-23 |
| Branch & Section: | CSE | | Exam: | EXTERNAL |
| Course: | B.Tech-COMPILER DESIGN | | Year/Semester: | III-II |
| S.NO. | HALLTICKET NO | TOTAL(Max. Score:70) | | |
| 1 | 208U1A0501 | 34 | | |
| 2 | 208U1A0502 | 27 | | |
| 3 | 208U1A0504 | 35 | | |
| 4 | 208U1A0505 | 5 | | |
| 5 | 208U1A0506 | 25 | | |
| 6 | 208U1A0507 | 10 | | |
| 7 | 208U1A0508 | 29 | | |
| 8 | 208U1A0509 | 6 | | |
| 9 | 208U1A0510 | 27 | | |
| 10 | 208U1A0511 | 27 | | |
| 11 | 208U1A0512 | 29 | | |
| 12 | 208U1A0513 | 26 | | |
| 13 | 208U1A0514 | 15 | | |
| 14 | 208U1A0515 | 35 | | |
| 15 | 208U1A0516 | 30 | | |
| 16 | 208U1A0517 | 12 | | |
| 17 | 208U1A0518 | 16 | | |
| 18 | 208U1A0519 | 6 | | |
| 19 | 208U1A0521 | 25 | | |
| 20 | 208U1A0522 | 15 | | |
| 21 | 208U1A0523 | 10 | | |
| 22 | 208U1A0524 | 9 | | |
| 23 | 208U1A0525 | 25 | | |
| 24 | 208U1A0526 | 5 | | |
| 25 | 208U1A0527 | 2 | | |
| 26 | 208U1A0528 | 33 | | |
| 27 | 208U1A0529 | 25 | | |
| 28 | 208U1A0530 | 3 | | |
| 29 | 208U1A0531 | 14 | | |


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| | | |
|----|------------|----|
| 30 | 208U1A0532 | 16 |
| 31 | 208U1A0533 | 13 |
| 32 | 208U1A0534 | 11 |
| 33 | 208U1A0535 | 10 |
| 34 | 208U1A0536 | 9 |
| 35 | 208U1A0537 | 25 |
| 36 | 208U1A0538 | 25 |
| 37 | 208U1A0539 | 10 |
| 38 | 208U1A0540 | 12 |
| 39 | 208U1A0541 | 25 |
| 40 | 208U1A0542 | 25 |
| 41 | 208U1A0543 | 8 |
| 42 | 208U1A0546 | 34 |
| 43 | 208U1A0548 | 28 |
| 44 | 208U1A0549 | 25 |
| 45 | 208U1A0550 | 55 |
| 46 | 208U1A0551 | 48 |
| 47 | 208U1A0552 | 29 |
| 48 | 208U1A0553 | 26 |
| 49 | 208U1A0554 | 25 |
| 50 | 208U1A0555 | 25 |
| 51 | 208U1A0556 | 49 |
| 52 | 208U1A0557 | 51 |
| 53 | 208U1A0558 | 41 |
| 54 | 208U1A0559 | 31 |
| 55 | 208U1A0560 | 49 |
| 56 | 208U1A0561 | 33 |
| 57 | 208U1A0562 | 39 |
| 58 | 208U1A0563 | 26 |
| 59 | 208U1A0564 | 33 |
| 60 | 208U1A0566 | 29 |
| 61 | 208U1A0567 | 27 |
| 62 | 208U1A0568 | 46 |
| 63 | 208U1A0569 | 37 |
| 64 | 208U1A0570 | 32 |
| 65 | 208U1A0571 | 29 |
| 66 | 208U1A0572 | 41 |

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| | | |
|--|------------|-------|
| 67 | 208U1A0573 | 25 |
| 68 | 208U1A0574 | 44 |
| 69 | 208U1A0575 | 52 |
| 70 | 208U1A0576 | 49 |
| 71 | 208U1A0577 | 32 |
| No. of students who attempted the subject | | 71 |
| Max. Marks | | 70 |
| Thresold 50% | | 28 |
| No. of students who scored more than the target score | | 49 |
| Percentage of students who scored more than target score | | 69.01 |
| Overall External Attainment level | | 3 |

| | | |
|------------------|----|--|
| Attainment Level | 1: | 40% students score more than threshold |
| Attainment Level | 2: | 50% students score more than threshold |
| Attainment Level | 3: | 60% students score more than threshold |

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End of Course Evaluation Form

Subject : B.Tech- COMPILER DESIGN
Section : CSE
Academic Year : 2022-23
Faculty Name : S. YAKHOOB ALI
Designation : Assistant Professor

| COURSE OUTCOMES: (AT THE END OF THE COURSE THE STUDENT IS ABLE TO) | | To a great extent (High) | To a moderate extent (Medium) | To some extent (Low) | Out of 3 |
|---|--|-----------------------------|----------------------------------|-------------------------|-------------|
| | | (3) | (2) | (1) | |
| 1 | Differentiate the various phases of a compiler | 43 | 19 | 0 | 2.69 |
| 2 | Demonstrate the knowledge of Design code generator | 50 | 10 | 2 | 2.77 |
| 3 | Applying code optimization techniques | 54 | 7 | 1 | 2.85 |
| 4 | Identify the tokens and verify the code | 45 | 13 | 4 | 2.66 |
| 5 | Applying different parsing techniques to parse the given the grammar | 52 | 10 | 0 | 2.84 |
| Overall Rating | | Out of 3: | | | 2.76 |

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| GOUTHAMI INSTITUTE OF TECHNOLOGY AND MANAGEMENT FOR WOMEN | | | |
|---|---|----------------|---------|
| Department: | COMPUTER SCIENCE AND ENGINEERING | | |
| Overall Course Outcome Attainment | | | |
| Name of the Faculty: | S. YAKHOOB ALI | Academic Year: | 2022-23 |
| Branch & Section: | CSE-A | Exam: | |
| Course: | B.TECH | Semister: | III-II |

| Course Outcomes | 1st Internal Exam | 2nd Internal Exam | Internal Exam(Avg.) | University Exam | Overall Attainment |
|--------------------|-------------------|-------------------|---------------------|-----------------|--------------------|
| Course outcome - 1 | 3.00 | - | 3.00 | 3.00 | 3 |
| Course outcome - 2 | 3.00 | - | 3.00 | 3.00 | 3 |
| Course outcome - 3 | 3.00 | 3.00 | 3.00 | 3.00 | 3 |
| Course outcome - 4 | - | 3.00 | 3.00 | 3.00 | 3 |
| Course outcome - 5 | - | 2.67 | 3.00 | 3.00 | 3 |
| Average | | | 3.00 | 3.00 | 3 |

| | |
|---|-------------|
| Final CO Direct Attainment for the Subject | 3 |
| Final CO Indirect Attainment for the Subject | 2.76 |
| Final CO Attainment for the Subject | 2.95 |


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Department: COMPUTER SCIENCE AND ENGINEERING

CO-PO Mapping & PO Attainment Direct Method

| | | | |
|----------------------|------------------------|----------------|---------|
| Name of the Faculty: | | Academic Year: | 2022-23 |
| Branch & Section: | CSE | Exam: | |
| Course/Sub: | B.Tech-COMPILER DESIGN | Year/Semester: | III/II |

COURSE OUTCOMES AND PROGRAM OUTCOMES MAPPING

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 |
|----------------------|-------------|-------------|-------------|----------|-------------|----------|----------|----------|----------|-------------|----------|----------|-------------|-------------|
| Course outcome - 1 | 2 | 3 | 2 | - | 2 | - | - | - | - | 2 | - | - | 2 | 1 |
| Course outcome - 2 | 3 | 3 | 2 | - | 1 | - | - | - | - | 2 | - | - | 2 | 1 |
| Course outcome - 3 | 3 | 3 | 2 | - | 2 | - | - | - | - | 1 | - | - | 3 | 2 |
| Course outcome - 4 | 2 | 3 | 2 | - | 1 | - | - | - | - | 2 | - | - | 2 | 3 |
| Course outcome - 5 | 3 | 3 | 2 | - | 1 | - | - | - | - | 2 | - | - | 2 | 1 |
| COs Average | 2.6 | 3 | 2 | - | 1.4 | - | - | - | - | 1.8 | - | - | 2.2 | 1.6 |
| PO ATTAINMENT | 2.56 | 2.95 | 1.97 | - | 1.38 | - | - | - | - | 1.77 | - | - | 2.16 | 1.57 |

M. Gurusamy

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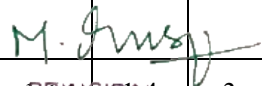
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Program Level CO-PO Mapping

(A.Y. : 2018-2022)

| BTECH I YEAR I SEM(A.Y.2018-2019) | | | | | | | | | | | | | | | |
|-----------------------------------|--------------|-------|--|------------------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| SN O | COURSE CODE | COD E | NAME | PROGRAM OUTCOMES | | | | | | | | | | PO11 | PO12 |
| | | | | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | | |
| 1 | C111 | C111 | English – I | 3 | 3 | 3 | 2 | 2 | | | | | | | 3 |
| 2 | C112 | C112 | Mathematics - I | 3 | 3 | 3 | 2 | 2 | | | | | | | 2.8 |
| 3 | C113 | C113 | Mathematics – II | 3 | 3 | 2.8 | 2 | 2.6 | | | | | | | 3 |
| 4 | C114 | C114 | Applied Physics | 3 | 3 | | 2.2 | 2.6 | | | 2.6 | 3 | 3 | | 3 |
| 5 | C115 | C115 | Computer Programmin g | 2.8 | 2.8 | 2.6 | 1.8 | 1.6 | 1.6 | 1.6 | 2 | 2.6 | 1.4 | 1.4 | 3 |
| 6 | C116 | C116 | Engineering Drawing | 3 | 3 | 2 | 2.2 | 2.6 | 2 | | 2.2 | 2 | 1.8 | | 3 |
| 7 | C117 | C117 | English - Communicat ion Skills Lab - 1 | 3 | 3 | | 2.2 | 2.6 | | | 2.6 | 3 | 3 | | 3 |
| 8 | C118 | C118 | Applied Physics Lab | 3 | 3 | | 2.2 | 2.6 | | | 2.6 | 3 | 3 | | 3 |
| 9 | C119 | C119 | Computer Programmin g Lab | 2.8 | 2.8 | | 1.8 | 1.6 | 1.6 | 1.6 | 2 | 2.6 | 1.4 | 1.4 | 3 |
| BTECH I YEAR II SEM | | | | | | | | | | | | | | | |
| SN O | COURS E CODE | CODE | NAME | PROGRAM OUTCOMES | | | | | | | | | | PO11 | PO12 |
| | | | | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | | |
| 10 | C121 | C121 | English – II | 3 | 3 | c | 1.6 | 2.4 | | | | | | | 2.8 |
| 11 | C122 | C122 | Mathematics - III | 2.8 | 2.6 | 2.6 | 1.6 | 1.6 | | | | | | | 2.6 |
| 12 | C123 | C123 | Applied Chemistry | 2.4 | 2.4 | 2.4 | 1.6 | 1.6 | | | | | | | 2.4 |
| 13 | C124 | C124 | Object Oriented Programmin g through C++ | 2.8 | 2.8 | 2 | 2 | 2.6 | 2 | | 2 | 2 | 2 | | 2.8 |
| 14 | C125 | C125 | Environment al Studies | 2.8 | 2.6 | 2.6 | 2.2 | 1.6 | 2.2 | 1.8 | 2.2 | 2.4 | 2.4 | 3 | 3 |


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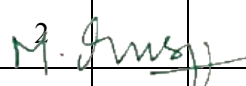


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| | | | | | | | | | | | | | | | |
|---|------|------|--|-----|-----|-----|-----|-----|-----|-----|---|-----|-----|-----|------|
| 15 | C126 | C126 | Engineering Mechanics | 2.8 | 2.8 | 2.4 | 1.6 | 1.6 | | | | | | | 2.6 |
| 16 | C127 | C127 | Applied Chemistry Lab | 2.6 | 2.6 | 2.6 | 1.8 | 2.4 | | | | | | | 2.6 |
| 17 | C128 | C128 | English - Communication Skills Lab - 2 | 2.8 | 2.8 | 2.2 | 2.2 | 2.6 | 2 | | 2 | 2 | 2 | | 2.8 |
| 18 | C129 | C129 | Object Oriented Programming Lab | 2.4 | 2.4 | 2.4 | 1.6 | 1.6 | | | | | | | 2.4 |
| BTECH II YEAR I SEM (AY.2019-2020) | | | | | | | | | | | | | | | |
| 19 | C211 | C211 | Statistics with R Programming | 2.8 | 2.8 | 2.8 | 2.2 | 2 | 2.4 | 2.4 | | 2 | 2 | 2.2 | 3 |
| 20 | C212 | C212 | Mathematical Foundations of Computer Science | 2.4 | 3 | 2.6 | | | 1.4 | 1.2 | | | 1.6 | | 1.6 |
| 21 | C213 | C213 | Digital Logic Design | 2.8 | 2.7 | 2.6 | | 2 | | 2.4 | | | 2.4 | | 2.6 |
| 22 | C214 | C214 | Python Programming | 3 | 3 | 2.4 | 2.2 | 2.2 | 2 | 2 | | 1 | 1.6 | | 2 |
| 23 | C215 | C215 | Data Structures through C++ | 3 | 2 | 2.5 | 2 | | | | | | | | |
| 24 | C216 | C216 | Computer Graphics | 1.8 | 2 | 2.2 | 1.8 | 2 | | | | 2 | 2 | 1.6 | 1.8 |
| 25 | C217 | C217 | Data Structures through C++ Lab | 2.4 | 2.4 | 1.3 | 1.8 | 2 | | | | 1.8 | 2 | 2.4 | 1.67 |
| 26 | C218 | C218 | Python Programming Lab | 3 | 3 | 2.4 | 2.2 | 2.2 | 2 | 2 | | 1 | 1.6 | | 2 |
| BTECH II YEAR I SEM (AY.2019-2020) | | | | | | | | | | | | | | | |
| 27 | C221 | C221 | Software Engineering | 3 | 2.2 | 2.4 | 2.2 | 2 | 2 | 2 | | 2.2 | | | |
| 28 | C222 | C222 | Java Programming | 2.4 | 2.2 | 2 | 2.4 | 2 | 2.2 | | | 2.4 | 2.8 | | 2 |


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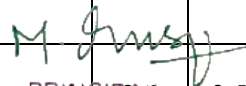


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| | | | | | | | | | | | | | | | |
|--|------|------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 29 | C223 | C223 | Advanced Data Structures | 2.2 | 2.2 | 2.2 | 2.4 | 1.8 | 2.2 | 1.8 | | 2.6 | 2 | | 2 |
| 30 | C224 | C224 | Computer Organization | 2.4 | 2.2 | 2 | 2 | 2 | | | | 2 | | | 2 |
| 31 | C225 | C225 | Formal Languages and Automata Theory | 1 | 1 | 2 | 1 | 2 | 2 | 2 | 3 | 3 | 2 | 1 | 2 |
| 32 | C226 | C226 | Principles of Programming Languages | 2.8 | 2 | 2.8 | | | | | | | | | 2.6 |
| 33 | C227 | C227 | Advanced Data Structures Lab | 2.2 | 2.2 | 2.2 | 2.3 | 2.3 | | | | | 1.8 | | |
| 34 | C228 | C228 | Java Programming Lab | 2 | 2 | 3 | 2 | | | | | 2 | 2.2 | | |
| BTECH III YEAR I SEM (AY.2020-2021) | | | | | | | | | | | | | | | |
| 35 | C311 | C311 | Compiler Design | 2.6 | 2.4 | 2.2 | 2.4 | 2.6 | | | | 2.4 | 2.6 | | 2.2 |
| 36 | C312 | C312 | Unix Programming | 2.6 | 2.8 | 2.6 | | | | | | 2.4 | 2.4 | 2.2 | 2.6 |
| 37 | C313 | C313 | Object Oriented Analysis and Design using UML | 2.6 | 2.6 | 2.4 | 2.6 | 2.5 | 1.8 | | 2.5 | 2.6 | | 2.6 | 2.5 |
| 38 | C314 | C314 | Database Management Systems | 1.0 | 1.0 | 2.0 | 1.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 2.0 | 1.0 | 2.0 |
| 39 | C315 | C315 | Operating Systems | 2.5 | 2.3 | 2.3 | 2.3 | 2.3 | | | | 2.0 | 2.0 | 2.5 | 2.3 |
| 40 | C316 | C316 | Unified Modeling Lab | 2.6 | 2.2 | 2.8 | 2.4 | 2.6 | | | | 2.4 | 2.6 | | 2.2 |
| 41 | C317 | C317 | Operating System & Linux Programming Lab | 2.8 | 2.4 | 2.8 | 2.2 | 2.0 | | | | 2.6 | 2.6 | 2.2 | 2.0 |
| 42 | C318 | C318 | Database Management System Lab | 2.6 | 2.6 | 2.4 | 2.6 | 2.5 | 1.8 | | 2.5 | 2.6 | 2.6 | 2.2 | 2.5 |


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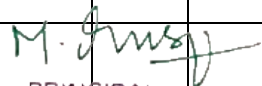


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| BTECH III YEAR II SEM | | | | | | | | | | | | | | | |
|--------------------------------|------|------|---|-----|-----|------|------|-----|-----|---|---|------|------|-----|------|
| 43 | C321 | C321 | Computer Networks | 3 | 3 | 3 | 3 | 3 | | | | 2 | 2.4 | 2.4 | 2.6 |
| 44 | C322 | C322 | Data Warehousing and Mining | 2.4 | 2.4 | 2.2 | | 2.8 | | | | 2.2 | 2.2 | | |
| 45 | C323 | C323 | Design and Analysis of Algorithms | 2.4 | 2 | 2 | 2 | 2 | 2 | | | 1 | | | 2 |
| 46 | C324 | C324 | Software Testing Methodologies | 2.6 | 2 | 2 | 2 | | | | | 2.4 | | | 2.2 |
| 47 | C325 | C325 | Embedded Systems | 2.6 | 2.2 | 2 | 2 | 2 | | | | | | | |
| 48 | C326 | C326 | Network Programming Lab | 2.2 | 2 | 2 | 2 | 2 | | | | | | | 2 |
| 49 | C327 | C327 | Software Testing Lab | 2.6 | 2.2 | 2.4 | 2.6 | | | | | 2.4 | | | 2.4 |
| 50 | C328 | C328 | Data Warehousing and Mining Lab | 3 | 3 | | | | | | | | | | |
| BTECH IV YEAR I SEM(2021-2022) | | | | | | | | | | | | | | | |
| 51 | C411 | C411 | Cryptography and Network Security | 1.5 | 2.2 | 2.06 | 2.06 | | | | | 1.5 | 0 | | 2.25 |
| 52 | C412 | C412 | Software Architecture & Design Patterns | 1.5 | 1.3 | 1.4 | 1.4 | 1.3 | 1.1 | | | | 1.5 | 1.5 | 1.3 |
| 53 | C413 | C413 | Web Technologies | 2.1 | 2.1 | 2.1 | 1.95 | 2.1 | | | | 2.25 | 1.95 | | 1.8 |
| 54 | C414 | C414 | Managerial Economics and Financial Analysis | 1.5 | 1.5 | 1.5 | 1.5 | | | | | 1.3 | 1.5 | | |
| 55 | C415 | C415 | Mobile Computing | 2 | 2 | 3 | 2.6 | 3 | | | | | | | |
| 56 | C416 | C416 | Cloud | 2.4 | 2 | 2.2 | 2.2 | 2.6 | 2 | 2 | 2 | | | | |


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| | | | | | | | | | | | | | | | |
|-----------------------------|------|------|---|------|------|------|------|------|------|------|------|------|------|------|------|
| | | | Computing | | | | 5 | | | | | | | | |
| 57 | C417 | C417 | Software Architecture & Design Patterns Lab | 2 | 2.2 | 2.4 | 2.2 | 2.2 | | | | | | | |
| 58 | C418 | C418 | Web Technologies Lab | 2.3 | 2 | 3 | | 2 | 2 | | | 2 | 3 | 2 | |
| BTECH IV YEAR II SEM | | | | | | | | | | | | | | | |
| 59 | C421 | C421 | Distributed Systems | 1 | 1 | 2 | 1 | 2 | 2 | 2 | 3 | 3 | 2 | 1 | 2 |
| 60 | C422 | C422 | Management Science | 2.5 | 2.2 | 3 | 2.3 | 2 | 1 | | | | | | |
| 61 | C423 | C423 | Machine Learning | 2.25 | 2.2 | 2.25 | | 2.1 | | 1.95 | | 1.05 | | 1.95 | 2.1 |
| 62 | C424 | C424 | Artificial Neural Networks | 2.3 | 2 | 3 | | 2 | 2 | | | 2 | 3 | 2 | |
| Average | | | | 2.42 | 2.32 | 2.38 | 2.39 | 2.08 | 1.79 | 1.78 | 2.76 | 2.58 | 1.78 | 2.19 | 2.79 |

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PO ATTAINMENT LEVEL (2018-2022)

| COURSE | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Direct Attainment (Average) | 2.42 | 2.32 | 2.38 | 2.39 | 2.08 | 1.79 | 1.78 | 2.76 | 2.58 | 1.78 | 2.19 | 2.79 |
| Direct Attainment (80%Average) | 1.936 | 1.856 | 1.904 | 1.912 | 1.664 | 1.432 | 1.424 | 2.208 | 2.064 | 1.424 | 1.752 | 2.232 |
| Indirect Attainment | 2.92 | 2.89 | 2.95 | 2.89 | 2.96 | 2.95 | 2.75 | 2.81 | 2.85 | 2.77 | 2.86 | 2.91 |
| Indirect Attainment (20%) | 0.58 | 0.57 | 0.59 | 0.57 | 0.59 | 0.59 | 0.55 | 0.56 | 0.57 | 0.55 | 0.57 | 0.58 |
| Overall PO attainment (80+20) | 2.516 | 2.426 | 2.494 | 2.482 | 2.254 | 2.022 | 1.974 | 2.768 | 2.634 | 1.974 | 2.322 | 2.812 |

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| S.No | CODE | Name | PSO | | |
|------------------------|------|--|------|------|------|
| | | | PSO1 | PSO2 | PSO3 |
| B.TECH I YEAR | | | | | |
| 1 | C111 | English – I | 1.6 | 2 | - |
| 2 | C112 | Mathematics - I | 2 | 2 | - |
| 3 | C113 | Mathematics – II | 2 | 2 | - |
| 4 | C114 | Applied Physics | 1.6 | 1.6 | 1.6 |
| 5 | C115 | Computer Programming | 1.6 | 1.6 | 1.2 |
| 6 | C116 | Engineering Drawing | 1.6 | 1.6 | 1.6 |
| 7 | C117 | English - Communication Skills Lab - 1 | 1.6 | 1.6 | 1.6 |
| 8 | C118 | Applied Physics Lab | 1.6 | 1.6 | - |
| 9 | C119 | Computer Programming Lab | 1.6 | 1.6 | - |
| 10 | C121 | English – II | 1.6 | 2 | 1.4 |
| 11 | C122 | Mathematics - III | 1.6 | 1.6 | 1.6 |
| 12 | C123 | Applied Chemistry | 1.6 | 1.6 | 3 |
| 13 | C124 | Object Oriented Programming through C++ | 2 | 1.8 | 2.2 |
| 14 | C125 | Environmental Studies | 2 | 2.4 | 1.6 |
| 15 | C126 | Engineering Mechanics | 2 | 2 | |
| 16 | C127 | Applied Chemistry Lab | 1.6 | 2 | 1.4 |
| 17 | C128 | English - Communication Skills Lab – 2 | 1.8 | 1.8 | 3 |
| 18 | C129 | Object Oriented Programming Lab | 2 | 1.8 | 2.2 |
| B.TECH II YEAR | | | | | |
| 19 | C211 | Statistics with R Programming | 1.6 | 1.6 | 1.6 |
| 20 | C212 | Mathematical Foundations of Computer Science | 2.2 | 2.6 | 3 |
| 21 | C213 | Digital Logic Design | 1.8 | 1.8 | - |
| 22 | C214 | Python Programming | 2.2 | 2.4 | 2.8 |
| 23 | C215 | Data Structures through C++ | 2.85 | 2.4 | 3 |
| 24 | C216 | Computer Graphics | 1.8 | | 2 |
| 25 | C217 | Data Structures through C++Lab | 2.6 | 2.4 | 2.6 |
| 26 | C218 | Python Programming Lab | 2.2 | 2.4 | 2.6 |
| 27 | C221 | Software Engineering | 2.8 | 2.6 | 2 |
| 28 | C222 | Java Programming | 2.2 | 2.8 | 2.2 |
| 29 | C223 | Advanced Data Structures | 2.6 | 2.6 | 2.4 |
| 30 | C224 | Computer Organization | 2.8 | 2.5 | |
| 31 | C225 | Formal Languages and Automata Theory | 2 | 3 | 3 |
| 32 | C226 | Principles of Programming Languages | 2.4 | 2 | 2.2 |
| 33 | C227 | Advanced Data Structures Lab | 2.4 | 2.6 | 2 |
| 34 | C228 | Java Programming Lab | 2.2 | 2.4 | 2.6 |
| B.TECH III YEAR | | | | | |
| | | | 2.8 | 2.4 | |


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| | | | | | |
|----------------------|------|---|------------|------------|------------|
| 35 | C311 | Compiler Design | 2.6 | 2.4 | 2.6 |
| 36 | C312 | Unix Programming | 2.6 | 3 | 2.6 |
| 37 | C313 | Object Oriented Analysis and Design using UML | 2 | 3 | 3 |
| 38 | C314 | Database Management Systems | 2.5 | 2 | 2.8 |
| 39 | C315 | Operating Systems | 2.2 | 2.2 | 2.8 |
| 40 | C316 | Unified Modeling Lab | 2.6 | 2.2 | 2.8 |
| 41 | C317 | Operating System & Linux Programming Lab | 2.6 | 2.2 | 2.0 |
| 42 | C318 | Database Management System Lab | 2.6 | 3 | 2.6 |
| 43 | C321 | Computer Networks | 2.8 | 2.4 | 2.2 |
| 44 | C322 | Data Warehousing and Mining | 3 | 2.2 | 2.4 |
| 45 | C323 | Design and Analysis of Algorithms | 2.2 | 2 | 2 |
| 46 | C324 | Software Testing Methodologies | 2 | 2.2 | 2 |
| 47 | C325 | Embedded Systems | 2.6 | 2.4 | 3 |
| 48 | C326 | Network Programming Lab | 2.8 | 2.4 | 2.2 |
| 49 | C327 | Software Testing Lab | 3 | 2.4 | 2.8 |
| 50 | C328 | Data Warehousing and Mining Lab | 3 | - | - |
| B.TECH IVYEAR | | | | | |
| 51s | C411 | Cryptography and Network Security | 2.1 | 2.25 | 2.25 |
| 52 | C412 | Software Architecture & Design Patterns | 1.3 | 1.5 | 1.5 |
| 53 | C413 | Web Technologies | 1.65 | 1.95 | 2.25 |
| 54 | C414 | Managerial Economics and Financial Analysis | 1.5 | 1.4 | 1.3 |
| 55 | C415 | Mobile Computing | 3 | 3 | 3 |
| 56 | C416 | Cloud Computing | 2.4 | 2.2 | 2 |
| 57 | C417 | Software Architecture & Design Patterns Lab | 2.2 | 2 | 2 |
| 58 | C418 | Web Technologies Lab | 2.3 | 2.2 | 2.5 |
| 59 | C421 | Distributed Systems | 2.5 | 2.5 | 2.5 |
| 60 | C422 | Management Science | 2 | 3 | 3 |
| 61 | C423 | Machine Learning | 2 | 2.6 | 2.25 |
| 62 | C424 | Artificial Neural Networks | 2.1 | 2.1 | |
| AVERAGE | | | 1.8 | 2.8 | 2.4 |

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| PSO ATTAINMENT LEVEL(2018-2019) | | | |
|---------------------------------|------|------|------|
| COURSE | PSO1 | PSO2 | PSO3 |
| Direct Attainment (Average) | 1.8 | 2.8 | 2.4 |
| Direct attainment (80% of Avg) | 1.4 | 2.2 | 1.9 |
| Indirect Attainment | 2.92 | 2.93 | 2.91 |
| Indirect Attainment (20%) | 0.5 | 0.5 | 0.5 |
| Overall PO Attainment (80+20) | 1.9 | 2.7 | 2.4 |

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