CRITERIA 1

CURRICULAR ASPECTS

1.4 Feedback System
FEEDBACK ANALYSIS REPORT
Feedbacks were taken from students on curriculum and the ambience of the institution. Around 1500 students took part in the feedback survey. More than 90% of the students were found to be contented with the ambience of the institution and the facilities provided by the institution. Department wise feedbacks were collected from students on curriculum. More than 95% of the students of each department took part in the survey. About 85% of the students were contented with the present curriculum. They were also asked to give their remarks/suggestions. The suggestions from the students on curriculum were collected and necessary actions were taken on addressing them.

FEEDBACK FROM FACULTY

Feedbacks were collected from faculty members on the curriculum given by the university. All the faculties took part in the feedback survey. About 90% of the faculties were happy with existing curriculum provided by the university. The suggestions given by faculties were collected and necessary actions were taken on addressing them.

FEEDBACK FROM ALUMNI

Feedbacks were collected from Alumni on curriculum and various aspects to be improved for future students. Around 850 Alumni took part in the survey. More than 80% of the Alumni were contented with the existing practices followed in the institution. The suggestions given by Alumni were collected and necessary actions were taken on addressing them.
FEEDBACK FROM EMPLOYER

Feedbacks were collected from Employers on the employability of the students from the institution and to understand the current requirements of the industry. More than 100 employers took part in the feedback survey. More than 80% of the employers were contented with the existing practices followed in the institution. The suggestions given by employers were collected and necessary actions were taken on addressing them.
CONSOLIDATED ACTION TAKEN REPORT
## ACTION TAKEN REPORT ON STAKE HOLDER’S FEEDBACK 2022-23

### Department of Automobile Engineering

<table>
<thead>
<tr>
<th>Stakeholders</th>
<th>Key observations of the feedback analysis</th>
<th>Action taken</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Students</strong></td>
<td>Student feedback recommended that they needed more time for using library facilities to provide more field visits related to the subjects</td>
<td>Taking these observations into account, students are given one hour weekly for library visits. Students are encouraged to take up internships. Students are taken for at least one field visit/industrial visit every year.</td>
</tr>
<tr>
<td><strong>Teachers</strong></td>
<td>Teachers suggested to include more reference books in the library and to provide time for student mentoring.</td>
<td>Keeping in view the observations, latest reference books are added in the library and separate timings are provided for student mentoring.</td>
</tr>
<tr>
<td><strong>Alumni</strong></td>
<td>Alumni recommended to encourage internships and field visits among students.</td>
<td>Based on these observations, Students are encouraged to take up internships. Students are taken for at least one field visit/industrial visit every year.</td>
</tr>
<tr>
<td><strong>Employers</strong></td>
<td>Employers are overall happy with curriculums ability to mould the student. They have suggested to improve leadership qualities and communication skills of the students.</td>
<td>Based on the observations the department has organized grooming sessions, orientation programmes to encourage leadership, communication skills etc.</td>
</tr>
</tbody>
</table>
# ACTION TAKEN REPORT ON STAKE HOLDER’S FEEDBACK 2022-23

## Department of Civil Engineering

<table>
<thead>
<tr>
<th>Stakeholders</th>
<th>Key observations of the feedback analysis</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Students</td>
<td>Student feedback recommended that they needed more training on latest software’s and field visits/industrial visits</td>
<td>Taking these observations into account, students are given classes on latest software’s in civil engineering field. Students are taken for at least one field visit/industrial visit every year.</td>
</tr>
<tr>
<td>Teachers</td>
<td>Teachers suggested to include more practical sessions for students and to make students more familiar with latest softwares in the field</td>
<td>Keeping in view the observations, students are provided with more practical sessions and software trainings.</td>
</tr>
<tr>
<td>Alumni</td>
<td>Alumni recommended to encourage knowledge of programming languages and field visits among students.</td>
<td>Based on these observations, Students are given classes on software languages Students are taken for at least one field visit/industrial visit every year.</td>
</tr>
<tr>
<td>Employers</td>
<td>Employers are overall happy with curriculums ability to mould the student. They have suggested to improve the communication skills and software knowledge of the students</td>
<td>Based on the observations the department has organized grooming sessions, orientation programmes to encourage leadership, communication skills etc.</td>
</tr>
</tbody>
</table>

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**SCMS SCHOOL OF ENGINEERING AND TECHNOLOGY**

Vidya Nagar, Palissery, Karukutty, Kerala 683576
### ACTION TAKEN REPORT ON STAKEHOLDER’S FEEDBACK 2022-23

**Department of Computer Science Engineering**

<table>
<thead>
<tr>
<th>Stakeholders</th>
<th>Key observations of the feedback analysis</th>
<th>Action taken</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Students</strong></td>
<td>Student feedback recommended that they need more add on courses and preparatory classes for GATE</td>
<td>Taking these observations into account, students are given more number of add on courses. They are provided with classes for GATE preparation.</td>
</tr>
<tr>
<td><strong>Teachers</strong></td>
<td>Teachers suggested to include mini projects for students and to provide students with GATE coaching</td>
<td>Keeping in view the observations, students are asked to take up mini projects and they are provided with GATE coaching classes.</td>
</tr>
<tr>
<td><strong>Alumni</strong></td>
<td>Alumni recommended to provide students with GATE/GRE classes.</td>
<td>Based on these observations, Students are given classes for GATE/GRE etc.</td>
</tr>
<tr>
<td><strong>Employers</strong></td>
<td>Employers are overall happy with curriculums ability to mould the student. They recommended students to develop more software developing skills</td>
<td>Based on the observations the department has organized more software development programs.</td>
</tr>
</tbody>
</table>
# ACTION TAKEN REPORT ON STAKEHOLDER’S FEEDBACK 2022-23

## Department of Electrical and Electronics Engineering

<table>
<thead>
<tr>
<th>Stakeholders</th>
<th>Key observations of the feedback analysis</th>
<th>Action taken</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Students</strong></td>
<td>Student feedback recommended that they needed more time to utilize library facilities. They needed more industrial visits.</td>
<td>Taking these observations into account, students are given time to use library facilities. They are taken for industrial visits once every year.</td>
</tr>
<tr>
<td><strong>Teachers</strong></td>
<td>Teachers suggested to conduct more add on courses and to provide time for student mentoring.</td>
<td>Keeping in view the observations, more add on courses are conducted and separate timings are provided for student mentoring.</td>
</tr>
<tr>
<td><strong>Alumni</strong></td>
<td>Alumni recommended to include more innovative technical programs for students. They also suggested to encourage students to undertake hardware projects.</td>
<td>Based on these observations, Students are given more technical programs and they are encouraged to undertake hardware projects.</td>
</tr>
<tr>
<td><strong>Employers</strong></td>
<td>Employers are overall happy with curriculums ability to mould the student. They have suggested to improve the communication skills and software knowledge of the students</td>
<td>Based on the observations the department has organized grooming sessions, orientation programmes to encourage leadership, communication skills etc.</td>
</tr>
</tbody>
</table>

---

**Principal Sign**

**SCMS SCHOOL OF ENGINEERING AND TECHNOLOGY**

Vidya Nagar, Palissery, Karukutty, Kerala 683576
ACTION TAKEN REPORT ON STAKE HOLDER’S FEEDBACK 2022-23

Department of Electronics and Communication Engineering

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<tr>
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</tr>
</thead>
<tbody>
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<td>Taking these observations into account, students are given more number of add on courses and they are taken for field visits once every year.</td>
</tr>
<tr>
<td>Teachers</td>
<td>Teachers suggested to include more reference books in the library and to provide field visits for students.</td>
<td>Keeping in view the observations, latest reference books are added in the library and field visits are arranged for students every year.</td>
</tr>
<tr>
<td>Alumni</td>
<td>Alumni recommended to encourage add on courses and internships among students.</td>
<td>Based on these observations, Students are encouraged to take up internships. Students are encouraged to enroll for add on courses.</td>
</tr>
<tr>
<td>Employers</td>
<td>Employers are overall happy with curriculums ability to mould the student. They have suggested to improve the communication skills and software knowledge of the students</td>
<td>Based on the observations the department has organized grooming sessions, orientation programmes to encourage leadership, communication skills etc.</td>
</tr>
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</table>
# ACTION TAKEN REPORT ON STAKE HOLDER’S FEEDBACK 2022-23

**Department of Mechanical Engineering**

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</thead>
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<td>Taking these observations into account, students are given classes on latest software’s in civil engineering field. Students are taken for at least one field visit/industrial visit every year.</td>
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<tr>
<td><strong>Teachers</strong></td>
<td>Teachers suggested to include more reference books in the library and to provide field visits for students</td>
<td>Keeping in view the observations, latest reference books are added in the library and field visits are arranged for students every year.</td>
</tr>
<tr>
<td><strong>Alumni</strong></td>
<td>Alumni recommended to encourage seminars, workshops internships and field visits among students.</td>
<td>Based on these observations, Students are encouraged to take up internships. Students are taken for at least one field visit/industrial visit every year. They are given seminars/workshops on latest topics of the stream.</td>
</tr>
<tr>
<td><strong>Employers</strong></td>
<td>Employers are overall happy with curriculums ability to mould the student. They have suggested to improve the communication skills and practical knowledge of the students.</td>
<td>Based on the observations the department has organized grooming sessions, orientation programmes to encourage leadership, communication skills etc.</td>
</tr>
</tbody>
</table>
1.4.2. Year wise Feedback Analysis Report
Feedback Analysis Report

2022-23
Questions
A1. Computer facilities in the institution
A2. Laboratory facilities in the institution
A3. Classroom facilities were conducive to learning
A4. Library facilities in the institution
A5. Internet facilities in the institution

<table>
<thead>
<tr>
<th></th>
<th>Strongly Agree</th>
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<th>Neutral</th>
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</table>
Structured feedback on curriculum was collected from the students on the following areas:

P1. Is the curriculum structured to meet the requirements of the students in the outside world?

P2. Do you find the syllabus updated to reflect latest advances in the respective field?

P3. Do the laboratory activities help in understanding the concepts of the subject?

P4. Does the program encourage you to pursue higher studies?

P5. Does the curriculum introduce the concepts of sustainability and ethics to the students?

P6. Do you find the electives suitable for developing a deeper understanding of the specialized field?

P7. Are the objectives of the courses clearly defined?

P8. Does the syllabus enable you to achieve the programs learning outcomes?

P9. Do you find internships/projects/field visits relevant in the curriculum?

P10. Do you find add on courses/value added courses relevant for a better understanding the course?

Scale provided

1-Strongly Disagree, 2- Disagree, 3- Neutral, 4-Agree, 5-Strongly Agree
Question wise analysis in percentage

Department of Civil Engineering

Academic Year: 2022-2023

<table>
<thead>
<tr>
<th></th>
<th>Strongly Agree</th>
<th>Agree</th>
<th>Neutral</th>
<th>Disagree</th>
<th>Strongly Disagree</th>
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</tbody>
</table>

Student Curriculum feedback

![Student Curriculum feedback chart](chart.png)

HOD

[Signature]

[Stamp: Karukutty, Ernakulam, 683 576]

[Stamp: SCMS School of Engineering & Technology, Vidyanagar, Pallisser, Karukutty, Ernakulam, Kerala-683 576]

[Signature]
Question wise analysis in percentage
Department of Automobile Engineering
Academic Year: 2022-2023

<table>
<thead>
<tr>
<th></th>
<th>Strongly Agree</th>
<th>Agree</th>
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</table>

Student Curriculum feedback

![Bar chart showing student curriculum feedback for questions P1 to P10. Each bar is divided into segments representing Strongly Agree, Agree, Neutral, Disagree, and Strongly Disagree.]
Question wise analysis in percentage
Department of Computer Science Engineering

Academic Year: 2022-2023

<table>
<thead>
<tr>
<th></th>
<th>Strongly Agree</th>
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Student curriculum feedback
Question wise analysis in percentage
Department of Electrical and Electronics Engineering
Academic Year: 2022-2023

<table>
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<tr>
<th></th>
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Student Curriculum Feedback

- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly Disagree
Question wise analysis in percentage

Department of Electronics and Communication Engineering

Academic Year: 2022-2023

<table>
<thead>
<tr>
<th></th>
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</table>

Student Curriculum Feedback

![Bar chart showing student feedback percentages for each question]
Question wise analysis in percentage

Department of Mechanical Engineering

Academic Year: 2022-2023

<table>
<thead>
<tr>
<th></th>
<th>Strongly Agree</th>
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<th>Neutral</th>
<th>Disagree</th>
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Student exit feedback analysis
Automobile Engineering
2022-2023

PO 1: Engineering knowledge
PO 2: Problem analysis
PO 3: Design/development of solutions
PO 4: Conduct investigations of complex problems
PO 5: Modern tool usage
PO 6: The engineer and society
PO 7: Environment and sustainability
PO 8: Ethics
PO 9: Individual and team work
PO 10: Communication
PO 11: Project management and finance
PO 12: Life-long learning

PROGRAM SPECIFIC OUTCOMES (PSOs)
PSO1 - Apply basic science and mathematical principles to design, develop or reengineer automobiles.
PSO2 - Design or develop subsystems required for building safe, efficient and green vehicles.
PSO3 - Applying knowledge of the function of various automobile components and systems for continuous and preventive service and maintenance.
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Student exit feedback analysis
Civil Engineering
2022-2023

PO 1: Engineering knowledge
PO 2: Problem analysis
PO 3: Design/development of solutions
PO 4: Conduct investigations of complex problems
PO 5: Modern tool usage
PO 6: The engineer and society
PO 7: Environment and sustainability
PO 8: Ethics
PO 9: Individual and team work
PO 10: Communication
PO 11: Project management and finance
PO 12: Life-long learning

PROGRAM SPECIFIC OUTCOMES (PSOs)
PSO1 - Graduates shall demonstrate good understanding of engineering fundamentals and demonstrate sound knowledge in analysis, design and laboratory investigations in various domains of Civil Engineering.

PSO2 - Graduates will exhibit a passion for continuous self-learning and/ or pursue higher studies and engineering research.

PSO3 - Graduates will possess ability to interact and function within multidisciplinary teams with competence in modern tool usage.
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**Program Exit Feedback**

Strongly Agree | Agree | Neutral | Disagree | Strongly Disagree

HOD

PRINCIPAL
Student exit feedback
Computer Science Engineering
2022-2023

PO 1: Engineering knowledge
PO 2: Problem analysis
PO 3: Design/development of solutions
PO 4: Conduct investigations of complex problems
PO 5: Modern tool usage
PO 6: The engineer and society
PO 7: Environment and sustainability
PO 8: Ethics
PO 9: Individual and team work
PO 10: Communication
PO 11: Project management and finance
PO 12: Life-long learning

PROGRAM SPECIFIC OUTCOMES (PSOs)
PSO1 - Apply knowledge of mathematics, science, engineering and computer science fundamentals to solve complex computational problems.
PSO2 - Use modern tools to analyze, design and develop software solutions in the areas pertaining to system software, database, networking, web and mobile applications, information security, data analytics and machine learning.
PSO3 - Employ modern computer languages, environments, and platforms to create innovative career paths, pursue higher studies and entrepreneurship.
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**Program Exit Feedback**

![Program Exit Feedback Graph](image-url)
Student exit feedback analysis
Electrical and Electronics Engineering
2022-2023

PO 1: Engineering knowledge
PO 2: Problem analysis
PO 3: Design/development of solutions
PO 4: Conduct investigations of complex problems
PO 5: Modern tool usage
PO 6: The engineer and society
PO 7: Environment and sustainability
PO 8: Ethics
PO 9: Individual and team work
PO 10: Communication
PO 11: Project management and finance
PO 12: Life-long learning

PROGRAM SPECIFIC OUTCOMES (PSOs)
PSO1 - To analyze and apply the knowledge of electrical fundamentals, circuit design, control engineering, field theory, power system and allied topics.
PSO2 - To understand technologies and gain the practical skills to design, simulate and analyse electrical system to engage in lifelong learning and successfully adapt in multi-disciplinary environment.
PSO3 - To design, develop and implement Electrical and inter disciplinary projects to meet industry demand and to provide solution to real time problems in current scenario.
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Program Exit Feedback

- **Strongly Agree**: Red
- **Agree**: Orange
- **Neutral**: Yellow
- **Disagree**: Green
- **Strongly Disagree**: Blue

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**HOD**

**PRINCIPAL**

KARUKUTTY ERNAKULAM 683 576

SCMS SCHOOL OF ENGINEERING & TECHNOLOGY
VIDYANAGAR, PALISSERY, KARUKUTTY
ERNAKULAM, KERALA-683 576
Student exit feedback analysis
Electronics and Communication Engineering
2022-2023

PO 1: Engineering knowledge
PO 2: Problem analysis
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PO 10: Communication
PO 11: Project management and finance
PO 12: Life-long learning

PROGRAM SPECIFIC OUTCOMES (PSOs)
PSO1 - Design and create novel systems in the field of Electronics and Communication to solve global issues.
PSO2 - Carry out research activities in Electronics and Communication Engineering using modern hardware and software tools specific to the field.
PSO3 - Analyze the working of electronic systems in industry and interpret results to arrive at valid conclusions.
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Program Exit Feedback

[Bar chart showing the program exit feedback]
Student exit feedback analysis
Mechanical Engineering
2022-2023

PO 1: Engineering knowledge
PO 2: Problem analysis
PO 3: Design/development of solutions
PO 4: Conduct investigations of complex problems
PO 5: Modern tool usage
PO 6: The engineer and society
PO 7: Environment and sustainability
PO 8: Ethics
PO 9: Individual and team work
PO 10: Communication
PO 11: Project management and finance
PO 12: Life-long learning

PROGRAM SPECIFIC OUTCOMES (PSOs)
PSO1 - Apply the knowledge of mathematics, physics, basics of other engineering disciplines, mechanics, thermal sciences, fluid mechanics and management principles for solving complex and diverse problems in the field of mechanical engineering.

PSO2 - Implement the principles of design, analysis and interpretation of data to the mechanical systems and processes.

PSO3 - Use modern tools such as CAD/CAM/ CIM/CFD, IT, IOT and 3D printing techniques in the mechanical engineering practice.
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1. Curriculum of the program is well designed and promotes learning experience of students
2. Course outcomes of the courses are well explained and clear to faculty and students
3. Courses reviewed are relevant to the current industry needs
4. The syllabus of the course reviewed has good balance between theory and application
5. Curriculum recommends relevant books and references in the field
6. Teaching the courses has increased my knowledge and expertise in the field
Faculty feedback (2015 regulation B.Tech)  
2022-2023

1. Curriculum of the program is well designed and promotes learning experience of students
2. Course outcomes of the courses are well explained and clear to faculty and students
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5. Curriculum recommends relevant books and references in the field
6. Teaching the courses has increased my knowledge and expertise in the field

Faculty Feedback on Curriculum

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0% 20% 40% 60% 80% 100%

Principal
P1. Apply engineering knowledge in professional engineering practice

P2. The confidence to conduct investigations of complex problems.

P3. The caliber to use Modern tools pertaining to the field of Engineering

P4. The expertise and willingness to apply the knowledge in engineering for the betterment of society.

P5. The preparedness to protect the environment and follow the concept of sustainability.

P6. Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

P7. Deliver the best results in both Individual as well as team work.

P8. Proficiency in both verbal and written Communication.

P9. Flair to handle projects and task with know-how of Project management and finance.

P10. Awareness of the importance of Life-long learning.
COMPUTER SCIENCE ENGINEERING
2022-2023

Alumni Feedback - Computer Science Engineering

ELECTRICAL AND ELECTRONICS ENGINEERING
2022-2023

Alumni Feedback - Electrical and Electronics Engineering
ELECTRONICS AND COMMUNICATION ENGINEERING
2022-2023

MECHANICAL ENGINEERING
2022-2023

Alumni Feedback - Electronics and Communication Engineering

Alumni Feedback - Mechanical Engineering
Questions
A1. Performance of our graduates
A2. Inclination to adopt new technology
A3. Independent thinking and problem-solving ability
A4. Communication skills
A5. Leadership skills
A6. Professional Attitude
A7. Ethics
A8. Inclination to identify problems in society
EMPLOYER FEEDBACK ANALYSIS REPORT
ACADEMIC YEAR: 2022-2023

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### Employer Feedback Analysis

![Bar Chart](chart.png)
FEEDBACK FROM ALUMNI ON CURRICULUM

2022-2023

Employer feedback on curriculum was collected from employers on the following areas

P1. Rate your opinion on the relevancy/ sufficiency of the courses meeting the industry requirements?

P2. Rate whether the experiences gained through projects/ internships/ certifications facilitated more employability skills/ communication skills/ confidence in you.

P3. How effective is the Curriculum in developing analytical and problem-solving skills

P4. Does the curriculum include value added courses/ soft skill training/ domain specific electives for enhancing constructive learning.

P5. Rate the scope of the syllabus in enhancing entrepreneurship skills/ lifelong learning/ human values and ethics

P6. Rate the scope of the curriculum in developing the following attributes - creativity, leadership, innovation, self motivation, workplace ethics, social responsibility

P7. The curriculum facilitates in acquiring the learning outcomes of the programme of study.

P8. Is the curriculum facilitating enhancement of practical competencies as needed by the industry?

P9. Your opinion on the various platforms and opportunities facilitated by the Institution to achieve your goals.

P10. Rate your participation in the various academic initiatives of the Institution

Scale provided
1-Strongly Disagree, 2- Disagree, 3- Neutral, 4-Agree, 5-Strongly Agree
<table>
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Alumni - Curriculum Feedback

- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly Disagree
FEEDBACK FROM EMPLOYERS ON CURRICULUM

2022-2023

Employer feedback on curriculum was collected from employers on the following areas

P1. Rate your opinion on the relevancy/ sufficiency of the courses meeting the industry requirements?

P2. Rate the applicability of the tools/activities/case studies presented in the curriculum facilitating more employability skills among graduates

P3. How effective is the Curriculum in developing analytical and problem-solving skills?

P4. Does the curriculum include value added courses/ soft skill training/ domain specific electives for enhancing constructive learning?

P5. Rate the scope of the syllabus in enhancing entrepreneurship skills/ lifelong learning/ human values and ethics


P7. Does the curriculum effectively cover topics on fundamentals and latest technology?

P8. The academic initiatives of the institution contribute towards achieving the Mission and Vision of the institution

P9. Rate the proficiency of our graduates to adapt to industry requirements

P10. The curriculum facilitates an overall holistic development of the student?

Scale provided

1-Strongly Disagree, 2- Disagree, 3- Neutral, 4-Agree, 5-Strongly Agree
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Employer Feedback on Curriculum

The table above shows the distribution of feedback categories from employers. The categories are Strongly Agree, Agree, Neutral, Disagree, and Strongly Disagree. The chart below visually represents this data, with each bar segment indicating the number of feedback in each category for each employer.
Feedback Analysis Report

2021-22
STUDENT FEEDBACK ANALYSIS REPORT ON AMBIENCE OF THE INSTITUTION

2021-2022

Questions

A1. Computer facilities in the institution
A2. Laboratory facilities in the institution
A3. Classroom facilities were conducive to learning
A4. Library facilities in the institution
A5. Internet facilities in the institution

<table>
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Student feedback on ambience

- 100%
- 90%
- 80%
- 70%
- 60%
- 50%
- 40%

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</table>

- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly Disagree
FEEDBACK FROM STUDENTS ON CURRICULUM

Analysis of feedbacks from students

Structured feedback on curriculum was collected from the students on the following areas:

P1. Is the curriculum structured to meet the requirements of the students in the outside world?
P2. Do you find the syllabus updated to reflect latest advances in the respective field?
P3. Do the laboratory activities help in understanding the concepts of the subject?
P4. Does the program encourage you to pursue higher studies?
P5. Does the curriculum introduce the concepts of sustainability and ethics to the students?
P6. Do you find the electives suitable for developing a deeper understanding of the specialized field?
P7. Are the objectives of the courses clearly defined?
P8. Does the syllabus enable you to achieve the programs learning outcomes?
P9. Do you find internships/projects/field visits relevant in the curriculum?
P10. Do you find add on courses/value added courses relevant for a better understanding the course?

Scale provided

1-Strongly Disagree, 2- Disagree, 3- Neutral, 4-Agree, 5-Strongly Agree
Question wise analysis in percentage Department of Civil Engineering Academic Year: 2021-2022

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Student Curriculum feedback

![Graph showing student curriculum feedback](image-url)
Question wise analysis in percentage

Department of Automobile Engineering

Academic Year: 2021-2022

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Student Curriculum feedback

![Bar chart showing student curriculum feedback](image-url)
### Question wise analysis in percentage

**Department of Computer Science Engineering**

**Academic Year: 2021-2022**

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### Student Curriculum feedback

![Bar chart showing student curriculum feedback](chart.png)

- **Strongly Agree**
- **Agree**
- **Neutral**
- **Disagree**
- **Strongly Disagree**
Question wise analysis in percentage
Department of Electrical and Electronics Engineering

Academic Year: 2021-2022

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Student Curriculum feedback

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Question wise analysis in percentage

Department of Electronics and Communication Engineering

Academic Year: 2021-2022

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Student Curriculum feedback

- Strongly Agree
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Question wise analysis in percentage

Department of Mechanical Engineering

Academic Year: 2021-2022

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Student exit feedback analysis

Automobile Engineering

2021-2022

PO 1: Engineering knowledge
PO 2: Problem analysis
PO 3: Design/development of solutions
PO 4: Conduct investigations of complex problems
PO 5: Modern tool usage
PO 6: The engineer and society
PO 7: Environment and sustainability
PO 8: Ethics
PO 9: Individual and team work
PO 10: Communication
PO 11: Project management and finance
PO 12: Life-long learning

PROGRAM SPECIFIC OUTCOMES (PSOs)
PSO1 - Apply basic science and mathematical principles to design, develop or reengineer automobiles.
PSO2 - Design or develop subsystems required for building safe, efficient and green vehicles.
PSO3 - Applying knowledge of the function of various automobile components and systems for continuous and preventive service and maintenance.
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Program Exit Feedback

![Program Exit Feedback Chart]

Legend:
- Blue: Strongly Agree
- Orange: Agree
- Gray: Neutral
- Yellow: Disagree
- Green: Strongly Disagree
PO 1: Engineering knowledge
PO 2: Problem analysis
PO 3: Design/development of solutions
PO 4: Conduct investigations of complex problems
PO 5: Modern tool usage
PO 6: The engineer and society
PO 7: Environment and sustainability
PO 8: Ethics
PO 9: Individual and team work
PO 10: Communication
PO 11: Project management and finance
PO 12: Life-long learning

PROGRAM SPECIFIC OUTCOMES (PSOs)
PSO1 - Graduates shall demonstrate good understanding of engineering fundamentals and demonstrate sound knowledge in analysis, design and laboratory investigations in various domains of Civil Engineering.
PSO2 - Graduates will exhibit a passion for continuous self-learning and/or pursue higher studies and engineering research.
PSO3 - Graduates will possess ability to interact and function within multidisciplinary teams with competence in modern tool usage.
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**Program Exit Feedback**

![Program Exit Feedback Chart]

- **Strongly Agree**
- **Agree**
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PO 1: Engineering knowledge
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PROGRAM SPECIFIC OUTCOMES (PSOs)
PSO1 - Apply knowledge of mathematics, science, engineering and computer science fundamentals to solve complex computational problems.
PSO2 - Use modern tools to analyze, design and develop software solutions in the areas pertaining to system software, database, networking, web and mobile applications, information security, data analytics and machine learning.
PSO3 - Employ modern computer languages, environments, and platforms to create innovative career paths, pursue higher studies and entrepreneurship.
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Student exit feedback analysis Electrical and Electronics Engineering 2021-2022

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PROGRAM SPECIFIC OUTCOMES (PSOs)
PSO1 - To analyze and apply the knowledge of electrical fundamentals, circuit design, control engineering, field theory, power system and allied topics.

PSO2 - To understand technologies and gain the practical skills to design, simulate and analyse electrical system to engage in lifelong learning and successfully adapt in multi-disciplinary environment.

PSO3 - To design, develop and implement Electrical and inter disciplinary projects to meet industry demand and to provide solution to real time problems in current scenario.
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**Program Exit Feedback**

![Program Exit Feedback Bar Chart](chart.png)

- **Strongly Agree**
- **Agree**
- **Neutral**
- **Disagree**
- **Strongly Disagree**
Student exit feedback analysis

Electronics and Communication Engineering

2021-2022

PO 1: Engineering knowledge
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PO 12: Life-long learning

PROGRAM SPECIFIC OUTCOMES (PSOs)
PSO1 - Design and create novel systems in the field of Electronics and Communication to solve global issues.

PSO2 - Carry out research activities in Electronics and Communication Engineering using modern hardware and software tools specific to the field.

PSO3 - Analyze the working of electronic systems in industry and interpret results to arrive at valid conclusions.
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**Program Exit Feedback**

![Bar chart showing program exit feedback ratings](chart.png)

- **Strongly Agree**: Light blue
- **Agree**: Orange
- **Neutral**: Yellow
- **Disagree**: Red
- **Strongly Disagree**: Grey
Student exit feedback analysis

Mechanical Engineering

2021-2022

PO 1: Engineering knowledge
PO 2: Problem analysis
PO 3: Design/development of solutions
PO 4: Conduct investigations of complex problems
PO 5: Modern tool usage
PO 6: The engineer and society
PO 7: Environment and sustainability
PO 8: Ethics
PO 9: Individual and team work
PO 10: Communication
PO 11: Project management and finance
PO 12: Life-long learning

PROGRAM SPECIFIC OUTCOMES (PSOs)
PSO1 - Apply the knowledge of mathematics, physics, basics of other engineering disciplines, mechanics, thermal sciences, fluid mechanics and management principles for solving complex and diverse problems in the field of mechanical engineering.

PSO2 - Implement the principles of design, analysis and interpretation of data to the mechanical systems and processes.

PSO3 - Use modern tools such as CAD/CAM/ CIM/CFD, IT, IOT and 3D printing techniques in the mechanical engineering practice.
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Program Exit Feedback

- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly Disagree

Principal

SCMS SCHOOL OF ENGINEERING & TECHNOLOGY
VIDYANAGAR, PALLISSERY, KARUKUTTY
ERNAKULAM, KERALA-683576
Faculty feedback (2019 regulation B.Tech)

2021-2022

1. Curriculum of the program is well designed and promotes learning experience of students
2. Course outcomes of the courses are well explained and clear to faculty and students
3. Courses reviewed are relevant to the current industry needs
4. The syllabus of the course reviewed has good balance between theory and application
5. Curriculum recommends relevant books and references in the field
6. Teaching the courses has increased my knowledge and expertise in the field
Faculty feedback (2015 regulation B.Tech)  
2021-2022

1. Curriculum of the program is well designed and promotes learning experience of students
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6. Teaching the courses has increased my knowledge and expertise in the field
ALUMNI FEEDBACK ANALYSIS

2021-2022

P1. Apply engineering knowledge in professional engineering practice

P2. The confidence to conduct investigations of complex problems.

P3. The caliber to use Modern tools pertaining to the field of Engineering

P4. The expertise and willingness to apply the knowledge in engineering for the betterment of society.

P5. The preparedness to protect the environment and follow the concept of sustainability.

P6. Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

P7. Deliver the best results in both Individual as well as team work.

P8. Proficiency in both verbal and written Communication.

P9. Flair to handle projects and task with know-how of Project management and finance.

P10. Awareness of the importance of Life-long learning.
COMPUTER SCIENCE ENGINEERING

2021-2022

Alumni Feedback - Computer Science Engineering

- Excellent
- Very Good
- Good
- Average
- #REF!

ELECTRICAL AND ELECTRONICS ENGINEERING

2021-2022

Alumni Feedback - Electrical & Electronics Engineering

- Excellent
- Very Good
- Good
- Average
- #REF!
ELECTRONICS AND COMMUNICATION ENGINEERING

2021-2022

Alumni Feedback - Electronics & Communication Engineering

MECHANICAL ENGINEERING

2021-2022

Alumni Feedback - Mechanical Engineering
Questions
A1. Performance of our graduates
A2. Inclination to adopt new technology
A3. Independent thinking and problem-solving ability
A4. Communication skills
A5. Leadership skills
A6. Professional Attitude
A7. Ethics
A8. Inclination to identify problems in society
EMPLOYER FEEDBACK ANALYSIS REPORT

ACADEMIC YEAR: 2021-2022

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</table>
Employer feedback on curriculum was collected from employers on the following areas

P1. Rate your opinion on the relevancy/sufficiency of the courses meeting the industry requirements?

P2. Rate the applicability of the tools/activities/case studies presented in the curriculum facilitating more employability skills among graduates

P3. How effective is the Curriculum in developing analytical and problem-solving skills?

P4. Does the curriculum include value added courses/soft skill training/domain specific electives for enhancing constructive learning?

P5. Rate the scope of the syllabus in enhancing entrepreneurship skills/lifelong learning/human values and ethics


P7. Does the curriculum effectively cover topics on fundamentals and latest technology?

P8. The academic initiatives of the institution contribute towards achieving the Mission and Vision of the institution

P9. Rate the proficiency of our graduates to adapt to industry requirements

P10. The curriculum facilitates an overall holistic development of the student?

Scale provided
1-Strongly Disagree, 2- Disagree, 3- Neutral, 4-Agree, 5-Strongly Agree
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FEEDBACK FROM ALUMNI ON CURRICULUM
2021-2022

Employer feedback on curriculum was collected from employers on the following areas

P1. Rate your opinion on the relevancy/ sufficiency of the courses meeting the industry requirements?

P2. Rate whether the experiences gained through projects/ internships/ certifications facilitated more employability skills/ communication skills/ confidence in you.

P3. How effective is the Curriculum in developing analytical and problem-solving skills

P4. Does the curriculum include value added courses/ soft skill training/ domain specific electives for enhancing constructive learning.

P5. Rate the scope of the syllabus in enhancing entrepreneurship skills/ lifelong learning/ human values and ethics

P6. Rate the scope of the curriculum in developing the following attributes - creativity, leadership, innovation, self motivation, workplace ethics, social responsibility

P7. The curriculum facilitates in acquiring the learning outcomes of the programme of study.

P8. Is the curriculum facilitating enhancement of practical competencies as needed by the industry?

P9. Your opinion on the various platforms and opportunities facilitated by the Institution to achieve your goals.

P10. Rate your participation in the various academic initiatives of the Institution

Scale provided
1-Strongly Disagree, 2- Disagree, 3- Neutral, 4-Agree, 5-Strongly Agree
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**Alumni Curriculum Feedback**

![Alumni Curriculum Feedback Chart]
Feedback Analysis Report

2020-21
STUDENT FEEDBACK ANALYSIS REPORT ON AMBIENCE OF THE INSTITUTION

2020-2021

Questions

A1. Computer facilities in the institution
A2. Laboratory facilities in the institution
A3. Classroom facilities were conducive to learning
A4. Library facilities in the institution
A5. Internet facilities in the institution

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Student feedback on ambience
Structured feedback on curriculum was collected from the students on the following areas:

P1. Is the curriculum structured to meet the requirements of the students in the outside world?
P2. Do you find the syllabus updated to reflect latest advances in the respective field?
P3. Do the laboratory activities help in understanding the concepts of the subject?
P4. Does the program encourage you to pursue higher studies?
P5. Does the curriculum introduce the concepts of sustainability and ethics to the students?
P6. Do you find the electives suitable for developing a deeper understanding of the specialized field?
P7. Are the objectives of the courses clearly defined?
P8. Does the syllabus enable you to achieve the programs learning outcomes?
P9. Do you find internships/projects/field visits relevant in the curriculum?
P10. Do you find add on courses/value added courses relevant for a better understanding of the course?

**Scale provided**

1-Strongly Disagree, 2- Disagree, 3- Neutral, 4-Agree, 5-Strongly Agree
Question wise analysis in percentage

Department of Civil Engineering

Academic Year: 2020-2021

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Question wise analysis in percentage

Department of Automobile Engineering

Academic Year: 2020-2021

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Question wise analysis in percentage

Department of Computer Science Engineering

Academic Year: 2020-2021

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Student Curriculum Feedback
Question wise analysis in percentage

Department of Electrical and Electronics Engineering

Academic Year: 2020-2021

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Student Curriculum Feedback

[Chart showing student curriculum feedback with bars for each question representing the number of responses in each category.]
Question wise analysis in percentage Department of Electronics and Communication Engineering

Academic Year: 2020-2021

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Student Curriculum Feedback
Question wise analysis in percentage

Department of Mechanical Engineering

Academic Year: 2020-2021

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Student Curriculum Feedback
Student exit feedback analysis

Automobile Engineering

2020-2021

PO 1: Engineering knowledge
PO 2: Problem analysis
PO 3: Design/development of solutions
PO 4: Conduct investigations of complex problems
PO 5: Modern tool usage
PO 6: The engineer and society
PO 7: Environment and sustainability
PO 8: Ethics
PO 9: Individual and team work
PO 10: Communication
PO 11: Project management and finance
PO 12: Life-long learning

PROGRAM SPECIFIC OUTCOMES (PSOs)
PSO1 - Apply basic science and mathematical principles to design, develop or reengineer automobiles.
PSO2 - Design or develop subsystems required for building safe, efficient and green vehicles.
PSO3 - Applying knowledge of the function of various automobile components and systems for continuous and preventive service and maintenance.
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Student exit feedback analysis

Civil Engineering

2020-2021

PO 1: Engineering knowledge
PO 2: Problem analysis
PO 3: Design/development of solutions
PO 4: Conduct investigations of complex problems
PO 5: Modern tool usage
PO 6: The engineer and society
PO 7: Environment and sustainability
PO 8: Ethics
PO 9: Individual and team work
PO 10: Communication
PO 11: Project management and finance
PO 12: Life-long learning

PROGRAM SPECIFIC OUTCOMES (PSOs)
PSO1 - Graduates shall demonstrate good understanding of engineering fundamentals and demonstrate sound knowledge in analysis, design and laboratory investigations in various domains of Civil Engineering.

PSO2 - Graduates will exhibit a passion for continuous self-learning and/or pursue higher studies and engineering research.

PSO3 - Graduates will possess ability to interact and function within multidisciplinary teams with competence in modern tool usage.
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**Program Exit Feedback**

![Program Exit Feedback Diagram](image-url)
Student exit feedback

Computer Science Engineering

2020-2021

PO 1: Engineering knowledge
PO 2: Problem analysis
PO 3: Design/development of solutions
PO 4: Conduct investigations of complex problems
PO 5: Modern tool usage
PO 6: The engineer and society
PO 7: Environment and sustainability
PO 8: Ethics
PO 9: Individual and team work
PO 10: Communication
PO 11: Project management and finance
PO 12: Life-long learning

PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO1 - Apply knowledge of mathematics, science, engineering and computer science fundamentals to solve complex computational problems.

PSO2 - Use modern tools to analyze, design and develop software solutions in the areas pertaining to system software, database, networking, web and mobile applications, information security, data analytics and machine learning.

PSO3 - Employ modern computer languages, environments, and platforms to create innovative career paths, pursue higher studies and entrepreneurship.
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**Program Exit Feedback**

![Program Exit Feedback Chart]

- **Strongly Agree**
- **Agree**
- **Neutral**
- **Disagree**
- **Strongly Disagree**

**Principal's Signature**

**SCMS SCHOOL OF ENGINEERING & TECHNOLOGY**

VIDYANAGAR, PALISSERY, KARUKUTTY

ERNAKULAM, KERALA-683576
Student exit feedback analysis

Electrical and Electronics Engineering

2020-2021

PO 1: Engineering knowledge
PO 2: Problem analysis
PO 3: Design/development of solutions
PO 4: Conduct investigations of complex problems
PO 5: Modern tool usage
PO 6: The engineer and society
PO 7: Environment and sustainability
PO 8: Ethics
PO 9: Individual and team work
PO 10: Communication
PO 11: Project management and finance
PO 12: Life-long learning

PROGRAM SPECIFIC OUTCOMES (PSOs)
PSO1 - To analyze and apply the knowledge of electrical fundamentals, circuit design, control engineering, field theory, power system and allied topics.
PSO2 - To understand technologies and gain the practical skills to design, simulate and analyse electrical system to engage in lifelong learning and successfully adapt in multi-disciplinary environment.
PSO3 - To design, develop and implement Electrical and inter disciplinary projects to meet industry demand and to provide solution to real time problems in current scenario.
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</table>

**Program Exit Feedback**

![Program Exit Feedback Chart]

- **Strongly Agree**
- **Agree**
- **Neutral**
- **Disagree**
- **Strongly Disagree**

Signed:

**Principal**

**KARUKUTTY ERNKULAM 683 576**

**SCMS SCHOOL OF ENGINEERING & TECHNOLOGY**

**VIDYANAGAR, PALISSERY, KARUKUTTY ERNKULAM, KERALA-683576**
Student exit feedback analysis

Electronics and Communication Engineering

2020-2021

PO 1: Engineering knowledge
PO 2: Problem analysis
PO 3: Design/development of solutions
PO 4: Conduct investigations of complex problems
PO 5: Modern tool usage
PO 6: The engineer and society
PO 7: Environment and sustainability
PO 8: Ethics
PO 9: Individual and team work
PO 10: Communication
PO 11: Project management and finance
PO 12: Life-long learning

PROGRAM SPECIFIC OUTCOMES (PSOs)
PSO1 - Design and create novel systems in the field of Electronics and Communication to solve global issues.
PSO2 - Carry out research activities in Electronics and Communication Engineering using modern hardware and software tools specific to the field.
PSO3 - Analyze the working of electronic systems in industry and interpret results to arrive at valid conclusions.
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Student exit feedback analysis

Mechanical Engineering

2020-2021

PO 1: Engineering knowledge
PO 2: Problem analysis
PO 3: Design/development of solutions
PO 4: Conduct investigations of complex problems
PO 5: Modern tool usage
PO 6: The engineer and society
PO 7: Environment and sustainability
PO 8: Ethics
PO 9: Individual and team work
PO 10: Communication
PO 11: Project management and finance
PO 12: Life-long learning

PROGRAM SPECIFIC OUTCOMES (PSOs)
PSO1 - Apply the knowledge of mathematics, physics, basics of other engineering disciplines, mechanics, thermal sciences, fluid mechanics and management principles for solving complex and diverse problems in the field of mechanical engineering.

PSO2 - Implement the principles of design, analysis and interpretation of data to the mechanical systems and processes.

PSO3 - Use modern tools such as CAD/CAM/ CIM/CFD, IT, IOT and 3D printing techniques in the mechanical engineering practice.
### Program Exit Feedback

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**Legend:**
- **Strongly Agree**
- **Agree**
- **Neutral**
- **Disagree**
- **Strongly Disagree**
Faculty feedback (2019 regulation B.Tech)  
2020-2021

1. Curriculum of the program is well designed and promotes learning experience of students
2. Course outcomes of the courses are well explained and clear to faculty and students
3. Courses reviewed are relevant to the current industry needs
4. The syllabus of the course reviewed has good balance between theory and application
5. Curriculum recommends relevant books and references in the field
6. Teaching the courses has increased my knowledge and expertise in the field
Faculty feedback (2015 regulation B.Tech)

2020-2021

1. Curriculum of the program is well designed and promotes learning experience of students
2. Course outcomes of the courses are well explained and clear to faculty and students
3. Courses reviewed are relevant to the current industry needs
4. The syllabus of the course reviewed has good balance between theory and application
5. Curriculum recommends relevant books and references in the field
6. Teaching the courses has increased my knowledge and expertise in the field
ALUMNI FEEDBACK ANALYSIS 

2020-2021

P1. Apply engineering knowledge in professional engineering practice
P2. The confidence to conduct investigations of complex problems.
P3. The caliber to use Modern tools pertaining to the field of Engineering
P4. The expertise and willingness to apply the knowledge in engineering for the betterment of society.
P5. The preparedness to protect the environment and follow the concept of sustainability.
P6. Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
P7. Deliver the best results in both Individual as well as team work.
P8. Proficiency in both verbal and written Communication.
P9. Flair to handle projects and task with know-how of Project management and finance.
P10. Awareness of the importance of Life-long learning.
AUTOMOBILE ENGINEERING

2020-2021

CIVIL ENGINEERING

2020-2021

Alumni feedback- Automobile Engineering

Alumni feedback- Civil Engineering
COMPUTER SCIENCE ENGINEERING
2020-2021

ELECTRICAL AND ELECTRONICS ENGINEERING
2020-2021
Questions
A1. Performance of our graduates
A2. Inclination to adopt new technology
A3. Independent thinking and problem-solving ability
A4. Communication skills
A5. Leadership skills
A6. Professional Attitude
A7. Ethics
A8. Inclination to identify problems in society
EMPLOYER FEEDBACK ANALYSIS REPORT

ACADEMIC YEAR: 2020-2021

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Employer Feedback Analysis

[Bar chart showing feedback distribution]
FEEDBACK FROM EMPLOYERS ON CURRICULUM
2020-2021

Employer feedback on curriculum was collected from employers on the following areas

P1. Rate your opinion on the relevancy/ sufficiency of the courses meeting the industry requirements?
P2. Rate the applicability of the tools/activities/case studies presented in the curriculum facilitating more employability skills among graduates
P3. How effective is the Curriculum in developing analytical and problem-solving skills?
P4. Does the curriculum include value added courses/ soft skill training/ domain specific electives for enhancing constructive learning?
P5. Rate the scope of the syllabus in enhancing entrepreneurship skills/ lifelong learning/ human values and ethics
P7. Does the curriculum effectively cover topics on fundamentals and latest technology?
P8. The academic initiatives of the institution contribute towards achieving the Mission and Vision of the institution
P9. Rate the proficiency of our graduates to adapt to industry requirements
P10. The curriculum facilitates an overall holistic development of the student?

Scale provided
1-Strongly Disagree, 2- Disagree, 3- Neutral, 4-Agree, 5-Strongly Agree
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Employer feedback on Curriculum

![Bar chart showing employer feedback on curriculum]
FEEDBACK FROM ALUMNI ON CURRICULUM
2020-2021

Employer feedback on curriculum was collected from employers on the following areas

P1. Rate your opinion on the relevancy/ sufficiency of the courses meeting the industry requirements?

P2. Rate whether the experiences gained through projects/ internships/ certifications facilitated more employability skills/ communication skills/ confidence in you.

P3. How effective is the Curriculum in developing analytical and problem-solving skills

P4. Does the curriculum include value added courses/ soft skill training/ domain specific electives for enhancing constructive learning.

P5 Rate the scope of the syllabus in enhancing entrepreneurship skills/ lifelong learning/ human values and ethics

P6. Rate the scope of the curriculum in developing the following attributes - creativity, leadership, innovation, self motivation, workplace ethics, social responsibility

P7. The curriculum facilitates in acquiring the learning outcomes of the programme of study.

P8. Is the curriculum facilitating enhancement of practical competencies as needed by the industry?

P9. Your opinion on the various platforms and opportunities facilitated by the Institution to achieve your goals.

P10. Rate your participation in the various academic initiatives of the Institution

Scale provided
1-Strongly Disagree, 2- Disagree, 3- Neutral, 4-Agree, 5-Strongly Agree
### Alumni Curriculum Feedback

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![Graph showing alumni curriculum feedback](image)
Feedback Analysis Report

2019-20
Questions

A1. Computer facilities in the institution
A2. Laboratory facilities in the institution
A3. Classroom facilities were conducive to learning
A4. Library facilities in the institution
A5. Internet facilities in the institution

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Student Feedback on Ambience

- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly Disagree
Structured feedback on curriculum was collected from the students on the following areas:
P1. Is the curriculum structured to meet the requirements of the students in the outside world?
P2. Do you find the syllabus updated to reflect latest advances in the respective field?
P3. Do the laboratory activities help in understanding the concepts of the subject?
P4. Does the program encourage you to pursue higher studies?
P5. Does the curriculum introduce the concepts of sustainability and ethics to the students?
P6. Do you find the electives suitable for developing a deeper understanding of the specialized field?
P7. Are the objectives of the courses clearly defined?
P8. Does the syllabus enable you to achieve the programs learning outcomes?
P9. Do you find internships/projects/field visits relevant in the curriculum?
P10. Do you find add on courses/value added courses relevant for a better understanding the course?

Scale provided
1-Strongly Disagree, 2- Disagree, 3- Neutral, 4-Agree, 5-Strongly Agree
**Question wise analysis in percentage**

**Department of Civil Engineering**

**Academic Year: 2019-2020**

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**Student Curriculum Feedback**

[Bar chart showing the percentage distribution for questions P1 to P10]
Question wise analysis in percentage
Department of Automobile Engineering
Academic Year: 2019-2020

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Question wise analysis in percentage Department of Computer Science Engineering Academic Year: 2019-2020

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**Student curriculum feedback**

![Bar chart showing student curriculum feedback](chart.png)

Legend:
- Strongly Agree
- Agree
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- Disagree
- Strongly Disagree

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[Signature]

PRINCIPAL

SCMS SCHOOL OF ENGINEERING & TECHNOLOGY
VIDYANAGAR, PALISSERY, KARUKUTTY
ERNAKULAM, KERALA-683576
Question wise analysis in percentage

Department of Electrical and Electronics Engineering

Academic Year: 2019-2020

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Question wise analysis in percentage

Department of Electronics and Communication Engineering

Academic Year: 2019-2020

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Student curriculum feedback
Question wise analysis in percentage

Department of Mechanical Engineering

Academic Year: 2019-2020

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Student curriculum feedback

![Bar chart showing student curriculum feedback]

Legend:
- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly Disagree
Student exit feedback analysis

Automobile Engineering

2019-2020

PO 1: Engineering knowledge
PO 2: Problem analysis
PO 3: Design/development of solutions
PO 4: Conduct investigations of complex problems
PO 5: Modern tool usage
PO 6: The engineer and society
PO 7: Environment and sustainability
PO 8: Ethics
PO 9: Individual and team work
PO 10: Communication
PO 11: Project management and finance
PO 12: Life-long learning

PROGRAM SPECIFIC OUTCOMES (PSOs)
PSO1 - Apply basic science and mathematical principles to design, develop or reengineer automobiles.
PSO2 - Design or develop subsystems required for building safe, efficient and green vehicles.
PSO3 - Applying knowledge of the function of various automobile components and systems for continuous and preventive service and maintenance.
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Program Exit Feedback

Strongly Agree: 85%
Agree: 5%
Neutral: 5%
Disagree: 0%
Strongly Disagree: 5%

KARUKUTTY
ERNAKULAM
683 576

Principal

SCMS SCHOOL OF ENGINEERING & TECHNOLOGY
VIDYANAGAR, PALISSERY, KARUKUTTY
ERNAKULAM, KERALA-683576
Student exit feedback analysis
Civil Engineering
2019-2020

PO 1: Engineering knowledge
PO 2: Problem analysis
PO 3: Design/development of solutions
PO 4: Conduct investigations of complex problems
PO 5: Modern tool usage
PO 6: The engineer and society
PO 7: Environment and sustainability
PO 8: Ethics
PO 9: Individual and team work
PO 10: Communication
PO 11: Project management and finance
PO 12: Life-long learning

PROGRAM SPECIFIC OUTCOMES (PSOs)
PSO1 - Graduates shall demonstrate good understanding of engineering fundamentals and demonstrate sound knowledge in analysis, design and laboratory investigations in various domains of Civil Engineering.
PSO2 - Graduates will exhibit a passion for continuous self-learning and/or pursue higher studies and engineering research.
PSO3 - Graduates will possess ability to interact and function within multidisciplinary teams with competence in modern tool usage.
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Program Exit Feedback

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- Strongly Disagree

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PO 7: Environment and sustainability
PO 8: Ethics
PO 9: Individual and team work
PO 10: Communication
PO 11: Project management and finance
PO 12: Life-long learning

PROGRAM SPECIFIC OUTCOMES (PSOs)
PSO1 - Apply knowledge of mathematics, science, engineering and computer science fundamentals to solve complex computational problems.

PSO2 - Use modern tools to analyze, design and develop software solutions in the areas pertaining to system software, database, networking, web and mobile applications, information security, data analytics and machine learning.

PSO3 - Employ modern computer languages, environments, and platforms to create innovative career paths, pursue higher studies and entrepreneurship.
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Student exit feedback analysis Electrical and Electronics Engineering 2019-2020

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PO 11: Project management and finance
PO 12: Life-long learning

PROGRAM SPECIFIC OUTCOMES (PSOs)
PSO1 - To analyze and apply the knowledge of electrical fundamentals, circuit design, control engineering, field theory, power system and allied topics.
PSO2 - To understand technologies and gain the practical skills to design, simulate and analyse electrical system to engage in lifelong learning and successfully adapt in multi-disciplinary environment.
PSO3 - To design, develop and implement Electrical and inter disciplinary projects to meet industry demand and to provide solution to real time problems in current scenario.
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Program Exit Feedback

![Program Exit Feedback Chart]

- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly Disagree
Student exit feedback analysis

Electronics and Communication Engineering

2019-2020

PO 1: Engineering knowledge
PO 2: Problem analysis
PO 3: Design/development of solutions
PO 4: Conduct investigations of complex problems
PO 5: Modern tool usage
PO 6: The engineer and society
PO 7: Environment and sustainability
PO 8: Ethics
PO 9: Individual and team work
PO 10: Communication
PO 11: Project management and finance
PO 12: Life-long learning

PROGRAM SPECIFIC OUTCOMES (PSOs)
PSO1 - Design and create novel systems in the field of Electronics and Communication to solve global issues.

PSO2 - Carry out research activities in Electronics and Communication Engineering using modern hardware and software tools specific to the field.

PSO3 - Analyze the working of electronic systems in industry and interpret results to arrive at valid conclusions.
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Student exit feedback analysis

Mechanical Engineering

2019-2020

PO 1: Engineering knowledge
PO 2: Problem analysis
PO 3: Design/development of solutions
PO 4: Conduct investigations of complex problems
PO 5: Modern tool usage
PO 6: The engineer and society
PO 7: Environment and sustainability
PO 8: Ethics
PO 9: Individual and team work
PO 10: Communication
PO 11: Project management and finance
PO 12: Life-long learning

PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO1 - Apply the knowledge of mathematics, physics, basics of other engineering disciplines, mechanics, thermal sciences, fluid mechanics and management principles for solving complex and diverse problems in the field of mechanical engineering.

PSO2 - Implement the principles of design, analysis and interpretation of data to the mechanical systems and processes.

PSO3 - Use modern tools such as CAD/CAM/ CIM/CFD, IT, IOT and 3D printing techniques in the mechanical engineering practice.
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Program Exit Feedback

![Program Exit Feedback Chart]

**Legend:**
- **Strongly Agree**
- **Agree**
- **Neutral**
- **Disagree**
- **Strongly Disagree**
Faculty feedback (2019 regulation B.Tech)

2019-2020

1. Curriculum of the program is well designed and promotes learning experience of students
2. Course outcomes of the courses are well explained and clear to faculty and students
3. Courses reviewed are relevant to the current industry needs
4. The syllabus of the course reviewed has good balance between theory and application
5. Curriculum recommends relevant books and references in the field
6. Teaching the courses has increased my knowledge and expertise in the field
Faculty feedback (2015 regulation B.Tech)

2019-2020

1. Curriculum of the program is well designed and promotes learning experience of students
2. Course outcomes of the courses are well explained and clear to faculty and students
3. Courses reviewed are relevant to the current industry needs
4. The syllabus of the course reviewed has good balance between theory and application
5. Curriculum recommends relevant books and references in the field
6. Teaching the courses has increased my knowledge and expertise in the field
ALUMNI FEEDBACK ANALYSIS
2019-2020

P1. Apply engineering knowledge in professional engineering practice
P2. The confidence to conduct investigations of complex problems.
P3. The caliber to use Modern tools pertaining to the field of Engineering
P4. The expertise and willingness to apply the knowledge in engineering for the betterment of society.
P5. The preparedness to protect the environment and follow the concept of sustainability.
P6. Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
P7. Deliver the best results in both Individual as well as team work.
P8. Proficiency in both verbal and written Communication.
P9. Flair to handle projects and task with know-how of Project management and finance.
P10. Awareness of the importance of Life-long learning.
ELECTRONICS AND COMMUNICATION ENGINEERING

2019-2020

Alumni feedback- Electronics & Communication Engineering

MECHANICAL ENGINEERING

2019-2020

Alumni feedback- Mechanical Engineering
Questions
A1. Performance of our graduates
A2. Inclination to adopt new technology
A3. Independent thinking and problem-solving ability
A4. Communication skills
A5. Leadership skills
A6. Professional Attitude
A7. Ethics
A8. Inclination to identify problems in society
EMPLOYER FEEDBACK ANALYSIS REPORT

ACADEMIC YEAR: 2019-2020

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Employer Feedback Analysis

- Excellent
- Very good
- Good
- Average

0% | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | 100%

A1 | A2 | A3 | A4 | A5 | A6 | A7 | A8

Excellent: blue, Very good: orange, Good: grey, Average: yellow
FEEDBACK FROM EMPLOYERS ON CURRICULUM

2019-2020

Employer feedback on curriculum was collected from employers on the following areas

P1. Rate your opinion on the relevancy/ sufficiency of the courses meeting the industry requirements?

P2. Rate the applicability of the tools/activities/case studies presented in the curriculum facilitating more employability skills among graduates

P3. How effective is the Curriculum in developing analytical and problem-solving skills?

P4. Does the curriculum include value added courses/ soft skill training/ domain specific electives for enhancing constructive learning?

P5. Rate the scope of the syllabus in enhancing entrepreneurship skills/ lifelong learning/ human values and ethics


P7. Does the curriculum effectively cover topics on fundamentals and latest technology?

P8. The academic initiatives of the institution contribute towards achieving the Mission and Vision of the institution

P9. Rate the proficiency of our graduates to adapt to industry requirements

P10. The curriculum facilitates an overall holistic development of the student?

Scale provided
1-Strongly Disagree, 2- Disagree, 3- Neutral, 4-Agree, 5-Strongly Agree
### Employer Curriculum Feedback

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FEEDBACK FROM ALUMNI ON CURRICULUM
2019-2020

Employer feedback on curriculum was collected from employers on the following areas

P1. Rate your opinion on the relevancy/ sufficiency of the courses meeting the industry requirements?

P2. Rate whether the experiences gained through projects/ internships/ certifications facilitated more employability skills/ communication skills/ confidence in you.

P3. How effective is the Curriculum in developing analytical and problem-solving skills

P4. Does the curriculum include value added courses/ soft skill training/ domain specific electives for enhancing constructive learning.

P5 Rate the scope of the syllabus in enhancing entrepreneurship skills/ lifelong learning/ human values and ethics

P6. Rate the scope of the curriculum in developing the following attributes - creativity, leadership, innovation, self motivation, workplace ethics, social responsibility

P7. The curriculum facilitates in acquiring the learning outcomes of the programme of study.

P8. Is the curriculum facilitating enhancement of practical competencies as needed by the industry?

P9. Your opinion on the various platforms and opportunities facilitated by the Institution to achieve your goals.

P10. Rate your participation in the various academic initiatives of the Institution

Scale provided
1-Strongly Disagree, 2- Disagree, 3- Neutral, 4-Agree, 5-Strongly Agree
### Alumni Curriculum Feedback

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![Bar chart showing alumni curriculum feedback](chart.png)

- **Strongly Agree**
- **Agree**
- **Neutral**
- **Disagree**
- **Strongly Disagree**
Feedback Analysis Report

2018-19
STUDENT FEEDBACK ANALYSIS REPORT ON AMBIENCE OF THE INSTITUTION

2018-2019

Questions

A1. Computer facilities in the institution
A2. Laboratory facilities in the institution
A3. Classroom facilities were conducive to learning
A4. Library facilities in the institution
A5. Internet facilities in the institution

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Student feedback on ambience

![Graph showing percentage of feedback](image_url)
Structured feedback on curriculum was collected from the students on the following areas:

P1. Is the curriculum structured to meet the requirements of the students in the outside world?

P2. Do you find the syllabus updated to reflect latest advances in the respective field?

P3. Do the laboratory activities help in understanding the concepts of the subject?

P4. Does the program encourage you to pursue higher studies?

P5. Does the curriculum introduce the concepts of sustainability and ethics to the students?

P6. Do you find the electives suitable for developing a deeper understanding of the specialized field?

P7. Are the objectives of the courses clearly defined?

P8. Does the syllabus enable you to achieve the programs learning outcomes?

P9. Do you find internships/projects/field visits relevant in the curriculum?

P10. Do you find add on courses/value added courses relevant for a better understanding the course?

**Scale provided**

1-Strongly Disagree, 2- Disagree, 3- Neutral, 4-Agree, 5-Strongly Agree
## Question wise analysis in percentage

### Department of Civil Engineering

**Academic Year: 2018-2019**

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### Student curriculum feedback

- **Strongly Agree**
- **Agree**
- **Neutral**
- **Disagree**
- **Strongly Disagree**

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[Graph showing student curriculum feedback]
Question wise analysis in percentage

Department of Automobile Engineering

Academic Year: 2018-2019

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Student curriculum feedback

- **Strongly Agree**
- **Agree**
- **Neutral**
- **Disagree**
- **Strongly Disagree**
Question wise analysis in percentage

Department of Computer Science Engineering

Academic Year: 2018-2019

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Student curriculum feedback
Question wise analysis in percentage

Department of Electrical and Electronics Engineering

Academic Year: 2018-2019

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**Student curriculum feedback**

- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly Disagree
Question wise analysis in percentage Department of Electronics and Communication Engineering

Academic Year: 2018-2019

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Student curriculum feedback
Question wise analysis in percentage

Department of Mechanical Engineering

Academic Year: 2018-2019

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Student Curriculum feedback

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Student exit feedback analysis

Automobile Engineering

2018-2019

PO 1: Engineering knowledge
PO 2: Problem analysis
PO 3: Design/development of solutions
PO 4: Conduct investigations of complex problems
PO 5: Modern tool usage
PO 6: The engineer and society
PO 7: Environment and sustainability
PO 8: Ethics
PO 9: Individual and team work
PO 10: Communication
PO 11: Project management and finance
PO 12: Life-long learning

PROGRAM SPECIFIC OUTCOMES (PSOs)
PSO1 - Apply basic science and mathematical principles to design, develop or reengineer automobiles.
PSO2 - Design or develop subsystems required for building safe, efficient and green vehicles.
PSO3 - Applying knowledge of the function of various automobile components and systems for continuous and preventive service and maintenance.
## Student Exit Feedback

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The chart below visualizes the feedback data from PO1 to PSO 3.
Student exit feedback analysis

Civil Engineering

2018-2019

PO 1: Engineering knowledge
PO 2: Problem analysis
PO 3: Design/development of solutions
PO 4: Conduct investigations of complex problems
PO 5: Modern tool usage
PO 6: The engineer and society
PO 7: Environment and sustainability
PO 8: Ethics
PO 9: Individual and team work
PO 10: Communication
PO 11: Project management and finance
PO 12: Life-long learning

PROGRAM SPECIFIC OUTCOMES (PSOs)
PSO1 - Graduates shall demonstrate good understanding of engineering fundamentals and demonstrate sound knowledge in analysis, design and laboratory investigations in various domains of Civil Engineering.

PSO2 - Graduates will exhibit a passion for continuous self-learning and/or pursue higher studies and engineering research.

PSO3 - Graduates will possess ability to interact and function within multidisciplinary teams with competence in modern tool usage.
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Program Exit Feedback

![Program Exit Feedback Chart]

Legend:
- Blue: Strongly Agree
- Orange: Agree
- Gray: Neutral
- Yellow: Disagree
- Purple: Strongly Disagree
Student exit feedback Computer Science Engineering 2018-2019

PO 1: Engineering knowledge
PO 2: Problem analysis
PO 3: Design/development of solutions
PO 4: Conduct investigations of complex problems
PO 5: Modern tool usage
PO 6: The engineer and society
PO 7: Environment and sustainability
PO 8: Ethics
PO 9: Individual and team work
PO 10: Communication
PO 11: Project management and finance
PO 12: Life-long learning

PROGRAM SPECIFIC OUTCOMES (PSOs)
PSO1 - Apply knowledge of mathematics, science, engineering and computer science fundamentals to solve complex computational problems.
PSO2 - Use modern tools to analyze, design and develop software solutions in the areas pertaining to system software, database, networking, web and mobile applications, information security, data analytics and machine learning.
PSO3 - Employ modern computer languages, environments, and platforms to create innovative career paths, pursue higher studies and entrepreneurship.
Program Exit Feedback

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Student exit feedback analysis Electrical and Electronics Engineering

2018-2019

PO 1: Engineering knowledge
PO 2: Problem analysis
PO 3: Design/development of solutions
PO 4: Conduct investigations of complex problems
PO 5: Modern tool usage
PO 6: The engineer and society
PO 7: Environment and sustainability
PO 8: Ethics
PO 9: Individual and team work
PO 10: Communication
PO 11: Project management and finance
PO 12: Life-long learning

PROGRAM SPECIFIC OUTCOMES (PSOs)
PSO1 - To analyze and apply the knowledge of electrical fundamentals, circuit design, control engineering, field theory, power system and allied topics.

PSO2 - To understand technologies and gain the practical skills to design, simulate and analyse electrical system to engage in lifelong learning and successfully adapt in multi-disciplinary environment.

PSO3 - To design, develop and implement Electrical and inter disciplinary projects to meet industry demand and to provide solution to real time problems in current scenario.
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Program Exit Feedback

![Program Exit Feedback Chart]
Student exit feedback analysis

Electronics and Communication Engineering

2018-2019

PO 1: Engineering knowledge
PO 2: Problem analysis
PO 3: Design/development of solutions
PO 4: Conduct investigations of complex problems
PO 5: Modern tool usage
PO 6: The engineer and society
PO 7: Environment and sustainability
PO 8: Ethics
PO 9: Individual and team work
PO 10: Communication
PO 11: Project management and finance
PO 12: Life-long learning

PROGRAM SPECIFIC OUTCOMES (PSOs)
PSO1 - Design and create novel systems in the field of Electronics and Communication to solve global issues.
PSO2 - Carry out research activities in Electronics and Communication Engineering using modern hardware and software tools specific to the field.
PSO3 - Analyze the working of electronic systems in industry and interpret results to arrive at valid conclusions.
### Program Exit Feedback

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Student exit feedback analysis

Mechanical Engineering

2018-2019

PO 1: Engineering knowledge
PO 2: Problem analysis
PO 3: Design/development of solutions
PO 4: Conduct investigations of complex problems
PO 5: Modern tool usage
PO 6: The engineer and society
PO 7: Environment and sustainability
PO 8: Ethics
PO 9: Individual and team work
PO 10: Communication
PO 11: Project management and finance
PO 12: Life-long learning

PROGRAM SPECIFIC OUTCOMES (PSOs)
PSO1 - Apply the knowledge of mathematics, physics, basics of other engineering disciplines, mechanics, thermal sciences, fluid mechanics and management principles for solving complex and diverse problems in the field of mechanical engineering.

PSO2 - Implement the principles of design, analysis and interpretation of data to the mechanical systems and processes.

PSO3 - Use modern tools such as CAD/CAM/ CIM/CFD, IT, IOT and 3D printing techniques in the mechanical engineering practice.
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**Program Exit Feedback**

- **Strongly Agree**
- **Agree**
- **Neutral**
- **Disagree**
- **Strongly Disagree**
Faculty feedback (2019 regulation B.Tech)

2018-2019

1. Curriculum of the program is well designed and promotes learning experience of students
2. Course outcomes of the courses are well explained and clear to faculty and students
3. Courses reviewed are relevant to the current industry needs
4. The syllabus of the course reviewed has good balance between theory and application
5. Curriculum recommends relevant books and references in the field
6. Teaching the courses has increased my knowledge and expertise in the field

Faculty Feedback on Curriculum

- Q6
- Q5
- Q4
- Q3
- Q2
- Q1

Strongly Agree | Agree | Neutral | Disagree | Strongly Disagree

0 20 40 60 80 100 120

SCMS SCHOOL OF ENGINEERING AND TECHNOLOGY
Vidya Nagar, Palissery, Karukutty, Kerala 683576
Faculty feedback (2015 regulation B.Tech)

2018-2019

1. Curriculum of the program is well designed and promotes learning experience of students
2. Course outcomes of the courses are well explained and clear to faculty and students
3. Courses reviewed are relevant to the current industry needs
4. The syllabus of the course reviewed has good balance between theory and application
5. Curriculum recommends relevant books and references in the field
6. Teaching the courses has increased my knowledge and expertise in the field
ALUMNI FEEDBACK ANALYSIS

2018-2019

P1. Apply engineering knowledge in professional engineering practice
P2. The confidence to conduct investigations of complex problems.
P3. The caliber to use Modern tools pertaining to the field of Engineering
P4. The expertise and willingness to apply the knowledge in engineering for the betterment of society.
P5. The preparedness to protect the environment and follow the concept of sustainability.
P6. Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
P7. Deliver the best results in both Individual as well as team work.
P8. Proficiency in both verbal and written Communication.
P9. Flair to handle projects and task with know-how of Project management and finance.
P10. Awareness of the importance of Life-long learning.
AUTOMOBILE ENGINEERING

2018-2019

Alumni Feedback - Automobile Engineering

CIVIL ENGINEERING

2018-2019

Alumni Feedback – Civil Engineering

PRINCIPAL

SCMS SCHOOL OF ENGINEERING & TECHNOLOGY
VIDYANAGAR, PALISSERY, KARUKUTTY
ERNAKULAM, KERALA-683576
COMPUTER SCIENCE ENGINEERING
2018-2019

ELECTRICAL AND ELECTRONICS ENGINEERING
2018-2019
ELECTRONICS AND COMMUNICATION ENGINEERING

2018-2019

Alumni Feedback - Electronics and Communication Engineering

MECHANICAL ENGINEERING

2018-2019

Alumni Feedback - Mechanical Engineering
Questions
A1. Performance of our graduates
A2. Independent thinking and problem-solving ability
A3. Communication skills
A4. Leadership skills
A5. Ethics
EMPLOYER FEEDBACK ANALYSIS REPORT
ACADEMIC YEAR: 2018-2019

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Employer Feedback Analysis

- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly Disagree
Employer feedback on curriculum was collected from employers on the following areas

P1. Rate your opinion on the relevancy/ sufficiency of the courses meeting the industry requirements?

P2. Rate whether the experiences gained through projects/ internships/ certifications facilitated more employability skills/ communication skills/ confidence in you.

P3. How effective is the Curriculum in developing analytical and problem-solving skills

P4. Does the curriculum include value added courses/ soft skill training/ domain specific electives for enhancing constructive learning.

P5 Rate the scope of the syllabus in enhancing entrepreneurship skills/ lifelong learning/ human values and ethics

P6. Rate the scope of the curriculum in developing the following attributes - creativity, leadership, innovation, self motivation, workplace ethics, social responsibility

P7. The curriculum facilitates in acquiring the learning outcomes of the programme of study.

P8. Is the curriculum facilitating enhancement of practical competencies as needed by the industry?

P9. Your opinion on the various platforms and opportunities facilitated by the Institution to achieve your goals.

P10. Rate your participation in the various academic initiatives of the Institution

Scale provided
1-Strongly Disagree, 2- Disagree, 3- Neutral, 4-Agree, 5-Strongly Agree
Alumni Feedback on Curriculum

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FEEDBACK FROM EMPLOYERS ON CURRICULUM
2018-2019

Employer feedback on curriculum was collected from employers on the following areas

P1. Rate your opinion on the relevancy/ sufficiency of the courses meeting the industry requirements?

P2. Rate the applicability of the tools/activities/case studies presented in the curriculum facilitating more employability skills among graduates

P3. How effective is the Curriculum in developing analytical and problem-solving skills?

P4. Does the curriculum include value added courses/ soft skill training/ domain specific electives for enhancing constructive learning?

P5 Rate the scope of the syllabus in enhancing entrepreneurship skills/ lifelong learning/ human values and ethics


P7. Does the curriculum effectively cover topics on fundamentals and latest technology?

P8. The academic initiatives of the institution contribute towards achieving the Mission and Vision of the institution

P9. Rate the proficiency of our graduates to adapt to industry requirements

P10. The curriculum facilitates an overall holistic development of the student?

Scale provided
1-Strongly Disagree, 2- Disagree, 3- Neutral, 4-Agree, 5-Strongly Agree
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**Employer feedback on curriculum**

![Bar chart showing feedback distribution](chart.png)