SAINTGITS COLLEGE OF ENGINEERING (AUTONOMOUS)

KOTTAYAM

Summary of External Audit (AY 2019-20)

Appreciations

Vision and Leadership

Curriculum, Campus infrastructure

Laboratory and IT Infrastructure

ICT based Teaching and Learning

Faculty attended FDP/Seminars/Conferences

UG Internship and Placement

Focus on

Number of PhDs

Faculty with PhD from outside the state

Quality of Publications

Consultancy and Sponsored Projects

Industry linkage/ Collaboration with Industries

PG Admission/GATE

PG Placement

Full-time PhD candidates

Joint activity with Institutions of higher ranking

Promotion of start-up culture

Signature with Date	21-12-21	21/12/2021	21/12/2021
Name and Designation of the Auditor	Dr. K. S. Beena Professor & Dean Faculty of Engineering,	Dr. Gabriel Simon Thattil Professor & Head Department of Commerce University of Kerala	Dr. B. Vinod Professor & Head I/c Department of Robotics and Automation Engineering

	Division of Civil Engineering, School of Engineering, Cochin University of Science and Technology, Kochi-682022	Karyavattom, Trivandrum-695581	PSG College of Technology Coimbatore-641004
IQAC Coordinator: Dr. Anitha Joseph		Principal: Dr. Josephkunju Paul C.	

ACADEMIC AUDIT EVALUATION SHEET

SAINTGITS COLLEGE OF ENGINEERING

Name of the Department : COMPUTER SCIENCE AND ENGINEERING

Programmes offered: B.Tech CSE& M.Tech CS&SE

S. No	Criterion	Rating		
		Very good	Good	Satisfactory
1	Quality of vision and mission statements	X		
2	Availability of long term and short-term goals with clear action plans for implementation		X	
3	Evidence of procedures for framing POs, PSOs and their adequacy			X
4	Evidence of attainment of POs, PSOs against set targets			X
5	Evidence of framing of COs and their attainment against set targets			X
6	Evidence for use of ICT in teaching learning process	X		
7	Evidence for student centric learning	X		
8	Quality of CIE and SEE question papers		X	
9	Quality of laboratory experiments		X	
10	Faculty profile and the adequacy of faculty members as per the norms of AICTE			X
11	Number of faculty members with PhD from universities other than Kerala and abroad			X
12	Quality of Faculty Publications		X	
13	Adequacy of faculty training programmes (FDP/STTP)		X	
14	Adequacy of Number of conferences and workshops attended by the faculty members			X
15	Adequacy of number of workshops / FDPs/conferences conducted by the department			X
16	Students progression without backlog in any semester	X		
17	Students completing the programmes in the stipulated time	X		
18	Quality of student projects		X	
19	Quality of student internships	X		
20	Number of students placed and their median salary		X	
21	Number of students clearing NET/UPSC/CAT EXAMS			X
22	Number of students pursuing start-ups			X

23	Adequacy of space for laboratories		X	
24	Adequacy of modern equipment in the laboratories	X		
25	Adequacy of non-teaching staff for laboratories and their qualification			X
26	Innovations by students towards societally relevant projects			X
27	Innovations by faculty members in teaching learning processes		X	
28	Adequacy of resources available in the department library		X	
29	Provision of seed money to teachers for research		X	
30	Student – Full time teacher ratio			X
31	Adequacy of Industrial visits arranged for students			X
32	Adequacy of guest/technical lectures arranged for students		X	
33	Relevance of one credit/MOOCs courses			X
34	Learning beyond class room		X	
35	Evidence for research grants received from various agencies			X

Strengths , weaknesses, concerns / Recommendations

Faculty profile in general is good. But there are still 22 non-PhDs who should be pushed to complete PhD soon. There is only one PhD from abroad. Thus, Faculty do not have exposure to leading Institutions which is a weakness. Faculty members can participate in more conferences, workshops, FDPs and should develop expertise in offering FDPs in niche areas. Funded projects, publications and patents are very minimal and there is a huge scope to work in these areas. Infrastructure looks very good and there are several activities to enhance the skill set of students. Student intake, pass percentage, number of internships and placements are really good. Department activities are very clearly presented in the report and appreciate the same.

Signature with Date	21-12-21	21/12/2021	21/12/2021
Name and Designation of the Auditor	Dr. K. S. Beena Professor & Dean Faculty of Engineering, Division of Civil Engineering, School of Engineering, Cochin University of Science and Technology, Kochi-682022	Dr. Gabriel Simon Thattil Professor & Head Department of Commerce University of Kerala Karyavattom, Trivandrum-695581	Dr. B. Vinod Professor & Head I/c Department of Robotics and Automation Engineering PSG College of Technology Coimbatore-641004
Signature of HOD with date and seal	30-12-2021	Signature of Head of the institution with date and seal	30-12-21

ACADEMIC AUDIT EVALUATION SHEET

Name of the Department: **CIVIL ENGINEERING**

Programme & Branch (UG and PG):UG- B.Tech. in Civil Engg
PG- Geomechanics and Structures, Structural Engineering and Construction Management

S. No	Criterion	Rating		
		Very good	Good	Satisfactory
1	Quality of vision and mission statements	X		
2	Availability of long term and short term goals with clear action plans for implementation		X	
3	Evidence of procedures for framing POs, PSOs and their adequacy			X
4	Evidence of attainment of POs, PSOs against set targets			X
5	Evidence of framing of COs and their attainment against set targets			X
6	Evidence for use of ICT in teaching learning process		X	
7	Evidence for student centric learning	X		
8	Quality of CIE and SEE question papers		X	
9	Quality of laboratory experiments	X		
10	Faculty profile and the adequacy of faculty members as per the norms of AICTE		X	
11	Number of faculty members with PhD from universities other than Kerala and abroad			X (TO BE IMPROVED)
12	Quality of Faculty Publications			X
13	Adequacy of faculty training programmes (FDP/STTP)		X	
14	Adequacy of Number of conferences and workshops attended by the faculty members		X	
15	Adequacy of number of workshops / FDPs/conferences conducted by the department			X
16	Students progression without backlog in any semester			X
17	Students completing the programmes in the stipulated time			X
18	Quality of student projects		X	
19	Quality of student internships			X
20	Number of students placed and their median salary			X
21	Number of students clearing NET/UPSC/CAT EXAMS			X
22	Number of students pursuing start-ups			X (Poor)

23	Adequacy of space for laboratories			X
24	Adequacy of modern equipment in the laboratories		X	
25	Adequacy of non-teaching staff for laboratories and their qualification			X
26	Innovations by students towards societally relevant projects			X (Nil)
27	Innovations by faculty members in teaching learning processes		X	
28	Adequacy of resources available in the department library			X
29	Provision of seed money to teachers for research		X	
30	Student – Full time teacher ratio		X	
31	Adequacy of Industrial visits arranged for students			X
32	Adequacy of guest/technical lectures arranged for students		X	
33	Relevance of one credit courses/MOOC Courses			X
34	Learning beyond class room			X
35	Evidence for research grants received from various agencies		X	

Strengths, weaknesses, concerns/ Recommendations:

Generally, the FSR is good with blend of various specialization. Faculties involved in projects are few and others may be encouraged to have research and extension activities. Good to see more number of students are encouraged to take courses outside curriculum through open platforms. But the course selection can be improved by considering the relevance and the more varied topics. The students may be encouraged to qualify for GATE and to do projects which are socially relevant. More Technical programmes can be conducted and aspire for more funded projects. Faculties may be directed to publish in quality journals.

Signature with Date	21-12-21	21/12/2021	21/12/2021
Name and Designation of the Auditor	Dr. K. S. Beena Professor & Dean Faculty of Engineering, Division of Civil Engineering, School of Engineering, Cochin University of Science and Technology, Kochi-682022	Dr. Gabriel Simon Thattil Professor & Head Department of Commerce University of Kerala Karyavattom, Trivandrum-695581	Dr. B. Vinod Professor & Head I/c Department of Robotics and Automation Engineering PSG College of Technology Coimbatore-641004
Signature of HOD with date and seal	30-12-21	Signature of Head of the institution with date and seal	30-12-21

ACADEMIC AUDIT EVALUATION SHEET

SAINTGITS COLLEGE OF ENGINEERING

Name of the Department : ELECTRONICS AND COMMUNICATION ENGINEERING

Programmes offered: B.Tech- ECE, Robotics M.Tech VLSI&ES, Telecommunication, Robotics

S. No	Criterion	Rating		
		Very good	Good	Satisfactory
1	Quality of vision and mission statements	X		
2	Availability of long term and short term goals with clear action plans for implementation		X	
3	Evidence of procedures for framing POs, PSOs and their adequacy			X
4	Evidence of attainment of POs, PSOs against set targets			X
5	Evidence of framing of COs and their attainment against set targets			X
6	Evidence for use of ICT in teaching learning process		X	
7	Evidence for student centric learning		X	
8	Quality of CIE and SEE question papers		X	
9	Quality of laboratory experiments		X	
10	Faculty profile and the adequacy of faculty members as per the norms of AICTE		X	
11	Number of faculty members with PhD from universities other than Kerala and abroad			X
12	Quality of Faculty Publications		X	
13	Adequacy of faculty training programmes (FDP/STTP)		X	
14	Adequacy of Number of conferences and workshops attended by the faculty members			X
15	Adequacy of number of workshops / FDPs/conferences conducted by the department		X	
16	Students progression without backlog in any semester			X
17	Students completing the programmes in the stipulated time		X	
18	Quality of student projects		X	
19	Quality of student internships		X	
20	Number of students placed and their median salary		X	
21	Number of students clearing NET/UPSC/CAT EXAMS			X
22	Number of students pursuing start-ups			X
23	Adequacy of space for laboratories		X	

24	Adequacy of modern equipment in the laboratories		X	
25	Adequacy of non-teaching staff for laboratories and their qualification			X
26	Innovations by students towards societally relevant projects			X
27	Innovations by faculty members in teaching learning processes		X	
28	Adequacy of resources available in the department library		X	
29	Provision of seed money to teachers for research		X	
30	Student – Full time teacher ratio		X	
31	Adequacy of Industrial visits arranged for students			X
32	Adequacy of guest/technical lectures arranged for students		X	
33	Relevance of one credit/MOOCs courses		X	
34	Learning beyond class room		X	
35	Evidence for research grants received from various agencies		X	

Strengths, weaknesses, concerns / Recommendations

Faculty Profile and number in general are good. But there are still 28 non-PhDs who should be encouraged to complete their PhD. Faculty members may be motivated to participate in more conferences, workshops, FDPs and should develop expertise in some core areas of ECE and Robotics. Funded projects, and publications are encouraging but still there is scope to improve. Good to note that the department has got KSCSTE funding for two socially relevant projects. Though societal activities are good, it will be good to have TRS, IEEE communication and RAS chapters. Pass percentage of BE Robotics is of serious concern and necessary steps to be taken to improve the same.

Signature with Date	21-12-21	21/12/2021	21/12/2021
Name and Designation of the Auditor	Dr. K. S. Beena Professor & Dean Faculty of Engineering, Division of Civil Engineering, School of Engineering, Cochin University of Science and Technology, Kochi-682022	Dr. Gabriel Simon Thattil Professor & Head Department of Commerce University of Kerala Karyavattom, Trivandrum-695581	Dr. B. Vinod Professor & Head I/c Department of Robotics and Automation Engineering PSG College of Technology Coimbatore-641004
Signature of HOD with date and seal	30.12.2021	Signature of Head of the institution with date and seal	30-12-21

ACADEMIC AUDIT EVALUATION SHEET

Name of the Department:**Chemical Engineering**

Programmes offered: **B. Tech., Chemical Engineering**

S. No	Criterion	Rating		
		Very good	Good	Satisfactory
1	Quality of vision and mission statements	X		
2	Availability of long term and short term goals with clear action plans for implementation		X	
3	Evidence of procedures for framing POs, PSOs and their adequacy		X	
4	Evidence of attainment of POs, PSOs against set targets			X
5	Evidence of framing of COs and their attainment against set targets			X
6	Evidence for use of ICT in teaching learning process	X		
7	Evidence for student centric learning		X	
8	Quality of CIE and SEE question papers		X	
9	Quality of laboratory experiments	X		
10	Faculty profile and the adequacy of faculty members as per the norms of AICTE		X	
11	Number of faculty members with PhD from universities other than Kerala and abroad			X
12	Quality of Faculty Publications			X
13	Adequacy of faculty training programmes (FDP/STTP)		X	
14	Adequacy of Number of conferences and workshops attended by the faculty members			X
15	Adequacy of number of workshops / FDPs/conferences conducted by the department			X(Poor)
16	Students progression without backlog in any semester			X
17	Students completing the programmes in the stipulated time			X
18	Quality of student projects			X
19	Quality of student internships			X(Poor)
20	Number of students placed and their median salary			X
21	Number of students clearing NET/UPSC/CAT EXAMS			X
22	Number of students pursuing start-ups			X(Poor)
23	Adequacy of space for laboratories			X

24	Adequacy of modern equipment in the laboratories		X	
25	Adequacy of non-teaching staff for laboratories and their qualification			X
26	Innovations by students towards societally relevant projects			X(Nil)
27	Innovations by faculty members in teaching learning processes		X	
28	Adequacy of resources available in the department library			X
29	Provision of seed money to teachers for research			X(Poor)
30	Student – Full time teacher ratio		X	
31	Adequacy of Industrial visits arranged for students		X	
32	Adequacy of guest/technical lectures arranged for students			X(Poor)
33	Relevance of one credit courses/MOOC Courses			X
34	Learning beyond class room			X
35	Evidence for research grants received from various agencies		X	

Strengths, weaknesses, concerns / Recommendations

Generally, the FSR is good with blend of various specialization. Good to see more number of students are encouraged to take courses outside curriculum through open platforms. However, the students may be encouraged to qualify for GATE and to do projects which are socially relevant. Faculties are also encouraged to have research and extension activites. More Technical programmes can be conducted and aspire for more funded projects. Organize more invited lecture series by persons with industry/academic/research experience for motivating the students.Remedial classes can be arranged to improve the pass percentage.

Signature with Date	21-12-21	21/12/2021	21/12/2021
Name and Designation of the Auditor	Dr. K. S. Beena Professor & Dean Faculty of Engineering, Division of Civil Engineering, School of Engineering, Cochin University of Science and Technology, Kochi-682022	Dr. Gabriel Simon Thattil Professor & Head Department of Commerce University of Kerala Karyavattom, Trivandrum-695581	Dr. B. Vinod Professor & Head I/c Department of Robotics and Automation Engineering PSG College of Technology Coimbatore-641004
Signature of HOD with date and seal	30-12-2021	Signature of Head of the institutionwith date and seal	30-12-21

ACADEMIC AUDIT EVALUATION SHEET

SAINTGITS COLLEGE OF ENGINEERING

Name of the Department : ELECTRICAL AND ELECTRONICS ENGINEERING

Programmes offered: B.Tech- EEE, M.Tech Power Systems

S. No	Criterion	Rating		
		Very good	**Good**	**Satisfactory**
1	Quality of vision and mission statements	X		
2	Availability of long term and short term goals with clear action plans for implementation	X		
3	Evidence of procedures for framing POs, PSOs and their adequacy			X
4	Evidence of attainment of POs, PSOs against set targets			X
5	Evidence of framing of COs and their attainment against set targets			X
6	Evidence for use of ICT in teaching learning process	X		
7	Evidence for student centric learning		X	
8	Quality of CIE and SEE question papers		X	
9	Quality of laboratory experiments			X
10	Faculty profile and the adequacy of faculty members as per the norms of AICTE		X	
11	Number of faculty members with PhD from universities other than Kerala and abroad			X
12	Quality of Faculty Publications		X	
13	Adequacy of faculty training programmes (FDP/STTP)			X
14	Adequacy of Number of conferences and workshops attended by the faculty members			X
15	Adequacy of number of workshops / FDPs/conferences conducted by the department			X
16	Students progression without backlog in any semester			X
17	Students completing the programmes in the stipulated time			X
18	Quality of student projects		X	
19	Quality of student internships			X
20	Number of students placed and their median salary			X
21	Number of students clearing NET/UPSC/CAT EXAMS			X(Poor)
22	Number of students pursuing start-ups			X
23	Adequacy of space for laboratories		X	

24	Adequacy of modern equipment in the laboratories			X
25	Adequacy of non-teaching staff for laboratories and their qualification			X
26	Innovations by students towards societally relevant projects			X(Nil)
27	Innovations by faculty members in teaching learning processes		X	
28	Adequacy of resources available in the department library			X
29	Provision of seed money to teachers for research		X	
30	Student – Full time teacher ratio		X	
31	Adequacy of Industrial visits arranged for students			X
32	Adequacy of guest/technical lectures arranged for students			X
33	Relevance of one credit/MOOCs courses		X	
34	Learning beyond class room			X
35	Evidence for research grants received from various agencies		X	

Strengths , weaknesses, concerns / Recommendations

Faculty profile and number in general are good, but there are still 18 non PhD faculty members who should be encouraged to complete their PhD. Faculty members may be motivated to organize more conferences, workshops, and FDPs. Funded projects, and publications are encouraging but still there are opportunities to improve in all areas. Good to note that the department has got 8 funded projects and the team has already applied for some more new projects. Societal activities of the department are good, and this can be somehow extended to society connect activities too. Though the Institution has setup several centres of excellence, there is no evidence on the effectiveness of these centre in terms of academic learning.

Signature with Date	21-12-21	21/12/2021	21/12/2021
Name and Designation of the Auditor	Dr. K. S. Beena Professor & Dean Faculty of Engineering, Division of Civil Engineering, School of Engineering, Cochin University of Science and Technology, Kochi-682022	Dr. Gabriel Simon Thattil Professor & Head Department of Commerce University of Kerala Karyavattom, Trivandrum-695581	Dr. B. Vinod Professor & Head I/c Department of Robotics and Automation Engineering PSG College of Technology Coimbatore-641004
Signature of HOD with date and seal		Signature of Head of the institution with date and seal	30-12-21

ACADEMIC AUDIT EVALUATION SHEET

Name of the Department : **Food Technology**

Programme & Branch (UG): UG- B.Tech. in Food Technology

S. No	Criterion	Rating		
		Very good	Good	Satisfactory
1	Quality of vision and mission statements		X	
2	Availability of long term and short term goals with clear action plans for implementation		X	
3	Evidence of procedures for framing POs, PSOs and their adequacy			X
4	Evidence of attainment of POs, PSOs against set targets			X
5	Evidence of framing of COs and their attainment against set targets			X
6	Evidence for use of ICT in teaching learning process			X
7	Evidence for student centric learning			X
8	Quality of CIE and SEE question papers		X	
9	Quality of laboratory experiments		X	
10	Faculty profile and the adequacy of faculty members as per the norms of AICTE			X
11	Number of faculty members with PhD from universities other than Kerala and abroad			X (TO BE IMPROVED)
12	Quality of Faculty Publications			X
13	Adequacy of faculty training programmes (FDP/STTP)			X
14	Adequacy of Number of conferences and workshops attended by the faculty members			X
15	Adequacy of number of workshops / FDPs/conferences conducted by the department			X
16	Students progression without backlog in any semester		X	
17	Students completing the programmes in the stipulated time			X
18	Quality of student projects			X
19	Quality of student internships			X
20	Number of students placed and their median salary			X
21	Number of students clearing NET/UPSC/CAT EXAMS			X (Poor)
22	Number of students pursuing start-ups			X (Poor)
23	Adequacy of space for laboratories			X

24	Adequacy of modern equipment in the laboratories			X
25	Adequacy of non-teaching staff for laboratories and their qualification		X	
26	Innovations by students towards societally relevant projects			X
27	Innovations by faculty members in teaching learning processes		X	
28	Adequacy of resources available in the department library			X (TO BE IMPROVED)
29	Provision of seed money to teachers for research		X	
30	Student – Full time teacher ratio			X
31	Adequacy of Industrial visits arranged for students			X
32	Adequacy of guest/technical lectures arranged for students			X
33	Relevance of one credit courses/MOOC Courses			X
34	Learning beyond class room			X
35	Evidence for research grants received from various agencies			X

Strengths, weaknesses, concerns / Recommendations

More senior level faculties are required. Faculties involved in projects are few and others may encouraged to have research and extension activites. More number of students may be encouraged to take courses outside curriculum through open platforms and the course selection can be improved by considering the relevance and the more varied topics. The students may be encouraged to qualify for GATE and to do projects which are socially relevant. More Technical programmes can be conducted and aspire for more funded projects. Remedial classes can be arranged to improve the pass percentage. Faculties may be directed to publish in quality journals. Lot of scope for improvement in student activities, conducting technical interactions from field experts, organizing seminars, workshops etc. Faculties may also be encouraged to attend more FDPs.

Signature with Date	21-12-21	21/12/2021	21/12/2021
Name and Designation of the Auditor	Dr. K. S. Beena Professor & Dean Faculty of Engineering, Division of Civil Engineering, School of Engineering, Cochin University of Science and Technology, Kochi-682022	Dr. Gabriel Simon Thattil Professor & Head Department of Commerce University of Kerala Karyavattom, Trivandrum-695581	Dr. B. Vinod Professor & Head I/c Department of Robotics and Automation Engineering PSG College of Technology Coimbatore-641004
Signature of HOD with date and seal	30/12/21	Signature of Head of the institution with date and seal	30-12-21

ACADEMIC AUDIT EVALUATION SHEET

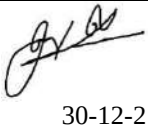
Name of the Department/ Programme: MBA

S. No	Criterion	Rating		
		Very good	**Good**	**Satisfactory**
1	Quality of vision and mission statements	x		
2	Availability of long term and short term goals with clear action plans for implementation		x	
3	Evidence of procedures for framing POs, PSOs and their adequacy		x	
4	Evidence of attainment of POs, PSOs against set targets			x
5	Evidence of framing of COs and their attainment against set targets			x
6	Evidence for use of ICT in teaching learning process	x		
7	Evidence for student centric learning		x	
8	Quality of CIE and SEE question papers			
9	Quality of laboratory experiments			
10	Faculty profile and the adequacy of faculty members as per the norms of AICTE		x	
11	Number of faculty members with PhD from universities other than Tamil Nadu and abroad			x
12	Quality of Faculty Publications		x	
13	Adequacy of faculty training programmes (FDP/STTP)		x	
14	Adequacy of Number of conferences and workshops attended by the faculty members	x		
15	Adequacy of number of workshops / FDPs/conferences conducted by the department	x		
16	Students progression without backlog in any semester	x		
17	Students completing the programmes in the stipulated time		x	
18	Quality of student projects		x	
19	Quality of student internships		x	
20	Number of students placed and their median salary		x	
21	Number of students clearing NET/UPSC/CAT EXAMS		x	
22	Number of students pursuing start-ups		x	
23	Adequacy of space for laboratories			

24	Adequacy of modern equipment in the laboratories			
25	Adequacy of non-teaching staff for laboratories and their qualification			
26	Innovations by students towards societally relevant projects		x	
27	Innovations by faculty members in teaching learning processes		x	
28	Adequacy of resources available in the department library	x		
29	Provision of seed money to teachers for research			x
30	Student – Full time teacher ratio		x	
31	Adequacy of Industrial visits arranged for students		x	
32	Adequacy of guest/technical lectures arranged for students	x		
33	Relevance of one credit courses		x	
34	Learning beyond class room		x	
35	Evidence for research grants received from various agencies			x

Strengths, weaknesses, concerns / Recommendations

Major strength of the HEI is its autonomy, locational advantage and faculty. Student's internship and industrial visits are well established. However, collaboration with professional bodies and the industry need to be strengthened. As far as curriculum enrichment is concerned, Mapping of COs to be made. Employability related courses need to focus on: Self-management, resilience and use of competencies with the mentioned soft skills. The Application context and opportunities should be made for clear. Electives in finance can include: Data Analytics in Accounting and FOREX management. Inclusion of Live projects with problems and issues identified from real life cases in the industry will help. Alumni engagement to be enhanced. Support for slow learners to be part of mentoring. Best use of CSR for Institute extension and research good be a good practice.

Signature with Date	21-12-21	21/12/2021	21/12/2021
Name and Designation of the Auditor	Dr. K. S. Beena Professor & Dean Faculty of Engineering, Division of Civil Engineering, School of Engineering, Cochin University of Science and Technology, Kochi-682022	Dr. Gabriel Simon Thattil Professor & Head Department of Commerce University of Kerala Karyavattom, Trivandrum-695581	Dr. B. Vinod Professor & Head I/c Department of Robotics and Automation Engineering PSG College of Technology Coimbatore-641004
Signature of HOD with date and seal	30-12-2021	Signature of Head of the institution with date and seal	 30-12-21

ACADEMIC AUDIT EVALUATION SHEET

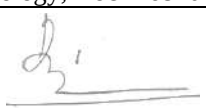
Name of the Department/ Programme: MCA Integrated and MCA 2 years full-time

S. No	Criterion	Rating		
		Very good	**Good**	**Satisfactory**
1	Quality of vision and mission statements	x		
2	Availability of long term and short term goals with clear action plans for implementation		x	
3	Evidence of procedures for framing POs, PSOs and their adequacy		x	
4	Evidence of attainment of POs, PSOs against set targets			x
5	Evidence of framing of COs and their attainment against set targets			x
6	Evidence for use of ICT in teaching learning process	x		
7	Evidence for student centric learning		x	
8	Quality of CIE and SEE question papers			
9	Quality of laboratory experiments			
10	Faculty profile and the adequacy of faculty members as per the norms of AICTE		x	
11	Number of faculty members with PhD from universities other than Tamil Nadu and abroad			x
12	Quality of Faculty Publications		x	
13	Adequacy of faculty training programmes (FDP/STTP)		x	
14	Adequacy of Number of conferences and workshops attended by the faculty members	x		
15	Adequacy of number of workshops / FDPs/conferences conducted by the department	x		
16	Students progression without backlog in any semester	x		
17	Students completing the programmes in the stipulated time		x	
18	Quality of student projects		x	
19	Quality of student internships		x	
20	Number of students placed and their median salary		x	
21	Number of students clearing NET/UPSC/CAT EXAMS		x	
22	Number of students pursuing start-ups		x	
23	Adequacy of space for laboratories			
24	Adequacy of modern equipment in the			

	laboratories			
25	Adequacy of non-teaching staff for laboratories and their qualification			
26	Innovations by students towards societally relevant projects		x	
27	Innovations by faculty members in teaching learning processes		x	
28	Adequacy of resources available in the department library	x		
29	Provision of seed money to teachers for research			x
30	Student – Full time teacher ratio		x	
31	Adequacy of Industrial visits arranged for students		x	
32	Adequacy of guest/technical lectures arranged for students	x		
33	Relevance of one credit courses		x	
34	Learning beyond class room		x	
35	Evidence for research grants received from various agencies			x

Strengths, weaknesses, concerns / Recommendations

Major strength of the HEI is its autonomy, locational advantage and faculty. Student's internship and industrial visits are well established. However, collaboration with professional bodies and the industry need to be strengthened. As far as curriculum enrichment is concerned, Mapping of COs to be made. Employability related courses need to focus on: Self-management, resilience and use of competencies with the mentioned soft skills. The Application context and opportunities should be made for clear. Inclusion of Live projects with problems and issues identified from real life cases in the industry will help. Alumni engagement to be enhanced. Support for slow learners to be part of mentoring. Best use of CSR for Institute extension and research good be a good practice.

Signature with Date	21-12-21	21/12/2021	21/12/2021
Name and Designation of the Auditor	Dr. K. S. Beena Professor & Dean Faculty of Engineering, Division of Civil Engineering, School of Engineering, Cochin University of Science and Technology, Kochi-682022	Dr. Gabriel Simon Thattil Professor & Head Department of Commerce University of Kerala Karyavattom, Trivandrum-695581	Dr. B. Vinod Professor & Head I/c Department of Robotics and Automation Engineering PSG College of Technology Coimbatore-641004
Signature of HOD with date and seal	 30.12.2021	Signature of Head of the institution with date and seal	30-12-21

ACADEMIC AUDIT EVALUATION SHEET

Name of the Department : Mechanical Engineering Department

Programme & Branch (UG and PG): **UG - B-Tech in Mechanical Engineering, PG -M.Tech in Machine Design**

S. No	Criterion	Rating		
		Very good	Good	Satisfactory
1	Quality of vision and mission statements	X		
2	Availability of long term and short-term goals with clear action plans for implementation	X		
3	Evidence of procedures for framing POs, PSOs and their adequacy		X	
4	Evidence of attainment of POs, PSOs against set targets			X
5	Evidence of framing of COs and their attainment against set targets			X
6	Evidence for use of ICT in teaching learning process		X	
7	Evidence for student centric learning			X
8	Quality of CIE and SEE question papers		X	
9	Quality of laboratory experiments		X	
10	Faculty profile and the adequacy of faculty members as per the norms of AICTE		X	
11	Number of faculty members with PhD from universities other than Kerala and abroad		X	
12	Quality of Faculty Publications			X
13	Adequacy of faculty training programmes (FDP/STTP)			X
14	Adequacy of Number of conferences and workshops attended by the faculty members			X
15	Adequacy of number of workshops / FDPs/conferences conducted by the department			X
16	Students progression without backlog in any semester		X	
17	Students completing the programmes in the stipulated time		X	
18	Quality of student projects		X	
19	Quality of student internships			X
20	Number of students placed and their median salary			X
21	Number of students clearing NET/UPSC/CAT EXAMS			X
22	Number of students pursuing start-ups			X
23	Adequacy of space for laboratories	X		

24	Adequacy of modern equipment in the laboratories	X		
25	Adequacy of non-teaching staff for laboratories and their qualification		X	
26	Innovations by students towards societally relevant projects			X
27	Innovations by faculty members in teaching learning processes		X	
28	Adequacy of resources available in the department library		X	
29	Provision of seed money to teachers for research		X	
30	Student – Full time teacher ratio			X
31	Adequacy of Industrial visits arranged for students			X
32	Adequacy of guest/technical lectures arranged for students			X
33	Relevance of one credit courses/MOOC Courses			X
34	Learning beyond class room			X
35	**Evidence for research grants received from various agencies**		**X**	

Strengths, weaknesses, concerns / Recommendations

Good to see excellent faculty profile but more senior and middle level faculties would do better. Remarkable performance is noted on achieving/ towards achieving number of patents. More external funded projects may be encouraged to have research and extension activities. More Technical activities can be conducted including FDPs and STTPs. More number of students may be encouraged to take courses outside curriculum through open platforms and the course selection can be improved by considering the relevance and the more varied topics. The students may be encouraged to qualify for GATE and to do projects which are socially relevant.

Signature with Date	21-12-21	21/12/2021	21/12/2021
Name and Designation of the Auditor	Dr. K. S. Beena Professor & Dean Faculty of Engineering, Division of Civil Engineering, School of Engineering, Cochin University of Science and Technology, Kochi-682022	Dr. Gabriel Simon Thattil Professor & Head Department of Commerce University of Kerala Karyavattom, Trivandrum-695581	Dr. B. Vinod Professor & Head I/c Department of Robotics and Automation Engineering PSG College of Technology Coimbatore-641004
Signature of HOD with date and seal		Signature of Head of the institution with date and seal	30-12-21