SHRI G. S. INSTITUTE OF TECHNOLOGY & SCIENCE

DEPARTMENT OF ELECTRONICS & INSTUMENTION ENGINEERING

Year: 2022-23

FEEDBACK FROM STACKHOLDERS:

1. Students

Exit Survey Feedback on Facilities

- 2. Parents
- 3. External Examiner
- 4. Alumni

Feedback Analysis of Students- Exit survey

(2022-23)

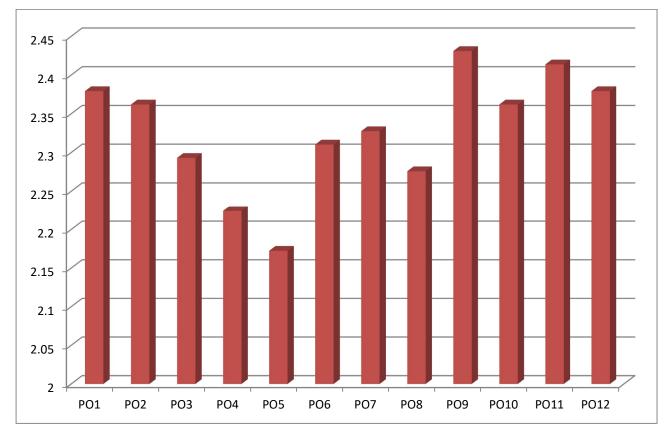
| S.no | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO1 |
|------|-----|-----|-----|-----|-----|-----|-----|------------|-----|------|------|-----|
| • | | | | | | | | | | | | 2 |
| 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 2 | 3 | 2 | 2 | 3 | 2 | 2 | 3 | 3 | 2 | 2 | 3 | 3 |
| 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 4 | 2 | 1 | 2 | 0 | 3 | 2 | 3 | 1 | 2 | 1 | 2 | 1 |
| 5 | 2 | 3 | 3 | 2 | 2 | 3 | 2 | 2 | 3 | 3 | 3 | 3 |
| 6 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 2 | 3 | 3 |
| 7 | 3 | 3 | 2 | 2 | 1 | 2 | 3 | 3 | 3 | 3 | 3 | 3 |
| 8 | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 |
| 9 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| 10 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 11 | 3 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 2 |
| 12 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 3 | 3 | 2 | 3 | 3 |
| 13 | 2 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 14 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 15 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 16 | 2 | 1 | 2 | 1 | 2 | 3 | 3 | 1 | 3 | 3 | 2 | 3 |
| 17 | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 2 | 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 | 2 | 3 | 3 | 3 | 2 |
|----|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 21 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
| 22 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 23 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | 1 | 1 | 2 | 2 |
| 24 | 2 | 2 | 3 | 2 | 1 | 2 | 3 | 2 | 3 | 3 | 2 | 2 |
| 25 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 26 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 2 |
| 28 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 1 |
| 29 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 3 | 3 | 2 | 2 |
| 30 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 31 | 2 | 3 | 2 | 2 | 3 | 3 | 2 | 3 | 3 | 2 | 2 | 3 |
| 32 | 1 | 3 | 3 | 3 | 2 | 1 | 2 | 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 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 36 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 37 | 2 | 3 | 1 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 38 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 39 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 40 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 1 |
| 41 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 42 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 |
| 43 | 3 | 2 | 3 | 3 | 3 | 3 | 1 | 2 | 3 | 3 | 2 | 3 |
| 44 | 3 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 2 |
| 45 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 46 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 2 |
| 47 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 48 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 |
| 49 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 50 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 51 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| AVG | 2.37 | 2.36 | 2.29 | 2.22 | 2.17 | 2.31 | 2.32 | 2.27 | 2.43 | 2.36 | 2.41 | 2.37 |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 58 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 57 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 56 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 55 | 3 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 3 | 3 |
| 54 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 53 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 52 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | 1 |

Note: Numbers indicating the rating given by each students

Exit survey Analysis based on PO'S:

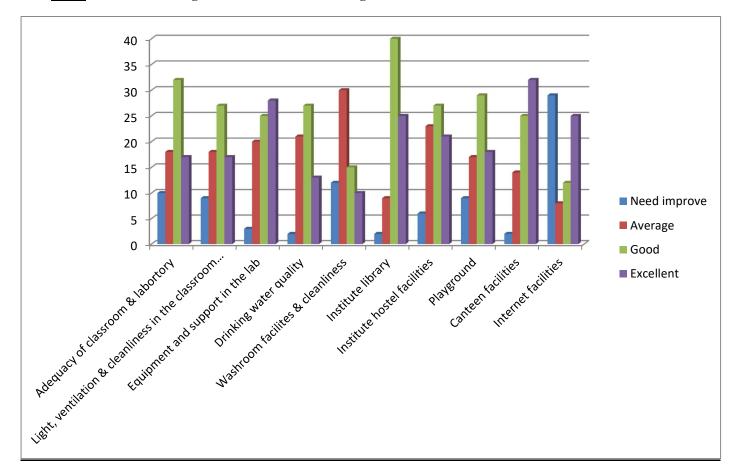


Feedback Analysis of students on facilities

| Rating | Adequac y of class room & labortor y | Light, ventilat ion & cleanli ness in the classro om and laborat ories | Equipmen t and support in the lab | Drinking water quality | Washroo m facilites & cleanliness | Institut e library | Institut e hostel facilitie s | Play- groun d | Cantee n facilitie s | Interne t facilitie s |
|--------------------|--|---|--|------------------------------|--|--------------------------|--|---------------------|-------------------------------|--------------------------------|
| Need to improve | 10 | 9 | 3 | 2 | 12 | 2 | 6 | 9 | 2 | 29 |
| Average | 18 | 18 | 20 | 21 | 30 | 9 | 23 | 17 | 14 | 8 |
| Good | 32 | 27 | 25 | 27 | 15 | 40 | 27 | 29 | 25 | 12 |
| Excellen t | 17 | 17 | 28 | 13 | 10 | 25 | 21 | 18 | 32 | 25 |

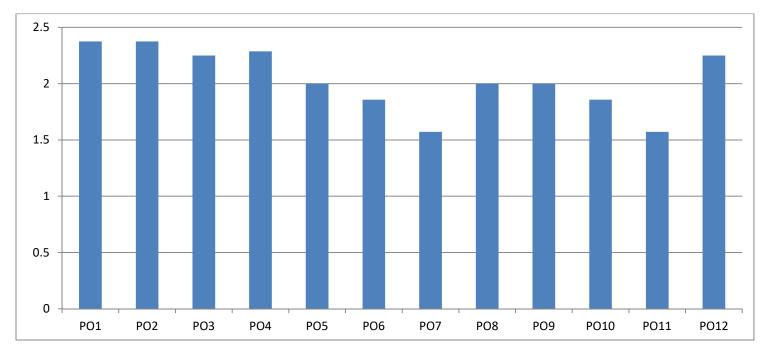
(2022-23)

Note: Numbers indicating number of student who has given feedback



| Analysis of Feedback taken from External Examiner | |
|---|--|
| (2022-23) | |

| | (2022-23) | | | | | | | | | | | | |
|-----------|---|-------|------|-----|------|-----|-----|-----|-----|-----|------|------|------|
| S. No. | Subject name and code | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| 1 | Electronics workshop | 3 | 3 | 3 | 3 | | | | 3 | 3 | 3 | 3 | 3 |
| 2 | Digital Electronics | 2 | 2 | 2 | 2 | 3 | | 0 | 0 | 0 | 0 | 0 | 3 |
| 3 | Fundametals of Measurement | 2 | 2 | 2 | 2 | 1 | 3 | 3 | 3 | 2 | 2 | 2 | 2 |
| 4 | Software Workshop | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 |
| 5 | Microcontroller & Embedded system | 2 | 2 | 3 | | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 1 |
| 6 | Miniproject | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 2 | 3 | 3 | 2 | 2 |
| 7 | EI-23017 | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 3 | 2 | 3 | 2 | 3 |
| 8 | Sensor & Transducer | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 2 | 3 | | | 2 |
| | AVERAGE | 2.375 | 2.38 | 2.3 | 2.29 | 2 | 1.9 | 2 | 2 | 2 | 1.86 | 1.6 | 2.25 |

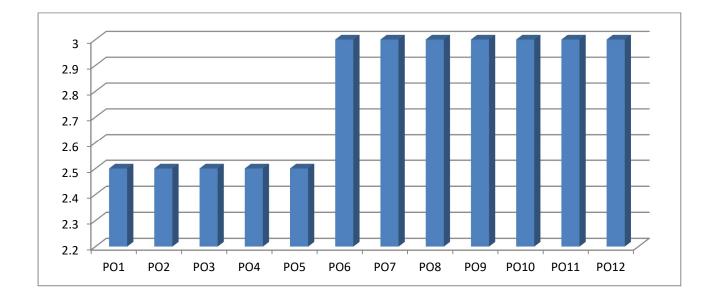


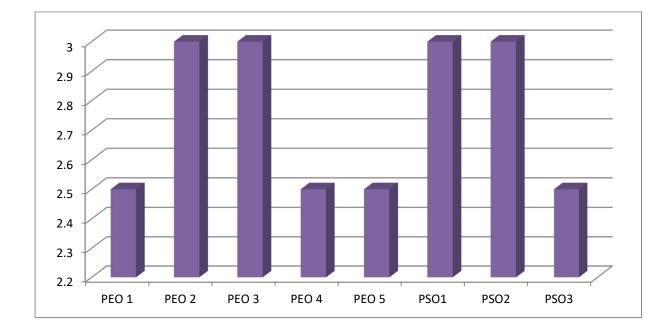
Feedback Analysis from Alumni

<u>(2022-23)</u>

| PO'S, PEO'S AND PSO (Rating) | Rating |
|--|--------|
| PO1: Engineering knowledge | 2.5 |
| PO2: Problem analysis | 2.5 |
| PO3: Design/Development of Solutions | 2.5 |
| PO4: Conduct investigations of complex problems | 2.5 |
| PO5: Modern tool usage | 2.5 |
| PO 6: The engineer and society | 3 |
| PO 7: Environment and sustainability | 3 |
| PO 8: Ethics | 3 |
| PO 9: Individual and team work | 3 |
| PO 10: Communication | 3 |
| PO 11: Project management and finance | 3 |
| PO 12: Life-long learning | 3 |
| PEO 1: Professional Development | 2.5 |
| PEO2: Core Proficiency | 3 |
| PEO3: Technical Accomplishments | 3 |
| PEO4: Professionalism | 2.5 |
| PEO5: Learning Environment | 2.5 |
| PSO1: The ability to analyze, design and implement application specific electronic system for complex engineering problems for analog, digital domain, communications and signal processing applications by applying the knowledge | |
| of basic sciences, engineering mathematics and engineering fundamentals. | 3 |

| PSO2: The ability to adapt for rapid changes in tools and technology with an understanding of societal and ecological issues relevant to professional | |
|--|-----|
| engineering practice through life-long learning. | 3 |
| PSO3: Excellent adaptability to function in multi-disciplinary work environment, good interpersonal skills as a leader in a team in appreciation of | |
| professional ethics and societal responsibilities. | 2.5 |





Shri G.S. Institute of Technology and Science, Indore DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGG.

feedback of Exit Survey of final Year Student

SAMPLE

| Name:- | |
|---------------------------------|--|
| Pass out Year:- | |
| Email Id:- | |
| Contact No:- | |
| Organization/Institution Name:- | |

Please indicate the relevance through observing the students of the Department. The following program outcomes(PO1 to PO12) and PEO1 to PEO5 mentioned below for the Programme of B. Tech in Electronics & Instrumentation Engineering at SGSITS on the scale o to 3

| POs | "0"-No | "1"- | "2" Moderately | "3"- Substantial |
|--|-----------|----------|----------------|------------------|
| | | Slightly | (Medium) | |
| Please Tick() on the appropriate Box | Relevance | (Low) | Relevant | (High) Relevant |
| | | | Relevant | |
| | | Relevant | | |
| | | | | |
| | | | | |
| | | | | |
| PO 1: Engineering knowledge | | | | |
| | | | | |
| PO2: Problem analysis | | | | |
| | | | | |
| PO3: Design/development of solutions: | | | | |
| POS: Design/development of solutions: | | | | |
| | | | | |
| PO4: Conduct investigations of complex problems: | | | | |
| | | | | |
| PO5: Modern tool usage: | | | | |
| | | | | |
| PO6: The engineer and society: | | | | |
| | | | | |
| PO7: Environment and sustainability: | | | | |
| 107. Environment and sustaindonity. | | | | |
| PO8: Ethics: | | | | |
| PO8: Ethics: | | | | |
| | | | | |
| PO9: Individual and team work: | | | | |
| | | | | |
| PO10: Communication: | | | | |
| | | | | |
| PO11: Project management and finance: | | | | |
| | | | | |
| PO12: Life-long learning: | | | | |
| | | | | |
| | | | <u> </u> | l |

| POs | "0"-No | "1"- | "2" Moderately | "3"- Substantial |
|--------------------------------------|-----------|-------------------|----------------------|------------------|
| Please Tick() on the appropriate Box | Relevance | Slightly (Low) | (Medium) Relevant | (High) Relevant |
| | | Relevant | | |
| | | | | |
| PEO 1: PROFESSIONAL DEVELOPMENT- | | | | |
| PEO2: CORE PROFICIENCY- | | | | |
| PEO3: TECHNICAL ACCOMPISHMENTS- | | | | |
| PEO4: PROFESSIONALISM- | | | ~ | |
| PEO 5: LEARNING ENVIRONMENT- | | | | |

Suggestion/ Comment

Signature:-

Place:-

Date:-

Shri G.S. Institute of Technology and Science, Indore DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGG.

Feedback of students on facilities

SAMPLE

| Name | |
|-------------------------------|--|
| Enrollment No. | |
| Course | |
| Email. Id | |
| Contact No. | |
| Organization Institution name | |
| | |

| Please Tick on the appropriate | Need to | Average (2) | Good(3) | Excellent(4) |
|-----------------------------------|-------------|-------------|---------|--------------|
| box | Improve (1) | | | |
| Adequacy of classroom & | | | | |
| laboratory | | | | |
| Light, ventilation & cleanliness | | | | |
| in the classroom and laboratories | | | | |
| Equipment and support in the lab | | | | |
| Drinking water quality | | | | |
| Washroom facilities & | | | | |
| cleanliness | | | | |
| Institute library | | | | |
| Institute hostel facilities | | | | |
| Playground | | | | |
| Canteen facilities | | | | |
| Internet facilities | | | | |

Shri G.S. Institute of Technology and Science, Indore DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGG. <u>Feedback from Parents</u>

SAMPLE

Kindly rate the following criteria on a scale of 1-3 as 3. Excellent 2. Good 1. Poor. Your genuine response will be helpful for the continuous quality improvement of our UG programme in Electronics & Instrumentation Engineering.

| S | Criteria | Rating on a scale |
|----|--|-------------------|
| No | | of 1-3 as |
| 1 | Opinion about UG programme in E&I at SGSITS | |
| 2 | Overall Rating for attainment of your PEOs & POs | |
| 3 | Yours Child's ability acquired to apply knowledge of Mathematics, Science and Engineering in real time | |
| 4 | Yours Child's Competence developed to analyze and interpret data and design complex electronic system or process specific needs | |
| 5 | Yours Child's skill gained to apply modern engineering tools and techniques for engineering practice | |
| 6 | Yours Child's responsibility level acquired to develop engineering solutions for sustainable development, ethically and economically | |
| 7 | Yours Child's ability to communicate effectively. | |
| 8 | Yours Child's leadership qualities and team spirit inculcated through various student development programmes | |
| 9 | Yours Child's zeal to engage in, to resolve contemporary issues and acquire lifelong learnig | |
| 10 | Overall benefits from SGSITS | |

Any suggestion/ Remarks:-

Name of the parents:-

Mobile No of parents:-

Name of the student:-

Year/ Class:-

Sign with Date

Shri G.S. Institute of Technology and Science, Indore DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGG. Feedback Form For External Examiner

SAMPLE

Session-

Name of External Examiner:

:

:

:

:

Specialization :

Contact No.

E-mail. ID

Present Organization

Designation

Department

I. Feedback about college and department (point no. to)

:

| 1. | Do you proud to be associated with SGSITS, Indore? | Yes | | No | |
|----|--|-----|--|----|--|
| 2. | Were the HOD's & Faculties Cooperative? | Yes | | No | |

II. Feedback about students (Point no. 1 to 4)

Name of Subject:

Year

| S. | Technical know- how of the students | | | | |
|----|--|---|---|---|---|
| No | | | | | |
| | | | | | |
| | | | | | |
| 1 | Industry Oriented Projects | Α | В | C | D |
| | | | | | |
| 2 | Practical Knowledge | A | В | C | D |
| | | | | | |
| 3 | Way of Presentation and Manner | А | В | C | D |
| | | | | | |
| 4 | Theoretical Knowledge related to subject | А | В | С | D |
| | | | | | |

Kindly select the appropriate option for the Department as per the following criteria

A- Excellent \square B- Very Good \square C- Good \square D- Average \square

Shri G.S. Institute of Technology and Science, Indore DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGG.

Feedback From External Examiner

SAMPLE

| Name:- | |
|--|--|
| Designation:- | |
| Email Id:- | |
| Organization/Institution Name:- | |
| Subject Name and Code (Only for external | |
| examiner) | |

Please indicate the relevance through observing the students of the Department. The following Program outcomes (PO1 TO PO12) and PEO1 to PEO5 mentioned below for the Programme of B. Tech in Electronics & Instrumentation Engineering at SGSITS on the scale 0 to 3

| POs | "0"-No | "1"- | "2" | "3"- |
|--|-----------|-------------------------------|------------------------------------|-----------------------------------|
| Please Tick() on the appropriate Box | Relevance | Slightly (Low) Relevant | Moderately (Medium) Relevant | Substantial (High) Relevant |
| PO 1: Engineering knowledge | | | | |
| PO2: Problem analysis | | | | |
| PO3: Design/development of solutions: | | | | |
| PO4: Conduct investigations of complex | | | | |
| problems: | | | | |
| PO5: Modern tool usage: | | | | |

| PO6: The engineer and society: | | |
|---------------------------------------|--|--|
| PO7: Environment and sustainability: | | |
| PO8: Ethics: | | |
| PO9: Individual and team work: | | |
| PO10: Communication: | | |
| PO11: Project management and finance: | | |
| PO12: Life-long learning: | | |

| | <u>.</u> | | | |
|---------------------------------------|-----------|-------------------------------|------------------------------------|-----------------------------------|
| PEOs | "0"-No | "1"- | "2" | "3"- |
| Please Tick() on the appropriate Box | Relevance | Slightly (Low) Relevant | Moderately (Medium) Relevant | Substantial (High) Relevant |
| PEO 1: PROFESSIONAL | | | | |
| DEVELOPMENT- | | | | |
| PEO2: CORE PROFICIENCY- | | | | |
| PEO3: TECHNICAL | | | | |
| ACCOMPISHMENTS- | | | | |
| PEO4: PROFESSIONALISM- | | | | |
| PEO5: LEARNING ENVIRONMENT- | | | | |
| | | | | |

Suggestion/ Comment

Signature:-

Place:-

Date:-