



### Audit Evaluation Sheet for the Academic Year 2022-2023

Date of Audit : 10.11.2023

Auditors Name and Designation : Dr. S.Shanhi / Associate Professor  
 Dr.V.Anbumani / Associate Professor

Audited Department : Civil Engineering

S.No	Criteria (Max Mark)	Parameters	File Name	Formats	Max. Mark	Circle the score (0-Low score , 4- High score)					Weighted Average	Observations
1.	Curricular Aspects (150)	Curriculum Design and Development process	KEC/DEPT/CDC/ F01	CDC-01,02	40	0	1	2	3	4	3.8X40 =152	Knowledge level indicated in syllabus and CAT QP need to be matched
		Curriculum and syllabus – Planning and Implementation		CDC-03,04, 06		0	1	2	3	4		
		Dissemination of regulation, curriculum & Syllabus		CDC-05, 10		0	1	2	3	4		
		Minutes of BOS Meeting		CDC-08, 09		0	1	2	3	4		
		Revision in Elective courses		CDC-11		0	1	2	3	4		
		Value Added Courses – Organized and Participation of students	KEC/DEPT/NVA C/F01	NVC-01 to 06	30	0	1	2	3	4	4 X 30 =120	Satisfied 27 students involved out of 120 students
		Student involvement in field projects/internships	KEC/DEPT/PC/F01	PC-05		0	1	2	3	4		
		Feedback System on Curriculum - Alumni, Course End Survey, Employer, Faculty, Graduate Exit Survey, Parent	KEC/DEPT/CDC/ F01	CDC-07A, 07C, 07E, 07F, 07G, 07P	40	0	1	2	3	4	4 X 40 = 160	Satisfactory
		Mapping of Course Outcomes and Programme Outcomes	KEC/DEPT/CDC/ F01	CDC-03,04, 06	40	0	1	2	3	4	2.75 X 40 =110	
		Allotting courses to faculty based on expertise	KEC/DEPT/TTI/F 01	TTI- 01,02,ACO-02		0	1	2	3	4		

		for theory/practical/project										
2. Teaching –Learning Process (300)		Student Enrolment & Improvement in Student Quality	KEC/DEPT/HOD/ F01	HOD-03	20	0	1	2	(3)	4	3.5 X 20 =70	64.16 Ratio 1:20
		Student Teacher Ratio, Cadre Ratio & Adjunct Faculty		HOD-04		0	1	2	3	(4)		
		Structured Course Plan	KEC/DEPT/CCT/	CCO-01	100	0	1	2	3	(4)	3.6 X 100 =360	Curse File Verified 20CET61 – DSS 20CSC51 – Environmental Engg. GTE – II Yr – ODD sem 20CEL41- Even sem
		Course Coordination Meeting		CCO-02		0	1	2	3	(4)		
		Course Delivery Methods – Use of ICT tools		Course File		0	1	2	3	(4)		
		Continuous Assessment (CA) Test Question Paper standards	KEC/DEPT/CCT/	TCO-05		0	1	2	(3)	4		QP review comments not incorporated in final QP
		Conduct of Continuous Assessment Tests		KEC/DEPT/TCO/ F01		0	1	2	(3)	4		
		Remedial Measures for Slow Learners	KEC/DEPT/CCT/	Course File		0	1	2	(3)	4		Effectiveness of the remedial class may be done
		Adequate number of Assignments and Tutorials		Course File		0	1	2	3	(4)		
		Laboratory Plan	KEC/DEPT/CCL/	LT-01,LT09		0	1	2	3	(4)		
		Quality of Laboratory Manual		Course File		0	1	2	(3)	4		
		Project Work Review Schedule	KEC/DEPT/CCP/	PR-01,02 (Project file)		0	1	2	3	(4)		
		Evaluation of CA Test papers		Course File		0	1	2	3	(4)	3.75 X 50 =187.5	
		Evaluation of Assignments/Tutorials		Course File		0	1	2	3	(4)		
		Evaluating experiments – Rubrics/Periodically	KEC/DEPT/CCL/	Lab Manual		0	1	2	(3)	4		
		Evaluation of Projects through Review – Rubrics followed		Project file		0	1	2	3	(4)		
		Continuous Assessment Test – Analysis	KEC/DEPT/CLA/ F01	CLA03XL-1 CLA04XL-2	80	0	1	2	3	(4)	3.6 X 80 =288	
		End Semester Result Analysis		CLA04XL1,2		0	1	2	3	(4)		
		Course Outcomes and Programme Outcomes Analysis – Direct & Indirect Assessments & Action Taken	KEC/DEPT/POM/ F01	POM-01 to 05		0	1	2	(3)	4		
		Quality of Project Reports		KEC/DEPT/CCP/		0	1	2	3	(4)		

		PAC and QIC formulation and Meeting minutes	KEC/DEPT/HOD/F01	HOD-09 to 12		0	1	2	3	4		
		Student Feedback on Course and Teacher	KEC/DEPT/IQI/F01	Feedback form and Action Taken	50	0	1	2	3	4	4 X 50 =200	
		Course Monitoring Committee Meeting		CMC-01 to 04		0	1	2	3	4		
3. Research, Innovation and Extension (150)	Seed money Proposals (student funding through IIC may be consider) Submission of Project Proposals Research Grants received Conference / seminar / workshop/FDP/STTP proposals submitted Conference / seminar / workshop/FDP/SSTP organized	Proof	KEC/DEPT/RC/F01	20	0	1	2	3	4	2 X 20 =40	8 R&D, 2 seminar proposal Grant received for Rs. 3.24Laks	
					0	1	2	3	4			
					0	1	2	3	4			
					0	1	2	3	4			
					0	1	2	3	4			
	Promotion of Start-ups	Proof	KEC/DEPT/RC/F01	20	0	1	2	3	4	2.5 X 20 =50		
					0	1	2	3	4			
	Paper presentation by students	Proof and consolidate list (SAP-XL)	KEC/DEPT/RC/F01	10	0	1	2	3	4	0	Consolidated list may be maintained 19 projects are converted into papers in 2022 batch	
					0	1	2	3	4			
	Conversion of student projects into paper	RC-03	KEC/DEPT/RC/F01	50	0	1	2	3	4	3.66 X 50 =183.33	Publication in SCI – 41, Scopus-31 & Others -2	
					0	1	2	3	4			
	Quality Publications by faculty	RC-02	KEC/DEPT/RC/F01	50	0	1	2	3	4	Patent – 5 Granted; 1 – Applied	received 4 Awards	
					0	1	2	3	4			
	Books/Book chapters/Conference proceedings	RC-04	KEC/DEPT/RC/F01	50	0	1	2	3	4	4 X 20 =80	30 Nos.	
					0	1	2	3	4			
	Patents filed/published/granted	RC-04	KEC/DEPT/RC/F01	50	0	1	2	3	4	4 X 20 =80	30 Nos.	
					0	1	2	3	4			
	Awards for Innovation won by Teachers/Research scholars/ Clubs	ASA-05	KEC/DEPT/FST/F01	20	0	1	2	3	4	4 X 20 =80	30 Nos.	
					0	1	2	3	4			
	Faculty as Resource persons	Proof	KEC/DEPT/FST/F01	20	0	1	2	3	4	4 X 20 =80	30 Nos.	
					0	1	2	3	4			
	Professional development/administrative training programmes organized details	FST-07	KEC/DEPT/FST/F01	20	0	1	2	3	4	4 X 20 =80	30 Nos.	
					0	1	2	3	4			
	Industrial	KEC/DEPT/IIPC/	IIPC-01,02,03									

		Consultancy/Testing Works	01		IIPC-04	20	0	1	2	3	4	3.25 X20 =65	None of the student of 2023 batch went for In-plant training. 32 students went for internship		
		Corporate Training (IIPC/Other Grants)		IIPC-04			0	1	2	3	4				
		Association activities / Clubs/Professional Societies	KEC/DEPT/ASA/F01	ASA-01 to 04			0	1	2	3	4				
		In plant Training/Internship	KEC/DEPT/IPC/F01	IPC-01 to 04,PC-05			0	1	2	3	4				
		MoUs signed and activities	KEC/DEPT/IIPC/F01	IIPC-05			0	1	2	3	4				
		Industrial visits arranged for students	KEC/DEPT/IPC/F01	IV-01 to IV-03			0	1	2	3	4				
		One Faculty- One Industry Progress	KEC/DEPT/RC/F01	IIPC-06			0	1	2	3	4				
		Faculty interaction with industries and monitoring	KEC/DEPT/IIPC/F01	IIPC-01,07,08		10	0	1	2	3	4	4 X 10 =40			
4.	Infrastructure and Learning Resources (100)	Physical facilities – Classrooms, Faculty cabin, seminar hall, Projectors, Printers, etc.	KEC/DEPT/FMM/F01	FMM-01 to 04			0	1	2	3	4	3.75 X 30 =112.5	Laboratory rubrics format need improvement		
		Laboratory Maintenance Records/Registers	KEC/DEPT/Lab	LT-02 to 08			0	1	2	3	4				
		Equipment working conditions/Calibration					0	1	2	3	4				
		Latest/Research Level equipments – Availability and Utilization					0	1	2	3	4				
		Utilization of budget	KEC/DEPT/HOD/F01, KEC/DEPT/DBC/F01	HOD-06 DBC-01 to 05	20		0	1	2	3	4	4 X 20 =80			
		Department Library – Maintenance and utilization	KEC/DEPT/Lab	Records			0	1	2	3	4	4 X 20 =80			
		Computing Facilities - Maintenance and utilization	KEC/DEPT/Lab	Records	30		0	1	2	3	4	4 X 30 =120			
		E-content development – Videos developed	KEC/DEPT/Lab	Records			0	1	2	3	4				
5.	Student Support and Progression (100)	Placement details and training plan for Skill Development	KEC/DEPT/PC/F01	PC-01 to 04	30		0	1	2	3	4	4 X 30 =120			
		Awareness programmes on Higher Education	KEC/DEPT/HEC/F01	HEC-01 to 03			0	1	2	3	4				
		Student participation and success in competitive examinations	KEC/DEPT/HEC/F01	HEC-04	40		0	1	2	3	4	3.66X40 =146.66	Two students cleared TANCET; 8 joined higher studies		

		Percentage of students placed (Improvement over 3 years)	EC/DEPT/PC/F01	PC-06,07		0	1	2	3	4		60 students placed out of 137
		Percentage of students joined higher education	KEC/DEPT/HEC/ F01	HEC-05		0	1	2	3	4		
		Student's participation in Co/Extra-curricular activities (Cultural, Sports, etc.)	KEC/DEPT/SAP/ F01	SAP-01 to 04, SAP-XL	20	0	1	2	3	4	3 X 20 =60	Need to maintain consolidated list
		Student achievements and awards		Proof								
		Alumni Visits, Meetings and Guest Lectures	KEC/DEPT/ALC/ F01	ALC-01 to 05	10	0	1	2	3	4	4 X 10=40	
6.	Governan ce, Leadershi p and Managem ent (100)	SWOT Analysis – Review Meeting	KEC/DEPT/HOD/ F01	HOD-02	20	0	1	2	3	4	3.5 X 20 =70	Review meeting need to be conducted
		Academic Audit –Action Taken	KEC/DEPT/IQAC /F01	IQI-01, 02,04, QP-00		0	1	2	3	4		
		Strategic Development – Centre of Excellence, Collaboration with Foreign Universities, New Courses	KEC/DEPT/HOD/ F01	HOD-02	20	0	1	2	3	4	3 X 20 =60	COE is available
		Faculty Training – FDP/NPTEL/Industry	KEC/DEPT/FST/F 01	FST-01,03, 04	20	0	1	2	3	4	3 X 20 =60	Enough faculty members attended FDP but no registration in NPTEL
		Faculty Qualification Improvement & Retention		R& D Quarterly Report		0	1	2	3	4		
		Skill up-gradation training for Supporting Staff	KEC/DEPT/FST/F 01	FST-02	20	0	1	2	3	4	80	Satisfactory
		Day to Day Activities and Parents-Teachers Meeting	KEC/DEPT/PRM/ F01	PRO-01 to 04	20	0	1	2	3	4	80	Satisfactory
7.	Institution al Values and Best Practices (100)	Department Best Practices	File	Proof	30	0	1	2	3	4	90	A separate file may be maintained
		Contribution towards Institutional Values and Social Responsibilities	File	Proof	50	0	1	2	3	4	3.66 X 50 =183.33	
		Contribution towards Special programmes	File	Proof		0	1	2	3	4		
		Human values and Professional Ethics related activities	File	Proof		0	1	2	3	4		

		Contribution towards Institutional Distinctiveness	File	Proof	20	0	1	2	<u>3</u>	4	2 x20 =40	1 Publication in high impact factor journal Only 7 students completed NPTEL course
		Practices for Student Self learning	File	Proof		0	<u>1</u>	2	3	4		

S.No.	Criteria	Maximum Marks (1)	Weighted Average Marks (2)	Grade Point Average (2/1)	Major Remarks / Comments
1.	Curricular Aspects	150	542	3.61	Knowledge level indicated in syllabus and CAT QP need to be matched
2.	Teaching –Learning Process	300	1105.5	3.685	Remedial action, CO-PO attainment action taken need to be improved
3.	Research, Innovation and Extension	150	458.33	3.05	Submission of project and seminar proposals may be increased.
4.	Infrastructure and Learning Resources	100	392.5	3.925	--
5.	Student Support and Progression	100	326.66	3.267	Competitive examination clear cout may be improved
6.	Governance Leadership and Management	100	350	3.5	Registration in NPTEL may be increased
7.	Institutional Values and Best Practices	100	313.33	3.13	Separate file may be maintained. Self learning may be motivated among students
<b>Total</b>		1000		3.45	

Signature of Department Coordinators  
(with name)

Dr.T. Radheep M. Anus Kumar  
Asst. Prof. AP/Civil

1. S. Shanthi (Pr.S. SHANTHI  
CSE)  
16/11/23

2. V. M. Priya (Mechanical)  
Signature of Auditors  
(with name and dept.)

Head of the Department  
(with seal)

Dr. S. BALAJI  
Professor & Head  
Dept. of Civil Engg.  
Kongu Engineering College  
Thoppuppalayam (Po)  
Perundurai, Erode - 638 060.

Name of the Department: Civil

Date(s) of Audit: 10.11.2023

A. Strengths (Y) IIPC activities
B. Concerns (C) Faculty retention Student enrollment in UG programme
C. Weakness/Areas of improvement: (W) Submission of Project Proposals and seminar proposal need to be improved Promotion of Start-ups
D. Deficiencies: (D) Student participation in competitive examinations

Type of Conformities	Details of non-conformities	Objective Evidence	Cause Analysis
Major	Nil		
Minor	1. Knowledge level indicated in syllabus and CAT QP need to be matched	Syllabus & QP	knowledge level changed (due to unqual syllabus coverage)
Finding	1. Question paper scrutiny comments may be included in the QP 2. None of the student of 2023 batch went for In-plant training	Question paper before & after scrutiny As per quality plan	Will be rectified As implant training is not in the curriculum will be conducted in informed to concerned faculty
Observation	1. All the documents should be signed concern incharge & HoD	Course File, CMC	

1. S. A. U. S. A. (Dr. S. S. ANANTH / CSE)

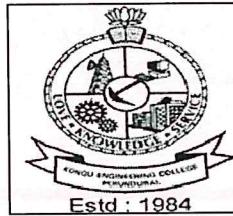
2. M. R. J. J. (V. Amburamany)

Auditors Name and Signature

IQAC Coordinator

Name and Signature

Dr. T. Pradeep  
AEP / CSEHOD  
HoD



**KONGU ENGINEERING COLLEGE  
(Autonomous)  
PERUNDURAI – 638060  
INTERNAL QUALITY ASSURANCE CELL**



**Action List including Opportunities for Improvement**

**Date: 16.11.23**

**Department: Civil**

**Nonconformities**

S.No.	Process	Findings	Results of Root Cause Analysis	Intended Corrections and Corrective Actions	Responsible Person	Due date
1	Teaching & Learning	Knowledge level indicated in syllabus and CAT QP need to be matched	Knowledge level changed due to unequal syllabus coverage	The importance of maintaining the Knowledge level is explained to faculty members & Informed to Question paper Scrutiny committee.	Individual Faculty	Next Exams

**Observations (Opportunities for improvement)**

S.No.	Process	Findings	Action	Responsible	Date
1.	T&L	Question paper scrutiny comments may be included in the QP.	Concerned Test Coordinator is instructed to be more vigilant while processing QPs	Test Coordinators and Individuals	Next Exams
2.	T&L	None of the student of 2023 batch went for In-Plant Training	As in-plant training is not in the curriculum and will be considered in future.	Class advisors	-
3.	-	All the documents should be signed concern in-charge HoD	Instructed to get sign in all documents	Individual Faculty.	-

*(S. SHANTH / ASP / CSE)*  
Signature of Auditor  
*(Dr. T. Pradeep)*  
(Name with Designation & Dept.)  
*(C. gmbvms)*

*(Dr. T. Pradeep)*  
Auditee Dept. Coordinator  
*(Dr. T. Pradeep)*  
AeD / Civil

*(Dr. T. Pradeep)*  
Auditee Dept. HOD  
*(Dr. T. Pradeep)*  
M.A./B.Tech



Estd : 1984

NGU ENGINEERING COLLEGE  
(Autonomous)  
PERUNDURAI ERODE - 638 060

Internal Quality Assurance Cell (IQAC)

Academic Audit  
Revision -2  
01-01-2023

IQAC  
Office

### Audit Evaluation Sheet for the Academic Year 2022-2023

Auditors Name and Designation

1. Dr.P. Natesan and professor  
2. Ms.D. Sathya and Assistant professor  
Mechanical engineering

Date of Audit : 7/11/2023.

Audited Department

S.No	Criteria (Max Mark)	Parameters	File Name	Formats	Max. Mark	Circle the score (0-Low score , 4- High score)					Weighted Average	Observations
1.	Curricular Aspects (150)	Curriculum Design and Development process	KEC/DEPT/CDC/F01	CDC-01,02	40	0	1	2	3	4	152	New Courses are introduced
		Curriculum and syllabus – Planning and Implementation		CDC-03,04, 06		0	1	2	3	4		
		Dissemination of regulation, curriculum & Syllabus		CDC-05, 10		0	1	2	3	4		
		Minutes of BOS Meeting		CDC-08, 09		0	1	2	3	4		
		Revision in Elective courses		CDC-11		0	1	2	3	4		
		Value Added Courses – Organized and Participation of students	KEC/DEPT/NVA C/F01	NVC-01 to 06	30	0	1	2	3	4	120	Industry supported Courses are introduced
		Student involvement in field projects/internships		PC-05		0	1	2	3	4		
		Feedback System on Curriculum - Alumni, Course End Survey, Employer, Faculty, Graduate Exit Survey, Parent	KEC/DEPT/CDC/F01	CDC-07A, 07C, 07E, 07F, 07G, 07P	40	0	1	2	3	4	160	Suggestions are incorporated .
		Mapping of Course Outcomes and Programme Outcomes	KEC/DEPT/CDC/F01	CDC-03,04, 06	40	0	1	2	3	4	146.67	Based on Sem'11 metn'g, allotment of courses are followed .
		Allotting courses to faculty based on expertise	KEC/DEPT/TTI/F01	TTI-01,02,ACO-02		0	1	2	3	4		
		Allotment of adequate number of hours in time table for theory/practical/project		TTI-03 to 06, HOD-07		0	1	2	3	4		

2. Teaching -Learning Process (300)	Student Enrolment & Improvement in Student Quality	KEC/DEPT/HOD/F01	HOD-03	20	0	1	2	(3)	4	70	SPP maintained as per AICTE norms
	Student Teacher Ratio, Cadre Ratio & Adjunct Faculty		HOD-04		0	1	2	3	(4)		
	Structured Course Plan	KEC/DEPT/CCT/	CCO-01	100	0	1	2	3	(4)	370	ICT Tools are used and e-content are uploaded in website.
	Course Coordination Meeting		CCO-02		0	1	2	(3)	4		
	Course Delivery Methods – Use of ICT tools		Course File		0	1	2	3	(4)		
	Continuous Assessment (CA) Test Question Paper standards	KEC/DEPT/CCT/	TCO-05	100	0	1	2	3	(4)	370	
	Conduct of Continuous Assessment Tests	KEC/DEPT/TCO/F01	TCO-01 to 04, 06,07		0	1	2	3	(4)		
	Remedial Measures for Slow Learners	KEC/DEPT/CCT/	Course File		0	1	2	3	(4)		
	Adequate number of Assignments and Tutorials	KEC/DEPT/CCT/	Course File		0	1	2	3	(4)		
	Laboratory Plan	KEC/DEPT/CCL/	LT-01,LT09		0	1	2	3	(4)		
	Quality of Laboratory Manual		Course File		0	1	2	(3)	4		
	Project Work Review Schedule	KEC/DEPT/CCP/	PR-01,02 (Project file)		0	1	2	(3)	4		
	Evaluation of CA Test papers	KEC/DEPT/CCT/	Course File	50	0	1	2	3	(4)	187.5	
	Evaluation of Assignments/Tutorials		Course File		0	1	2	(3)	4		
	Evaluating experiments – Rubrics/Periodically	KEC/DEPT/CCL/	Lab Manual		0	1	2	3	(4)		
	Evaluation of Projects through Review – Rubrics followed	KEC/DEPT/CCP/	Project file		0	1	2	3	(4)		
	Continuous Assessment Test – Analysis	KEC/DEPT/CLA/F01	CLA03XL-1 CLA04XL-2		0	1	2	(3)	4		
	End Semester Result Analysis		CLA04XL1,2		0	1	2	3	(4)		
	Course Outcomes and Programme Outcomes Analysis – Direct & Indirect Assessments & Action Taken	KEC/DEPT/POM/F01	POM-01 to 05	80	0	1	2	3	(4)	304	
	Quality of Project Reports	KEC/DEPT/CCP/	Sample reports	0	1	2	3	(4)			
	PAC and QIC formulation and Meeting minutes	KEC/DEPT/HOD/F01	HOD-09 to 12	0	1	2	3	(4)			

		Student Feedback on Course and Teacher	KEC/DEPT/IQI/F01	Feedback form and Action Taken	50	0	1	2	3	4	LT5	feedback on Course and Teacher checked.
		Course Monitoring Committee Meeting		CMC-01 to 04		0	1	2	3	4		
3.	Research, Innovation and Extension (150)	Seed money Proposals (student funding through IIC may be consider)	KEC/DEPT/RC/F01	Proof	20	0	1	2	3	4	66.67	Less number of proposals submitted.
		Submission of Project Proposals		RC-01		0	1	2	3	4		
		Research Grants received		Proof	20	0	1	2	3	4		
		Conference / seminar / workshop/FDP/STTP proposals submitted		RC-01		0	1	2	3	4		
		Conference / seminar / workshop/FDP/SSTP organized		Proof		0	1	2	3	4		
		Promotion of Start-ups	KEC/DEPT/HEC/F01	EMC-01 to 05	10	0	1	2	3	4	20	Verified.
		Paper presentation by students	KEC/DEPT/SAP/F01	Proof and consolidate list (SAP-XL)	50	0	1	2	3	4	250	Good number of student publications and participation in outside events are good.
		Conversion of student projects into paper		RC-03		0	1	2	3	4		
		Quality Publications by faculty		RC-02		0	1	2	3	4		
		Books/Book chapters/Conference proceedings		RC-04		0	1	2	3	4		
		Patents filed/published/granted		RC-04		0	1	2	3	4		
		Awards for Innovation won by Teachers/Research scholars/ Clubs	KEC/DEPT/FST/F01	ASA-05	20	0	1	2	3	4	60	Verified the documents.
		Faculty as Resource persons		Proof		0	1	2	3	4		
		Professional development/administrative training programmes organized details		FST-07		0	1	2	3	4		
		Industrial Consultancy/Testing Works	KEC/DEPT/IIPC/F01	IIPC-01,02,03		0	1	2	3	4		
		Corporate Training (IIPC/Other Grants)		IIPC-04		0	1	2	3	4		

		Association activities / Clubs/Professional Societies	KEC/DEPT/ASA/F01	ASA-01 to 04	20	0	1	2	3	4	75	More activities are verified and IV files also reviewed	
		In plant Training/Internship	KEC/DEPT/IPC/F01	IPC-01 to 04,PC-05		0	1	2	3	4			
		MoUs signed and activities	KEC/DEPT/IIPC/F01	IIPC-05		0	1	2	3	4			
		Industrial visits arranged for students	KEC/DEPT/IPC/F01	IV-01 to IV-03		0	1	2	3	4			
4.	Infrastructure and Learning Resources (100)	One Faculty- One Industry Progress	KEC/DEPT/RC/F01	IIPC-06	10	0	1	2	3	4	30	More industries visited.	
		Faculty interaction with industries and monitoring	KEC/DEPT/IIPC/F01	IIPC-01,07,08		0	1	2	3	4			
4.	Infrastructure and Learning Resources (100)	Physical facilities – Classrooms, Faculty cabin, seminar hall, Projectors, Printers, etc.	KEC/DEPT/FMM/F01	FMM-01 to 04	30	0	1	2	3	4	120	Good Infra structure - MATLAB updated	
		Laboratory Maintenance Records/Registers	KEC/DEPT/Lab	LT-02 to 08		0	1	2	3	4			
		Equipment working conditions/Calibration				0	1	2	3	4			
		Latest/Research Level equipments – Availability and Utilization				0	1	2	3	4			
		Utilization of budget	KEC/DEPT/HOD/F01, KEC/DEPT/DBC/F01	HOD-06 DBC-01 to 05	20	0	1	2	3	4	60	Utilization of budget is adequate	
		Department Library – Maintenance and utilization	KEC/DEPT/Lab	Records	20	0	1	2	3	4	80	Well maintained	
		Computing Facilities - Maintenance and utilization	KEC/DEPT/Lab	Records	30	0	1	2	3	4	120	Good computing and networking facilities	
		E-content development – Videos developed	KEC/DEPT/Lab	Records		0	1	2	3	4			
5.	Student Support and Progression (100)	Placement details and training plan for Skill Development	KEC/DEPT/PC/F01	PC-01 to 04	30	0	1	2	3	4	105	Good placement record.	
		Awareness programmes on Higher Education	KEC/DEPT/HEC/F01	HEC-01 to 03		0	1	2	3	4			
		Student participation and success in competitive examinations	KEC/DEPT/HEC/F01	HEC-04	40	0	1	2	3	4	1333	Good progress of placement in last three years except in core complain	
		Percentage of students placed (Improvement over 3 years)	KEC/DEPT/PC/F01	PC-06,07		0	1	2	3	4			

		Percentage of students joined higher education	KEC/DEPT/HEC/F01	HEC-05		0	1	2	3	4		
		Student's participation in Co/Extra-curricular activities (Cultural, Sports, etc.)	KEC/DEPT/SAP/F01	SAP-01 to 04, SAP-XL	20	0	1	2	3	4	80	Outside participation is Excellent
		Student achievements and awards		Proof								
		Alumni Visits, Meetings and Guest Lectures	KEC/DEPT/ALC/F01	ALC-01 to 05	10	0	1	2	3	4	40	Guest Lecture & Mentorship done
6.	Governance, Leadership and Management (100)	SWOT Analysis – Review Meeting	KEC/DEPT/HOD/F01	HOD-02	20	0	1	2	3	4		-
		Academic Audit –Action Taken	KEC/DEPT/IQAC/F01	IQI-01, 02,04, QP-00		0	1	2	3	4	80	-
		Strategic Development – Centre of Excellence, Collaboration with Foreign Universities, New Courses	KEC/DEPT/HOD/F01	HOD-02	20	0	1	2	3	4	80	More activities in CoE conducted.
		Faculty Training – FDP/NPTEL/Industry	KEC/DEPT/FST/F01	FST-01,03, 04	20	0	1	2	3	4		NPTEL courses are attended.
		Faculty Qualification Improvement & Retention		R& D Quarterly Report		0	1	2	3	4	80	
		Skill up-gradation training for Supporting Staff	KEC/DEPT/FST/F01	FST-02	20	0	1	2	3	4	60	Not adequate.
		Day to Day Activities and Parents-Teachers Meeting	KEC/DEPT/PRM/F01	PRO-01 to 04	20	0	1	2	3	4	80	PTM conducted
7.	Institutional Values and Best Practices (100)	Department Best Practices	File	Proof	30	0	1	2	3	4	120	verified
		Contribution towards Institutional Values and Social Responsibilities	File	Proof	50	0	1	2	3	4		All activities are verified.
		Contribution towards Special programmes	File	Proof		0	1	2	3	4		
		Human values and Professional Ethics related activities	File	Proof	20	0	1	2	3	4		-
		Contribution towards Institutional Distinctiveness	File	Proof		0	1	2	3	4	80	
		Practices for Student Self learning	File	Proof		0	1	2	3	4		

S.No.	Criteria	Maximum Marks (1)	Weighted Average Marks (2)	Grade Point Average (2/1)	Major Remarks / Comments
1.	Curricular Aspects	150	578.67	3.86	New Courses are introduced
2.	Teaching –Learning Process	300	1106.50	3.69	ICT Tools and OBE activities are conducted
3.	Research, Innovation and Extension	150	481.67	3.21	Proposed Submissions not adequate.
4.	Infrastructure and Learning Resources	100	380.00	3.80	Good Infrastructure available
5.	Student Support and Progression	100	358.50	3.59	Students participation are good
6.	Governance Leadership and Management	100	380.00	3.80	-
7.	Institutional Values and Best Practices	100	366.70	3.67	-
Total		1000	3652.54	3.65	-

  
15/11/2023  
Signature of Department Coordinators  
(with name)

Dr. T. P. Sathiyakumar.

P. Neeraj (Anand)

Signature of Auditors  
(with name and dept.)

  
16/11/23  
[D. SATHYA, AP/AI]

  
16/11/23

Head of the Department  
(with seal)  
**Dr. P. SELVAKUMAR**  
Associate Professor & Head  
Dept. of Mechanical Engg.  
Kongu Engineering College  
Thoppuppalayam (Po)  
Perundurai, Erode - 638 060

**KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE-638060**

(Autonomous)

**INTERNAL QUALITY ASSURANCE CELL (IQAC)**

**ACADEMIC AUDIT 2022-2023 - ANALYSIS REPORT**

*IQAC  
Office*

**Name of the Department : Mechanical Engineering**

**Date(s) of Audit: 07.11.2023**

A. Strengths (Y)
1. Good number of Faculty publication
2. More number of project work is published in the journal
3. Student participation in co and extracurricular activities are higher.
B. Concerns (C)
1. Pass percentage of Continuous assessment test is less.
2. Seed money project is less.
C. Areas of improvement: (W)
1. Submission of Funding proposal is not adequate.
2. Funding FDP/seminar is not organized.
D. Deficiencies: (D)
--

Type of Conformities	Details of non-conformities	Objective Evidence	Cause Analysis
Major	--	--	--
Minor	R&D proposal submission	Less Funding opportunity	Faculty are advised to submit quality project proposal.
Finding	Academic schedule is not followed for the project review	Project review was conducted within one month duration. (18MEP81 project work Phase II)	Due to placement training, the project work review schedule was changed.
Observation	Continuous assessment test results were discussed but not reported in CCC meeting minutes.	20MEL31 and Fluid Mechanics and Hydraulic Machines	Faculty are advised to include the CAT pass percentage in CCC meeting minutes.

*P. Nelson (P.MTESN)*

*(Grlm)*

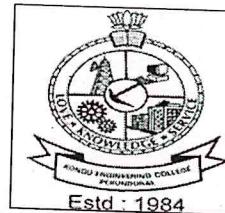
*Sathy [D.SATHYA,  
[61113 AP/A1]*

**Auditors**

Name and Signature

*JSS  
16/11/12*  
**IQAC Coordinator**  
Name and Signature  
*(Dr.T.P.Sathishkumar)*

*P.L [6/11/21-  
HOD / Mect  
P-SECURKUMAR*



Action List including Opportunities for Improvement



Department: Mechanical Engineering

Date: 15.2.2024

Nonconformities

S. No.	Process	Findings	Results of Root Cause Analysis	Intended Corrections and Corrective Actions	Responsible Person	Due date
1	Curriculum Aspects	Skill up-gradation training for supporting staff is less	Training opportunity is less	Supporting staffs are advised to take training programme	Dr.A.Mohankumar	May 2024
2	Teaching Learning process	Continuous assessment test results were not reported in CCC meeting minutes	CAT mark discussed were not included in CCC meeting minutes	Faculty are advised to include the CAT mark results in CCC meeting minutes	All faculty	Continue

Observations (Opportunities for improvement)

S. No.	Process	Findings	Action	Responsible	Date
1	Research & Development	R&D proposal submission	Faculty are advised to submit quality project proposal	Mr.A.Ganesh	May 2024
2	Teaching Learing process	Publication of Project Work is less	Faculty are work on student project into publication.	All faculty	May 2024
3.	Curricular Aspects	One / two credit course/ Value added courses conducted was moderate.	Faculty are advised to take one, two or value added courses.	Mr.M.Dharamaraj	May 2024
4.	Budget	Sanctioned and utilized are less	Laboratory Incharges are advised to utilize the sanction budget for development.	Laboratory Incharges	May 2024

D. Nelson Sathyam  
Signature of Auditor  
(Name with Designation & Dept.)  
(Dr. M. Sathya) [D. SATHYA, AP/AT]

15/2/24  
Auditee Dept. Coordinator

15/2/24  
Auditee Dept. HOD



### Audit Evaluation Sheet for the Academic Year 2022-2023

Date of Audit : 08.11.2023

Auditors Name and Designation : 1. Dr. T.P. Sethukumar & Associate professor  
2. Dr. C. Gomadurai, Associate Professor/Chemical

Audited Department : ECE

S.No .	Criteria (Max Mark)	Parameters	File Name	Formats	Max. Mark	Circle the score (0-Low score , 4- High score)					Weighted Average	Observations
1.	Curricular Aspects (150)	Curriculum Design and Development process	KEC/DEPT/CDC/ F01	CDC-01,02	40	0	1	2	3	4	160	well structured curriculum process
		Curriculum and syllabus – Planning and Implementation		CDC-03,04, 06		0	1	2	3	4		
		Dissemination of regulation, curriculum & Syllabus		CDC-05, 10		0	1	2	3	4		
		Minutes of BOS Meeting		CDC-08, 09		0	1	2	3	4		
		Revision in Elective courses		CDC-11		0	1	2	3	4		
		Value Added Courses – Organized and Participation of students	KEC/DEPT/NVA C/F01	NVC-01 to 06	30	0	1	2	3	4	120	Adequate
		Student involvement in field projects/internships	KEC/DEPT/PC/F01	PC-05		0	1	2	3	4		
		Feedback System on Curriculum - Alumni, Course End Survey, Employer, Faculty, Graduate Exit Survey, Parent	KEC/DEPT/CDC/ F01	CDC-07A, 07C, 07E, 07F, 07G, 07P	40	0	1	2	3	4	160	Implemented
		Mapping of Course Outcomes and Programme Outcomes	KEC/DEPT/CDC/ F01	CDC-03,04, 06	40	0	1	2	3	4	160	Completed
		Allotting courses to faculty based on expertise	KEC/DEPT/TTI/F 01	TTI-01,02,ACO-02		0	1	2	3	4		
		Allotment of adequate number of hours in time table for theory/practical/project		TTI-03 to 06, HOD-07		0	1	2	3	4		

2.	Teaching -Learning Process (300)	Student Enrolment & Improvement in Student Quality	KEC/DEPT/HOD/F01	HOD-03	20	0	1	2	3	4	80	Good
		Student Teacher Ratio, Cadre Ratio & Adjunct Faculty		HOD-04		0	1	2	3	4		
		Structured Course Plan	KEC/DEPT/CCT/	CCO-01	100	0	1	2	3	4	390	ADC - 6 Control Engg - 4 EMF - 3 verified.
		Course Coordination Meeting		CCO-02		0	1	2	3	4		
		Course Delivery Methods – Use of ICT tools		Course File		0	1	2	3	4		
		Continuous Assessment (CA) Test Question Paper standards	KEC/DEPT/CCT/	TCO-05		0	1	2	3	4		
		Conduct of Continuous Assessment Tests	KEC/DEPT/TCO/F01	TCO-01 to 04, 06,07		0	1	2	3	4		
		Remedial Measures for Slow Learners	KEC/DEPT/CCT/	Course File		0	1	2	3	4		
		Adequate number of Assignments and Tutorials	KEC/DEPT/CCT/	Course File		0	1	2	3	4		
		Laboratory Plan	KEC/DEPT/CCL/	LT-01,LT09		0	1	2	3	4	175	Implemented.
		Quality of Laboratory Manual		Course File		0	1	2	3	4		
		Project Work Review Schedule	KEC/DEPT/CCP/	PR-01,02 (Project file)		0	1	2	3	4		
		Evaluation of CA Test papers	KEC/DEPT/CCT/	Course File		0	1	2	3	4		
		Evaluation of Assignments/Tutorials		Course File		0	1	2	3	4		
		Evaluating experiments – Rubrics/Periodically	KEC/DEPT/CCL/	Lab Manual	50	0	1	2	3	4		
		Evaluation of Projects through Review – Rubrics followed	KEC/DEPT/CCP/	Project file		0	1	2	3	4		
		Continuous Assessment Test – Analysis	KEC/DEPT/CLA/F01	CLA03XL-1 CLA04XL-2		0	1	2	3	4	288	verified.
		End Semester Result Analysis		CLA04XL1,2		0	1	2	3	4		
		Course Outcomes and Programme Outcomes Analysis – Direct & Indirect Assessments & Action Taken	KEC/DEPT/POM/F01	POM-01 to 05		0	1	2	3	4		
		Quality of Project Reports	KEC/DEPT/CCP/	Sample reports		0	1	2	3	4		
		PAC and QIC formulation and Meeting minutes	KEC/DEPT/HOD/F01	HOD-09 to 12		0	1	2	3	4		

		Student Feedback on Course and Teacher	KEC/DEPT/IQI/F01	Feedback form and Action Taken	50	0	1	2	3	4	200	
		Course Monitoring Committee Meeting		CMC-01 to 04		0	1	2	3	4		
3. Research, Innovation and Extension (150)		Seed money Proposals (student funding through IIC may be consider)	KEC/DEPT/RC/F01	Proof	20	0	1	2	3	4	73.3	
		Submission of Project Proposals		RC-01		0	1	2	3	4		
		Research Grants received		Proof		0	1	2	3	4		
		Conference / seminar / workshop/FDP/STTP proposals submitted		RC-01	20	0	1	2	3	4	80	
		Conference / seminar / workshop/FDP/SSTP organized		Proof		0	1	2	3	4		
		Promotion of Start-ups	KEC/DEPT/HEC/F01	EMC-01 to 05	10	0	1	2	3	4	20	
		Paper presentation by students	KEC/DEPT/RC/F01	Proof and consolidate list (SAP-XL)	50	0	1	2	3	4	150	
		Conversion of student projects into paper		RC-03		0	1	2	3	4		
		Quality Publications by faculty		RC-02		0	1	2	3	4		
		Books/Book chapters/Conference proceedings		RC-04		0	1	2	3	4		
		Patents filed/published/granted		RC-04		0	1	2	3	4		
		Awards for Innovation won by Teachers/Research scholars/ Clubs	KEC/DEPT/FST/F01	ASA-05		0	1	2	3	4		
		Faculty as Resource persons		Proof	20	0	1	2	3	4	46.7	
		Professional development/administrative training programmes organized details		FST-07		0	1	2	3	4		
		Industrial Consultancy/Testing Works	KEC/DEPT/IIPC/F01	IIPC-01,02,03		0	1	2	3	4		
		Corporate Training (IIPC/Other Grants)		IIPC-04		0	1	2	3	4		

		Association activities / Clubs/Professional Societies	KEC/DEPT/ASA/F01	ASA-01 to 04	20	0	1	2	3	4	80	Good.	
		In plant Training/Internship	KEC/DEPT/IPC/F01	IPC-01 to 04,PC-05		0	1	2	3	4			
		MoUs signed and activities	KEC/DEPT/IIPC/F01	IIPC-05		0	1	2	3	4			
		Industrial visits arranged for students	KEC/DEPT/IPC/F01	IV-01 to IV-03		0	1	2	3	4			
	4.	One Faculty- One Industry Progress	KEC/DEPT/RC/F01	IIPC-06	10	0	1	2	3	4	40	verified.	
		Faculty interaction with industries and monitoring	KEC/DEPT/IIPC/F01	IIPC-01,07,08		0	1	2	3	4			
	4.	Physical facilities – Classrooms, Faculty cabin, seminar hall, Projectors, Printers, etc.	KEC/DEPT/FMM/01	FMM-01 to 04	30	0	1	2	3	4	112.5	verified.	
		Laboratory Maintenance Records/Registers	KEC/DEPT/Lab	LT-02 to 08		0	1	2	3	4			
		Equipment working conditions/Calibration				0	1	2	3	4			
		Latest/Research Level equipments – Availability and Utilization				0	1	2	3	4			
		Utilization of budget	KEC/DEPT/HOD/F01, KEC/DEPT/DBC/F01	HOD-06 DBC-01 to 05	20	0	1	2	3	4	80		
		Department Library – Maintenance and utilization	KEC/DEPT/Lab	Records	20	0	1	2	3	4	80		
		Computing Facilities - Maintenance and utilization	KEC/DEPT/Lab	Records	30	0	1	2	3	4	120		
		E-content development – Videos developed	KEC/DEPT/Lab	Records		0	1	2	3	4			
	5.	Placement details and training plan for Skill Development	KEC/DEPT/PC/F01	PC-01 to 04	30	0	1	2	3	4	105	Needs improvement	
		Awareness programmes on Higher Education	KEC/DEPT/HEC/F01	HEC-01 to 03		0	1	2	3	4			
		Student participation and success in competitive examinations	KEC/DEPT/HEC/F01	HEC-04	40	0	1	2	3	4	120	Needs improvement	
		Percentage of students placed (Improvement over 3 years)	KEC/DEPT/PC/F01	PC-06,07		0	1	2	3	4			

		Percentage of students joined higher education	KEC/DEPT/HEC/F01	HEC-05		0	1	2	(3)	4		
		Student's participation in Co/Extra-curricular activities (Cultural, Sports, etc.)	KEC/DEPT/SAP/F01	SAP-01 to 04, SAP-XL	20	0	1	2	3	(4)	80	Adequate
		Student achievements and awards		Proof								
		Alumni Visits, Meetings and Guest Lectures	KEC/DEPT/ALC/F01	ALC-01 to 05	10	0	1	2	3	(4)	40	
6.	Governance, Leadership and Management (100)	SWOT Analysis – Review Meeting	KEC/DEPT/HOD/F01	HOD-02	20	0	1	2	3	(4)	80	
		Academic Audit –Action Taken	KEC/DEPT/IQAC/F01	IQI-01, 02,04, QP-00		0	1	2	3	(4)	80	
		Strategic Development – Centre of Excellence, Collaboration with Foreign Universities, New Courses	KEC/DEPT/HOD/F01	HOD-02	20	0	1	2	3	(4)	80	Implemented.
		Faculty Training – FDP/NPTEL/Industry	KEC/DEPT/FST/F01	FST-01,03, 04	20	0	1	2	3	(4)	80	
		Faculty Qualification Improvement & Retention		R& D Quarterly Report		0	1	2	3	(4)	80	
		Skill up-gradation training for Supporting Staff	KEC/DEPT/FST/F01	FST-02	20	0	1	2	3	(4)	80	
		Day to Day Activities and Parents-Teachers Meeting	KEC/DEPT/PRM/F01	PRO-01 to 04	20	0	1	2	(3)	4	60	
7.	Institutional Values and Best Practices (100)	Department Best Practices	File	Proof	30	0	1	2	3	(4)	120	
		Contribution towards Institutional Values and Social Responsibilities	File	Proof	50	0	1	2	(3)	4	150	Needs improvement.
		Contribution towards Special programmes	File	Proof		0	1	2	(3)	4		
		Human values and Professional Ethics related activities	File	Proof	20	0	1	2	(3)	4		
		Contribution towards Institutional Distinctiveness	File	Proof		0	1	2	(3)	4		
		Practices for Student Self learning	File	Proof		0	1	2	3	(4)	70	

S.No.	Criteria	Maximum Marks (1)	Weighted Average Marks (2)	Grade Point Average (2/1)	Major Remarks / Comments
1.	Curricular Aspects	150	600	4	well structured curriculum
2.	Teaching –Learning Process	300	1133	3.78	Implemented.
3.	Research, Innovation and Extension	150	490	3.27	Needs improvement
4.	Infrastructure and Learning Resources	100	392.5	3.93	Adequate
5.	Student Support and Progression	100	345	3.45	Focus on Higher study to be improved.
6.	Governance Leadership and Management	100	380	3.8	Adequate
7.	Institutional Values and Best Practices	100	340	3.4	Needs improvement
Total		1000	3680.5	3.68	

1. S. Balambigai  
 (Dr. S. BALAMBIGAI  
 ASP/ECE/KEC)

Signature of Department Coordinators  
 (with name)

1. Dr. C. Gomadurai  
 (15/11/23)

2. Dr. T. P. Sathish Kumar  
 (15/11/23)

Signature of Auditors  
 (with name and dept.)

D.H.  
 (15/11/23)

Head of the Department  
 (with seal)

DEPT. OF ELECTRONICS AND COMMUNICATION ENGG.  
 SCHOOL OF COMM. AND COMPUTER SCIENCES  
 KONGU ENGINEERING COLLEGE  
 THOPPUPALAYAM (PO)  
 PERUNDURAI (TK), ERODE - 638 060

**KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE-638060**

(Autonomous)

**INTERNAL QUALITY ASSURANCE CELL (IQAC)****ACADEMIC AUDIT 2022-2023 - ANALYSIS REPORT****Name of the Department : Electronics and Communication Engineering****Date(s) of Audit : 08.11.2023**

<b>A. Strengths (Y)</b>
1. Good number of Value added courses/One or two credit courses conducted
2. Submission of research project proposal /seminars/workshop is good.
3. Consultancy has improved compared to the previous academic year 2021-2022
<b>B. Concerns (C)</b>
1. Student participation in co and extracurricular activities needs improvement.
2. Corporate Social Responsibility activities can be improved
<b>C. Areas of improvement: (W)</b>
1. No.of MoU's can be improved.
<b>D. Deficiencies: (D)</b>
--

Type of Conformities	Details of non-conformities	Objective Evidence	Cause Analysis
Major	--	--	--
Minor	--	--	--
Finding	--	--	--
Observation	1.SAP file consolidation to be improved	SAP file	SAP file was arranged date wise instead of Student Roll no.It is informed to rearrange the file.
	2.MoU activity to be improved after signing of MoU	MoU file	Activities can be carried out after signing the MoU

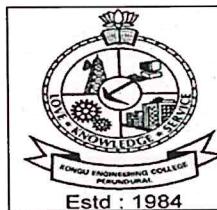
*Dr. C. Gomadurai*  
*(Dr. C. Gomadurai)*

**Auditors**

Name and Signature

*S. Balamigai*  
*(Dr. S. BALAMIGAI)*  
**IQAC Coordinator ASP/ECE)**  
Name and Signature

*N.L.*  
*11/11/23*  
**HOD**



**KONGU ENGINEERING COLLEGE  
(Autonomous)  
PERUNDURAI – 638060  
INTERNAL QUALITY ASSURANCE CELL**

**Action List including Opportunities for Improvement**



**Department: Electronics and Communication Engineering**

**Date: 15.2.2024**

**Nonconformities**

S.No.	Process	Findings	Results of Root Cause Analysis	Intended Corrections and Corrective Actions	Responsible Person	Due date
			Nil			

**Observations (Opportunities for improvement)**

S.No.	Process	Findings	Action	Responsible	Date
1	<b>Research, Innovation and Extension :</b> Paper Presentation by students	SAP file consolidation to be improved.	SAP file was rearranged	SAP in-charge	22.11.2023
2	<b>Research, Innovation and Extension :</b> MoU Signed and activities	MoU activity to be improved after signing of MoU	Activities were proposed to be conducted after the date of signing the MoU	IIPC in-charge	Next academic year

*16/2/24 (Dr. T.P. Sathishkumar)*  
*16/2/24 Dr. C. Gomindurai*  
Signature of Auditor

(Name with Designation & Dept.)

*S. Balamigai 16/2/24*  
*(Dr. S. BALAMIGAI)*  
Auditee Dept. Coordinator

*D. D. 16/2/24*  
Auditee Dept. HOD



### Audit Evaluation Sheet for the Academic Year 2022-2023

1. Dr. S. BALAMBIGAI, ASP/ECE

: 2. Dr. M. MADHAN MUHAM, ASP/EIE

Date of Audit : 09.11.2023

Auditors Name and Designation

Audited Department

: COMPUTER SCIENCE AND ENGINEERING

S.No	Criteria (Max Mark)	Parameters	File Name	Formats	Max. Mark	Circle the score (0-Low score , 4- High score)					Weighted Average	Observations
1.	Curricular Aspects (150)	Curriculum Design and Development process	KEC/DEPT/CDC/ F01	CDC-01,02	40	0	1	2	3	4	4	Verified and found ok
		Curriculum and syllabus – Planning and Implementation		CDC-03,04, 06		0	1	2	3	4		
		Dissemination of regulation, curriculum & Syllabus		CDC-05, 10		0	1	2	3	4		
		Minutes of BOS Meeting		CDC-08, 09		0	1	2	3	4		
		Revision in Elective courses		CDC-11		0	1	2	3	4		
		Value Added Courses – Organized and Participation of students	KEC/DEPT/NVA C/F01	NVC-01 to 06	30	0	1	2	3	4	4	Web development (13) courses -OK
		Student involvement in field projects/internships	KEC/DEPT/PC/F01	PC-05		0	1	2	3	4		
		Feedback System on Curriculum - Alumni, Course End Survey, Employer, Faculty, Graduate Exit Survey, Parent	KEC/DEPT/CDC/ F01	CDC-07A, 07C, 07E, 07F, 07G, 07P	40	0	1	2	3	4	4	IOT (Theory & Lab added) - Student f/b • .NET added - Alumni (elective) f/b
		Mapping of Course Outcomes and Programme Outcomes	KEC/DEPT/CDC/ F01	CDC-03,04, 06	40	0	1	2	3	4	4	Verified & Found ok Total - 55 faculty
		Allotting courses to faculty based on expertise	KEC/DEPT/TTI/F 01	TTI- 01,02,ACO-02		0	1	2	3	4		
		Allotment of adequate number of hours in time table for theory/practical/project		TTI-03 to 06, HOD-07		0	1	2	3	4		

2.	Teaching-Learning Process (300)	Student Enrolment & Improvement in Student Quality	KEC/DEPT/HOD/F01	HOD-03	20	0	1	2	3	4	4.0	<p>241 enrolled UG, PG(CSE) 1.14.11 (AICTE)</p> <p><u>Subject verified</u></p> <p>(1) DAA - 20CST44 (2) 20ITOU2 - Web technologies (3) 20CSL41 - DBMS (4) Mobile communication - VI rem (5) OOPS - 20CST32 (6) Project - VI - Comments for review-few * Few remedial action missing paper correction incomplete * Corrective &amp; preventive</p> <p>action plan missing in OOPS (20CST32) OOPS CAT I - 58.21/-. CAT II - 71.64/-. ESE - 91.04/-.</p> <p>Verified and found ok → Action taken report available</p>	
		Student Teacher Ratio, Cadre Ratio & Adjunct Faculty		HOD-04		0	1	2	3	4			
		Structured Course Plan	KEC/DEPT/CCT/	CCO-01	100	0	1	2	3	4			
		Course Coordination Meeting		CCO-02		0	1	2	3	4			
		Course Delivery Methods – Use of ICT tools		Course File		0	1	2	3	4			
		Continuous Assessment (CA) Test Question Paper standards	KEC/DEPT/CCT/	TCO-05		0	1	2	3	4	3.7		
		Conduct of Continuous Assessment Tests	KEC/DEPT/TCO/F01	TCO-01 to 04, 06,07		0	1	2	3	4			
		Remedial Measures for Slow Learners	KEC/DEPT/CCT/	Course File		0	1	2	3	4			
		Adequate number of Assignments and Tutorials	KEC/DEPT/CCT/	Course File		0	1	2	3	4			
		Laboratory Plan	KEC/DEPT/CCL/	LT-01,LT09		0	1	2	3	4			
		Quality of Laboratory Manual		Course File		0	1	2	3	4			
		Project Work Review Schedule	KEC/DEPT/CCP/	PR-01,02 (Project file)		0	1	2	3	4			
		Evaluation of CA Test papers	KEC/DEPT/CCT/	Course File		0	1	2	3	4	3.0		
		Evaluation of Assignments/Tutorials		Course File		0	1	2	3	4			
		Evaluating experiments – Rubrics/Periodically	KEC/DEPT/CCL/	Lab Manual		0	1	2	3	4			
		Evaluation of Projects through Review – Rubrics followed	KEC/DEPT/CCP/	Project file		0	1	2	3	4			
		Continuous Assessment Test – Analysis	KEC/DEPT/CLA/F01	CLA03XL-1 CLA04XL-2		0	1	2	3	4			
		End Semester Result Analysis		CLA04XL1,2		0	1	2	3	4			
		Course Outcomes and Programme Outcomes Analysis – Direct & Indirect Assessments & Action Taken	KEC/DEPT/POM/F01	POM-01 to 05	80	0	1	2	3	4	3.85		
		Quality of Project Reports	KEC/DEPT/CCP/	Sample reports		0	1	2	3	4			
		PAC and QIC formulation and Meeting minutes	KEC/DEPT/HOD/F01	HOD-09 to 12		0	1	2	3	4			

		Student Feedback on Course and Teacher	KEC/DEPT/IQI/F01	Feedback form and Action Taken	50	0	1	2	3	4	4.00	Verified and found ok
		Course Monitoring Committee Meeting		CMC-01 to 04		0	1	2	3	4		
3.	Research, Innovation and Extension (150)	Seed money Proposals (student funding through IIC may be consider)	KEC/DEPT/RC/F01	Proof	20	0	1	2	3	4	3.33	KPIT sparkle - Rs 150,000 To be improved
		Submission of Project Proposals		RC-01		0	1	2	3	4		RPS rent - 32, Research Ongoing 50 lakhs - ICML AICTE ECSE
		Research Grants received		Proof		0	1	2	3	4		
		Conference / seminar / workshop/FDP/SSTP proposals submitted		RC-01	20	0	1	2	3	4	3.5	Seminar submitted - 24 can be improved
		Conference / seminar / workshop/FDP/SSTP organized		Proof		0	1	2	3	4		- 2 organized NBHM - Rs 15000 DRDO - Rs 30,000
		Promotion of Start-ups	KEC/DEPT/HEC/F01	EMC-01 to 05	10	0	1	2	3	4	0	Not available
		Paper presentation by students		Proof and consolidate list (SAP-XL)	50	0	1	2	3	4	2.16	479 - ok File maintenance needs consolidation → 42 → SCI - 50, Scopus - 10 → Book chapter - Scopus - 23 Scopus conf - 67 → 2 copyright published
		Conversion of student projects into paper	KEC/DEPT/RC/F01	RC-03		0	1	2	3	4		
		Quality Publications by faculty		RC-02		0	1	2	3	4		
		Books/Book chapters/Conference proceedings		RC-04		0	1	2	3	4		
		Patents filed/published/granted		RC-04		0	1	2	3	4		
		Awards for Innovation won by Teachers/Research scholars/ Clubs	KEC/DEPT/FST/F01	ASA-05	20	0	1	2	3	4	1.66	To be improved Count/ 23 faculty 11 / Training 0, → Faculty as resource person needs improvement
		Faculty as Resource persons		Proof		0	1	2	3	4		
		Professional development/ administrative training programmes organized details		FST-07		0	1	2	3	4		
		Industrial Consultancy/Testing Works	KEC/DEPT/IIPC/F01	IIPC-01,02,03	20	0	1	2	3	4	1.66	IIPC - Rs 9, 23, 000 90 IC-01 awbl Corporate trng - not awbl
		Corporate Training (IIPC/Other Grants)		IIPC-04		0	1	2	3	4		

		Association activities / Clubs/Professional Societies	EC/DEPT/ASA/F01	ASA-01 to 04	20	0	1	2	3	4	3.0	Association - 17	
		In plant Training/Internship	KEC/DEPT/IPC/F01	IPC-01 to 04,PC-05		0	1	2	3	4		New MOU -2 Live MOU -10 IV arranged, Civid batch	
		MoUs signed and activities	KEC/DEPT/IIPC/F01	IIPC-05		0	1	2	3	4		9u ICOI	
		Industrial visits arranged for students	KEC/DEPT/IPC/F01	IV-01 to IV-03		0	1	2	3	4			
		One Faculty- One Industry Progress	KEC/DEPT/RC/F01	IIPC-06		0	1	2	3	4			
		Faculty interaction with industries and monitoring	KEC/DEPT/IIPC/F01	IIPC-01,07,08		0	1	2	3	4			
4.	Infrastructure and Learning Resources (100)	Physical facilities – Classrooms, Faculty cabin, seminar hall, Projectors, Printers, etc.	KEC/DEPT/FMM/01	FMM-01 to 04	30	0	1	2	3	4	3.75	14 classroom Faculty cabin 50/15 paulthu Professor cabin - 1 hrs CC 11 - LTU 2,03,05,07,08 verified & found ok 20CSL 62 - IOT E, cloud Lab - Verified, ok AIITIE, ICSS12 { equipment - Rs 6,72,600 } brought	
		Laboratory Maintenance Records/Registers	KEC/DEPT/Lab	LT-02 to 08		0	1	2	3	4			
		Equipment working conditions/Calibration				0	1	2	3	4			
		Latest/Research Level equipments – Availability and Utilization				0	1	2	3	4			
		Utilization of budget	KEC/DEPT/HOD/F01, KEC/DEPT/DBC/F01	HOD-06 DBC-01 to 05	20	0	1	2	3	4	1.00	Dept. utilization N12 - 10.6%, R - 5.6%. College utilization - 25.79%.	
		Department Library – Maintenance and utilization	KEC/DEPT/Lab	Records	20	0	1	2	3	4	3.00	1790 volume, 1380 titles 12 subscribed journals	
		Computing Facilities - Maintenance and utilization	KEC/DEPT/Lab	Records	30	0	1	2	3	4	4.00	352 computer / 787 student python course verified	
		E-content development – Videos developed	KEC/DEPT/Lab	Records		0	1	2	3	4		Java	
5.	Student Support and Progression (100)	Placement details and training plan for Skill Development	KEC/DEPT/PC/F01	PC-01 to 04	30	0	1	2	3	4	3.50	209 students placed 6 students joined higher education	
		Awareness programmes on Higher Education	KEC/DEPT/HEC/F01	HEC-01 to 03		0	1	2	3	4			
		Student participation and success in competitive examinations	KEC/DEPT/HEC/F01	HEC-04	40	0	1	2	3	4	3.00	41 appeared / 6 cleared 2022 - 99.9-1- 2021 - 98-1. 2022 - 97.06-1.	
		Percentage of students placed (Improvement over 3 years)	KEC/DEPT/PC/F01	PC-06,07		0	1	2	3	4			

		Percentage of students joined higher education	EC/DEPT/HEC/F01	HEC-05		0	1	2	3	4		6 students
	6.	Student's participation in Co/Extra-curricular activities (Cultural, Sports, etc.)	KEC/DEPT/SAP/F01	SAP-01 to 04, SAP-XL	20	0	1	2	3	4	3.00	1988 - 64.04-1, 20CSR171- verified Sports award arbl 96 prijzen won
		Student achievements and awards		Proof								
		Alumni Visits, Meetings and Guest Lectures	KEC/DEPT/ALC/F01	ALC-01 to 05		10	0	1	2	3	4	4.00
	Governance, Leadership and Management (100)	SWOT Analysis – Review Meeting	KEC/DEPT/HOD/F01	HOD-02	20	0	1	2	3	4	4.00	Verified & found ok
		Academic Audit –Action Taken	KEC/DEPT/IQAC/F01	IQI-01, 02,04, QP-00		0	1	2	3	4		Verified & found ok
		Strategic Development – Centre of Excellence, Collaboration with Foreign Universities, New Courses	KEC/DEPT/HOD/F01	HOD-02	20	0	1	2	3	4	4.00	Verified & found ok
		Faculty Training – FDP/NPTEL/Industry	KEC/DEPT/FST/F01	FST-01,03, 04	20	0	1	2	3	4	3.00	143 courses completed by faculty
		Faculty Qualification Improvement & Retention		R& D Quarterly Report		0	1	2	3	4		Faculty retention -70%.
		Skill up-gradation training for Supporting Staff	KEC/DEPT/FST/F01	FST-02	20	0	1	2	3	4	4.00	Karthikeyan - Linux administration done
		Day to Day Activities and Parents-Teachers Meeting	KEC/DEPT/PRM/F01	PRO-01 to 04	20	0	1	2	3	4	4.00	Verified & found ok
	Institutional Values and Best Practices (100)	Department Best Practices	File	Proof	30	0	1	2	3	4	4.00	Verified & found ok
		Contribution towards Institutional Values and Social Responsibilities	File	Proof		0	1	2	3	4	4.00	Verified & found ok
		Contribution towards Special programmes	File	Proof		0	1	2	3	4		SIG created
		Human values and Professional Ethics related activities	File	Proof	20	0	1	2	3	4		Verified & found ok
		Contribution towards Institutional Distinctiveness	File	Proof		0	1	2	3	4	3.00	Verified & found ok
		Practices for Student Self learning	File	Proof		0	1	2	3	4		NPTEL Students - 208

S.No.	Criteria	Maximum Marks (1)	Weighted Average Marks (2)	Grade Point Average (2/1)	Major Remarks / Comments
1.	Curricular Aspects	150	600	4.00	Good.
2.	Teaching –Learning Process	300	1108	3.69	Implemented
3.	Research, Innovation and Extension	150	377.8	2.51	Can be improved
4.	Infrastructure and Learning Resources	100	312.5	3.125	Budget utilization to be improved
5.	Student Support and Progression	100	325	3.25	Can be improved
6.	Governance Leadership and Management	100	380	3.80	Adequate
7.	Institutional Values and Best Practices	100	380	3.80	Good
<b>Total</b>		1000		3.45	

1. S. SANTHOSH (Dr. S. SANTHOSH)  
16/11/23

2. K. PUGAZHADEESAN (K. PUGAZHADEESAN)  
16/11/23

Signature of Department Coordinators  
(with name)

1. S.P. (Dr. S. BALAMURALIGAM)  
16/11/23 ASP/ECE

2. MADHAN (Dr. N. MADHAN MATHAN)  
16/11/23 ASP/EIE

Signature of Auditors  
(with name and dept.)

Head of the Department  
(with seal)

Dr S MALLIGA  
Professor & Head  
Dept. of Computer Science & Engineering  
Kongu Engineering College  
Thoppuppalayam (Po)  
Perundurai, Erode - 638 060

**KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE-638060**  
**(Autonomous)**  
**INTERNAL QUALITY ASSURANCE CELL (IQAC)**  
**ACADEMIC AUDIT 2022-2023 - ANALYSIS REPORT**

**Name of the Department : Computer Science Engineering**

**Date(s) of Audit: 09.11.2023**

<b>A. Strengths (Y)</b>
1. Currently Two R&D Projects in Live
2. Placement Percentage is higher in consecutive three years period of time
<b>B. Concerns (C)</b>
1. Faculty retention is 70 %
2. Industrial training undergone by faculty is less
3. Student participation in co and extracurricular activities are higher. Consolidate Record maintenance is required
<b>C. Areas of improvement: (W)</b>
1. Budget utilization in the department level is only 11%
<b>D. Deficiencies: (D)</b>
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Type of Conformities	Details of non-conformities	Objective Evidence	Cause Analysis
Major	--	--	--
Minor	--	--	--
Finding	Faculty retention is found to be 70 %	Faculty List	11 faculty members have been transferred to new programmes.
Observation	Budge Utilization is less	Utilized 27.73 L & Sanctioned: 107.5 L	Budget sanctioned for setting up CSD labs to CSE & account settled by CSD department.
	SAP points file – Consolidation of II and III year to be done	SAP file	Separate files have been maintained for each year.
	Interaction of faculty with outside world to be improved	Faculty as resource persons list	So far, invited talk alone was considered for outside interaction.

1. S. N. (Dr. S. BALAMBIKAM)  
16/11/23 (ASP/ ECE )

2. N. M. (Dr. N. MADHAN  
Muthan  
ASP / EIE)

**Auditors**

Name and Signature

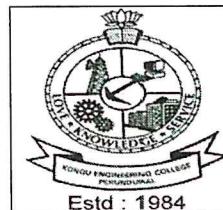
2. K. P. (K. PUGAZI HARSHINI)  
16/11/23 (ECE )

1. S. Shanthi (S. SHANTHI)  
16/11/23 (ECE )

**IQAC Coordinator**

Name and Signature

16/11/23  
**HOD**



**KONGU ENGINEERING COLLEGE  
(Autonomous)  
PERUNDURAI – 638060  
INTERNAL QUALITY ASSURANCE CELL**

**Action List including Opportunities for Improvement**



**Department:** Computer Science and Engineering

**Date:** 15.02.2024

**Nonconformities**

S.No.	Process	Findings	Results of Root Cause Analysis	Intended Corrections and Corrective Actions	Responsible Person	Due date
Nil						

**Observations (Opportunities for improvement)**

S. No.	Process	Findings	Action	Responsible	Date
1.	Research, Innovation and Extension	Promotion of start-ups not available	Motivated the students for doing freelancing projects few students have completed freelancing projects	All faculty members	Next academic year
2.		Awards for Innovation won by Teachers/Research scholars/ Clubs needs improvement	Motivated the faculty members & research scholar to involve in extension activities. Awards received from SIH-2023, & research fellowship from ICSSR	All faculty members & research scholar	Next Semester
3.		Conversion of student projects into paper may be increased	All the supervisors are instructed to publish their student's project into papers and improved	All Supervisors	Next Semester
4.	Student Support and Progression	Student participation and success in competitive examinations may be improved	More programs will be planned during next academic year	HEC coordinator	Next academic year
5.	Institutional Values and Best Practices	Practices for Student Self learning need improvement	The students are insisted to explore new trends in Infosys springboard & other platform to improve self learning	All faculty members	Next Semester

S-Balamurali 15/2/2024 (Dr.S. BALAMURALI GAI)  
Mangat 15/2/2024 (Dr.M. Mangat Maitra)

**Signature of Auditor**  
(Name with Designation & Dept.)

*S. Shanthi*  
15/2/2024  
**Auditee Dept. Coordinator**  
(Dr. S. SHANTHI)

*15/2/2024*  
**Auditee Dept. HOD**



### Audit Evaluation Sheet for the Academic Year 2022-2023

Date of Audit : 10.11.23

Auditors Name and Designation : Dr. T. Kalavathi Dasi & EIE  
Dr. M. Pyingledar S MCA

Audited Department : Chemical Engineering

S.No	Criteria (Max Mark)	Parameters	File Name	Formats	Max. Mark	Circle the score (0-Low score , 4- High score)					Weighted Average	Observations
1.	Curricular Aspects (150)	Curriculum Design and Development process	KEC/DEPT/CDC/F01	CDC-01,02	40	0	1	2	3	4	136	<p>Some documents are ok flow of the documents need improvement.</p>
		Curriculum and syllabus – Planning and Implementation		CDC-03,04, 06		0	1	2	3	4		
		Dissemination of regulation, curriculum & Syllabus		CDC-05, 10		0	1	2	3	4		
		Minutes of BOS Meeting		CDC-08, 09		0	1	2	3	4		
		Revision in Elective courses		CDC-11		0	1	2	3	4		
		Value Added Courses – Organized and Participation of students	KEC/DEPT/NVA C/F01	NVC-01 to 06	30	0	1	2	3	4	120	Ok
		Student involvement in field projects/internships	KEC/DEPT/PC/F01	PC-05		0	1	2	3	4		
		Feedback System on Curriculum - Alumni, Course End Survey, Employer, Faculty, Graduate Exit Survey, Parent	KEC/DEPT/CDC/F01	CDC-07A, 07C, 07E, 07F, 07G, 07P	40	0	1	2	3	4	160	Ok
		Mapping of Course Outcomes and Programme Outcomes	KEC/DEPT/CDC/F01	CDC-03,04, 06	40	0	1	2	3	4	40	Ok
		Allotting courses to faculty based on expertise	KEC/DEPT/TTI/F01	TTI-01,02,ACO-02		0	1	2	3	4		
		Allotment of adequate number of hours in time table for theory/practical/project		TTI-03 to 06, HOD-07		0	1	2	3	4	160	Ok

2. Teaching -Learning Process (300)	Student Enrolment & Improvement in Student Quality	KEC/DEPT/HOD/F01	HOD-03	20	0	1	2	3	4	25 20	Ok
	Student Teacher Ratio, Cadre Ratio & Adjunct Faculty		HOD-04		0	1	2	3	4		
	Structured Course Plan	KEC/DEPT/CCT/	CCO-01	100	0	1	2	3	4	350 380	Ok
	Course Coordination Meeting		CCO-02		0	1	2	3	4		
	Course Delivery Methods – Use of ICT tools		Course File		0	1	2	3	4		
	Continuous Assessment (CA) Test Question Paper standards	KEC/DEPT/CCT/	TCO-05		0	1	2	3	4		Remedial Measures can be based on its Analytical/Theoretical course
	Conduct of Continuous Assessment Tests	KEC/DEPT/TCO/F01	TCO-01 to 04, 06,07		0	1	2	3	4		
	Remedial Measures for Slow Learners	KEC/DEPT/CCT/	Course File		0	1	2	3	4		
	Adequate number of Assignments and Tutorials	KEC/DEPT/CCT/	Course File		0	1	2	3	4		
	Laboratory Plan	KEC/DEPT/CCL/	LT-01,LT09		0	1	2	3	4		
	Quality of Laboratory Manual		Course File		0	1	2	3	4		
	Project Work Review Schedule	KEC/DEPT/CCP/	PR-01,02 (Project file)		0	1	2	3	4		
	Evaluation of CA Test papers	KEC/DEPT/CCT/	Course File	50	0	1	2	3	4	187.5	Ok
	Evaluation of Assignments/Tutorials		Course File		0	1	2	3	4		
	Evaluating experiments – Rubrics/Periodically	KEC/DEPT/CCL/	Lab Manual		0	1	2	3	4		
	Evaluation of Projects through Review – Rubrics followed	KEC/DEPT/CCP/	Project file		0	1	2	3	4		
	Continuous Assessment Test – Analysis	KEC/DEPT/CLA/F01	CLA03XL-1 CLA04XL-2	80	0	1	2	3	4	320 320	Ok
	End Semester Result Analysis		CLA04XL1,2		0	1	2	3	4		
	Course Outcomes and Programme Outcomes Analysis – Direct & Indirect Assessments & Action Taken	KEC/DEPT/POM/F01	POM-01 to 05		0	1	2	3	4		
	Quality of Project Reports	KEC/DEPT/CCP/	Sample reports		0	1	2	3	4		
	PAC and QIC formulation and Meeting minutes	KEC/DEPT/HOD/F01	HOD-09 to 12		0	1	2	3	4		

		Student Feedback on Course and Teacher	KEC/DEPT/IQI/F01	Feedback form and Action Taken	50	0	1	2	3	4	200	ok
		Course Monitoring Committee Meeting		CMC-01 to 04		0	1	2	3	4		
3. Research, Innovation and Extension (150)	Seed money Proposals (student funding through IIC may be consider) Submission of Project Proposals Research Grants received Conference / seminar / workshop/FDP/STTP proposals submitted Conference / seminar / workshop/FDP/SSTP organized	KEC/DEPT/RC/F01	Proof	20	0	1	2	3	4	73.33	ok	
			RC-01		0	1	2	3	4			
			Proof		0	1	2	3	4			
			RC-01	20	0	1	2	3	4			
			Proof		0	1	2	3	4	70		
	Promotion of Start-ups	KEC/DEPT/HEC/F01	EMC-01 to 05	10	0	1	2	3	4	40	ok	
	Paper presentation by students	KEC/DEPT/SAP/F01	Proof and consolidate list (SAP-XL)	50	0	1	2	3	4	175		
	Conversion of student projects into paper	KEC/DEPT/RC/F01	RC-03		0	1	2	3	4			
	Quality Publications by faculty		RC-02		0	1	2	3	4			
	Books/Book chapters/Conference proceedings		RC-04		0	1	2	3	4			
	Patents filed/published/granted		RC-04		0	1	2	3	4			
	Awards for Innovation won by Teachers/Research scholars/ Clubs	KEC/DEPT/FST/F01	ASA-05	20	0	1	2	3	4	80	ok	
	Faculty as Resource persons		Proof		0	1	2	3	4			
	Professional development/administrative training programmes organized details		FST-07		0	1	2	3	4			
	Industrial Consultancy/Testing Works	KEC/DEPT/IIPC/F01	IIPC-01,02,03		0	1	2	3	4		ok	
	Corporate Training (IIPC/Other Grants)		IIPC-04		0	1	2	3	4			

		Association activities / Clubs/Professional Societies	KEC/DEPT/ASA/F01	ASA-01 to 04	20	0	1	2	3	4	80	OK	
		In plant Training/Internship	KEC/DEPT/IPC/F01	IPC-01 to 04,PC-05		0	1	2	3	4			
		MoUs signed and activities	KEC/DEPT/IIPC/F01	IIPC-05		0	1	2	3	4			
		Industrial visits arranged for students	KEC/DEPT/IPC/F01	IV-01 to IV-03		0	1	2	3	4			
4.	Infrastructure and Learning Resources (100)	One Faculty- One Industry Progress	KEC/DEPT/RC/F01	IIPC-06	10	0	1	2	3	4	35	OK	
		Faculty interaction with industries and monitoring	KEC/DEPT/IIPC/F01	IIPC-01,07,08		0	1	2	3	4			
		Physical facilities – Classrooms, Faculty cabin, seminar hall, Projectors, Printers, etc.	KEC/DEPT/FMM/01	FMM-01 to 04	30	0	1	2	3	4	97.5	Format should be followed.	
		Laboratory Maintenance Records/Registers	KEC/DEPT/Lab	LT-02 to 08		0	1	2	3	4			
		Equipment working conditions/Calibration				0	1	2	3	4			
		Latest/Research Level equipments – Availability and Utilization				0	1	2	3	4			
		Utilization of budget	KEC/DEPT/HOD/F01, KEC/DEPT/DBC/F01	HOD-06 DBC-01 to 05	20	0	1	2	3	4	80	OK	
5.	Student Support and Progression (100)	Department Library – Maintenance and utilization	KEC/DEPT/Lab	Records	20	0	1	2	3	4	80	OK	
		Computing Facilities - Maintenance and utilization	KEC/DEPT/Lab	Records	30	0	1	2	3	4	120	OK	
		E-content development – Videos developed	KEC/DEPT/Lab	Records		0	1	2	3	4			
		Placement details and training plan for Skill Development	KEC/DEPT/PC/F01	PC-01 to 04	30	0	1	2	3	4	120	OK	
		Awareness programmes on Higher Education	KEC/DEPT/HEC/F01	HEC-01 to 03		0	1	2	3	4			
		Student participation and success in competitive examinations	KEC/DEPT/HEC/F01	HEC-04	40	0	1	2	3	4	120	OK	
		Percentage of students placed (Improvement over 3 years)	KEC/DEPT/PC/F01	PC-06,07		0	1	2	3	4			

	Percentage of students joined higher education	KEC/DEPT/HEC/F01	HEC-05		0	1	2	3	4	160	ok
6.	Student's participation in Co/Extra-curricular activities (Cultural, Sports, etc.)	KEC/DEPT/SAP/F01	SAP-01 to 04, SAP-XL	20	0	1	2	3	4	40	Need to Improve.
	Student achievements and awards		Proof								
	Alumni Visits, Meetings and Guest Lectures	KEC/DEPT/ALC/F01	ALC-01 to 05	10	0	1	2	3	4	40	ok
6.	SWOT Analysis – Review Meeting	KEC/DEPT/HOD/F01	HOD-02	20	0	1	2	3	4	40	ok
	Academic Audit –Action Taken	KEC/DEPT/IQAC/F01	IQI-01, 02,04, QP-00		0	1	2	3	4	40	
	Strategic Development – Centre of Excellence, Collaboration with Foreign Universities, New Courses	KEC/DEPT/HOD/F01	HOD-02	20	0	1	2	3	4	80	ok
	Faculty Training – FDP/NPTEL/Industry	KEC/DEPT/FST/F01	FST-01,03, 04	20	0	1	2	3	4		ok
	Faculty Qualification Improvement & Retention		R& D Quarterly Report		0	1	2	3	4	80	
	Skill up-gradation training for Supporting Staff	KEC/DEPT/FST/F01	FST-02	20	0	1	2	3	4	80	ok
	Day to Day Activities and Parents-Teachers Meeting	KEC/DEPT/PRM/F01	PRO-01 to 04	20	0	1	2	3	4	80	ok
7.	Department Best Practices	File	Proof	30	0	1	2	3	4	120	ok
	Contribution towards Institutional Values and Social Responsibilities	File	Proof	50	0	1	2	3	4		ok
	Contribution towards Special programmes	File	Proof		0	1	2	3	4		
	Human values and Professional Ethics related activities	File	Proof	20	0	1	2	3	4	200	ok.
	Contribution towards Institutional Distinctiveness	File	Proof		0	1	2	3	4		
	Practices for Student Self learning	File	Proof		0	1	2	3	4	80	

S.No.	Criteria	Maximum Marks (1)	Weighted Average Marks (2)	Grade Point Average (2/1)	Major Remarks / Comments
1.	Curricular Aspects	150	456	3.04	
2.	Teaching –Learning Process	300	1075	3.69	
3.	Research, Innovation and Extension	150	553.33	3.68	
4.	Infrastructure and Learning Resources	100	377.5	3.77	
5.	Student Support and Progression	100	360	3.6	
6.	Governance Leadership and Management	100	360	3.6	
7.	Institutional Values and Best Practices	100	400	4	
	Total	1000	3614.33	3.62	

  
 Dr. C. Gomadurai  
 Signature of Department Coordinators  
 (with name)

1. Dr. K. M. Pyingkodi / MCA  
 2. M. Jayaram / MCA  
 Signature of Auditors  
 (with name and dept.)  
 2. [Dr. M. Pyingkodi] / MCA  
 1. (Dr. T. Balasubramanian / EIE)

  
 V. Govindaraj  
 Head of the Department  
 (with seal)

## INTERNAL QUALITY ASSURANCE CELL (IQAC)

## ACADEMIC AUDIT 2022-2023 - ANALYSIS REPORT

Name of the Department: Chemical Engineering Date(s) of Audit: 10.11.23

A. Strengths (Y)	1. Industrial Collaborations, 2. IPT for all 2 & 3 yr students 3. SWOT Analysis 4. Core Training 5. UMP - university collaboration
B. Concerns (C)	Extra curricular activities can be improved.
C. Weakness/Areas of improvement: (W)	—
D. Deficiencies: (D)	—

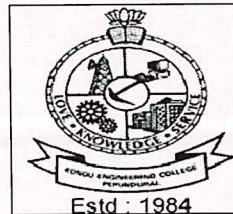
Type of Conformities	Details of non-conformities	Objective Evidence	Cause Analysis
Major	—	—	—
Minor	—	—	—
Finding	—	—	—
Observation	1. LT files for laboratory has to be updated as per R&AE. 2. SAP - 01504 to be followed in R&AE. 3. Tutorial - assessment for 4c is to be in course file. Remedial class can be suitably planned.	Course file — —	1. LT files completed. 2. Faculty concern completed (R&AE) 3. CED - Remedial & rubrice for IV completed. If future immediate class can be planned properly.

1. Dr. T. Kalathur  
2. Mr. M. Jayaraman  
Auditors 10.11.23.

(Dr. C. Gomadaran)  
IQAC Coordinator

1. (Dr. T. Kalathur)  
2. (Dr. M. Jayaraman)

V. Srinivas  
HOD



KONGU ENGINEERING COLLEGE  
(Autonomous)  
PERUNDURAI – 638060  
INTERNAL QUALITY ASSURANCE CELL

Action List including Opportunities for Improvement



Department: Chemical Engineering

Date: 15.02.2024

Nonconformities

S.No.	Process	Findings	Results of Root Cause Analysis	Intended Corrections and Corrective Actions	Responsible Person	Due date
NIL						

Observations (Opportunities for improvement)

S.No.	Process	Findings	Action	Responsible	Date
1	<b>Infrastructure and Learning Resources:</b> Laboratory Maintenance Records/Registers	LT files for laboratory have to be updated	LT files completed	Lab InCharges	14.11.2023
2	<b>Student Support and Progression:</b> Students' Participation in Co/ Extra-curricular Activities	SAP 01 to 04 to be followed	SAP files completed by concerned faculty (RSR & SY)	Class Advisors	14.11.2023
3	<b>Teaching –Learning Process:</b> Evaluation of Assignments/Tutorials	Tutorial assessment to be kept in course file. Remedial class can strictly be followed	CED Tutorial and Rubrics completed. Remedial class will be properly followed in future.	Concerned Course Faculty	14.11.2023

Mr.PYD 16/2/24 (Dr.M. Pyinglodi)  
Mr.PYD 16/2/24 MIA

Signature of Auditor  
(Name with Designation & Dept.)

(Dr.T. Kalavuchi Das, ASP/EE)

16/2/24  
Auditee Dept. Coordinator  
(Dr.C. GOMADURAI)

V. Jayaraman  
Auditee Dept. HOD



Estd : 1984

KONGU ENGINEERING COLLEGE  
( Autonomous )  
PERUNDURAI ERODE - 638 060

Internal Quality Assurance Cell (IQAC)

Academic Audit  
Revision -2  
01-01-2023

### Audit Evaluation Sheet for the Academic Year 2022-2023

Date of Audit : 08/11/2023

Auditors Name and Designation

1. Dr. V. Chitra Devi / Professor / FT  
2. Mr. M. Arunkumar / Asst. Prof. / Civil  
: Electrical and Electronics Engineering

Audited Department

S.No	Criteria (Max Mark)	Parameters	File Name	Formats	Max. Mark	Circle the score (0-Low score , 4- High score)					Weighted Average	Observations
1.	Curricular Aspects (150)	Curriculum Design and Development process	KEC/DEPT/CDC/F01	CDC-01,02	40	0	1	2	3	4	152	* CDC 04 - R2022 - Document is incomplete
		Curriculum and syllabus – Planning and Implementation		CDC-03,04, 06		0	1	2	3	4		* CDC 11 - I & AC Format number not available
		Dissemination of regulation, curriculum & Syllabus		CDC-05, 10		0	1	2	3	4		
		Minutes of BOS Meeting		CDC-08, 09		0	1	2	3	4		
		Revision in Elective courses		CDC-11		0	1	2	3	4		
		Value Added Courses – Organized and Participation of students	KEC/DEPT/NVA C/F01	NVC-01 to 06	30	0	1	2	3	4	90	* NVC 03-05 - Illumination & Lighting design - Formats to be updated
		Student involvement in field projects/internships		PC-05		0	1	2	3	4		
		Feedback System on Curriculum - Alumni, Course End Survey, Employer, Faculty, Graduate Exit Survey, Parent	KEC/DEPT/CDC/F01	CDC-07A, 07C, 07E, 07F, 07G, 07P	40	0	1	2	3	4	80	* Curriculum feedback - Action taken - Clarity needed
		Mapping of Course Outcomes and Programme Outcomes	KEC/DEPT/CDC/F01	CDC-03,04, 06	40	0	1	2	3	4	147	* Mr. S. R. Logesh FST 01 & FST 02 verified with Skill Matrix
		Allotting courses to faculty based on expertise	KEC/DEPT/TTI/F01	TTI-01,02,ACO-02		0	1	2	3	4		
		Allotment of adequate number of hours in time table for theory/practical/project		TTI-03 to 06, HOD-07		0	1	2	3	4		

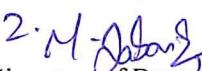
2.	Teaching –Learning Process (300)	Student Enrolment & Improvement in Student Quality	KEC/DEPT/HOD/ F01	HOD-03	20	0	1	2	3	4	80	Documents Verified  * Course files: 1. 22EET12 :- CAT & P Assessment pattern does not match with syllabus 2. 22EET21 :- Re-test conducted - Proof not clear, without any authorization.  20EEEL51 ~ LT01 - LT09 - Verified  CLA03,04 - Verified for 22-23- even semester	
		Student Teacher Ratio, Cadre Ratio & Adjunct Faculty		HOD-04		0	1	2	3	4			
		Structured Course Plan	KEC/DEPT/CCT/	CCO-01	100	0	1	2	3	4			
		Course Coordination Meeting		CCO-02		0	1	2	3	4			
		Course Delivery Methods – Use of ICT tools		Course File		0	1	2	3	4			
		Continuous Assessment (CA) Test Question Paper standards	KEC/DEPT/CCT/	TCO-05		0	1	2	3	4			
		Conduct of Continuous Assessment Tests	KEC/DEPT/TCO/ F01	TCO-01 to 04, 06,07		0	1	2	3	4			
		Remedial Measures for Slow Learners	KEC/DEPT/CCT/	Course File		0	1	2	3	4			
		Adequate number of Assignments and Tutorials	KEC/DEPT/CCT/	Course File		0	1	2	3	4			
		Laboratory Plan	KEC/DEPT/CCL/	LT-01,LT09		0	1	2	3	4			
		Quality of Laboratory Manual		Course File		0	1	2	3	4			
		Project Work Review Schedule	KEC/DEPT/CCP/	PR-01,02 (Project file)		0	1	2	3	4			
		Evaluation of CA Test papers	KEC/DEPT/CCT/	Course File		0	1	2	3	4	188		
		Evaluation of Assignments/Tutorials		Course File		0	1	2	3	4			
		Evaluating experiments – Rubrics/Periodically	KEC/DEPT/CCL/	Lab Manual		0	1	2	3	4			
		Evaluation of Projects through Review – Rubrics followed	KEC/DEPT/CCP/	Project file		0	1	2	3	4			
		Continuous Assessment Test – Analysis	KEC/DEPT/CLA/ F01	CLA03XL-i CLA04XL-2	80	0	1	2	3	4	288		
		End Semester Result Analysis		CLA04XL1,2		0	1	2	3	4			
		Course Outcomes and Programme Outcomes Analysis – Direct & Indirect Assessments & Action Taken	KEC/DEPT/POM/ F01	POM-01 to 05		0	1	2	3	4			
		Quality of Project Reports	KEC/DEPT/CCP/	Sample reports		0	1	2	3	4			
		PAC and QIC formulation and Meeting minutes	KEC/DEPT/HOD/ F01	HOD-09 to 12		0	1	2	3	4			

		Student Feedback on Course and Teacher	KEC/DEPT/IQI/F01	Feedback form and Action Taken	50	0	1	2	(3)	4	175	Action taken for L7.5 - Verified cme - Documents Verified
		Course Monitoring Committee Meeting		CMC-01 to 04		0	1	2	3	4		
3. Research, Innovation and Extension (150)	Seed money Proposals (student funding through IIC may be consider) Submission of Project Proposals Research Grants received Conference / seminar / workshop/FDP/STTP proposals submitted Conference / seminar / workshop/FDP/SSTP organized	Proof ✓ RC-01 ✓ Proof ✓ RC-01 ✓ Proof ✓	KEC/DEPT/RC/F01	Proof ✓ RC-01 ✓ Proof ✓ RC-01 ✓ Proof ✓	20	0	1	2	3	4	33	
						0	1	2	3	4		
						0	1	2	3	4		
						0	1	2	3	4		
						0	1	2	3	4		
	Promotion of Start-ups	KEC/DEPT/HEC/F01	EMC-01 to 05	10	0	0	(1)	2	3	4	10	
	Paper presentation by students	KEC/DEPT/SAP/F01	Proof and consolidate list (SAP-XL)	KEC/DEPT/RC/F01	50	0	1	2	3	4	92	* 10 projects out of 64 has been converted to Conference proceedings * Few faculty doesn't have quality publications
	Conversion of student projects into paper	RC-03 ✓	0			1	(2)	3	4			
	Quality Publications by faculty	RC-02 ✓	0			1	(2)	3	4			
	Books/Book chapters/Conference proceedings	RC-04 ✓	0			1	(2)	3	4			
	Patents filed/published/granted	RC-04 ✓	0			1	2	3	4			
	Awards for Innovation won by Teachers/Research scholars/ Clubs	ASA-05	Proof ✓ FST-07	KEC/DEPT/FST/F01	20	0	(1)	2	3	4	73	* Proof verified for FST-07 * Consultancy revenue = ₹ 7.71 Lakhs * Testing revenue = ₹ 1.02 Lakhs
	Faculty as Resource persons					0	1	2	(3)	4		
	Professional development/ administrative training programmes organized details					0	1	2	3	(4)		
	Industrial Consultancy/Testing Works	IIPC-01,02,03	IIPC-04	KEC/DEPT/IIPC/F01	20	0	1	2	3	(4)		
	Corporate Training (IIPC/Other Grants)					0	1	2	3	(4)		

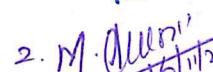
		Association activities / Clubs/Professional Societies	KEC/DEPT/ASA/F01	ASA-01 to 04	20	0	1	2	3	4	65	* ASA 03, 04 - Data to be presented in format * No new MOUs * 2v files Verified	
		In plant Training/Internship	KEC/DEPT/IPC/F01	IPC-01 to 04,PC-05		0	1	2	3	4			
		MoUs signed and activities	KEC/DEPT/IIPC/F01	IIPC-05		0	1	2	3	4			
		Industrial visits arranged for students	KEC/DEPT/IPC/F01	IV-01 to IV-03		0	1	2	3	4			
4.	Infrastructure and Learning Resources (100)	One Faculty- One Industry Progress	KEC/DEPT/RC/F01	IIPC-06	10	0	1	2	3	4	30	* IIPC - Documents Verified	
		Faculty interaction with industries and monitoring	KEC/DEPT/IIPC/F01	IIPC-01,07,08		0	1	2	3	4			
4.	Infrastructure and Learning Resources (100)	Physical facilities – Classrooms, Faculty cabin, seminar hall, Projectors, Printers, etc.	KEC/DEPT/FMM/F01	FMM-01 to 04	30	0	1	2	3	4	120	22 EEL 42 - Introduction of new experiments - Verified	
		Laboratory Maintenance Records/Registers	KEC/DEPT/Lab	LT-02 to 08		0	1	2	3	4			
		Equipment working conditions/Calibration				0	1	2	3	4			
		Latest/Research Level equipments – Availability and Utilization				0	1	2	3	4			
		Utilization of budget	KEC/DEPT/HOD/F01, KEC/DEPT/DBC/F01	HOD-06 DBC-01 to 05	20	0	1	2	3	4	60	* Sanctioned = 27.67 lakhs * Utilized = 6.54 lakhs	
		Department Library – Maintenance and utilization	KEC/DEPT/Lab	Records	20	0	1	2	3	4	80		
		Computing Facilities - Maintenance and utilization	KEC/DEPT/Lab	Records	30	0	1	2	3	4	90	* PPT with animation is available. * No videos	
		E-content development – Videos developed	KEC/DEPT/Lab	Records		0	1	2	3	4			
5.	Student Support and Progression (100)	Placement details and training plan for Skill Development	KEC/DEPT/PC/F01	PC-01 to 04	30	0	1	2	3	4	105	* Files Verified	
		Awareness programmes on Higher Education	KEC/DEPT/HEC/F01	HEC-01 to 03		0	1	2	3	4			
		Student participation and success in competitive examinations	KEC/DEPT/HEC/F01	HEC-04	40	0	1	2	3	4		* very few students taking up competitive exams	
		Percentage of students placed (Improvement over 3 years)	KEC/DEPT/PC/F01	PC-06,07		0	1	2	3	4		* Improvement in Placement is Verified	

		Percentage of students joined higher education	KEC/DEPT/HEC/F01	HEC-05		0	1	2	3	4	107	only 2 students
		Student's participation in Co/Extra-curricular activities (Cultural, Sports, etc.)	KEC/DEPT/SAP/F01	SAP-01 to 04, SAP-XL	20	0	1	2	3	4	60	* Documents Verified
		Student achievements and awards		Proof					3	4		* Achievements & Awards can be improved
		Alumni Visits, Meetings and Guest Lectures		ALC-01 to 05		10	0	1	2	3	4	40
6.	Governance, Leadership and Management (100)	SWOT Analysis – Review Meeting	KEC/DEPT/HOD/F01	HOD-02	20	0	1	2	3	4	80	* Meeting minutes Verified
		Academic Audit –Action Taken	KEC/DEPT/IQAC/F01	IQI-01, 02,04, QP-00		0	1	2	3	4		* Action taken Verified
		Strategic Development – Centre of Excellence, Collaboration with Foreign Universities, New Courses	KEC/DEPT/HOD/F01	HOD-02	20	0	1	2	3	4	80	* COE available
		Faculty Training – FDP/NPTEL/Industry	KEC/DEPT/FST/F01	FST-01,03, 04	20	0	1	2	3	4	70	* Good recruitment ratio
		Faculty Qualification Improvement & Retention		R& D Quarterly Report		0	1	2	3	4		
		Skill up-gradation training for Supporting Staff	KEC/DEPT/FST/F01	FST-02/	20	0	1	2	3	4	60	* Document Verified
		Day to Day Activities and Parents-Teachers Meeting	KEC/DEPT/PRM/F01	PRO-01 to 04	20	0	1	2	3	4	80	* PTA Documents Verified
7.	Institutional Values and Best Practices (100)	Department Best Practices	File	Proof	30	0	1	2	3	4	90	
		Contribution towards Institutional Values and Social Responsibilities	File	Proof	50	0	1	2	3	4	167	* Document – Verified
		Contribution towards Special programmes	File	Proof		0	1	2	3	4		
		Human values and Professional Ethics related activities	File	Proof		0	1	2	3	4		
		Contribution towards Institutional Distinctiveness	File	Proof	20	0	1	2	3	4	60	* COE, FICT, Energy auditions
		Practices for Student Self learning	File	Proof		0	1	2	3	4		* NPTEL, Coding Club, Seminar – documents verified

S.No.	Criteria	Maximum Marks (1)	Weighted Average Marks (2)	Grade Point Average (2/1)	Major Remarks / Comments
1.	Curricular Aspects	150	469	3.13	-
2.	Teaching –Learning Process	300	1101	3.67	-
3.	Research, Innovation and Extension	150	373	2.49	Project to paper can be improved
4.	Infrastructure and Learning Resources	100	350	3.50	-
5.	Student Support and Progression	100	312	3.12	-
6.	Governance Leadership and Management	100	370	3.70	-
7.	Institutional Values and Best Practices	100	314	3.14	-
Total		1000	3292	22.78/7=3.25	-

1.  (Mr. S. Chandrasekar)  
 2.  (Dr. M. Sabarinath)

Signature of Department Coordinators  
 (with name)

1.  (Dr. V. Chitra Devi)  
 2.  (Mr. Arun Kumar).

Signature of Auditors  
 (with name and dept.)

  
 Head of the Department  
 (with seal)

Dr. A. SHEELA  
 ASSOCIATE PROFESSOR & HEAD  
 DEPT. OF ELECTRICAL & ELECTRONICS ENGG.  
 KONGU ENGINEERING COLLEGE  
 THOOPUPALAYAM (Po)  
 PERUNDURAI, ERODE - 638 060

**KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE-638060**

(Autonomous)

**INTERNAL QUALITY ASSURANCE CELL (IQAC)**

**ACADEMIC AUDIT 2022-2023 - ANALYSIS REPORT**

Name of the Department: Electrical and Electronics Engineering

Date(s) of Audit: 08.11.2023

**A. Strengths (Y)**

- Qualified and well experienced faculty and staff
- Consultancy and testing activities

**B. Concerns (C)**

- Students' opting for higher studies
- Student Entrepreneurs

**C. Weakness/Areas of improvement: (W)**

**D. Deficiencies: (D)**

Type of Conformities	Details of non-conformities	Objective Evidence	Cause Analysis
Major			
Minor			
Finding			
Observation	1. All IQAC documents needs authorization. 2. Faculty training Programme – Outcome can be documented. 3. CAT assessment pattern can be strictly followed as per syllabi. 4. Project to paper conversion can be improved.	1. Sample documents audited. 2. FST01 & FST02. 3. 22EET12 & 22EET21 – Course files. 4. RC-03.	✓ Authorisation part is not available in control document. It will be authorised in future. ✓ FTP's are used to organise courses. It will be documented. Assessment pattern will be followed as mentioned in the syllabus. Many papers are under review

1. Chitra Devi (Dr. V. Chitra Devi)

2. M. Arun Kumar (M. Arun Kumar)

**Auditors**

Name and Signature

1. 2023  
16/11/23

2. 2023  
16/11/23

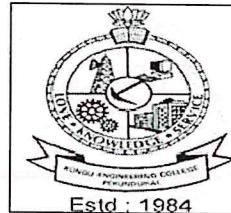
**IQAC Coordinator**

Name and Signature

(Mrs. S. Chandrasekaran)

(Dr. M. Sabarinath)

A. B. Ula  
HOD  
17/11/23



Department: Electrical and Electronics Engineering

Date: 17.02.2024

Nonconformities

S.No.	Process	Findings	Results of Root Cause Analysis	Intended Corrections and Corrective Actions	Responsible Person	Due date
----- NIL -----						

Observations (Opportunities for improvement)

S.No.	Process	Findings	Action	Responsible	Date
1.	Teaching – Learning Process	All IQAC Documents needs authorization	As authorization part is not available in control document, it was not done. It will be followed in future as per new formats.	All Faculty	15.02.2024
2.	Teaching – Learning Process	CAT Assessment pattern can be strictly followed as per syllabi	Assessment pattern will be followed as mention in the syllabus.	All Faculty and Course Co-Ordinator's	15.02.2024
3.	Research, Innovation and Extension	Project to paper conversion can be improved	Many papers were under review during the audit, some of which have since been published, and continuous monitoring is being done to increase the count.	All Faculty and Department R&D Co-Ordinator	15.02.2024
4.	Governance, Leadership and Management	Faculty Training Programme – Outcome can be documented	Their gained knowledge is used for conducting extra courses to students and it will be documented in future	All Faculty and Department FPP Coordinator	15.02.2024
5.	Student Support and Progression	Students opting for higher studies and Student Entrepreneurs are less	As many of them are placement interested, only few are opting for higher education and entrepreneurs.	Department HECE and EMDC Coordinator	15.02.2024

1. *Chitra Devi (Dr. V. CHITRA DEVI)*  
 2. *M. Selvi (Mr. Arun Kumar AP/Gen)*  
 Signature of Auditor

(Name with Designation &amp; Dept.)

*M. Sabarinath (Dr. M. Sabarinath) (Mr. S. Chandrasekaran)*  
 Auditee Dept. Coordinator  
 (Dr. M. Sabarinath) (Mr. S. Chandrasekaran)

*Chitra Devi (Dr. V. Chitra Devi)*  
 Auditee Dept. HOD

Audit file.



Estd : 1984

01-01-2023

Internal Quality Assurance Cell (IQAC)

### Audit Evaluation Sheet for the Academic Year 2022-2023

Date of Audit : 8. 11. 2023.

Auditors Name and Designation : 1. Dr T. Pradeep, Asst Prof / Civil  
2. D. Deepa APCSRGDI/CSE

Audited Department : Electronics and Instrumentation Engineering [EIE]

S.No	Criteria (Max Mark)	Parameters	File Name	Formats	Max. Mark	Circle the score (0-Low score , 4- High score)	Weighted Average	Observations
1.	Curricular Aspects (150)	Curriculum Design and Development process	KEC/DEPT/CDC/F01	CDC-01,02	40	0 1 2 3 <b>4</b>	160	168 credits
		Curriculum and syllabus – Planning and Implementation		CDC-03,04, 06		0 1 2 3 <b>4</b>		20VC 085, 86 one credit course introduced
		Dissemination of regulation, curriculum & Syllabus		CDC-05, 10		0 1 2 3 <b>4</b>		verified
		Minutes of BOS Meeting		CDC-08, 09		0 1 2 3 <b>4</b>		verified 2 int, 2 ext
		Revision in Elective courses		CDC-11		0 1 2 3 <b>4</b>		SCAD & elective course
		Value Added Courses – Organized and Participation of students	KEC/DEPT/NVA C/F01	NVC-01 to 06	30	0 1 2 3 <b>4</b>	120	3+1 courses verified
		Student involvement in field projects/internships		PC-05		0 1 2 3 <b>4</b>		field Projects verified
		Feedback System on Curriculum - Alumni, Course End Survey, Employer, Faculty, Graduate Exit Survey, Parent	KEC/DEPT/CDC/F01	CDC-07A, 07C, 07E, 07F, 07G, 07P	40	0 1 2 3 <b>4</b>	160	Parent, Alumny, Employer, student, Teacher verified
		Mapping of Course Outcomes and Programme Outcomes		CDC-03,04. 06		0 1 2 3 <b>4</b>		Integrated course control system verified
		Allotting courses to faculty based on expertise	KEC/DEPT/TTI/F01	TTI-01,02,ACO-02	40	0 1 2 3 <b>4</b>	160	Mr. Mounishwaraprabhu – control systems.
		Allotment of adequate number of hours in time table for theory/practical/project		TTI-03 to 06, HOD-07		0 1 2 3 <b>4</b>		Project work phase I verified

2.	Teaching -Learning Process (300)	Student Enrolment & Improvement in Student Quality	KEC/DEPT/HOD/F01	HOD-03	20	0	1	2	3	4	324 students 1:14 SPR  Co Y. allotment not matched with OP 20 EIT43 - Electrical machine drives M. M. Sazibulla E Dr. R. Rajaraman course files verified  OP BTL allotment not matching  mini Project conducted Tutorial was conducted Verified - Instructional instrument control system, Instrumentation system design lab, PLC, Instr Tech in agriculture Projects files verified  student sign missing 20E153, 20E151, 18E111 20 E146B, Course files verified. Faculty firm miss in Tutorials. 20 E1L41 - verified Lab manual - verify Rubrics followed, for lab 2 project  8 Lab, ALO7 verified  Attainment for 2022 batch verified. all direct assess In indirect assessment done PO based assessment to be done Report verified for employ feedback verified
		Student Teacher Ratio, Cadre Ratio & Adjunct Faculty		HOD-04		0	1	2	3	4	
		Structured Course Plan	KEC/DEPT/CCT/	CCO-01	100	0	1	2	3	4	
		Course Coordination Meeting		CCO-02		0	1	2	3	4	
		Course Delivery Methods – Use of ICT tools		Course File		0	1	2	3	4	
		Continuous Assessment (CA) Test Question Paper standards	KEC/DEPT/CCT/	TCO-05		0	1	2	3	4	
		Conduct of Continuous Assessment Tests		KEC/DEPT/TCO/F01		0	1	2	3	4	
		Remedial Measures for Slow Learners	KEC/DEPT/CCT/	Course File	100	0	1	2	3	4	350
		Adequate number of Assignments and Tutorials	KEC/DEPT/CCT/	Course File		0	1	2	3	4	
		Laboratory Plan	KEC/DEPT/CCL/	LT-01,LT09		0	1	2	3	4	
		Quality of Laboratory Manual		Course File		0	1	2	3	4	
		Project Work Review Schedule	KEC/DEPT/CCP/	PR-01,02 (Project file)	50	0	1	2	3	4	187.5
		Evaluation of CA Test papers	KEC/DEPT/CCT/	Course File		0	1	2	3	4	
		Evaluation of Assignments/Tutorials		Course File		0	1	2	3	4	
		Evaluating experiments – Rubrics/Periodically	KEC/DEPT/CCL/	Lab Manual		0	1	2	3	4	
		Evaluation of Projects through Review – Rubrics followed	KEC/DEPT/CCP/	Project file	80	0	1	2	3	4	384.0
		Continuous Assessment Test – Analysis	KEC/DEPT/CLA/F01	CLA03XL-1 CLA04XL-2		0	1	2	3	4	
		End Semester Result Analysis		CLA04XL1,2		0	1	2	3	4	
		Course Outcomes and Programme Outcomes Analysis – Direct & Indirect Assessments & Action Taken	KEC/DEPT/POM/F01	POM-01 to 05		0	1	2	3	4	
		Quality of Project Reports	KEC/DEPT/CCP/	Sample reports	80	0	1	2	3	4	304
		PAC and QIC formulation and Meeting minutes	KEC/DEPT/HOD/F01	HOD-09 to 12		0	1	2	3	4	

		Student Feedback on Course and Teacher	KEC/DEPT/IQI/F01	Feedback form and Action Taken	50	0	1	2	3	(4)	812 = 4 750 = 200	verified one faculty in one semester had ~75. Informed the concerned Action Taken. verified. Student feedback conclusion
		Course Monitoring Committee Meeting		CMC-01 to 04		0	1	2	3	(4)		
3.	Research, Innovation and Extension (150)	Seed money Proposals (student funding through IIC may be consider)	KEC/DEPT/RC/F01	Proof	20	0	1	2	3	4	23 = 0.60	Nil
		Submission of Project Proposals		RC-01		0	1	(2)	3	4	18.2	12/26
		Research Grants received		Proof		0	1	2	3	4		Nil
		Conference / seminar / workshop/FDP/STTP proposals submitted		RC-01	20	0	1	2	3	(4)	5 = 2.5	17/13 found good
		Conference / seminar / workshop/FDP/SSTP organized		Proof		0	(1)	2	3	4	50	1 organized
		Promotion of Start-ups	KEC/DEPT/HEC/F01	EMC-01 to 05	10	0	1	2	3	4	0	Nil
		Paper presentation by students	KEC/DEPT/RC/F01	Proof and consolidate list (SAP-XL)	50	0	1	2	(3)	4	12.2	260/364 papers presented
		Conversion of student projects into paper		RC-03		0	1	(2)	3	4		30 f. conversion note
		Quality Publications by faculty		RC-02		0	1	2	(3)	4		2102 verified
		Books/Book chapters/Conference proceedings		RC-04		0	1	2	3	(4)	100	Book chapters verified
		Patents filed/published/granted		RC-04		0	1	2	3	4		nil
		Awards for Innovation won by Teachers/Research scholars/ Clubs	KEC/DEPT/FST/F01	ASA-05		0	1	2	3	4		nil
		Faculty as Resource persons		Proof	20	0	(1)	2	3	4	3/3 = 1	Proof verified
		Professional development/administrative training programmes organized details		FST-07		0	1	(2)	3	4	20	49.5 f. achieved
		Industrial Consultancy/Testing Works	KEC/DEPT/IIPC/F01	IIPC-01,02,03		0	1	(2)	3	4		nil
		Corporate Training (IIPC/Other Grants)		IIPC-04		0	1	2	3	4		

		Association activities / Clubs/Professional Societies	EC/DEPT/ASA/F01	ASA-01 to 04	20	0	1	2	3	4	X-3	68	In programs conducted 4 news letter 97 inplant, 33 inter nil	
		In plant Training/Internship	KEC/DEPT/IPC/F01	IPC-01 to 04,PC-05		0	1	2	3	4				
		MoUs signed and activities	KEC/DEPT/IIPC/F01	IIPC-05		0	1	2	3	4			verified	
		Industrial visits arranged for students	KEC/DEPT/IPC/F01	IV-01 to IV-03		0	1	2	3	4	X-35		file verified	
		One Faculty- One Industry Progress	KEC/DEPT/RC/F01	IIPC-06		0	1	2	3	4			verified	
		Faculty interaction with industries and monitoring	KEC/DEPT/IIPC/F01	IIPC-01,07,08		0	1	2	3	4	35			
4.	Infrastructure and Learning Resources (100)	Physical facilities – Classrooms, Faculty cabin, seminar hall, Projectors, Printers, etc.	KEC/DEPT/FMM/01	FMM-01 to 04	30	0	1	2	3	4		120	verified - <del>ok</del> verified	
		Laboratory Maintenance Records/Registers	KEC/DEPT/Lab	LT-02 to 08		0	1	2	3	4			Budget utilization for latest equipment in 100%.	
		Equipment working conditions/Calibration				0	1	2	3	4			verified	
		Latest/Research Level equipments – Availability and Utilization				0	1	2	3	4				
		Utilization of budget	KEC/DEPT/HOD/F01, KEC/DEPT/DBC/F01	HOD-06 DBC-01 to 05	20	0	1	2	3	4	40	57% utilized Except Research latest equipment.		
		Department Library – Maintenance and utilization	KEC/DEPT/Lab	Records	20	0	1	2	3	4	40	Recent entries for utilization in logs.		
		Computing Facilities - Maintenance and utilization	KEC/DEPT/Lab	Records	30	0	1	2	3	4		120	All lab records are verified.	
		E-content development – Videos developed	KEC/DEPT/Lab	Records		0	1	2	3	4			verified in communication Faculty page.	
5.	Student Support and Progression (100)	Placement details and training plan for Skill Development	KEC/DEPT/PC/F01	PC-01 to 04	30	0	1	2	3	4	63	90	7 Prog. conducted	
		Awareness programmes on Higher Education	KEC/DEPT/HEC/F01	HEC-01 to 03		0	1	2	3	4			verified	
		Student participation and success in competitive examinations	KEC/DEPT/HEC/F01	HEC-04	40	0	1	2	3	4	64	64 19.00 21.21 96.5% 73.5% gr. 65 f. (22-23)	3 Students out of 19 qualified.	
		Percentage of students placed (Improvement over 3 years)	KEC/DEPT/PC/F01	PC-06,07		0	1	2	3	4	64			

		Percentage of students joined higher education	EC/DEPT/HEC/F01	HEC-05		0	3	2	3	4		Ver. find
		Student's participation in Co/Extra-curricular activities (Cultural, Sports, etc.)	KEC/DEPT/SAP/F01	SAP-01 to 04, SAP-XL	20	0	1	2	3	4	80	verified for 32 students award won in NIT
		Student achievements and awards		Proof								
		Alumni Visits, Meetings and Guest Lectures	KEC/DEPT/ALC/F01	ALC-01 to 05	10	0	1	2	3	4	40	Files verified
6.	Governance, Leadership and Management (100)	SWOT Analysis – Review Meeting	KEC/DEPT/HOD/F01	HOD-02	20	0	1	2	3	4	80	File verified
		Academic Audit –Action Taken	KEC/DEPT/IQAC/F01	IQI-01, 02,04, QP-00		0	1	2	3	4	80	File verified
		Strategic Development – Centre of Excellence, Collaboration with Foreign Universities, New Courses	KEC/DEPT/HOD/F01	HOD-02	20	0	1	2	3	4	80	CoE in IoT verified
		Faculty Training – FDP/NPTEL/Industry	KEC/DEPT/FST/F01	FST-01,03, 04	20	0	1	2	3	4	22.35	46 Nots verified
		Faculty Qualification Improvement & Retention		R& D Quarterly Report		0	1	2	3	4	70	
		Skill up-gradation training for Supporting Staff	KEC/DEPT/FST/F01	FST-02	20	0	1	2	3	4	80	3 NIE skills upgradations undergone
		Day to Day Activities and Parents-Teachers Meeting	KEC/DEPT/PRM/F01	PRO-01 to 04	20	0	1	2	3	4	80	verified
7.	Institutional Values and Best Practices (100)	Department Best Practices	File	Proof	30	0	1	2	3	4	98	High impact factor journal
		Contribution towards Institutional Values and Social Responsibilities	File	Proof		0	1	2	3	4	132.33	Drug awareness Program verified
		Contribution towards Special programmes	File	Proof	50	0	1	2	3	4	180	
		Human values and Professional Ethics related activities	File	Proof		0	1	2	3	4	180	Blood donation camp attended
		Contribution towards Institutional Distinctiveness	File	Proof	20	0	1	2	3	4	80	Hindi article & Centre of excellence
		Practices for Student Self learning	File	Proof		0	1	2	3	4	80	Nobel verified

S.No.	Criteria	Maximum Marks (1)	Weighted Average Marks (2)	Grade Point Average (2/1)	Major Remarks / Comments
1.	Curricular Aspects	150	600	4.0	—
2.	Teaching –Learning Process	300	1121.5	3.738	% allotment of KL varies between syllabus & B.P.
3.	Research, Innovation and Extension	150	278.2	1.85	Research grants/ Start ups / MOU may be improved.
4.	Infrastructure and Learning Resources	100	320	3.2	Budget utilisation is to be improved.
5.	Student Support and Progression	100	274	2.74	Involvement students in high education competitive examinations improved.
6.	Governance Leadership and Management	100	390	3.9	—
7.	Institutional Values and Best Practices	100	350	3.5	—
Total		1000	3333.7	22.928	—

1. Praveen 16/11/23 (Dr. T. Iceluram D)

2. Naveen 16/11/23 (Dr. N. MADHAN M)

Signature of Department Coordinators  
(with name)

1. Dr. T. Pradeep 16/11/23 ASD/CIVIL  
2. Dr. D. Deepa 16/11/23 AP(SRC) CCE

Signature of Auditors  
(with name and dept.)

  
R. S. 16/11/23  
Head of the Department  
(with seal)

*Audit file*

**KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE-638060**

**(Autonomous)**

**INTERNAL QUALITY ASSURANCE CELL (IQAC)**

**ACADEMIC AUDIT 2022-2023 - ANALYSIS REPORT**

**Name of the Department: Electronics and Instrumentation Engineering**

**Date(s) of Audit: 08.11.2023**

<b>A. Strengths (Y)</b>
1. Centre of Excellence in IOT
2. Industry interaction for academic activities
<b>B. Concerns (C)</b>
1. R&D activities / MOU/Patent
<b>C. Weakness/Areas of improvement: (W)</b>
1. Consultancy activities
<b>D. Deficiencies: (D)</b>
1. Department level programmes for Competitive Examinations and Higher education can be done.

Type of Conformities	Details of non-conformities	Objective Evidence	Cause Analysis
Major	-	-	-
Minor	1. Submission of the project proposals is less 2. Patent filling is Nil	RC01 RC04	Faculty members yet to schedule their work for spending some time to fulfill this.
Finding	1. Documents in the Course files are not arranged as per the course file index in the sample 2. Allotment of Knowledge level is found to be mismatch with QP and Syllabus	Course File- 20EIT43	Less care might be given. In future it will be rectified.
Observation	1. Documentation for Faculty interaction with outside world is not done. 2. Employer feedback based on Programme outcome is not obtained for indirect assessment. 3. Remedial class hours for analytical courses is less. 4. CO-PO attainment is not maintained in few course files of the academic year 2022-23.	FST/F01  POM/F01  Suggestion  Course File	Their format The details are not recorded as per format employers may not be approached Future, it will be done Before the end of this odd sem

1. TM [Signature] 16/11/23 [Dr.T Pradeep]  
2. DDC [Signature] 16/11/23 [Asst.Prof./CIVIL]  
Auditors

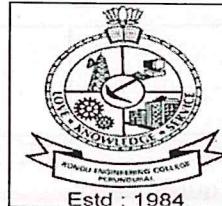
Name and Signature

**IQAC Coordinator**

Name and Signature

1. DR [Signature] 16/11/23 [Dr T. K. Selvaraj (HOD)]  
2. NMR [Signature] 16/11/23 [Dr. N. MADHAN MOTHI]

R. S. P.  
HOD 16/11/23



**Action List including Opportunities for Improvement**



**Department: EIE**

**Date: 16.11.23**

**Nonconformities**

S.No.	Process	Findings	Results of Root Cause Analysis	Intended Corrections and Corrective Actions	Responsible Person	Due date
1	RC-01	1. Submission of project proposals is less.	1. Faculty members yet to schedule their time in preparing concrete proposals.	1. Thrust areas of proposal submission have to be identified and multidisciplinary approach with publication can be followed.	R&D Coordinators	Dec 2024
	RC-04	2. Patent filing is nil	2. Innovative projects need to be motivated.	2. Innovative projects can be identified and motivated for patenting.	IPR and Project coordinators	

**Observations (Opportunities for improvement)**

S.No.	Process	Findings	Action	Responsible	Date
1.	Course File- 20EIT43	Documents in the course file are not arranged as per the course file index in the sample.	Concerned faculty is instructed to complete the documents.	Course faculty	20.11.23
2.	T&L	Allotment of knowledge	Deviation is beyond	Test Coordinators	-



### Audit Evaluation Sheet for the Academic Year 2022-2023

Date of Audit : 09.11.2023

Auditors Name and Designation : Dr. S. Kavitha Bharathi / CTUG - ASP  
Dr. M. Sabarinath / EEE - APG: 4  
Audited Department : IT

S.No	Criteria (Max Mark)	Parameters	File Name	Formats	Max. Mark	Circle the score (0-Low score , 4- High score)					Weighted Average	Observations
1.	Curricular Aspects (150)	Curriculum Design and Development process	KEC/DEPT/CDC/F01	CDC-01,02	40	0	1	2	3	4	160	* CDC 01-06 file verified.
		Curriculum and syllabus – Planning and Implementation		CDC-03,04, 06		0	1	2	3	4		* BOS minutes & CDC 05-10 verified.
		Dissemination of regulation, curriculum & Syllabus		CDC-05, 10		0	1	2	3	4		* VID Integrated course introduced in R22.
		Minutes of BOS Meeting		CDC-08, 09		0	1	2	3	4		* CDC-11 4 new courses identified.
		Revision in Elective courses		CDC-11		0	1	2	3	4		
		Value Added Courses – Organized and Participation of students	KEC/DEPT/NVA C/F01	NVC-01 to 06	30	0	1	2	3	4	120	* Value added courses 20VC012 & 20VC024 verified.
		Student involvement in field projects/internships		PC-05		0	1	2	3	4		* Internship projects verified.
		Feedback System on Curriculum - Alumni, Course End Survey, Employer, Faculty, Graduate Exit Survey, Parent	KEC/DEPT/CDC/F01	CDC-07A, 07C, 07E, 07F, 07G, 07P	40	0	1	2	3	4	160	* Based on the Stake holders feedback - Honours degree verified.
		Mapping of Course Outcomes and Programme Outcomes	KEC/DEPT/CDC/F01	CDC-03,04, 06	40	0	1	2	3	4	160	* Co - PO mapping verified.
		Allotting courses to faculty based on expertise	KEC/DEPT/TTI/F01	TTI-01,02,ACO-02		0	1	2	3	4		* Time table file verified.
		Allotment of adequate number of hours in time table for theory/practical/project		TTI-03 to 06, HOD-07		0	1	2	3	4		* Theory, practical project Hr. Verified.

2.	Teaching -Learning Process (300)	Student Enrolment & Improvement in Student Quality	KEC/DEPT/HOD/ F01	HOD-03	20	0	1	2	3	4	80	HOD file Verified CCO-01 - do ITT 53 - SLE verified, few findings in course file. (LP, Split up, K-Level) * usage of ICT tools - Online tool usage Verified for do ITT 52 & do ITT 62 * project file verified * CA test - knowledge Level may be verified during scrutiny. Need to maintain TCO format. * do ITL 61 - IUT Lab verified.  * IoT course file, Lab manual, Rubrics verified. * CLA03XL-1, CLA04XL-2,1 verified.  * End Semester Analysis verified. * Attachment 2018,2020 verified * Project sample report verified. * PAC, QAC minutes verified.
		Student Teacher Ratio, Cadre Ratio & Adjunct Faculty		HOD-04		0	1	2	3	4		
		Structured Course Plan	KEC/DEPT/CCT/	CCO-01	100	0	1	2	3	4		
		Course Coordination Meeting		CCO-02		0	1	2	3	4		
		Course Delivery Methods – Use of ICT tools		Course File		0	1	2	3	4		
		Continuous Assessment (CA) Test Question Paper standards	KEC/DEPT/CCT/	TCO-05		0	1	2	3	4		
		Conduct of Continuous Assessment Tests		KEC/DEPT/TCO/ F01		0	1	2	3	4		
		Remedial Measures for Slow Learners	KEC/DEPT/CCT/	Course File		0	1	2	3	4		
		Adequate number of Assignments and Tutorials		Course File		0	1	2	3	4		
		Laboratory Plan	KEC/DEPT/CCL/	LT-01,LT09		0	1	2	3	4		
		Quality of Laboratory Manual		Course File		0	1	2	3	4		
		Project Work Review Schedule	KEC/DEPT/CCP/	PR-01,02 (Project file)		0	1	2	3	4		
		Evaluation of CA Test papers		Course File		0	1	2	3	4		
		Evaluation of Assignments/Tutorials	KEC/DEPT/CCT/	Course File		0	1	2	3	4		
		Evaluating experiments – Rubrics/Periodically		KEC/DEPT/CCL/		0	1	2	3	4		
		Evaluation of Projects through Review – Rubrics followed	KEC/DEPT/CCP/	Project file		0	1	2	3	4		
		Continuous Assessment Test – Analysis	KEC/DEPT/CLA/ F01	CLA03XL-1 CLA04XL-2		0	1	2	3	4		
		End Semester Result Analysis		CLA04XL1,2		0	1	2	3	4		
		Course Outcomes and Programme Outcomes Analysis – Direct & Indirect Assessments & Action Taken	KEC/DEPT/POM/ F01	POM-01 to 05		0	1	2	3	4		
		Quality of Project Reports		KEC/DEPT/CCP/		0	1	2	3	4		
		PAC and QIC formulation and Meeting minutes	KEC/DEPT/HOD/ F01	HOD-09 to 12		0	1	2	3	4		

		Student Feedback on Course and Teacher	KEC/DEPT/IQI/F01	Feedback form and Action Taken	50	0	1	2	3	4	1180	* Student feed by Action taken verified.
		Course Monitoring Committee Meeting		CMC-01 to 04		0	1	2	3	4		* CMC (Action taken not clear)
3. Research, Innovation and Extension (150)		Seed money Proposals (student funding through IIC may be consider)	KEC/DEPT/RC/F01	Proof	20	0	1	2	3	4	13.33	* R&D Project proposal submission less
		Submission of Project Proposals		RC-01		0	1	2	3	4		* No live R&D Projects
		Research Grants received		Proof	20	0	1	2	3	4		* 2 Sponsored Seminar files verified.
		Conference / seminar / workshop/FDP/SSTP proposals submitted		RC-01		0	1	2	3	4		
		Conference / seminar / workshop/FDP/SSTP organized		Proof		0	1	2	3	4		
		Promotion of Start-ups	KEC/DEPT/HEC/F01	EMC-01 to 05	10	0	1	2	3	4	10	
		Paper presentation by students	KEC/DEPT/SAP/F01	Proof and consolidate list (SAP-XL)	50	0	1	2	3	4	14.66	* SAP-XL details verified.
		Conversion of student projects into paper	KEC/DEPT/RC/F01	RC-03		0	1	2	3	4		* Student project to paper conversion needs to be improved.
		Quality Publications by faculty		RC-02		0	1	2	3	4		
		Books/Book chapters/Conference proceedings		RC-04		0	1	2	3	4		
		Patents filed/published/granted		RC-04		0	1	2	3	4		
		Awards for Innovation won by Teachers/Research scholars/ Clubs	KEC/DEPT/FST/F01	ASA-05	20	0	1	2	3	4	53.33	* UHV - program organizer file verified.
		Faculty as Resource persons		Proof		0	1	2	3	4		* IIPC files verified
		Professional development/administrative training programmes organized details		FST-07		0	1	2	3	4		* No self supporting (IIPC) program coordinated.
		Industrial Consultancy/Testing Works	KEC/DEPT/IIPC/F01	IIPC-01,02,03		0	1	2	3	4		
		Corporate Training (IIPC/Other Grants)		IIPC-04		0	1	2	3	4		

		Association activities / Clubs/Professional Societies	KEC/DEPT/ASA/F01	ASA-01 to 04	20	0	1	2	3	4	66.66	* Association file - consolidated feedback need.	
		In plant Training/Internship	KEC/DEPT/IPC/F01	IPC-01 to 04,PC-05		0	1	2	3	4		* IV-01 to 03 details available, but one more only signed on Evaluation year.	
		MoUs signed and activities	KEC/DEPT/IIPC/F01	IIPC-05		0	1	2	3	4			
		Industrial visits arranged for students	KEC/DEPT/IPC/F01	IV-01 to IV-03		0	1	2	3	4		Formatting need improvement	
4.	Infrastructure and Learning Resources (100)	One Faculty- One Industry Progress	KEC/DEPT/RC/F01	IIPC-06	10	0	1	2	3	4	35		
		Faculty interaction with industries and monitoring	KEC/DEPT/IIPC/F01	IIPC-01,07,08		0	1	2	3	4			
4.	Infrastructure and Learning Resources (100)	Physical facilities – Classrooms, Faculty cabin, seminar hall, Projectors, Printers, etc.	KEC/DEPT/FMM/F01	FMM-01 to 04	30	0	1	2	3	4	112.5	* FMM-01 to 04 data's available, but formatting need improvement	
		Laboratory Maintenance Records/Registers	KEC/DEPT/Lab	LT-02 to 08		0	1	2	3	4			
		Equipment working conditions/Calibration				0	1	2	3	4			
		Latest/Research Level equipments – Availability and Utilization				0	1	2	3	4		* Lab files verified.	
		Utilization of budget	KEC/DEPT/HOD/F01, KEC/DEPT/DBC/F01	HOD-06 DBC-01 to 05	20	0	1	2	3	4	60	* DBC 01 to 05 - data's verified, formatting need improvement.	
		Department Library – Maintenance and utilization	KEC/DEPT/Lab	Records	20	0	1	2	3	4	80	* Files verified.	
		Computing Facilities - Maintenance and utilization	KEC/DEPT/Lab	Records	30	0	1	2	3	4	120		
		E-content development – Videos developed	KEC/DEPT/Lab	Records		0	1	2	3	4			
5.	Student Support and Progression (100)	Placement details and training plan for Skill Development	KEC/DEPT/PC/F01	PC-01 to 04	30	0	1	2	3	4	120	* PC-01 to 04 and HEC 01 to 05 - files verified.	
		Awareness programmes on Higher Education	KEC/DEPT/HEC/F01	HEC-01 to 03		0	1	2	3	4			
		Student participation and success in competitive examinations	KEC/DEPT/HEC/F01	HEC-04	40	0	1	2	3	4	133.3	* Good in Placement, So very few only joined in Higher Education.	
		Percentage of students placed (Improvement over 3 years)	KEC/DEPT/PC/F01	PC-06,07		0	1	2	3	4			

		Percentage of students joined higher education	KEC/DEPT/HEC/F01	HEC-05		0	1	2	3	4			
	Governance, Leadership and Management (100)	Student's participation in Co/Extra-curricular activities (Cultural, Sports, etc.)	KEC/DEPT/SAP/F01	SAP-01 to 04, SAP-XL	20	0	1	2	3	4	60	→ SAP-01 to 04, SAP-XL - data verified, but formatting need improvement.	
		Student achievements and awards		Proof									
		Alumni Visits, Meetings and Guest Lectures	KEC/DEPT/ALC/F01	ALC-01 to 05		10	0	1	2	3	4	40	Files verified.
		SWOT Analysis - Review Meeting	KEC/DEPT/HOD/F01	HOD-02	20	0	1	2	3	4	50	SWOT Analysis - Review meeting not clear Action taken - Academic Audit Verified.	
		Academic Audit -Action Taken	KEC/DEPT/IQAC/F01	IQI-01, 02, 04, QP-00		0	1	2	3	4			
		Strategic Development – Centre of Excellence, Collaboration with Foreign Universities, New Courses	KEC/DEPT/HOD/F01	HOD-02	20	0	1	2	3	4	40	Centre of Excellence – Activity verified.	
		Faculty Training – FDP/NPTEL/Industry	KEC/DEPT/FST/F01	FST-01, 03, 04	20	0	1	2	3	4	80	* NPTEL courses verified. → Faculty training – V.P. Jayaraman – Dr. A. A. Ans	
		Faculty Qualification Improvement & Retention		R&D Quarterly Report		0	1	2	3	4		* R&D report verified.	
		Skill up-gradation training for Supporting Staff	KEC/DEPT/FST/F01	FST-02	20	0	1	2	3	4	80	* Supporting staff K.T. Area visited.	
		Day to Day Activities and Parents-Teachers Meeting	KEC/DEPT/PRM/F01	PRO-01 to 04	20	0	1	2	3	4	60	PRO-01 to 04 verified few not in format	
	Institutional Values and Best Practices (100)	Department Best Practices	File	Proof	30	0	1	2	3	4	120	Proof may be contributed	
		Contribution towards Institutional Values and Social Responsibilities	File	Proof	50	0	1	2	3	4	66.6	NCC, Android club, – Department Specific not available	
		Contribution towards Special programmes	File	Proof		0	1	2	3	4			
		Human values and Professional Ethics related activities	File	Proof	20	0	1	2	3	4	40	Self learning form verified	
		Contribution towards Institutional Distinctiveness	File	Proof		0	1	2	3	4			
		Practices for Student Self learning	File	Proof		0	1	2	3	4			

S.No.	Criteria	Maximum Marks (1)	Weighted Average Marks (2)	Grade Point Average (2/1)	Major Remarks / Comments
1.	Curricular Aspects	150	600	4	Good in Curricular Aspects
2.	Teaching –Learning Process	300	1085	3.61	-
3.	Research, Innovation and Extension	150	289.98	2.59	R&D project proposal submission may improve
4.	Infrastructure and Learning Resources	100	372.5	3.72	-
5.	Student Support and Progression	100	353.3	3.53	-
6.	Governance Leadership and Management	100	310	3.1	-
7.	Institutional Values and Best Practices	100	226.6	2.26	Department specific may be included
Total		1000		3.25	

1. P. Natesan  
17/11/23 (P. NATESAN)

2. Gopal | 17/11/23 (E.M. Ropponen)

Signature of Department Coordinators  
(with name)

1. S. Balaji  
17/11/23 (Dr. S. Balaji Bherathi)

2. M. Sabarinath  
17/11/23 (Dr. M. Sabarinath)

Signature of Auditors  
(with name and dept.)

S. Jy  
17/11/23  
Head of the Department  
(with seal)

IQAC

**KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE-638060**  
**(Autonomous)**  
**INTERNAL QUALITY ASSURANCE CELL (IQAC)**  
**ACADEMIC AUDIT 2022-2023 - ANALYSIS REPORT**

**Name of the Department:** Information Technology

**Date(s) of Audit:** 09.11.2023

A. Strengths (Y)
<ul style="list-style-type: none"> <li>• 100 % Placement</li> <li>• IIPC – Student Projects</li> <li>• Lab Facilities</li> <li>• Books Published</li> </ul>
B. Concerns (C)
<ul style="list-style-type: none"> <li>• R&amp;D Projects</li> <li>• IIPC – training Activities</li> </ul>
C. Weakness/Areas of improvement: (W)
<ul style="list-style-type: none"> <li>• Students project to paper conversion to be improved.</li> </ul>
D. Deficiencies: (D)
NIL

Type of Conformities	Details of non-conformities	Objective Evidence	Cause Analysis
Major	-		
Minor	-		
Finding	-		

Observation	<ul style="list-style-type: none"> <li>Changes in syllabus list may be consolidated.</li> <li>IV file – formatting needs improvement</li> <li>Students SAP files formatting needs improvement</li> <li>Budget files formatting needs improvement</li> <li>Document Retrieval may be improved.</li> <li>Department Best Practices/ Criteria 7 file may be maintained.</li> </ul>	IV-01, IV-02 SAP-01 to SAP-04 and SAP-XL DBC-01 to 05	In Bos File the list has been Maintained. SAP, + IV Format ask Concern Faculty to be Maintained in format Budget has been Maintained format by the faculty. Department best practices file will be Maintained by the department
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S. helle  
18/11/13 (Dr. S. LAVINA DHARASHI)

M. Sabarinathan  
20/11/13 (Dr. M. Sabarinathan)

#### Auditors

Name and Signature

P. Meenakshi  
18/11/13 (Dr. P. Meenakshi)

C. Alpal  
18/11/13 (Dr. E.H. Roopa Devi)

#### IQAC Coordinator

Name and Signature

S. Jay  
20/11/13  
HOD

 Estd : 1984	KONGU ENGINEERING COLLEGE (Autonomous) PERUNDURAI – 638060 INTERNAL QUALITY ASSURANCE CELL	 CERT No.: 99-100-20788 ISO 9001 : 2015
<b>Action List including Opportunities for Improvement</b>		

Department: Information Technology

Date: 16.02.2024

Nonconformities :NILObservations (Opportunities for improvement)

S.No.	Process	Findings	Action to be Taken	Responsibility	Date
1.	BoS	Change in Syllabus list may be consolidated	In BoS file the list has been enclosed	BoS Coordinator	May 2024
2.	Industrial Visit	Industrial Visit file formatting needs improvement	Industry permission letter need to be maintained in file	IV Coordinator	May 2024
3.	Student Activity Point	Student SAP file formatting needs improvement	Student Activity Point file to be in proper format	All Class Advisors	May 2024
4.	Budget	Budget files formatting needs improvement	Budget details are asked to maintained in IQAC format	Budget Coordinator	May 2024
5.	Best Practices	Department Best practices file may be maintained	Department Best practices file need to maintained in department	All Faculty	May 2024

1. S. Vinita (S. KAUSHAL BHARATHI)  
16/2/2024

2. M. Sabarinath (Dr. M. Sabarinath)

Signature of Auditor

(Name with Designation &amp; Dept.)

P. Neelam  
Auditee Dept. Co-ordinator  
(Dr. P. NEELAM)S.  
16/2/2024  
Auditee Dept. HOD



Estd : 1984

### Audit Evaluation Sheet for the Academic Year 2022-2023

Date of Audit : 08.11.2023

Auditors Name and Designation

: Dr. P. Vishnuraja, ASP/CS  
 Mr. S. Selvaraj, APC(SRG)/CSD

Audited Department

: MECHATRONICS ENGINEERING.

S.No	Criteria (Max Mark)	Parameters	File Name	Formats	Max. Mark	Circle the score (0-Low score , 4- High score)					Weighted Average	Observations
1.	Curricular Aspects (150)	Curriculum Design and Development process	KEC/DEPT/CDC/ F01	CDC-01,02	40	0	1	2	3	4	$3.6 \times 40 = 144$	PAC Meeting photo completed Minutes available
		Curriculum and syllabus – Planning and Implementation		CDC-03,04, 06		0	1	2	3	4		
		Dissemination of regulation, curriculum & Syllabus		CDC-05, 10		0	1	2	3	4		
		Minutes of BOS Meeting		CDC-08, 09		0	1	2	3	4		
		Revision in Elective courses		CDC-11		0	1	2	3	4		
		Value Added Courses – Organized and Participation of students	KEC/DEPT/NVA C/F01	NVC-01 to 06	30	0	1	2	3	4	$3.5 \times 30 = 105$	Proofs available Attendance for inter students need to be maintained.
		Student involvement in field projects/internships		KEC/DEPT/PC/F01		0	1	2	3	4		
		Feedback System on Curriculum - Alumni, Course End Survey, Employer, Faculty, Graduate Exit Survey, Parent	KEC/DEPT/CDC/ F01	CDC-07A, 07C, 07E, 07F, 07G, 07P	40	0	1	2	3	4	160	
		Mapping of Course Outcomes and Programme Outcomes	KEC/DEPT/CDC/ F01	CDC-03,04, 06	40	0	1	2	3	4	$4 \times 40 = 160$	
		Allotting courses to faculty based on expertise	KEC/DEPT/TTI/F 01	TTI- 01,02,ACO-02		0	1	2	3	4		
		Allotment of adequate number of hours in time table for theory/practical/project		TTI-03 to 06, HOD-07		0	1	2	3	4		

2. Teaching -Learning Process (300)	Student Enrolment & Improvement in Student Quality Student Teacher Ratio, Cadre Ratio & Adjunct Faculty Structured Course Plan Course Coordination Meeting Course Delivery Methods – Use of ICT tools Continuous Assessment (CA) Test Question Paper standards Conduct of Continuous Assessment Tests Remedial Measures for Slow Learners Adequate number of Assignments and Tutorials Laboratory Plan Quality of Laboratory Manual Project Work Review Schedule Evaluation of CA Test papers Evaluation of Assignments/Tutorials Evaluating experiments – Rubrics/Periodically Evaluation of Projects through Review – Rubrics followed Continuous Assessment Test – Analysis End Semester Result Analysis Course Outcomes and Programme Outcomes Analysis – Direct & Indirect Assessments & Action Taken Quality of Project Reports PAC and QIC formulation and Meeting minutes	KEC/DEPT/HOD/ F01	HOD-03	20	0	1	2	3	4	$4 \times 20 = 80$	ICT TOOLS, Activity based learning, practical based learning, proof verified course contents available in website. Lecture Schedule and Log book dates mismatch.
			HOD-04		0	1	2	3	4	$4 \times 20 = 80$	
		KEC/DEPT/CCT/	CCO-01		0	1	2	3	4	$4 \times 20 = 80$	
			CCO-02		0	1	2	3	4	$4 \times 20 = 80$	
			Course File		0	1	2	3	4	$4 \times 20 = 80$	
		KEC/DEPT/CCT/	TCO-05 ✓	100	0	1	2	3	4	$3.4 \times 100 = 340$	
			TCO-01 to 04, 06,07		0	1	2	3	4	$3.4 \times 100 = 340$	
		KEC/DEPT/CCT/	Course File		0	1	2	3	4	$3.4 \times 100 = 340$	
		KEC/DEPT/CCT/	Course File		0	1	2	3	4	$3.4 \times 100 = 340$	
			LT-01,LT09		0	1	2	3	4	$3.4 \times 100 = 340$	
		KEC/DEPT/CCL/	Course File		0	1	2	3	4	$3.4 \times 100 = 340$	
			PR-01,02 (Project file)		0	1	2	3	4	$3.4 \times 100 = 340$	
		KEC/DEPT/CCT/	Course File	50	0	1	2	3	4	$4 \times 50 = 200$	Rubrics followed.
			Course File		0	1	2	3	4	$4 \times 50 = 200$	
		KEC/DEPT/CCL/	Lab Manual		0	1	2	3	4	$4 \times 50 = 200$	
			Project file		0	1	2	3	4	$4 \times 50 = 200$	
		KEC/DEPT/CLA/ F01	CLA03XL-1 CLA04XL-2	80	0	1	2	3	4	$3 \times 80 = 240$	Attendance - Shortage - sign not available proof shown . project reports seen.
			CLA04XL1,2		0	1	2	3	4	$3 \times 80 = 240$	
		KEC/DEPT/POM/ F01	POM-01 to 05		0	1	2	3	4	$3 \times 80 = 240$	
			Sample reports		0	1	2	3	4	$3 \times 80 = 240$	
		KEC/DEPT/HOD/ F01	HOD-09 to 12		0	1	2	3	4	$3 \times 80 = 240$	

		Student Feedback on Courses and Teacher	KEC/DEPT/IQI/F01	Feedback form and Action Taken	50	0	1	2	(3)	4	$3 \times 50 = 150$	feedback implemented in next semester
		Course Monitoring Committee Meeting		CMC-01 to 04		0	1	2	(3)	4		not implemented
3. Research, Innovation and Extension (150)	Seed money Proposals (student funding through IIC may be consider)	Proof	KEC/DEPT/RC/F01	0	1	(2)	3	4		$3 \times 20 = 60$	spark fund may includ submission proof is missing	
		RC-01		0	1	2	(3)	4				
		Proof		0	1	2	3	(4)				
		RC-01		0	(1)	2	3	4		$2.5 \times 20 = 50$	Less no. of proposals submitted,	
		Proof		0	1	2	3	(4)				
	Promotion of Start-ups	KEC/DEPT/HEC/F01	EMC-01 to 05	10	0	1	2	3	(4)	$4 \times 10 = 40$	* only 18% of Students have presented every year, $2.83 \times 50 = 141.5$ * only 3 papers published out of 33 projects (very less) * 19 out of 25 faculty have published paper	
	Paper presentation by students	KEC/DEPT/SAP/F01	Proof and consolidate list (SAP-XL)	50	0	(1)	2	3	4			
	Conversion of student projects into paper	RC-03	50	0	(1)	2	3	4				
	Quality Publications by faculty	RC-02	50	0	1	2	(3)	4				
	Books/Book chapters/Conference proceedings	RC-04	50	0	1	2	3	(4)				
	Patents filed/published/granted	RC-04	50	0	1	2	3	(4)				
	Awards for Innovation won by Teachers/Research scholars/ Clubs	ASA-05	50	0	1	2	3	(4)				
	Faculty as Resource persons	Proof	KEC/DEPT/FST/F01	20	0	1	2	3	(4)	$2.7 \times 20 = 53.34$	* Attach Geotaged Photo as proof * Corporate Training in ml.	
	Professional development/administrative training programmes organized details	FST-07		20	0	1	2	3	(4)			
	Industrial Consultancy/Testing Works	IIPC-01,02,03	KEC/DEPT/IIPC/F01	20	0	1	2	3	(4)			
	Corporate Training (IIPC/Other Grants)	IIPC-04		20	(0)	1	2	3	4			

		Association activities / Clubs/Professional Societies	KEC/DEPT/ASA/F01	ASA-01 to 04	20	0	1	2	3	4	$3.75 \times 20$ = 75	<p>* HOD Sign missing in IV Report.</p> <p>* One Faculty-one Industry (RA) include &amp; heel signed photo + Report</p>	
		In plant Training/Internship	KEC/DEPT/IPC/F01	IPC-01 to 04,PC-05		0	1	2	3	4			
		MoUs signed and activities	KEC/DEPT/IIPC/F01	IIPC-05		0	1	2	3	4			
		Industrial visits arranged for students	KEC/DEPT/IPC/F01	IV-01 to IV-03		0	1	2	3	4			
4.	Infrastructure and Learning Resources (100)	One Faculty- One Industry Progress	KEC/DEPT/RC/F01	IIPC-06	10	0	1	2	3	4	$1.5 \times 10$ = 15	<p>* One Faculty-one Industry (RA) include &amp; heel signed photo + Report</p> <p>* complaint Registers in missing</p>	
		Faculty interaction with industries and monitoring	KEC/DEPT/IIPC/F01	IIPC-01,07,08		0	1	2	3	4			
		Physical facilities – Classrooms, Faculty cabin, seminar hall, Projectors, Printers, etc.	KEC/DEPT/FMM/01	FMM-01 to 04		0	1	2	3	4	$3.25 \times 30$ = 97.5	<p>* Research equipment</p> <p>* Utilization Registers in missing</p>	
		Laboratory Maintenance Records/Registers	KEC/DEPT/Lab	LT-02 to 08		0	1	2	3	4			
		Equipment working conditions/Calibration				0	1	2	3	4			
		Latest/Research Level equipments – Availability and Utilization				0	1	2	3	4			
		Utilization of budget	KEC/DEPT/HOD/F01, KEC/DEPT/DBC/F01	HOD-06 DBC-01 to 05	20	0	1	2	3	4	$4 \times 20$ = 80		
		Department Library – Maintenance and utilization	KEC/DEPT/Lab	Records	20	0	1	2	3	4	$4 \times 20$ = 80		
5.	Student Support and Progression (100)	Computing Facilities - Maintenance and utilization	KEC/DEPT/Lab	Records	30	0	1	2	3	4	$4 \times 30$ = 120	<p>&lt;10% of Students only participated.</p>	
		E-content development – Videos developed	KEC/DEPT/Lab	Records		0	1	2	3	4			
		Placement details and training plan for Skill Development	KEC/DEPT/PC/F01	PC-01 to 04	30	0	1	2	3	4	$4 \times 30$ = 120		
		Awareness programmes on Higher Education	KEC/DEPT/HEC/F01	HEC-01 to 03		0	1	2	3	4			
		Student participation and success in competitive examinations	KEC/DEPT/HEC/F01	HEC-04	40	0	1	2	3	4	$2 \times 40$ = 80		
		Percentage of students placed (Improvement over 3 years)	KEC/DEPT/PC/F01	PC-06,07		0	1	2	3	4			

		Percentage of students joined higher education	KEC/DEPT/HEC/F01	HEC-05		0	1	2	3	4		< 5% students have joined PG
	Governance, Leadership and Management (100)	Student's participation in Co/Extra-curricular activities (Cultural, Sports, etc.)	KEC/DEPT/SAP/F01	SAP-01 to 04, SAP-XL	20	0	1	2	3	4	$3 \times 20 = 60$	
		Student achievements and awards		Proof								
		Alumni Visits, Meetings and Guest Lectures	KEC/DEPT/ALC/F01	ALC-01 to 05	10	0	1	2	3	4	$4 \times 10 = 40$	* Documents should be typed & Authenticated by HOD.
6.	Governance, Leadership and Management (100)	SWOT Analysis – Review Meeting	KEC/DEPT/HOD/F01	HOD-02	20	0	1	2	3	4	$3.5 \times 20 = 70$	
		Academic Audit –Action Taken	KEC/DEPT/IQAC/F01	IQI-01, 02, 04, QP-00		0	1	2	3	4	$= 70$	Academic Audit
		Strategic Development – Centre of Excellence, Collaboration with Foreign Universities, New Courses	KEC/DEPT/HOD/F01	HOD-02	20	0	1	2	3	4	$4 \times 20 = 80$	Centre of Excellence - 2
		Faculty Training – FDP/NPTEL/Industry	KEC/DEPT/FST/F01	FST-01, 03, 04	20	0	1	2	3	4	$3 \times 20 = 60$	33% faculty not gone for Training.
		Faculty Qualification Improvement & Retention		R& D Quarterly Report		0	1	2	3	4		
		Skill up-gradation training for Supporting Staff	KEC/DEPT/FST/F01	FST-02	20	0	1	2	3	4	$2 \times 20 = 40$	
		Day to Day Activities and Parents-Teachers Meeting	KEC/DEPT/PRM/F01	PRO-01 to 04	20	0	1	2	3	4	$4 \times 20 = 80$	
7.	Institutional Values and Best Practices (100)	Department Best Practices	File	Proof	30	0	1	2	3	4	$4 \times 30 = 120$	
		Contribution towards Institutional Values and Social Responsibilities	File	Proof		0	1	2	3	4		$4 \times 50 = 200$
		Contribution towards Special programmes	File	Proof		0	1	2	3	4		
		Human values and Professional Ethics related activities	File	Proof		0	1	2	3	4		
		Contribution towards Institutional Distinctiveness	File	Proof	20	0	1	2	3	4	$4 \times 20 = 80$	Good Number of NPTEL Courses completed.
		Practices for Student Self learning	File	Proof		0	1	2	3	4		

S.No.	Criteria	Maximum Marks (1)	Weighted Average Marks (2)	Grade Point Average (2/1)	Major Remarks / Comments
1.	Curricular Aspects	150	569	3.79	Intern Students attendance Should Be maintained.
2.	Teaching –Learning Process	300	1010	3.36	Date in Log book & Lecture Schedule to be checked.
3.	Research, Innovation and Extension	150	435.04	2.90	Less number of proposals sent.
4.	Infrastructure and Learning Resources	100	377.5	3.78	Research equipments under utilized.
5.	Student Support and Progression	100	300	3	Outside participation is very less
6.	Governance Leadership and Management	100	330	3.30	All faculty need to attend Training
7.	Institutional Values and Best Practices	100	400	4.00	-
Total		1000	3421.54	24.13 .	-

Signature of Department Coordinators  
(with name)

( Dr. K. GOMATHI )

1) ~~Levai~~ 15/11/23 (P. Rithika Raja).  
2) ~~Levai~~ 15/11/23 (S. Selvaraj)  
Signature of Auditors  
(with name and dept.)

Head of the Department  
(with seal)

K C

**KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE-638060**  
**(Autonomous)**  
**INTERNAL QUALITY ASSURANCE CELL (IQAC)**  
**ACADEMIC AUDIT 2022-2023 - ANALYSIS REPORT**

**Name of the Department: Mechatronics**  
**Date(s) of Audit: 08.11.2023**

**A. Strengths (Y)**

Well Documentation, Good retrieval of Documents

**B. Concerns (C)**

Insist all faculty to publish journals and apply proposals

**C. Weakness/Areas of improvement: (W)**

Unpaid journals need to be concentrated.

Students outside participation need to be improved

**D. Deficiencies: (D)**

Less than 10 % of students participated in Competitive exams.

Higher education Very less.

Type of Conformities	Details of non-conformities	Objective Evidence	Cause Analysis
Major	---	—	—
Minor	1. Lab Equipment Complaint register and Research equipment Utilization register is missing.	Started to maintain R&D utilization & complaint register	Completed
Finding	1. Training undergone by faculty need to be improved. 2. Log book and Lecture schedule date mismatch. 3. Less number of seminar / workshop proposals submitted. 4. Only 18% of students presented papers outside. 5. Conversion of students project to paper is less 6. 6 faculty have not published papers. <small>7b</small>	Insisted faculty to undergo training → Lecture Plan modified Insisted faculty to submit more seminar proposal Encourage the students to present more paper. Still more papers are under review Insisted concerned faculty to publish their paper per faculty plan	Informed to concerned faculty completed Informed to all faculty will be published next semester Will be published in upcoming year Informed to concerned faculty
Observation	1. Intern attendance need to be maintained. 2. Geo Tag photo is missing 3. HoD authentication is missing in IV Reports 4. Less than 10 % of students participated in Competitive exams. 5. Higher education Very less.	- Informed intern students to provide attendance through placement cell - will be ensured that report photos Geotagged. to be included. - motivate the students to participate in more	Will be maintained from current year - included to the - completed - motivate the students to participate in more exams next sem.

**Auditors**

Name and Signature

1) *Murugai (15/11/23 P. rukmini)*

**IQAC Coordinator**

Name and Signature

*(Dr. K. Gomathi)*

**HOD**

*Jan/11/23*

*exams next sem.*

2) *(S. S. Selvaraj)*

	KONGU ENGINEERING COLLEGE (Autonomous) PERUNDURAI – 638060 INTERNAL QUALITY ASSURANCE CELL	
<b>Action List including Opportunities for Improvement</b>		

Department: Mechatronics Engineering

Date:16.02.2024

**Nonconformities: NIL**

S.No.	Process	Findings	Results of Root Cause Analysis	Intended Corrections and Corrective Actions	Responsible Person	Due date

**Observations (Opportunities for improvement)**

S.No.	Process	Findings	Action	Responsible	Date
1	Higher Education	Less than 10% of students participated in competitive exams and higher education is much less	<ul style="list-style-type: none"> <li>More than 95% of students are opted placement activity. So &gt;5% of students are participated in exam 01 – students cleared CAT exam secured 95.66%</li> <li>AY23-24 GATE,CAT,UPSC awareness programme 04 conducted</li> </ul>	Dr.N.Muralidharan/ Higher Education co-ordinator	31.12.2023
2	Seminar / Workshop Proposal	Less number of seminar/workshop proposals submitted	Asked non PhD faculty members to submit more seminar proposals	Dr.R.Nithyaprakash/ R&D Co-ordinator	31.05.2024
3	Student's outside participation	Student's outside participation is less	Students motivation level for attending outside college was lesser. Hence regular monitoring of students participation outside is made by each coordinator	Dr.N.Nithyavathy	30.04.2024
4	Journal Publication	Unpaid journals need to be concentrated	Asked faculty to avoid pursuing articles in open access journals	Dr.R.Nithyaprakash	31.05.2024

*Signature 16/2/24*  
Signature of Auditor

*Signature 16/2/24*  
Auditee Dept. Coordinator

*Signature 16/2/24*  
Auditee Dept. HOD



### Audit Evaluation Sheet for the Academic Year 2022-2023

Auditors Name and Designation

1. Dr. MAHESWARAN. S / ASP  
2. Mr. K.S. KARTHI VINITH / AP

Date of Audit : 9. NOV. 2023

Audited Department

FOOD TECHNOLOGY

S.No	Criteria (Max Mark)	Parameters	File Name	Formats	Max. Mark	Circle the score (0-Low score , 4- High score)					Weighted Average	Observations
1.	Curricular Aspects (150)	Curriculum Design and Development process	KEC/DEPT/CDC/F01	CDC-01,02	40	0	1	2	3	4	20/5 = 4x40 = 160	Verified
		Curriculum and syllabus – Planning and Implementation		CDC-03,04, 06		0	1	2	3	4		
		Dissemination of regulation, curriculum & Syllabus		CDC-05, 10		0	1	2	3	4		
		Minutes of BOS Meeting		CDC-08, 09		0	1	2	3	4		
		Revision in Elective courses		CDC-11		0	1	2	3	4		
		Value Added Courses – Organized and Participation of students	KEC/DEPT/NVA C/F01	NVC-01 to 06	30	0	1	2	3	4	7/2 = 3.5x30 = 105	Revisions have been done Documents should be in order Industry projects can be included
		Student involvement in field projects/internships		PC-05		0	1	2	3	4		
		Feedback System on Curriculum - Alumni, Course End Survey, Employer, Faculty, Graduate Exit Survey, Parent	KEC/DEPT/CDC/F01	CDC-07A, 07C, 07E, 07F, 07G, 07P	40	0	1	2	3	4	4/1 = 4x40 = 160	Dept. received feedback & follow actions are in place
		Mapping of Course Outcomes and Programme Outcomes		CDC-03,04, 06		0	1	2	3	4	16/3	
		Allotting courses to faculty based on expertise	KEC/DEPT/TTI/F01	TTI-01,02,ACO-02	40	0	1	2	3	4	4x40 = 160	
		Allotment of adequate number of hours in time table for theory/practical/project		TTI-03 to 06, HOD-07		0	1	2	3	4		Verified

2.	Teaching -Learning Process (300)	Student Enrolment & Improvement in Student Quality	KEC/DEPT/HOD/ F01	HOD-03	20	0	1	2	(3)	4	5/2 = $2.5 \times 20$ = 50	Direct & Ind yr students ratio: - Low Only one ASP present No Adjunct faculty K-level to be checked in all documents Part-B Question may start from K2 Non option to give reviewer comments verified
		Student Teacher Ratio, Cadre Ratio & Adjunct Faculty		HOD-04		0	1	(2)	3	4	= 50	
		Structured Course Plan	KEC/DEPT/CCT/	CCO-01	100	0	1	2	(3)	4	Not applicable	
		Course Coordination Meeting		CCO-02		0	1	2	3	4	33/9 = $3.67 \times 100$ = 367	
		Course Delivery Methods – Use of ICT tools		Course File		0	1	2	3	(4)	Part-B Question may start from K2	
		Continuous Assessment (CA) Test Question Paper standards	KEC/DEPT/CCT/	TCO-05		0	1	2	(3)	4		
		Conduct of Continuous Assessment Tests	KEC/DEPT/TCO/ F01	TCO-01 to 04, 06,07		0	1	2	3	(4)		
		Remedial Measures for Slow Learners	KEC/DEPT/CCT/	Course File		0	1	2	(3)	4		
		Adequate number of Assignments and Tutorials	KEC/DEPT/CCT/	Course File		0	1	2	3	(4)		
		Laboratory Plan	KEC/DEPT/CCL/	LT-01,LT09		0	1	2	3	(4)		
		Quality of Laboratory Manual		Course File		0	1	2	3	(4)		
		Project Work Review Schedule	KEC/DEPT/CCP/	PR-01,02 (Project file)		0	1	2	3	(4)		
		Evaluation of CA Test papers	KEC/DEPT/CCT/	Course File	50	0	1	2	3	(4)	15/4 = $3.75 \times 50$	Non option to give reviewer comments
		Evaluation of Assignments/Tutorials		Course File		0	1	2	3	(4)		
		Evaluating experiments – Rubrics/Periodically	KEC/DEPT/CCL/	Lab Manual		0	1	2	3	(4)		
		Evaluation of Projects through Review – Rubrics followed	KEC/DEPT/CCP/	Project file		0	1	2	(3)	4	= 187.5	
		Continuous Assessment Test – Analysis	KEC/DEPT/CLA/ F01	CLA03XL-1 CLA04XL-2	80	0	1	2	3	(4)	20/5 = $4 \times 80$	Non option to give reviewer comments verified
		End Semester Result Analysis		CLA04XL1,2		0	1	2	3	(4)		
		Course Outcomes and Programme Outcomes Analysis – Direct & Indirect Assessments & Action Taken.	KEC/DEPT/POM/ F01	POM-01 to 05		0	1	2	3	(4)	= 320	
		Quality of Project Reports	KEC/DEPT/CCP/	Sample reports		0	1	2	3	(4)		
		PAC and QIC formulation and Meeting minutes	KEC/DEPT/HOD/ F01	HOD-09 to 12		0	1	2	3	(4)		

		Student Feedback on Course and Teacher	KEC/DEPT/IQI/F01	Feedback form and Action Taken	50	0	1	2	3	4	$\frac{8}{2}$ $= 4 \times 50$ $= 200$	No one got less than required level.
		Course Monitoring Committee Meeting		CMC-01 to 04		0	1	2	3	4		
3. Research, Innovation and Extension (150)		Seed money Proposals (student funding through IIC may be consider)	KEC/DEPT/RC/F01	Proof	20	0	1	2	3	4	$\frac{7}{2}$ $= 3.5 \times 20$ $= 70$	* NO seed money + 2 proposals sent
		Submission of Project Proposals		RC-01		0	1	2	3	4		
		Research Grants received		Proof		0	1	2	3	4		+ 1 ongoing & 2 TNCST per year.
		Conference / seminar / workshop/FDP/STTP proposals submitted		RC-01	20	0	1	2	3	4	$\frac{1}{2}$ $= 0.5 \times 20$ $= 10$	* 1 proposal sent
		Conference / seminar / workshop/FDP/SSTP organized		Proof		0	1	2	3	4		+ NO programme organised.
		Promotion of Start-ups	KEC/DEPT/HEC/F01	EMC-01 to 05	10	0	1	2	3	4	$\frac{2}{4}$ $= 0.5 \times 10 = 5$	* 1 start-up
		Paper presentation by students		Proof and consolidate list (SAP-XL)	50	0	1	2	3	4	$\frac{21}{6}$ $= 3.5 \times 50$ $= 175$	* Total students 174 & 100% + only one project = 3.9% + SCI-13, SCOPUS-2, Web-1 = 100%.
		Conversion of student projects into paper	KEC/DEPT/RC/F01	RC-03		0	1	2	3	4		
		Quality Publications by faculty		RC-02		0	1	2	3	4		
		Books/Book chapters/Conference proceedings		RC-04		0	1	2	3	4		* 2 Book chapters
		Patents filed/published/granted		RC-04		0	1	2	3	4		* 1 Patent Filed
		Awards for Innovation won by Teachers/Research scholars/ Clubs	KEC/DEPT/FST/F01	ASA-05	20	0	1	2	3	4		* 1 Faculty
		Faculty as Resource persons		Proof		0	1	2	3	4	$\frac{5}{3}$ $= 1.6 \times 20$ $= 33.33$	* Proof available + NO professional training available.
		Professional development/administrative training programmes organized details		FST-07		0	1	2	3	4		
		Industrial Consultancy/Testing Works	KEC/DEPT/IIPC/F01	IIPC-01,02,03		0	1	2	3	4		+ Consulting & testing = 35%.
		Corporate Training (IIPC/Other Grants)		IIPC-04		0	1	2	3	4		+ no corporate training.

		Association activities / Clubs/Professional Societies	KEC/DEPT/ASA/F01	ASA-01 to 04	20	0	1	2	3	(4)	$\frac{16}{4}$ $= 4 \times 20$ $= 80$	* 8 Events + Inplant training = 100%. Internship = 100%. + 5 MoU's & 7 activities + IV - 4th yr - 3, 3rd yr - 2, 2nd yr - 2	
		In plant Training/Internship	KEC/DEPT/IPC/F01	IPC-01 to 04,PC-05		0	1	2	3	(4)			
		MoUs signed and activities	KEC/DEPT/IIPC/F01	IIPC-05		0	1	2	3	(4)			
		Industrial visits arranged for students	KEC/DEPT/IPC/F01	IV-01 to IV-03		0	1	2	3	(4)			
		One Faculty- One Industry Progress	KEC/DEPT/RC/F01	IIPC-06		0	1	2	3	(4)	$\frac{8}{2}$ $= 4 \times 10$ $= 40$	11 Faculty - 8 companies.	
		Faculty interaction with industries and monitoring	KEC/DEPT/IIPC/F01	IIPC-01,07,08		0	1	2	3	(4)			
4.	Infrastructure and Learning Resources (100)	Physical facilities – Classrooms, Faculty cabin, seminar hall, Projectors, Printers, etc.	KEC/DEPT/FMM/01	FMM-01 to 04	30	0	1	2	3	(4)	$\frac{14}{4}$ $= 3.5 \times 30$ $= 105$		
		Laboratory Maintenance Records/Registers	KEC/DEPT/Lab	LT-02 to 08		0	1	2	3	(4)			
		Equipment working conditions/Calibration				0	1	(2)	3	4			
		Latest/Research Level equipments – Availability and Utilization				0	1	2	3	(4)			
		Utilization of budget	KEC/DEPT/HOD/F01, KEC/DEPT/DBC/F01	HOD-06 DBC-01 to 05	20	0	1	2	3	(4)	$\frac{4}{1}$ $= 4 \times 20$ $= 80$		
		Department Library – Maintenance and utilization	KEC/DEPT/Lab	Records	20	0	1	2	3	(4)	$\frac{4}{1}$ $= 4 \times 20$ $= 80$		
		Computing Facilities - Maintenance and utilization	KEC/DEPT/Lab	Records	30	0	1	2	3	(4)	$\frac{5}{2}$ $= 2.5 \times 30$		
		E-content development – Videos developed	KEC/DEPT/Lab	Records		0	(1)	2	3	4	$= 75$	* E-content - PPT only	
5.	Student Support and Progression (100)	Placement details and training plan for Skill Development	KEC/DEPT/PC/F01	PC-01 to 04	30	0	1	2	3	(4)	$\frac{8}{2}$ $= 4 \times 30$ $= 120$		
		Awareness programmes on Higher Education	KEC/DEPT/HEC/F01	HEC-01 to 03		0	1	2	3	(4)			
		Student participation and success in competitive examinations	KEC/DEPT/HEC/F01	HEC-04	40	0	1	2	3	(4)	$\frac{12}{3}$ $= 4 \times 40$ $= 160$		
		Percentage of students placed (Improvement over 3 years)	KEC/DEPT/PC/F01	PC-06,07		0	1	2	3	(4)		* $36/4 = 87.8\%$	

		Percentage of students joined higher education	KEC/DEPT/HEC/F01	HEC-05		0	1	2	3	4			
	6.	Student's participation in Co/Extra-curricular activities (Cultural, Sports, etc.)	KEC/DEPT/SAP/F01	SAP-01 to 04, SAP-XL	20	0	1	2	3	4	$\frac{2}{1} = 2 \times 20 = 40$	* Participants below 50%.	
		Student achievements and awards		Proof									
		Alumni Visits, Meetings and Guest Lectures	KEC/DEPT/ALC/F01	ALC-01 to 05		10	0	1	2	3	4	$\frac{4}{1} = 4 \times 10 = 40$	40 out of 4 = 100%.
	Governance, Leadership and Management (100)	SWOT Analysis – Review Meeting	KEC/DEPT/HOD/F01	HOD-02	20	0	1	2	3	4	$\frac{7}{2} = 3.5 \times 20 = 70$		
		Academic Audit – Action Taken	KEC/DEPT/IQAC/F01	IQI-01, 02, 04, QP-00		0	1	2	3	4		= 70	
		Strategic Development – Centre of Excellence, Collaboration with Foreign Universities, New Courses	KEC/DEPT/HOD/F01	HOD-02	20	0	1	2	3	4	$\frac{3}{1} = 3 \times 20 = 60$	* Collaboration with foreign universities	
		Faculty Training – FDP/NPTEL/Industry	KEC/DEPT/FST/F01	FST-01, 03, 04	20	0	1	2	3	4	$\frac{8}{2} = 4 \times 20 = 80$	Faculty Training - 13	
		Faculty Qualification Improvement & Retention		R& D Quarterly Report		0	1	2	3	4			total no. of Faculty = 15 Retained - 14
		Skill up-gradation training for Supporting Staff	KEC/DEPT/FST/F01	FST-02	20	0	1	2	3	4	$\frac{4}{1} = 4 \times 20 = 80$	4 out of 7	
		Day to Day Activities and Parents-Teachers Meeting	KEC/DEPT/PRM/F01	PRO-01 to 04	20	0	1	2	3	4	$\frac{4}{1} = 4 \times 20 = 80$	Proof available.	
	7.	Department Best Practices	File	Proof	30	0	1	2	3	4	$\frac{4}{1} = 4 \times 30 = 120$	Funded Projects	
		Contribution towards Institutional Values and Social Responsibilities	File	Proof	50	0	1	2	3	4	$\frac{4}{1} = 3.6 \times 50 = 180$	* Dr. R. Basak - Food Safety Advisory committee	
		Contribution towards Special programmes	File	Proof		0	1	2	3	4			+ NSS & NCC
		Human values and Professional Ethics related activities	File	Proof		0	1	2	3	4			+ Soft skills training.
		Contribution towards Institutional Distinctiveness	File	Proof	20	0	1	2	3	4	$\frac{8}{2} = 4 \times 20 = 80$	* FOSTAC - Testing centre	
		Practices for Student Self learning	File	Proof		0	1	2	3	4			+ NPTEL projects.

S.No.	Criteria	Maximum Marks (1)	Weighted Average Marks (2)	Grade Point Average (2/1)	Major Remarks / Comments
1.	Curricular Aspects	150	585	3.9	-
2.	Teaching -Learning Process	300	1124.5	3.75	-
3.	Research, Innovation and Extension	150	408.33	2.7	need attention on a Proposal
4.	Infrastructure and Learning Resources	100	340	3.4	-
5.	Student Support and Progression	100	360	3.6	-
6.	Governance Leadership and Management	100	370	3.7	-
7.	Institutional Values and Best Practices	100	383.3	3.83	-
Total		1000	3,571.13	24.88	

1. *Chaitra* 16/11/23 (Dr. V. Chaitra Devi)

2. *M* 16/11/23 (M.J. Shrawanthy)

Signature of Department Coordinators  
(with name)

1. *S. m* 16/11/23  
Dr. MAHESWARAN.S/ECE

2. *K&L* 16/11/23  
K. GORIYAN VENKAT  
Auto

R. Omur 16/11/23  
Head of the Department  
(with seal)

## INTERNAL QUALITY ASSURANCE CELL (IQAC)

## ACADEMIC AUDIT 2022-2023 - ANALYSIS REPORT

Name of the Department: Food Technology

Date(s) of Audit: 09.11.2023

<b>A. Strengths (Y)</b> Ongoing R & D project
<b>B. Concerns (C)</b> Project to paper conversion and Students participants in other activities
<b>C. Weakness/Areas of improvement: (W)</b> Organizing number of programmes like FDP and workshop
<b>D. Deficiencies: (D)</b>

Type of Conformities	Details of non-conformities	Objective Evidence	Cause Analysis
Major			
Minor			
Finding	1. No conference/ workshop / FDP/ STTP is organized 2. No conference/ workshop / FDP/ STTP is proposal is submitted 3. No corporate training is provided. 4. No Adjunct Faculty	1. RC – 01 / Proof 2. RC – 01 / Proof 3. HOD – 04 4. RC - 01	1. Faculty need more focus / importance on conference/ workshop / FDP/ STTP organizing. 2. Faculty need more focus / importance on conference/ workshop / FDP/ STTP proposal submission 3. Not identified any need for specific corporate training. 4. As the course is very specific, identification of adjunct faculty is difficult.
Observation	1. Students' participation in Co/Extra Curricular activities is low. below 50%. 2. Project to paper is very few. 3. E-content : video is not developed	1. SAP 01 – 04 2. RC – 03 3. Records	1. Students need more motivation in Co/Extra Curricular activities 2. Few papers that are submitted, got rejected. Needs more effort. 3. Other forms of E-content such as E-Handouts and E-Materials are developed.

1. S. M. Dr. nareshwaran S  
 2. K. S. Kantharajumai  
 C/o. 6 Orms, VVJ  
**Auditors**  
 Name and Signature

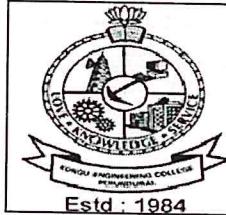
1. Chitra  
 17/11/2023 (Dr. V. Chitra Devi)

2. M. J. SHIVASWAMY  
 18/11/2023 (M. J. SHIVASWAMY)

**IQAC Coordinator**  
 Name and Signature

R. Omur  
 17/11/23

**HOD**



**Action List including Opportunities for Improvement**

**Department: Food Technology**

**Date: 15.2.2024**

**Nonconformities**

S.No.	Process	Findings	Results of Root Cause Analysis	Intended Corrections and Corrective Actions	Responsible Person	Due date
NIL						

**Observations (Opportunities for improvement)**

S.No.	Process	Findings	Action	Responsible	Date
1.	Student support and Progression	Students participation in Co/Extra curricular activities is low, below 50%.	Students have been encouraged to participate in Co/extra curricular activities	Class advisors and Mentors	May 2024
2.	Infrastructure and Learning Research	E Content: Video is not developed	E-resources in the form of e-handouts and e-materials are available and regularly updated	All faculty	May 2024
3.	Research Innovation and Extension	Project to Paper is very few	UG and PG projects has been communicated and are in process	All faculty and research coordinator	May 2024
		Conference/workshop/FDP/STTPs proposals not submitted and organized	Proposals have been submitted to the funding agencies	All faculty and research coordinator	May 2024
		No Corporate training is provided	Two faculty deputed for FOSTAC training	HOD	May 2024
4	Teaching learning Process	No Adjunct faculty	Adjunct faculty identification is in progress	HOD	May 2024

1. *16 Feb Dr. Maheswaran.s*

2. *ks.karthy vini - cs. kanchan*  
Signature of Auditor  
(Name with Designation & Dept.)

*John Baldev*  
Auditee Dept. Coordinator

*16/02/2024*  
Auditee Dept. HOD



### Audit Evaluation Sheet for the Academic Year 2022-2023

Date of Audit : 08.11.23

Auditors Name and Designation : Dr. K. MANSULA RANI & Ms. M. MEENALOCHINI  
ASP / CHEMISTRY AP / CSO

Audited Department : AUTOMOBILE ENGINEERING

S.No	Criteria (Max Mark)	Parameters	File Name	Formats	Max. Mark	Circle the score (0-Low score , 4- High score)					Weighted Average	Observations
I.	Curricular Aspects (150)	Curriculum Design and Development process	KEC/DEPT/CDC/F01	CDC-01,02	40	0	1	2	3	4	152	Curriculum design and syllabus planning is verified BOS meeting minutes - Verified
		Curriculum and syllabus – Planning and Implementation		CDC-03,04, 06		0	1	2	3	4		
		Dissemination of regulation, curriculum & Syllabus		CDC-05, 10		0	1	2	3	4		
		Minutes of BOS Meeting		CDC-08, 09		0	1	2	3	4		
		Revision in Elective courses		CDC-11		0	1	2	3	4		
		Value Added Courses – Organized and Participation of students	KEC/DEPT/NVA C/F01	NVC-01 to 06	30	0	1	2	3	4	105	Student involvement in internships is verified
		Student involvement in field projects/internships		KEC/DEPT/PC/F01		0	1	2	3	4		
		Feedback System on Curriculum - Alumni, Course End Survey, Employer, Faculty, Graduate Exit Survey, Parent	KEC/DEPT/CDC/F01	CDC-07A, 07C, 07E, 07F, 07G, 07P	40	0	1	2	3	4	160	All feedback system on Curriculum is verified
		Mapping of Course Outcomes and Programme Outcomes	KEC/DEPT/CDC/F01	CDC-03,04, 06	40	0	1	2	3	4	160	*CDC - files are verified *CO, PO mapping verified *Allotment of
		Allotting courses to faculty based on expertise	KEC/DEPT/TTI/F01	TTI-01,02,ACO-02		0	1	2	3	4		
		Allotment of adequate number of hours in time table for theory/practical/project		TTI-03 to 06, HOD-07		0	1	2	3	4		courses to faculty is followed on skill matrix

2.	Teaching -Learning Process (300)	Student Enrolment & Improvement in Student Quality	KEC/DEPT/HOD/ F01	HOD-03	20	0	1	2	3	4	60	Student enrolled is less. HOD-04 file verified → 20AUT21 - Mechanic of Fluids and Hydraulics machine - course file verified. * TCO1 - 04 are verified * Remedial measures for slow learners verified. Improvement also noticed * Laboratory plan, Manual, Rubrics verified * 20AUL51 - computer Aided Design Lab Project file verified → 20AUT61 - course file verified - Tutorial marks missing in P-log book CA - Test & End Semester analysis - Verified * CO, PO analysis through Direct & Indirect assessment - Verified * Project Sample Verified * PAC & QIC minutes Verified	
		Student Teacher Ratio, Cadre Ratio & Adjunct Faculty				0	1	2	3	4			
		Structured Course Plan	KEC/DEPT/CCT/	CCO-01	NA	0	1	2	3	4			
		Course Coordination Meeting		CCO-02		0	1	2	3	4			
		Course Delivery Methods – Use of ICT tools		Course File		0	1	2	3	4			
		Continuous Assessment (CA) Test Question Paper standards	KEC/DEPT/CCT/	TCO-05	100	0	1	2	3	4	400		
		Conduct of Continuous Assessment Tests		TCO-01 to 04, 06,07		0	1	2	3	4			
		Remedial Measures for Slow Learners	KEC/DEPT/CCT/	Course File		0	1	2	3	4			
		Adequate number of Assignments and Tutorials		Course File		0	1	2	3	4			
		Laboratory Plan	KEC/DEPT/CCL/	LT-01,LT09		0	1	2	3	4			
		Quality of Laboratory Manual		Course File		0	1	2	3	4			
		Project Work Review Schedule	KEC/DEPT/CCP/	PR-01,02 (Project file)		0	1	2	3	4			
		Evaluation of CA Test papers		Course File		0	1	2	3	4	187.5		
		Evaluation of Assignments/Tutorials		Course File		0	1	2	3	4			
		Evaluating experiments – Rubrics/Periodically	KEC/DEPT/CCL/	Lab Manual		0	1	2	3	4			
		Evaluation of Projects through Review – Rubrics followed		Project file		0	1	2	3	4			
		Continuous Assessment Test – Analysis	KEC/DEPT/CLA/ F01	CLA03XL-1 CLA04XL-2	80	0	1	2	3	4	304		
		End Semester Result Analysis		CLA04XL1,2		0	1	2	3	4			
		Course Outcomes and Programme Outcomes Analysis – Direct & Indirect Assessments & Action Taken	KEC/DEPT/POM/ F01	POM-01 to 05		0	1	2	3	4			
		Quality of Project Reports	KEC/DEPT/CCP/	Sample reports		0	1	2	3	4			
		PAC and QIC formulation and Meeting minutes		HOD-09 to 12		0	1	2	3	4			

		Student Feedback on Course and Teacher	KEC/DEPT/IQI/F01	Feedback form and Action Taken	50	0	1	2	3	4	200	Feedback on courses and teacher verified CMC-01 to 04 verified	
		Course Monitoring Committee Meeting		CMC-01 to 04		0	1	2	3	4			
3.	Research, Innovation and Extension (150)	Seed money Proposals (student funding through IIC may be consider)	KEC/DEPT/RC/F01	Proof	20	0	1	2	3	4	40	* 1 Seed money proposal is above * only 4 out of 8 * No research grant	
		Submission of Project Proposals		RC-01		0	1	2	3	4			
		Research Grants received		Proof	20	0	1	2	3	4	40	RC-01 verified * No seminar/ workshop proposal submitted	
		Conference / seminar / workshop/FDP/STTP proposals submitted		RC-01		0	1	2	3	4		* 1 international Conference organized	
		Conference / seminar / workshop/FDP/SSTP organized		Proof	20	0	1	2	3	4	40	1 start up	
		Promotion of Start-ups	KEC/DEPT/HEC/F01	EMC-01 to 05	10	0	1	2	3	4		105/180 students participated in paper presentation * No project to paper * RC-02 verified * No book publications * RC-04 verified * ASA-05 verified	
		Paper presentation by students	KEC/DEPT/SAP/F01	Proof and consolidate list (SAP-XL)	50	0	1	2	3	4	66.67		
		Conversion of student projects into paper	KEC/DEPT/RC/F01	RC-03		0	1	2	3	4			
		Quality Publications by faculty		RC-02		0	1	2	3	4			
		Books/Book chapters/Conference proceedings		RC-04		0	1	2	3	4			
		Patents filed/published/granted	KEC/DEPT/FST/F01	RC-04	20	0	1	2	3	4	F8T-04 - Verified IIPC-01 to 03 verified ₹ 60,000 generated IIPC-04 - Verified		
		Awards for Innovation won by Teachers/Research scholars/ Clubs		ASA-05		0	1	2	3	4			
		Faculty as Resource persons		Proof		0	1	2	3	4			
		Professional development/ administrative training programmes organized details		FST-07		0	1	2	3	4			
		Industrial Consultancy/Testing Works	KEC/DEPT/IIPC/F01	IIPC-01,02,03		0	1	2	3	4			
		Corporate Training (IIPC/Other Grants)		IIPC-04		0	1	2	3	4			

		Association activities / Clubs/Professional Societies	KEC/DEPT/ASA/F01	ASA-01 to 04	20	0	1	2	3	4	45	* Insufficient in plant /Internship
		In plant Training/Internship	KEC/DEPT/IPC/F01	IPC-01 to 04,PC-05		0	1	2	3	4		
		MoUs signed and activities	KEC/DEPT/IIPC/F01	IIPC-05		0	1	2	3	4		
		Industrial visits arranged for students	KEC/DEPT/IPC/F01	IV-01 to IV-03		0	1	2	3	4		
4.	Infrastructure and Learning Resources (100)	One Faculty- One Industry Progress	KEC/DEPT/RC/F01	IIPC-06	10	0	1	2	3	4	15	1 faculty undergone industrial training
		Faculty interaction with industries and monitoring	KEC/DEPT/IIPC/F01	IIPC-01,07,08		0	1	2	3	4		
		Physical facilities – Classrooms, Faculty cabin, seminar hall, Projectors, Printers, etc.	KEC/DEPT/FMM/01	FMM-01 to 04		0	1	2	3	4		
		Laboratory Maintenance Records/Registers	KEC/DEPT/Lab	LT-02 to 08	30	0	1	2	3	4	45	No proof for facilities complaint
		Equipment working conditions/Calibration				0	1	2	3	4		
		Latest/Research Level equipments – Availability and Utilization				0	1	2	3	4		
		Utilization of budget	KEC/DEPT/HOD/F01, KEC/DEPT/DBC/F01	HOD-06 DBC-01 to 05	20	0	1	2	3	4	20	No proof
5.	Student Support and Progression (100)	Department Library – Maintenance and utilization	KEC/DEPT/Lab	Records	20	0	1	2	3	4	80	150 books available Records verified
		Computing Facilities - Maintenance and utilization	KEC/DEPT/Lab	Records	30	0	1	2	3	4	120	PC-01 to 04 verified No programs conducted in Dept.
		E-content development – Videos developed	KEC/DEPT/Lab	Records		0	1	2	3	4		
		Placement details and training plan for Skill Development	KEC/DEPT/PC/F01	PC-01 to 04	30	0	1	2	3	4	60	HEC-04 verified % of students placement improved
		Awareness programmes on Higher Education	KEC/DEPT/HEC/F01	HEC-01 to 03		0	1	2	3	4		
		Student participation and success in competitive examinations	KEC/DEPT/HEC/F01	HEC-04	40	0	1	2	3	4	146.67	% of students placement improved
		Percentage of students placed (Improvement over 3 years)	KEC/DEPT/PC/F01	PC-06,07		0	1	2	3	4		

		Percentage of students joined higher education	KEC/DEPT/HEC/F01	HEC-05		0	1	2	3	4		3 students Joined
		Student's participation in Co/Extra-curricular activities (Cultural, Sports, etc.)	KEC/DEPT/SAP/F01	SAP-01 to 04, SAP-XL	20	0	1	2	3	4		
		Student achievements and awards		Proof							60	10 awards received by Students
		Alumni Visits, Meetings and Guest Lectures	KEC/DEPT/ALC/F01	ALC-01 to 05	10	0	1	2	3	4	40	
6.	Governance, Leadership and Management (100)	SWOT Analysis – Review Meeting	KEC/DEPT/HOD/F01	HOD-02	20	0	1	2	3	4		SWOT - No review meeting (ie, Separate)
		Academic Audit –Action Taken	KEC/DEPT/IQAC/F01	IQI-01, 02, 04, QP-00		0	1	2	3	4	40	No action taken report for Audit
		Strategic Development – Centre of Excellence, Collaboration with Foreign Universities, New Courses	KEC/DEPT/HOD/F01	HOD-02	20	0	1	2	3	4	0	No centre of Excellence
		Faculty Training – FDP/NPTEL/Industry	KEC/DEPT/FST/F01	FST-01, 03, 04	20	0	1	2	3	4		
		Faculty Qualification Improvement & Retention		R& D Quarterly Report		0	1	2	3	4	60	As per norms faculty retention is maintained
		Skill up-gradation training for Supporting Staff	KEC/DEPT/FST/F01	FST-02	20	0	1	2	3	4	40	FST-02 Verified
		Day to Day Activities and Parents-Teachers Meeting	KEC/DEPT/PRM/F01	PRO-01 to 04	20	0	1	2	3	4	80	PRO-01 to 04 Verified
7.	Institutional Values and Best Practices (100)	Department Best Practices	File	Proof	30	0	1	2	3	4	120	customized modelling project
		Contribution towards Institutional Values and Social Responsibilities	File	Proof	50	0	1	2	3	4		NCC NSS, cycling Ralley - Students participation
		Contribution towards Special programmes	File	Proof		0	1	2	3	4		
		Human values and Professional Ethics related activities	File	Proof	20	0	1	2	3	4	116.67	AICTE course on Human Values
		Contribution towards Institutional Distinctiveness	File	Proof		0	1	2	3	4	60	Members in various Committee
		Practices for Student Self learning	File	Proof		0	1	2	3	4		NPTEL course adopted by student

S.No.	Criteria	Maximum Marks (1)	Weighted Average Marks (2)	Grade Point Average (2/1)	Major Remarks / Comments
1.	Curricular Aspects	150	57.7	3.82	—
2.	Teaching –Learning Process	300	115.1-5	3.84	Improvement form for slow learners needed
3.	Research, Innovation and Extension	150	300	2.00	R&D proposal submission may be improved to get funded projects
4.	Infrastructure and Learning Resources	100	2.65	2.65	—
5.	Student Support and Progression	100	306.67	3.07	—
6.	Governance Leadership and Management	100	29.0	2.20	Need to be improved
7.	Institutional Values and Best Practices	100	2.96.67	2.97	—
Total		1000	3116.84	3.11	—

68. (Anandini 13L1123)  
Signature of Department Coordinators  
(with name)

K S. KARPAGI VINITHA

1. Dr. J. JAMMY 15L1123

2. Muni. m 15L1123

Signature of Auditors  
(with name and dept.)

1. Dr. K. MANJULA RANI  
ASP / CHEMISTRY

2. MEENALOCHINI. M, AP/CSD

✓/20/11/23

Head of the Department  
(with seal)

Dr. C. JEGADHEESAN  
ASSOCIATE PROFESSOR & HEAD  
DEPT. OF AUTOMOBILE ENGG.  
KONGU ENGINEERING COLLEGE  
THOPPUPALAYAM (Po)  
PERUNDURAI, ERODE - 638 060

**KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE-638060**

**(Autonomous)**

**INTERNAL QUALITY ASSURANCE CELL (IQAC)**

**ACADEMIC AUDIT 2022-2023 - ANALYSIS REPORT**

**Name of the Department: Automobile Engineering**

**Date(s) of Audit: 08.11.2023**

A. Strengths (Y)
1. Good documentation and easy retrieval. 2. 100 % placement. 3. Very good in team work.
B. Concerns (C)
1. Students enrollment
C. Weakness/Areas of improvement: (W)
1. Students enrollment may be improved. 2. Conversion of projects into paper may be increased 3. Consultancies and internships
D. Deficiencies: (D)
1. Submission of R & D proposals 2. No funded projects

Type of Conformities	Details of non-conformities	Objective Evidence	Cause Analysis
Major	No funded projects	R & D file	Discussed with faculty members
Minor	1. Submission of R & D proposals to seminar /workshop/conference proposals to funding agency. 2. Students project converted into paper may be improved. 3. End sem result is not appreciable.	R & D file RC - 03	Informed to the faculty members
Finding	1. SWOT analysis review meeting minutes is not available. 2. Complaints for physical facilities is not filed.	HoD - 02	Informed to have separate review meeting Informed to the faculty
Observation	1. No improvement form for slow learners. 2. No tick marks in the evaluated answer script. 3. No HoD seal in personal log book	Course file	Informed to the faculty

1. *S. Jayaraman* 17/11/23  
2. *M. Minima* 17/11/23

**Auditors**

Name and Signature

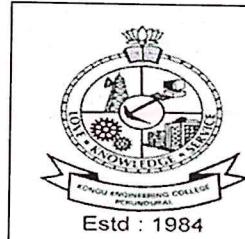
1. *Dr. K. MANJULA RANI* ASP /Chemistry

**IQAC Coordinator**

Name and Signature

*IKS - KARTHI VINI* 17/11/23

*7/11/23*  
**HOD**



**KONGU ENGINEERING COLLEGE**  
(Autonomous)  
**PERUNDURAI – 638060**  
**INTERNAL QUALITY ASSURANCE CELL**

**Action List including Opportunities for Improvement**



Department: Automobile Engineering

Date:13.02.2024

**Nonconformities**

S.No.	Process	Findings	Results of Root Cause Analysis	Intended Corrections and Corrective Actions	Responsibility	Due date
1.	Research, Innovation and Extension	No Funded Projects	Lack of department research facilities	Research facilities to be improved in next academic year	All Faculties	31.05.2024
2.	Research, Innovation and Extension	Submission of R&D proposals to seminar/workshop/conference proposals to funding agency	Lack of department facilities	Department facilities to be improved in next academic year	All Faculties	31.05.2024
3.	Research, Innovation and Extension	Students project converted into paper may be improved	Most of the journals are removed from Scopus	Will motivate students to publish their papers through conference	All Faculties	14.06.2024
4.	Teaching Learning Process	End Semester Result is not appreciable	Around 50% of students in each year is from diploma. So, they struggle in problematic papers	Extra coaching class for the diploma students will be provided, in order to improve their results	All Faculties	2023-24 ODD Sem

**Observations (Opportunities for improvement)**

S.No.	Process	Findings	Action to be Taken	Responsibility	Date
1.	Governance, Leadership and Management	SWOT analysis review meeting minutes not available	Discussed in department meeting as one of the agenda. Hereafter, separate meeting for SWOT will be conducted	HoD	19.04.2024
2.	Infrastructure and Learning Resources	Complaints for physical facilities is not filed	Consolidated report is filed. In addition to this, individual complaints details will also be filed	Building Maintenance In charge	15.03.2024
3.	Teaching Learning Process	No improvement form for slow learners	Test Improvement form will be added in the course file	Mr.SSK	15.03.2024
4.	Teaching Learning Process	No tick marks in the evaluated answer scripts	Tick marks will be given in the evaluated answer scripts	Mr.SSK	15.03.2024
5.	Teaching Learning Process	No HoD seal in personal log book	HoD Seal will be placed in personal log book	All Faculty	15.03.2024

1. Dr. P. Manjula Rani (Dr. K. MANJULA RANI)  
1st/2/24

2. Meenatchini M. M. M. M. M.  
(APL CSD) 1/2/24

Signature of Auditor  
(Name with Designation & Dept.)

K. S. Kancharla M. M.  
16/2/24  
Auditee Dept. Co-ordinator  
Ccs. 602761 M/179

✓ 16/2/24  
Auditee Dept. HOD



### Audit Evaluation Sheet for the Academic Year 2022-2023

Date of Audit : 07-11-2023

Auditors Name and Designation

: Dr. K.S. Kalaiyami & S. Chandrasekaran

Audited Department

: CSD

S.No	Criteria (Max Mark)	Parameters	File Name	Formats	Max. Mark	Circle the score (0-Low score , 4- High score)					Weighted Average	Observations
1.	Curricular Aspects (150)	Curriculum Design and Development process	KEC/DEPT/CDC/ F01	CDC-01,02	40	0	1	2	3	4	2.75 x 40 = 110 NA	Internal BOS meeting minutes missing
		Curriculum and syllabus – Planning and Implementation		CDC-03,04, 06		0	1	2	3	4		
		Dissemination of regulation, curriculum & Syllabus		CDC-05, 10		0	1	2	3	4		
		Minutes of BOS Meeting		CDC-08, 09		0	1	2	3	4		
		Revision in Elective courses		CDC-11		0	1	2	3	4		
		Value Added Courses – Organized and Participation of students	KEC/DEPT/NVA C/F01	NVC-01 to 06	30	0	1	2	3	4	90	-
		Student involvement in field projects/internships		KEC/DEPT/PC/F01		0	1	2	3	4		
		Feedback System on Curriculum - Alumni, Course End Survey, Employer, Faculty, Graduate Exit Survey, Parent	KEC/DEPT/CDC/ F01	CDC-07A, 07C, 07E, 07F, 07G, 07P	40	0	1	2	3	4	120	Subject allocation not done as per Skill matrix
		Mapping of Course Outcomes and Programme Outcomes		KEC/DEPT/CDC/ F01		0	1	2	3	4		
		Allotting courses to faculty based on expertise	KEC/DEPT/TTI/F 01	TTI- 01,02,ACO-02	40	0	1	2	3	4	120	-
		Allotment of adequate number of hours in time table for theory/practical/project		TTI-03 to 06, HOD-07		0	1	2	3	4		

2. Teaching –Learning Process (300)	Student Enrolment & Improvement in Student Quality	KEC/DEPT/HOD/ F01	HOD-03	20	0	1	2	3	4	60	–  20 CDT31 – Data structures file verified 20 CDT41 – DAA file verified Remedial class attendance missing Lab manual for portal subjects missing –	
	Student Teacher Ratio, Cadre Ratio & Adjunct Faculty		HOD-04		0	1	2	3	4			
	Structured Course Plan	KEC/DEPT/CCT/	CCO-01	100	0	1	2	3	4	2.875 x 100 = 287.5		
	Course Coordination Meeting		CCO-02		0	1	2	3	4			
	Course Delivery Methods – Use of ICT tools		Course File		0	1	2	3	4			
	Continuous Assessment (CA) Test Question Paper standards	KEC/DEPT/CCT/	TCO-05	100	0	1	2	3	4	NA		
	Conduct of Continuous Assessment Tests		TCO-01 to 04, 06,07		0	1	2	3	4			
	Remedial Measures for Slow Learners	KEC/DEPT/CCT/	Course File	100	0	1	2	3	4	3x50 = 150		
	Adequate number of Assignments and Tutorials		Course File		0	1	2	3	4			
	Laboratory Plan	KEC/DEPT/CCL/	LT-01,LT09	50	0	1	2	3	4	NA		
	Quality of Laboratory Manual		Course File		0	1	2	3	4			
	Project Work Review Schedule	KEC/DEPT/CCP/	PR-01,02 (Project file)	50	0	1	2	3	4	3.25 x 80 = 260		
	Evaluation of CA Test papers		Course File		0	1	2	3	4			
	Evaluation of Assignments/Tutorials	KEC/DEPT/CCT/	Course File	50	0	1	2	3	4	NA		
	Evaluating experiments – Rubrics/Periodically		Lab Manual		0	1	2	3	4			
	Evaluation of Projects through Review – Rubrics followed	KEC/DEPT/CCP/	Project file	50	0	1	2	3	4	NA		
	Continuous Assessment Test – Analysis	KEC/DEPT/CLA/ F01	CLA03XL-1 CLA04XL-2		0	1	2	3	4			
	End Semester Result Analysis		CLA04XL1,2	80	0	1	2	3	4	NA		
	Course Outcomes and Programme Outcomes Analysis – Direct & Indirect Assessments & Action Taken	KEC/DEPT/POM/ F01	POM-01 to 05		0	1	2	3	4			
	Quality of Project Reports		Sample reports		0	1	2	3	4			
	PAC and QIC formulation and Meeting minutes	KEC/DEPT/HOD/ F01	HOD-09 to 12		0	1	2	3	4			

		Student Feedback on Course and Teacher	KEC/DEPT/IQI/F01	Feedback form and Action Taken	50	0		2	3	4	$3.5 \times 50 = 175$	-	
		Course Monitoring Committee Meeting		CMC-01 to 04		0	1	2	3	4			
3. Research, Innovation and Extension (150)	KEC/DEPT/RC/F01	Seed money Proposals (student funding through IIC may be consider)	Proof	0	20	0	1	2	3	4	$1 \times 20 = 20$	-	
		Submission of Project Proposals		RC-01	0	0	1	2	3	4			
		Research Grants received		Proof	0	0	1	2	3	4			
		Conference / seminar / workshop/FDP/SSTP proposals submitted		RC-01	0	0	1	2	3	4			
		Conference / seminar / workshop/FDP/SSTP organized	Proof	0	20	0	1	2	3	4	0	Seminar proposals Submitted is less	
		Promotion of Start-ups		EMC-01 to 05	10	0	0	1	2	3	4		
		Paper presentation by students		KEC/DEPT/SAP/F01	Proof and consolidate list (SAP-XL)	0	0	1	2	3	4		
	KEC/DEPT/RC/F01	Conversion of student projects into paper	RC-03	0	50	0	0	1	2	3	4	N9 $2.6 \times 50 = 130$	-
		Quality Publications by faculty		RC-02	0	0	0	1	2	3	4		
		Books/Book chapters/Conference proceedings	RC-04	0	0	0	0	1	2	3	4		
		Patents filed/published/granted		RC-04	0	0	0	1	2	3	4		
		Awards for Innovation won by Teachers/Research scholars/ Clubs	ASA-05	0	0	0	0	1	2	3	4		
	KEC/DEPT/FST/F01	Faculty as Resource persons		Proof	20	0	0	1	2	3	4	$0.33 \times 20 = 6.67$	No. of consultancy and training works are less
		Professional development/ administrative training programmes organized details		FST-07	0	0	0	0	1	2	3		
		Industrial Consultancy/Testing Works	IIPC-01,02,03	IIPC-01,02,03	0	0	0	0	1	2	3		
		Corporate Training (IIPC/Other Grants)		IIPC-04	0	0	0	0	1	2	3		

		Association activities / Clubs/Professional Societies	KEC/DEPT/ASA/J1	ASA-01 to 04	20	0	1	2	3	4	2.25x 20 =	-	
		In plant Training/Internship	KEC/DEPT/IPC/F01	IPC-01 to 04,PC-05		0	1	2	3	4			
		MoUs signed and activities	KEC/DEPT/IIPC/F01	IIPC-05		0	1	2	3	4	45		
		Industrial visits arranged for students	KEC/DEPT/IPC/F01	IV-01 to IV-03		0	1	2	3	4			
4.	Infrastructure and Learning Resources (100)	One Faculty- One Industry Progress	KEC/DEPT/RC/F01	IIPC-06	10	0	1	2	3	4	1.5 x 10 = 15	Faculty interaction with industries is less	
		Faculty interaction with industries and monitoring	KEC/DEPT/IIPC/F01	IIPC-01,07,08		0	1	2	3	4	3.61 x 30 = 110	Details formating need improvement	
		Physical facilities – Classrooms, Faculty cabin, seminar hall, Projectors, Printers, etc.	KEC/DEPT/FMM/01	FMM-01 to 04		0	1	2	3	4			
		Laboratory Maintenance Records/Registers	KEC/DEPT/Lab	LT-02 to 08		0	1	2	3	4			
		Equipment working conditions/Calibration				0	1	2	3	4			
		Latest/Research Level equipments – Availability and Utilization				0	1	2	3	4	NA		
		Utilization of budget	KEC/DEPT/HOD/F01,KEC/DEPT/DBC/F01	HOD-06 DBC-01 to 05		20	0	1	2	3	4	4 x 20 = 80	
5.	Student Support and Progression (100)	Department Library – Maintenance and utilization	KEC/DEPT/Lab	Records	20	0	1	2	3	4	2 x 20 = 40	Initiated.	
		Computing Facilities - Maintenance and utilization	KEC/DEPT/Lab	Records		0	1	2	3	4	4 x 30 = 120		
		E-content development – Videos developed	KEC/DEPT/Lab	Records	30	0	1	2	3	4			
		Placement details and training plan for Skill Development	KEC/DEPT/PC/F01	PC-01 to 04		0	1	2	3	4	2 x 30 = 60	* Just Initiated	
		Awareness programmes on Higher Education	KEC/DEPT/HEC/F01	HEC-01 to 03	30	0	1	2	3	4			
		Student participation and success in competitive examinations	KEC/DEPT/HEC/F01	HEC-04		0	1	2	3	4			
		Percentage of students placed (Improvement over 3 years)	KEC/DEPT/PC/F01	PC-06,07	40	0	1	2	3	4	NA		
						0	1	2	3	4	NA		

		Percentage of students joined higher education	KEC/DEPT/HEC/J1	HEC-05		0	1	2	3	4	NA	
		Student's participation in Co/Extra-curricular activities (Cultural, Sports, etc.)	KEC/DEPT/SAP/F01	SAP-01 to 04, SAP-XL	20	0	1	2	3	4	$3 \times 20 = 60$	* Consolidated List with HOD approval missng.
		Student achievements and awards		Proof								
		Alumni Visits, Meetings and Guest Lectures	KEC/DEPT/ALC/F01	ALC-01 to 05	10	0	1	2	3	4	NA	
6.	Governance, Leadership and Management (100)	SWOT Analysis – Review Meeting	KEC/DEPT/HOD/F01	HOD-02	20	0	1	2	3	4	$3 \times 20 = 60$	* Updated List
		Academic Audit –Action Taken	KEC/DEPT/IQAC/F01	IQI-01, 02, 04, QP-00		0	1	2	3	4	NA	
		Strategic Development – Centre of Excellence, Collaboration with Foreign Universities, New Courses	KEC/DEPT/HOD/F01	HOD-02	20	0	1	2	3	4	$2 \times 20 = 40$	* Initiated - good.
		Faculty Training – FDP/NPTEL/Industry	KEC/DEPT/FST/F01	FST-01, 03, 04	20	0	1	2	3	4	$3 \times 20 = 60$	
		Faculty Qualification Improvement & Retention		R& D Quarterly Report		0	1	2	3	4	70	
		Skill up-gradation training for Supporting Staff	KEC/DEPT/FST/F01	FST-02	20	0	1	2	3	4	$4 \times 20 = 80$	
7.	Institutional Values and Best Practices (100)	Day to Day Activities and Parents-Teachers Meeting	KEC/DEPT/PRM/F01	PRO-01 to 04	20	0	1	2	3	4	$3 \times 20 = 60$	Consolidated List.
		Department Best Practices	File	Proof	50	0	1	2	3	4	$4 \times 20 = 80$	
		Contribution towards Institutional Values and Social Responsibilities	File	Proof		0	1	2	3	4	$3 \times 3 \times 50 = 165.67$	
		Contribution towards Special programmes	File	Proof		0	1	2	3	4		
		Human values and Professional Ethics related activities	File	Proof		0	1	2	3	4		
		Contribution towards Institutional Distinctiveness	File	Proof	20	0	1	2	3	4	NA	
		Practices for Student Self learning	File	Proof		0	1	2	3	4	$4 \times 20 = 80$	

S.No.	Criteria	Maximum Marks (1)	Weighted Average Marks (2)	Grade Point Average (2/1)	Major Remarks / Comments
1.	Curricular Aspects	150	440	2.93	-
2.	Teaching -Learning Process	300	932.5	3.11	Seminar - 1 consultancy
3.	Research, Innovation and Extension	150	216.67	1.45	Proposal submission may be improved
4.	Infrastructure and Learning Resources	100	350	3.5	-
5.	Student Support and Progression	100	120	1.2	-
6.	Governance Leadership and Management	100	310	3.1	-
7.	Institutional Values and Best Practices	100	336.67	3.37	-
Total		1000	2705.84	18.66	(2.7)

1) *16/11/13 (S. Selvaraj)*

2) *Munimulu (Meenachini, M.)*

Signature of Department Coordinators  
(with name)

1. *16/11/13 [Dr.K.S Kalaiwani]*

2. *16/11/13 (S. Chandrasekhar)*

Signature of Auditors  
(with name and dept.)

*A. N*  
16/11/13  
Head of the Department  
(with seal)

**KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE-638060**  
 (Autonomous)  
**INTERNAL QUALITY ASSURANCE CELL (IQAC)**  
**ACADEMIC AUDIT 2022-2023 - ANALYSIS REPORT**

Name of the Department: **CSD**  
 Date(s) of Audit: **07-11-2023**

A. Strengths (Y) :	<i>Good Team Work</i>
B. Concerns (C) :	<i>Students awareness programmes for Higher Studies &amp; Entrepreneurs.</i>
C. Weakness/Areas of improvement: (W) :	<i>Document Awareness need.</i>
D. Deficiencies: (D) :	<i>-</i>

Type of Conformities	Details of non-conformities	Objective Evidence	Cause Analysis
Major	1. 2. 3. . .	-	-
Minor	1. 2. 3. . .	-	-
Finding	1. 2. 3. . .	-	-
Observation	1. No. of Seminar proposals submitted 2. No. of consultancy / training work proposals submitted 3. Consolidated List with HOD approval. .	No. of seminar proposals submitted & consultancy work is NIL	Insisted faculty to submit seminar proposals & carry out consultancy work.

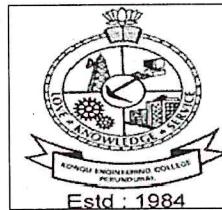
1. Date: **07-11-23** [Dr. K.S. Kalaiyani] 2. Date: **07-11-23** [S. Chandrasekar]

**Auditors**  
Name and Signature

**HOD** **18/11/23**

**IQAC Coordinator**  
Name and Signature

**R. Muthuvelu** **(Meenachi, M)**



KONGU ENGINEERING COLLEGE  
(Autonomous)  
PERUNDURAI - 638060  
INTERNAL QUALITY ASSURANCE CELL

Action List including Opportunities for Improvement



Department: Computer Science and Engineering - CSD

Date: 16.02.2024

Nonconformities: NIL

S.No.	Process	Findings	Results of Root Cause Analysis	Intended Corrections and Corrective Actions	Responsible Person	Due date

Observations (Opportunities for improvement)

S.No.	Process	Findings	Action	Responsible	Date
1.	Seminar Proposals & Consultancy Work	Seminar proposals are not submitted.	Insisted the faculty to submit more seminar proposals and consultancy work.	Ms.M.Menalochini / R&D Coordinator	31.05.2024
2.	Consolidated List of Student activities	HOD sign is missing in the consolidated document	Authenticated by HOD	Ms.Rubhashree / Criteria 5 In-charge	17.11.2023

16/2/24  
Signature of Auditor

(Name with Designation & Dept.)

(S. chandrasekhar)  
AP(Sr.h)/EEE

16/02/24  
Signature of Auditee Dept. Coordinator

S. S. rao

16/2/24  
Signature of Auditee Dept. HOD



### Audit Evaluation Sheet for the Academic Year 2022-2023

Dr. P. SUNDHARESALINGAM, ASP/MBA

Date of Audit : 09/11/2023

Auditors Name and Designation

: DR. P. Saranya Devi, ENGLISH

Audited Department

: Artificial Intelligence

S.No	Criteria (Max Mark)	Parameters	File Name	Formats	Max. Mark	Circle the score (0-Low score , 4- High score)					Weighted Average	Observations
1.	Curricular Aspects (150)	Curriculum Design and Development process	KEC/DEPT/CDC/ F01	CDC-01,02	40	0	1	2	3	4	3.5	
		Curriculum and syllabus – Planning and Implementation		CDC-03,04, 06		0	1	2	3	4	X AO $\leq 140$	
		Dissemination of regulation, curriculum & Syllabus		CDC-05, 10		0	1	2	3	4		
		Minutes of BOS Meeting		CDC-08, 09		0	1	2	3	4		
		Revision in Elective courses		CDC-11		0	1	2	3	4	NA	NA
		Value Added Courses – Organized and Participation of students	KEC/DEPT/NVA C/F01	NVC-01 to 06	30	0	1	2	3	4	3.5 X 30	
		Student involvement in field projects/internships		PC-05		0	1	2	3	4	$\leq 105$	
		Feedback System on Curriculum - Alumni, Course End Survey, Employer, Faculty, Graduate Exit Survey, Parent / Students	KEC/DEPT/CDC/ F01	CDC-07A, 07C, 07E, 07F, 07G, 07P	40	0	1	2	3	4	3 X 40 $\leq 120$	feedback on course end survey can be developed.
		Mapping of Course Outcomes and Programme Outcomes	KEC/DEPT/CDC/ F01	CDC-03,04, 06	40	0	1	2	3	4	3.67 X 40	
		Allotting courses to faculty based on expertise	KEC/DEPT/TTI/F 01	TTI- 01,02,ACO-02	40	0	1	2	3	4	$\leq 146.8$	
		Allotment of adequate number of hours in time table for theory/practical/project		TTI-03 to 06, HOD-07		0	1	2	3	4		

		Student Enrolment & Improvement in Student Quality	KEC/DEPT/HOD/F01	HOD-03	20	0	1	2	3	4	$4 \times 20 = 80$	Course file 20 ALT 31 with percentage 68.72 is Audited	
		Student Teacher Ratio, Cadre Ratio & Adjunct Faculty		HOD-04		0	1	2	3	4			
2. Teaching -Learning Process (300)	Structured Course Plan Course Coordination Meeting Course Delivery Methods – Use of ICT tools Continuous Assessment (CA) Test Question Paper standards	KEC/DEPT/CCT/	CCO-01	Course File	100	0	1	2	3	4	$3.44 \times 100 = 34.4$		
			CCO-02			0	1	2	3	4			
			Course File			0	1	2	3	4			
			TCO-05			0	1	2	3	4			
	Conduct of Continuous Assessment Tests	KEC/DEPT/TCO/F01	TCO-01 to 04, 06,07	Course File	100	0	1	2	3	4	$3.44 \times 100 = 34.4$		
	Remedial Measures for Slow Learners	KEC/DEPT/CCT/				0	1	2	3	4			
	Adequate number of Assignments and Tutorials	KEC/DEPT/CCT/				0	1	2	3	4			
	Laboratory Plan	KEC/DEPT/CCL/				0	1	2	3	4			
	Quality of Laboratory Manual	LT-01,LT09	Course File	100	0	1	2	3	4	$3.44 \times 100 = 34.4$			
	Project Work Review Schedule	KEC/DEPT/CCP/			PR-01,02 (Project file)	0	1	2	3				4
3. Assessments (300)	Evaluation of CA Test papers	KEC/DEPT/CCT/	Course File	Course File	50	0	1	2	3	4	$3.33 \times 50 = 166.7$		
	Evaluation of Assignments/Tutorials					0	1	2	3	4			
	Evaluating experiments – Rubrics/Periodically	KEC/DEPT/CCL/	Lab Manual	Project file	80	0	1	2	3	4	$3.5 \times 80 = 280$	Improvement in CO PO Analysis is needed.	
	Evaluation of Projects through Review – Rubrics followed	KEC/DEPT/CCP/				0	1	2	3	4			
	Continuous Assessment Test – Analysis	KEC/DEPT/CLA/F01	CLA03XL-1 CLA04XL-2	Project file	80	0	1	2	3	4	$3.5 \times 80 = 280$		
	End Semester Result Analysis		CLA04XL1,2			0	1	2	3	4			
	Course Outcomes and Programme Outcomes Analysis – Direct & Indirect Assessments & Action Taken	KEC/DEPT/POM/F01	POM-01 to 05	Sample reports	80	0	1	2	3	4	$3.5 \times 80 = 280$		
	Quality of Project Reports	KEC/DEPT/CCP/				0	1	2	3	4			
	PAC and QIC formulation and Meeting minutes	KEC/DEPT/HOD/F01	HOD-09 to 12	NA	80	0	1	2	3	4			

		Student Feedback on Courses and Teacher	KEC/DEPT/IQI/F01	Feedback form and Action Taken	50	0	1	2	3	4	$3.5 \times 50 = 175$	
		Course Monitoring Committee Meeting		CMC-01 to 04		0	1	2	3	4		
3.	Research, Innovation and Extension (150)	Seed money Proposals (student funding through IIC may be consider)	KEC/DEPT/RC/F01	Proof	20	0	1	2	3	4	$1.33 \times 20 = 26.6$	* Seed money Proposals needs to be improved.
		Submission of Project Proposals		RC-01		0	1	2	3	4		* Research grants needs to be improved
		Research Grants received		Proof	20	0	1	2	3	4	$2.5 \times 20 = 50$	
		Conference / seminar / workshop/FDP/STTP proposals submitted		RC-01		0	1	2	3	4		
		Conference / seminar / workshop/FDP/SSTP organized		Proof	20	0	1	2	3	4	$2 \times 10 = 20$	* organizing conf & seminar can be encouraged.
		Promotion of Start-ups	KEC/DEPT/HEC/F01	EMC-01 to 05		0	1	2	3	4		
		Paper presentation by students		Proof and consolidate list (SAP-XL)	50	0	1	2	3	4	$NA$	* Students paper presentation needs to be encouraged -
		Conversion of student projects into paper	KEC/DEPT/RC/F01	RC-03		0	1	2	3	4	$2.2 \times 50 = 110$	
		Quality Publications by faculty		RC-02		0	1	2	3	4		
		Books/Book chapters/Conference proceedings		RC-04		0	1	2	3	4		
		Patents filed/ published/granted		RC-04		0	1	2	3	4		
		Awards for Innovation won by Teachers/Research scholars/ Clubs	KEC/DEPT/FST/F01	ASA-05		0	1	2	3	4		
		Faculty as Resource persons		Proof	20	0	1	2	3	4	$1.67 \times 20 = 33.33$	→ Administrative and corporate training needs to be improved.
		Professional development/ administrative training programmes organized details		FST-07		0	1	2	3	4		
		Industrial Consultancy/Testing Works	KEC/DEPT/IIPC/F01	IIPC-01,02,03	20	0	1	2	3	4		
		Corporate Training (IIPC/Other Grants)		IIPC-04		0	1	2	3	4		

		Association activities / Clubs/Professional Societies	KEC/DEPT/ASA/F01	ASA-01 to 04	20	0	1	2	<u>3</u>	4	2.75 X 20 = 55	<p>MoUs needs to be signed.</p>
		In plant Training/Internship	KEC/DEPT/IPC/F01	IPC-01 to 04,PC-05		0	1	2	<u>3</u>	<u>4</u>		
		MoUs signed and activities	KEC/DEPT/IIPC/F01	IIPC-05		<u>0</u>	1	2	<u>3</u>	4		
		Industrial visits arranged for students	KEC/DEPT/IPC/F01	IV-01 to IV-03		0	1	2	<u>3</u>	<u>4</u>		
		One Faculty- One Industry Progress	KEC/DEPT/RC/F01	IIPC-06		<u>0</u>	1	2	<u>3</u>	4	$1.5 \times 10$ = 15	
		Faculty interaction with industries and monitoring	KEC/DEPT/IIPC/F01	IIPC-01,07,08		0	1	2	<u>3</u>	4		
4.	Infrastructure and Learning Resources (100)	Physical facilities – Classrooms, Faculty cabin, seminar hall, Projectors, Printers, etc.	KEC/DEPT/FMM/F01	FMM-01 to 04	30	0	1	2	<u>3</u>	4	3.5 X 30 = 105	
		Laboratory Maintenance Records/Registers				0	1	2	<u>3</u>	<u>4</u>		
		Equipment working conditions/Calibration				0	1	2	<u>3</u>	<u>4</u>		
		Latest/Research Level equipments – Availability and Utilization				0	1	2	<u>3</u>	4		
		Utilization of budget	KEC/DEPT/HOD/F01, KEC/DEPT/DBC/F01	HOD-06 DBC-01 to 05	20	0	1	2	<u>3</u>	4	$3 \times 20$ = 60	
		Department Library – Maintenance and utilization				0	1	2	<u>3</u>	<u>4</u>	NA	
		Computing Facilities - Maintenance and utilization	KEC/DEPT/Lab	Records	30	0	1	2	<u>3</u>	4	$3.5 \times 30$ = 105	
		E-content development – Videos developed	KEC/DEPT/Lab	Records	30	0	1	2	<u>3</u>	<u>4</u>		
5.	Student Support and Progression (100)	Placement details and training plan for Skill Development	KEC/DEPT/PC/F01	PC-01 to 04	30	0	1	2	<u>3</u>	4	$3 \times 30$ = 90	<p>PC-01 to 03 - NA 05 to 07 - NA</p>
		Awareness programmes on Higher Education	KEC/DEPT/HEC/F01	HEC-01 to 03		0	1	2	<u>3</u>	4		
		Student participation and success in competitive examinations	KEC/DEPT/HEC/F01	HEC-04	40	0	1	2	<u>3</u>	4	$3 \times 40$ = 120	
		Percentage of students placed (Improvement over 3 years)	KEC/DEPT/PC/F01	PC-06,07		0	1	2	<u>3</u>	4		PC-06-07 - NA

		Percentage of students joined higher education	KEC/DEPT/HEC/F01	HEC-05		1	2	3	4	NA	HEC-05 = NA.
		Student's participation in Co/Extra-curricular activities (Cultural, Sports, etc.)	KEC/DEPT/SAP/F01	SAP-01 to 04, SAP-XL	20	0	1	2	3	4	$4 \times 20 = 80$
		Student achievements and awards		Proof							Higher Education for students can be encouraged.
		Alumni Visits, Meetings and Guest Lectures	KEC/DEPT/ALC/F01	ALC-01 to 05	10	0	1	2	3	4	NA
6.	Governance, Leadership and Management (100)	SWOT Analysis – Review Meeting	KEC/DEPT/HOD/F01	HOD-02	20	0	1	2	3	4	$3 \times 20 = 60$
		Academic Audit –Action Taken	KEC/DEPT/IQAC/F01	IQI-01, 02, 04, QP-00		0	1	2	3	4	
		Strategic Development – Centre of Excellence, Collaboration with Foreign Universities, New Courses	KEC/DEPT/HOD/F01	HOD-02	20	0	1	2	3	4	$2 \times 20 = 40$
		Faculty Training – FDP/NPTEL/Industry	KEC/DEPT/FST/F01	FST-01, 03, 04	20	0	1	2	3	4	$3.5 \times 20 = 70$
		Faculty Qualification Improvement & Retention		R& D Quarterly Report		0	1	2	3	4	
		Skill up-gradation training for Supporting Staff	KEC/DEPT/FST/F01	FST-02	20	0	1	2	3	4	$2 \times 20 = 40$
		Day to Day Activities and Parents-Teachers Meeting	KEC/DEPT/PRM/F01	PRO-01 to 04	20	0	1	2	3	4	$4 \times 20 = 80$
7.	Institutional Values and Best Practices (100)	Department Best Practices	File	Proof	30	0	1	2	3	4	$3 \times 30 = 90$
		Contribution towards Institutional Values and Social Responsibilities	File	Proof	50	0	1	2	3	4	$1.33 \times 50 = 66.66$
		Contribution towards Special programmes	File	Proof		0	1	2	3	4	
		Human values and Professional Ethics related activities	File	Proof		0	1	2	3	4	
		Contribution towards Institutional Distinctiveness	File	Proof	20	0	1	2	3	4	$2 \times 20 = 40$
		Practices for Student Self learning	File	Proof		0	1	2	3	4	

S.No.	Criteria	Maximum Marks (1)	Weighted Average Marks (2)	Grade Point Average (2/1)	Major Remarks / Comments
1.	Curricular Aspects	150	511.8	3.41	course end survey can be collected
2.	Teaching –Learning Process	300	1045.7	3.48	COPD Analysis can be improved.
3.	Research, Innovation and Extension	150	309.33	2.06	Seed money, Research grants needs to be improved.
4.	Infrastructure and Learning Resources	100	270	2.7	Latest / research level equipments can be utilized.
5.	Student Support and Progression	100	290	2.9	Students joining higher education can be more focussed.
6.	Governance Leadership and Management	100	290	2.9	Supporting Staff training can be improved.
7.	Institutional Values and Best Practices	100	106.6	1.06	contribution towards best practices and special programmes can be improved
<b>Total</b>		1000	<b>2823.43</b>	<b>2.83</b>	

1. D. Sathya [Dr. K. S. K. Kalaiyani] 10/11/23

2. D. Sathya [Dr. Sathya] 10/11/23

3. R. Thangamani [R. THANGAMANI] 10/11/23

Signature of Department Coordinators  
(with name)

(P.W)  
Dr. P. Sundharesalingam  
(MBA)

2. Dr. Basilya Devi P [Dr. Basilya Devi P] (Eng/ish)  
Signature of Auditors  
(with name and dept.)

CJ. Karim 10/11/23

Head of the Department  
(with seal)

**KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE-638060**  
 (Autonomous)  
**INTERNAL QUALITY ASSURANCE CELL (IQAC)**  
**ACADEMIC AUDIT 2022-2023 - ANALYSIS REPORT**

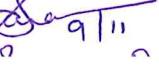
Name of the Department: Artificial Intelligence  
 Date(s) of Audit: 09/11/2023

A. Strengths (Y)	→ More publications
B. Concerns (C)	→ MOU, Patent, Seed money
C. Weakness/Areas of improvement: (W)	
D. Deficiencies: (D)	

Type of Conformities	Details of non-conformities	Objective Evidence	Cause Analysis
Major	1. 2. 3. ..		
Minor	1. 2. 3. ..		
Finding	1. 2. 3. ..		
Observation	1. No. of MoU's signed 2. 3. ..	No proof from the file	Process initiated. But not signed

**Auditors**  
 Name and Signature

1.  [P. Sundarasesalingam]

2.  [Dr. K. S. Kalaiwani]

**IQAC Coordinator**  
 Name and Signature

1.  [Dr. K. S. Kalaiwani]  
 10/11/23

**HOD**  
 [Dr. Karim]  
 10/11/23



KONGU ENGINEERING COLLEGE  
(Autonomous)  
PERUNDURAI – 638060  
INTERNAL QUALITY ASSURANCE CELL

Action List including Opportunities for Improvement



Department: Artificial Intelligence

Date: 17.02.2024

Nonconformities : NIL

S.No.	Process	Findings	Results of Root Cause Analysis	Intended Corrections and Corrective Actions	Responsible Person	Due date

Observations (Opportunities for improvement)

S.No.	Process	Findings	Action	Responsible	Date
1	MoU's signed	Signing of MoU's not initiated	Insisted the faculty to identify the companies and sign MoUs	Dr.R.Rajadevi / MoU Co-ordinator	31.05.2024

Signature of Auditor

(Name with Designation & Dept.)

[Dr. P. Sundharalingam, ASP/MBA]  
(Dr. Savanya Devi-P, AP/English)

Auditee Dept. Coordinator

(Dr. K. S. Kalavani)

Auditee Dept. HOD

C.S.Kalavani, 17/02/24



### Audit Evaluation Sheet for the Academic Year 2022-2023

Auditors Name and Designation

1. Dr. E. M. ROOPADEVI / ASP / IT
2. C. JAMUNADEVI / AP(SRG) / CT-PG

Date of Audit : 10.11.2023

Audited Department

: MBA

S.No	Criteria (Max Mark)	Parameters	File Name	Formats	Max. Mark	Circle the score (0-Low score , 4- High score)					Weighted Average	Observations
1.	Curricular Aspects (150)	Curriculum Design and Development process	KEC/DEPT/CDC/F01	CDC-01,02	40	0	1	2	3	4	160	Regulation 2022 verified.
		Curriculum and syllabus – Planning and Implementation		CDC-03,04, 06		0	1	2	3	4		
		Dissemination of regulation, curriculum & Syllabus		CDC-05, 10		0	1	2	3	4		
		Minutes of BOS Meeting		CDC-08, 09		0	1	2	3	4		
		Revision in Elective courses		CDC-11		0	1	2	3	4		
		Value Added Courses – Organized and Participation of students	KEC/DEPT/NVA C/F01	NVC-01 to 06	30	0	1	2	3	4	60	No value added course conducted.
		Student involvement in field projects/internships	KEC/DEPT/PC/F01	PC-05		0	1	2	3	4		
		Feedback System on Curriculum - Alumni, Course End Survey, Employer, Faculty, Graduate Exit Survey, Parent	KEC/DEPT/CDC/F01	CDC-07A, 07C, 07E, 07F, 07G, 07P	40	0	1	2	3	4	120	No Alumni feedback.
		Mapping of Course Outcomes and Programme Outcomes	KEC/DEPT/CDC/F01	CDC-03,04, 06	40	0	1	2	3	4	160	Verified
		Allotting courses to faculty based on expertise	KEC/DEPT/TTI/F01	TTI-01,02,ACO-02		0	1	2	3	4		
		Allotment of adequate number of hours in time table for theory/practical/project		TTI-03 to 06, HOD-07		0	1	2	3	4		

2. Teaching - Learning Process (300)	Student Enrolment & Improvement in Student Quality Student Teacher Ratio, Cadre Ratio & Adjunct Faculty Structured Course Plan Course Coordination Meeting Course Delivery Methods – Use of ICT tools Continuous Assessment (CA) Test Question Paper standards Conduct of Continuous Assessment Tests Remedial Measures for Slow Learners Adequate number of Assignments and Tutorials Laboratory Plan Quality of Laboratory Manual Project Work Review Schedule Evaluation of CA Test papers Evaluation of Assignments/Tutorials Evaluating experiments – Rubrics/Periodically Evaluation of Projects through Review – Rubrics followed Continuous Assessment Test – Analysis End Semester Result Analysis Course Outcomes and Programme Outcomes Analysis – Direct & Indirect Assessments & Action Taken Quality of Project Reports PAC and QIC formulation and Meeting minutes	KEC/DEPT/HOD/ F01	HOD-03	20	0	1	2	3	4	80	22MBT25 – Human resource Management  In Course Plan, Framing of ILO that is not equivalent with k-level.  20MBE55 – Transactional → verified 22MBL21, Analysis – Computer Applications for Business → Verified	
			HOD-04		0	1	2	3	4			
		KEC/DEPT/CCT/	CCO-01	100	0	1	2	(3)	4	390		
			CCO-02		0	1	2	3	4			
			Course File		0	1	2	3	4			
		KEC/DEPT/CCT/	TCO-05	50	0	1	2	3	4	188	Single review sheet provided for both Examiners	
			TCO-01 to 04, 06,07		0	1	2	3	4			
		KEC/DEPT/CCT/	Course File	80	0	1	2	3	4	308	For PAC & QIC only Single document is Maintained	
			Course File		0	1	2	3	4			
		KEC/DEPT/CCL/	LT-01,LT09	50	0	1	2	3	4	188	Single review sheet provided for both Examiners	
			Course File		0	1	2	3	4			
		KEC/DEPT/CCP/	PR-01,02 (Project file)	80	0	1	2	3	4	308	For PAC & QIC only Single document is Maintained	
			Course File		0	1	2	3	4			
		KEC/DEPT/CCT/	Course File	50	0	1	2	3	4	188	Single review sheet provided for both Examiners	
			Course File		0	1	2	3	4			
		KEC/DEPT/CCL/	Lab Manual	50	0	1	2	3	4	188	Single review sheet provided for both Examiners	
			Project file		0	1	2	(3)	4			
		KEC/DEPT/CLA/ F01	CLA03XL-1 CLA04XL-2	80	0	1	2	3	4	308	For PAC & QIC only Single document is Maintained	
			CLA04XL1,2		0	1	2	3	4			
		KEC/DEPT/POM/ F01	POM-01 to 05	80	0	1	2	3	4	308	For PAC & QIC only Single document is Maintained	
			Sample reports		0	1	2	3	4			
		KEC/DEPT/HOD/ F01	HOD-09 to 12		0	1	2	(3)	4			

		Student Feedback on Course and Teacher	KEC/DEPT/IQI/F01	Feedback form and Action Taken	50	0	1	2	3	4	175	CMC Meeting in Hone generalize
		Course Monitoring Committee Meeting		CMC-01 to 04		0	1	2	3	4		
3.	Research, Innovation and Extension (150)	Seed money Proposals (student funding through IIC may be consider)	KEC/DEPT/RC/F01	Proof	20	0	1	2	3	4	27	no seed money proposal.
		Submission of Project Proposals		RC-01		0	1	2	3	4		
		Research Grants received		Proof		0	1	2	3	4		
		Conference / seminar / workshop/FDP/STTP proposals submitted		RC-01	20	0	1	2	3	4	70	7 proposal submitted. NHRC - training Programme file verified.
		Conference / seminar / workshop/FDP/SSTP organized		Proof		0	1	2	3	4		
		Promotion of Start-ups	KEC/DEPT/HEC/F01	EMC-01 to 05	10	0	1	2	3	4	40	21MBR066 - verified.
		Paper presentation by students		Proof and consolidate list (SAP-XL)	50	0	1	2	3	4	83	SAP - XL - not available (separate format is followed) *need improvement in converting student project into papers.
		Conversion of student projects into paper	KEC/DEPT/RC/F01	RC-03		0	1	2	3	4		
		Quality Publications by faculty		RC-02		0	1	2	3	4		
		Books/Book chapters/Conference proceedings		RC-04		0	1	2	3	4		
		Patents filed/published/granted		RC-04		0	1	2	3	4		
		Awards for Innovation won by Teachers/Research scholars/ Clubs	KEC/DEPT/FST/F01	ASA-05		0	1	2	3	4	80	MARG DARSHAN - Scheme file verified. IIPC file verified.
		Faculty as Resource persons		Proof		0	1	2	3	4		
		Professional development/administrative training programmes organized details		FST-07		0	1	2	3	4		
		Industrial Consultancy/Testing Works	KEC/DEPT/IIPC/F01	IIPC-01,02,03	20	0	1	2	3	4		
		Corporate Training (IIPC/Other Grants)		IIPC-04		0	1	2	3	4		

		Association activities / Clubs/Professional Societies	KEC/DEPT/ASA/F01	ASA-01 to 04	20	0	1	2	3	4	75	Association activities file to be maintained by per format.	
		In plant Training/Internship	KEC/DEPT/IPC/F01	IPC-01 to 04,PC-05		0	1	2	3	4		Inplant training - Not applicable.	
		MoUs signed and activities	KEC/DEPT/IIPC/F01	IIPC-05		0	1	2	3	4		File verified	
		Industrial visits arranged for students	KEC/DEPT/IPC/F01	IV-01 to IV-03		0	1	2	3	4			
		One Faculty- One Industry Progress	KEC/DEPT/RC/F01	IIPC-06		0	1	2	3	4			
		Faculty interaction with industries and monitoring	KEC/DEPT/IIPC/F01	IIPC-01,07,08		0	1	2	3	4		20	
4.	Infrastructure and Learning Resources (100)	Physical facilities – Classrooms, Faculty cabin, seminar hall, Projectors, Printers, etc.	KEC/DEPT/FMM/01	FMM-01 to 04	30	0	1	2	3	4	120	laboratory documents are Verified	
		Laboratory Maintenance Records/Registers	KEC/DEPT/Lab	LT-02 to 08		0	1	2	3	4			
		Equipment working conditions/Calibration				0	1	2	3	4			
		Latest/Research Level equipments – Availability and Utilization				0	1	2	3	4			
		Utilization of budget	KEC/DEPT/HOD/F01, KEC/DEPT/DBC/F01	HOD-06 DBC-01 to 05	20	0	1	2	3	4	60	need to improve utilization	
		Department Library – Maintenance and utilization	KEC/DEPT/Lab	Records	20	0	1	2	3	4	80	Verified	
		Computing Facilities - Maintenance and utilization	KEC/DEPT/Lab	Records	30	0	1	2	3	4	60		
		E-content development – Videos developed	KEC/DEPT/Lab	Records		0	1	2	3	4		Verified	
5.	Student Support and Progression (100)	Placement details and training plan for Skill Development	KEC/DEPT/PC/F01	PC-01 to 04	30	0	1	2	3	4	105		
		Awareness programmes on Higher Education	KEC/DEPT/HEC/F01	HEC-01 to 03		0	1	2	3	4			
		Student participation and success in competitive examinations	KEC/DEPT/HEC/F01	HEC-04	40	0	1	2	3	4	93		
		Percentage of students placed (Improvement over 3 years)	KEC/DEPT/PC/F01	PC-06,07		0	1	2	3	4		Minimum no of students have appeared for the exam	

		Percentage of students joined higher education	KEC/DEPT/HEC/F01	HEC-05		0	1	2	3	4		Higher Education They need to improve Encourage
		Student's participation in Co/Extra-curricular activities (Cultural, Sports, etc.)	KEC/DEPT/SAP/F01	SAP-01 to 04, SAP-XL	20	0	1	2	3	4	60	SAP-XL not in format Verified
		Student achievements and awards		Proof								
		Alumni Visits, Meetings and Guest Lectures		ALC-01 to 05		10	0	1	2	3	40	
6.	Governance, Leadership and Management (100)	SWOT Analysis – Review Meeting	KEC/DEPT/HOD/F01	HOD-02	20	0	1	2	3	4	80	HOD file verified Available
		Academic Audit –Action Taken	KEC/DEPT/IQAC/F01	IQI-01, 02, 04, QP-00		0	1	2	3	4		
		Strategic Development – Centre of Excellence, Collaboration with Foreign Universities, New Courses	KEC/DEPT/HOD/F01	HOD-02	20	0	1	2	3	4	80	verified
		Faculty Training – FDP/NPTEL/Industry	KEC/DEPT/FST/F01	FST-01, 03, 04	20	0	1	2	3	4	80	Verified .
		Faculty Qualification Improvement & Retention		R& D Quarterly Report		0	1	2	3	4		
		Skill up-gradation training for Supporting Staff	KEC/DEPT/FST/F01	FST-02	20	0	1	2	3	4	80	
		Day to Day Activities and Parents-Teachers Meeting	KEC/DEPT/PRM/F01	PRO-01 to 04	20	0	1	2	3	4	80	Not applicable.
7.	Institutional Values and Best Practices (100)	Department Best Practices	File	Proof	30	0	1	2	3	4	120	
		Contribution towards Institutional Values and Social Responsibilities	File	Proof	50	0	1	2	3	4	200	various Awareness programmes conducted - file verified
		Contribution towards Special programmes	File	Proof		0	1	2	3	4		
		Human values and Professional Ethics related activities	File	Proof		0	1	2	3	4		
		Contribution towards Institutional Distinctiveness	File	Proof	20	0	1	2	3	4	80	NISM courses } IITB courses } verified
		Practices for Student Self learning	File	Proof		0	1	2	3	4		

S.No.	Criteria	Maximum Marks (1)	Weighted Average Marks (2)	Grade Point Average (2/1)	Major Remarks / Comments
1.	Curricular Aspects	150	500	3.33	Good
2.	Teaching –Learning Process	300	1137	3.79	Good.
3.	Research, Innovation and Extension	150	395	3.63	Research publications is to be improved
4.	Infrastructure and Learning Resources	100	320	3.2	Good
5.	Student Support and Progression	100	298	2.98	Encourage the students to participate in competitive exams.
6.	Governance Leadership and Management	100	400	4.00	Good
7.	Institutional Values and Best Practices	100	400	4.00	Good.
Total		1000	3450	3.45	

*Good*  
Cm. Mohana Sundari)  
Signature of Department Coordinators  
(with name)

Pr.E.M.Rupa Devi/AsstT (Relese/16/11/23)  
2- C. JAMUNADEVI/AP(SRG) C.Ju/16/11/23  
Signature of Auditors  
(with name and dept.)

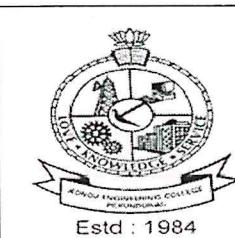
*Vishal*  
Head of the Department  
(with seal)

Name of the Department: MBA

Date(s) of Audit: 10.11.2023

A. Strengths (Y)
Good Curriculum design and development Process
Institutional values and Best practices are good
Good internship progression have done.
B. Concerns (C)
Research funding to be strengthened
C. Weakness/Areas of improvement: (W)
Value Added Courses may be organized
D. Deficiencies: (D)
Need improvement in Budget Utilization

Type of Conformities	Details of non-conformities	Objective Evidence	Cause Analysis
Major	NIL	-	
Minor	<p>1. Conference/Workshop/FDP to be organized.</p> <p>2. Course Monitoring Committee meeting minutes is more generalized.</p> <p>3.SAP XL document may be maintained</p>	<p>KBC /DEPT /RC / FOI CMC -01 - 04 SAP-XL</p>	<p>Monthly two workshop / FDP organised through IIPL.</p> <p>Gave feedback generally will be improved next time.</p> <p>Student participation consider for indirect attainment alone.</p> <p>So IT is maintained in sap parallel format.</p> <p>Conversion of student project into paper in progress through conference cum public.</p>
Finding	<p>1.Conversion student project into paper need to be improved.</p> <p>2. Research Publication by faculty members to be improved as per quality plan.</p> <p>3.In course plan Framing of ILO should meet the knowledge level</p>	<p>RC -03 KBC /DEPT /RC - FOI CEO -01</p>	<p>It is already planned to improve - In progress.</p> <p>Concern faculty informed to correct the same</p>



**KONGU ENGINEERING COLLEGE**  
(Autonomous)  
PERUNDURAI – 638060  
INTERNAL QUALITY ASSURANCE CELL

**Action List including Opportunities for Improvement:**  
**2022 - 2023**



Department: Management Studies

Date of Audit: 10.11.2023

**Non-Conformities**

S.No.	Process	Findings	Results of Root Cause Analysis	Intended Corrections and Corrective Actions	Responsible Person	Due date
1.			Nil			

**Observations (Opportunities for improvement)**

S.No.	Process	Findings	Action	Responsible	Date
1.	Curricular Aspects	Value Added Courses Organized and Participation of Students	Identify some value-added courses to organize	All Faculty Members	Informed
2.		Feedback System on Curriculum	Alumni feedback shall be collected	Dr. P. Karthikeyan	Informed
3.	Teaching-Learning Process	Structured Course Plan	Framing of ILO must be equivalent to the K-Levels	All Faculty Members	Informed
4.		PAC and QIC Formulation and Meeting Minutes	PAC and QIC will be maintained as one file- It was decided during NBA itself. There is no need of separate files for PG Programme.	Dr. R. Somasundaram	Informed
5.		Course Monitoring Committee Meeting	CMC will not be generalized one, to be mentioned specifically.	Academic Coordinator	Informed
6.	Research, Innovation and Extension	Proposals for Seed Money	Seed money proposals may be encouraged	All Faculty Members	Informed
7.		Conference/Seminar/Workshop/FDP/STTP proposals submitted	Instructed junior faculties to submit more proposals towards this category	All Faculty Members	Continuous
8.		Conversion of students' projects into papers	Students were presented papers in conference, connection with	All Faculty Members	Continuous

S.No.	Process	Findings	Action	Responsible	Date
9.	Research, Innovation and Extension	Patents filed/published/granted	Proposals for patents will be encouraged	All Faculty Members	Continuous
10.		Awards for Innovation won by Teachers/ Research Scholars/Clubs	Encouraged all faculty members to concentrate in innovation projects in coming days	All Faculty Members	Continuous
11.		Association Activities / Clubs / Professional Societies	Files to be maintained as per format	Association Staff In-charge	Continuous
12.		Professional Development/Administrative Training Programmes organized	Documents are not in FST-07 format	Dr. M. Mohanasundari	Informed
13.		One Faculty – One Industry	Discussed with IIPC coordinator to plan for the same	All Faculty Members	Continuous
14.		Faculty interaction with industries and monitoring		All Faculty Members	Continuous
15.	Infrastructure and Learning Resources	Utilization of budget	Discussed for further improvement	Dr. P. Sundharesalingam	Informed
16.	Student Support and Progression	Awareness programmes on Higher Education	Programmes to be organized	Dr. V. Krishnamoorthy	Informed
17.		Students' participation and success in competitive examinations	More number of students are to be encouraged for the same	Dr. V. Krishnamoorthy	Informed
18.		Percentage of students joined in higher education	Higher education may be identified and encouraged	Dr. V. Krishnamoorthy	Continuous
19.		Students' participation in co-/extra-curricular activities	SAP-XL should be in format, but the data are maintained in our department format	Association Staff In-charge	Continuous

C. D. pal | 2/3/24

1. (Dr. E. M. Roopadevi/ASP/IT)

C - Sut 2/3/2024

2. (Ms. C. Jamunadevi/AP/CT-PG)  
AP(SG)

Signature of the Auditor(s)  
(Name with Designation & Dept.)

Atttidtee Dept. Coordinator  
(Dr. M. Mohanasundari)

Vidhya Priya  
Atttidtee Dept. HOD  
(Dr. P. Vidhya Priya)



### Audit Evaluation Sheet for the Academic Year 2022-2023

Date of Audit : 09.11.2023.

Auditors Name and Designation

: Dr. K. Gomathi, ASP, MTS  
Dr. R. Tamilisai, AP, Chemistry

Audited Department

: Computer Applications.

S.No	Criteria (Max Mark)	Parameters	File Name	Formats	Max. Mark	Circle the score (0-Low score , 4- High score)					Weighted Average	Observations
1.	Curricular Aspects (150)	Curriculum Design and Development process	KEC/DEPT/CDC/ F01	CDC-01,02	40	0	1	2	3	4	152	-Verified the 2020 and 2022 Curriculum - 22MCIT - Python Programming content included as per employer feedback -Sign missing -New elective courses added
		Curriculum and syllabus – Planning and Implementation		CDC-03,04, 06		0	1	2	3	4		
		Dissemination of regulation, curriculum & Syllabus		CDC-05, 10		0	1	2	3	4		
		Minutes of BOS Meeting		CDC-08, 09		0	1	2	3	4		
		Revision in Elective courses		CDC-11		0	1	2	3	4		
		Value Added Courses – Organized and Participation of students	KEC/DEPT/NVA C/F01	NVC-01 to 06	30	0	1	2	3	4	60	No value added courses
		Student involvement in field projects/internships	KEC/DEPT/PC/F01	PC-05		0	1	2	3	4		so students undergoing internship.
		Feedback System on Curriculum - Alumni, Course End Survey, Employer, Faculty, Graduate Exit Survey, Parent	KEC/DEPT/CDC/ F01	CDC-07A, 07C, 07E, 07F, 07G, 07P	40	0	1	2	3	4	160	All feedback System available.
		Mapping of Course Outcomes and Programme Outcomes	KEC/DEPT/CDC/ F01	CDC-03,04, 06	40	0	1	2	3	4	160	Verified CO & PO mapping,
		Allotting courses to faculty based on expertise	KEC/DEPT/TTI/F 01	TTI- 01,02,ACO-02		0	1	2	3	4		Allotted courses faculty based on skill matrix
		Allotment of adequate number of hours in time table for theory/practical/project		TTI-03 to 06, HOD-07		0	1	2	3	4		Allotted as per norms.

2.	Teaching – Learning Process (300)	Student Enrolment & Improvement in Student Quality	KEC/DEPT/HOD/F01	HOD-03	20	0	1	2	3	(4)	80	126 Students admitted, in 22-24 Batch. ACTE = 1:20 NBA : 1:15
		Student Teacher Ratio, Cadre Ratio & Adjunct Faculty		HOD-04		0	1	2	3	(4)		
		Structured Course Plan	KEC/DEPT/CCT/	CCO-01	100	0	1	2	3	(4)	380	22MCB01- Problem solving using c (Bridge course) Sign missing, attainment not available.
		Course Coordination Meeting		CCO-02		0	1	2	3	(4)		
		Course Delivery Methods – Use of ICT tools		Course File		0	1	2	(3)	4		22MCT12- Advanced data structure & algorithms. Sign missing, attainment not included.
		Continuous Assessment (CA) Test Question Paper standards	KEC/DEPT/CCT/	TCO-05	100	0	1	2	3	(4)	380	22MCP41- Tutorial QP not available. Rubrics should be included in lab manual.
		Conduct of Continuous Assessment Tests	KEC/DEPT/TCO/F01	TCO-01 to 04, 06,07		0	1	2	3	(4)		
		Remedial Measures for Slow Learners	KEC/DEPT/CCT/	Course File		0	1	2	3	(4)		
		Adequate number of Assignments and Tutorials	KEC/DEPT/CCT/	Course File		0	1	2	3	(4)		
		Laboratory Plan	KEC/DEPT/CCL/	LT-01,LT09		0	1	2	3	(4)	187.5	Project Work Review Schedule is available
		Quality of Laboratory Manual		Course File	50	0	1	2	(3)	4		
		Project Work Review Schedule	KEC/DEPT/CCP/	PR-01,02 (Project file)		0	1	2	3	(4)		
		Evaluation of CA Test papers	KEC/DEPT/CCT/	Course File		0	1	2	3	(4)		22MCT13- Advanced data base Technologies Result CAT 1 : 55.56%. Remedial Class conducted. Improved in CAT 2 Performance as 79%.
		Evaluation of Assignments/Tutorials		Course File		0	1	2	3	(4)		
		Evaluating experiments – Rubrics/Periodically	KEC/DEPT/CCL/	Lab Manual	50	0	1	2	(3)	4	187.5	
		Evaluation of Projects through Review – Rubrics followed	KEC/DEPT/CCP/	Project file		0	1	2	3	(4)		
		Continuous Assessment Test – Analysis	KEC/DEPT/CLA/F01	CLA03XL-1 CLA04XL-2		0	1	2	3	(4)	300	Result analysis Verified.
		End Semester Result Analysis		CLA04XL1,2		0	1	2	3	(4)		
		Course Outcomes and Programme Outcomes Analysis – Direct & Indirect Assessments & Action Taken	KEC/DEPT/POM/F01	POM-01 to 05	80	0	1	2	3	4		NA
		Quality of Project Reports	KEC/DEPT/CCP/	Sample reports		0	1	2	3	(4)		
		PAC and QIC formulation and Meeting minutes	KEC/DEPT/HOD/F01	HOD-09 to 12		0	1	2	(3)	4		Quality of project reports verified, PAC, QIC minutes Verified. Sign missing in some pl.

		Student Feedback on Course and Teacher	KEC/DEPT/IQI/F01	Feedback form and Action Taken	50	0	1	2	(3)	4	175	20 meet 4 - Block chair Technology, action taken may be given as an individual parameterwise. Verified - Course Committee meeting
		Course Monitoring Committee Meeting		CMC-01 to 04		0	1	2	3	4		
3. Research, Innovation and Extension (150)	Research, Innovation and Extension (150)	Seed money Proposals (student funding through IIC may be consider)	KEC/DEPT/RC/F01	Proof	20	0	1	2	3	4	6166	Project proposal submitted - 05 nos
		Submission of Project Proposals		RC-01		0	1	2	3	4		
		Research Grants received		Proof		0	1	2	3	4		
		Conference / seminar / workshop/FDP/STTP proposals submitted		RC-01	20	0	1	2	3	4	20	Conference / seminar / workshop / FDP / STTP proposals Submitted only 7 out of 13
		Conference / seminar / workshop/FDP/SSTP organized		Proof		0	1	2	3	4		
		Promotion of Start-ups	KEC/DEPT/HEC/F01	EMC-01 to 05	10	0	1	2	3	4	0	Start-ups NIL
		Paper presentation by students		Proof and consolidate list (SAP-XL)	50	0	1	2	3	4	125	Students paper presentation verified. 23 papers Published out of 23 - 3 papers SCI.
		Conversion of student projects into paper	KEC/DEPT/RC/F01	RC-03		0	1	2	3	4		
		Quality Publications by faculty		RC-02		0	1	2	(3)	4		
		Books/Book chapters/Conference proceedings		RC-04		0	1	2	3	4		
		Patents filed/ published/granted		RC-04		0	1	2	3	4		
		Awards for Innovation won by Teachers/Research scholars/ Clubs	KEC/DEPT/FST/F01	ASA-05		0	1	2	3	4		Patent filed & Awards received by faculty . NIL.
		Faculty as Resource persons		Proof	20	0	1	2	(3)	4		
		Professional development/ administrative training programmes organized details		FST-07		0	1	2	3	4		
		Industrial Consultancy/Testing Works	KEC/DEPT/IIPC/F01	IIPC-01,02,03	20	0	1	2	3	4		Professional development Yoga was conducted.
		Corporate Training (IIPC/Other Grants)		IIPC-04		0	1	2	3	4		

		Association activities / Clubs/Professional Societies	KEC/DEPT/ASA/F01	ASA-01 to 04	20	0	1	2	3	4	54.2	Association activity IIPC files verified.	
		In plant Training/Internship	KEC/DEPT/IIPC/F01	IIPC-01 to 04,PC-05		0	1	2	3	4			
		MoUs signed and activities	KEC/DEPT/IIPC/F01	IIPC-05		0	1	2	3	4			
		Industrial visits arranged for students	KEC/DEPT/IIPC/F01	IV-01 to IV-03		0	1	2	3	4			
	4. Infrastructure and Learning Resources (100)	One Faculty- One Industry Progress	KEC/DEPT/RC/F01	IIPC-06	10	0	1	2	3	4	15		
		Faculty interaction with industries and monitoring	KEC/DEPT/IIPC/F01	IIPC-01,07,08		0	1	2	3	4			
		Physical facilities – Classrooms, Faculty cabin, seminar hall, Projectors, Printers, etc.	KEC/DEPT/FMM/01	FMM-01 to 04	30	0	1	2	3	4	112.5	FMM -verified	
		Laboratory Maintenance Records/Registers	KEC/DEPT/Lab	LT-02 to 08		0	1	2	3	4		Lab Maintenance & Utilization verified.	
		Equipment working conditions/Calibration				0	1	2	3	4			
		Latest/Research Level equipments – Availability and Utilization				0	1	2	3	4			
		Utilization of budget	KEC/DEPT/HOD/F01, KEC/DEPT/DBC/F01	HOD-06 DBC-01 to 05	20	0	1	2	3	4	80	Budget Utilization Verified.	
		Department Library – Maintenance and utilization	KEC/DEPT/Lab	Records	20	0	1	2	3	4	80		
	5. Student Support and Progression (100)	Computing Facilities - Maintenance and utilization	KEC/DEPT/Lab	Records	30	0	1	2	3	4	90	Computing facilities -verified.	
		E-content development – Videos developed	KEC/DEPT/Lab	Records		0	1	2	3	4			
		Placement details and training plan for Skill Development	KEC/DEPT/PC/F01	PC-01 to 04	30	0	1	2	3	4	60	PC -01 to 04 Verified.	
		Awareness programmes on Higher Education	KEC/DEPT/HEC/F01	HEC-01 to 03		0	1	2	3	4			
		Student participation and success in competitive examinations	KEC/DEPT/HEC/F01	HEC-04	40	0	1	2	3	4		PC -file Verified $2019-2022 = 80\%$ $2020-2023 = 85\%$	
		Percentage of students placed (Improvement over 3 years)	KEC/DEPT/PC/F01	PC-06,07		0	1	2	3	4			

		Percentage of students joined higher education	KEC/DEPT/HEC/F01	HEC-05		0	1	2	3	4	93.33	
		Student's participation in Co/Extra-curricular activities (Cultural, Sports, etc.)	KEC/DEPT/SAP/F01	SAP-01 to 04, SAP-XL	20	0	1	2	3	4	60	Student achievements verified. Students awards documents not maintained.
		Student achievements and awards		Proof								
		Alumni Visits, Meetings and Guest Lectures	KEC/DEPT/ALC/F01	ALC-01 to 05	10	0	1	2	3	4	40	ALC -01 to 05 verified
6.	Governance, Leadership and Management (100)	SWOT Analysis – Review Meeting	KEC/DEPT/HOD/F01	HOD-02	20	0	1	2	3	4	80	IQI Verified
		Academic Audit –Action Taken	KEC/DEPT/IQAC/F01	IQI-01, 02,04, QP-00		0	1	2	3	4		
		Strategic Development – Centre of Excellence, Collaboration with Foreign Universities, New Courses	KEC/DEPT/HOD/F01	HOD-02	20	0	1	2	3	4	40	Offering new courses may improved.
		Faculty Training – FDP/NPTEL/Industry	KEC/DEPT/FST/F01	FST-01,03, 04	20	0	1	2	3	4	80	FST - 01 to 04 Verified
		Faculty Qualification Improvement & Retention		R& D Quarterly Report		0	1	2	3	4		
		Skill up-gradation training for Supporting Staff	KEC/DEPT/FST/F01	FST-02	20	0	1	2	3	4	80	HEC programme with certificates verified
		Day to Day Activities and Parents-Teachers Meeting	KEC/DEPT/PRM/F01	PRO-01 to 04	20	0	1	2	3	4	80	
7.	Institutional Values and Best Practices (100)	Department Best Practices	File	Proof	30	0	1	2	3	4	90	
		Contribution towards Institutional Values and Social Responsibilities	File	Proof	50	0	1	2	3	4	66.66	Special programmes may improved.
		Contribution towards Special programmes	File	Proof		0	1	2	3	4		
		Human values and Professional Ethics related activities	File	Proof	20	0	1	2	3	4	40	
		Contribution towards Institutional Distinctiveness	File	Proof		0	1	2	3	4		
		Practices for Student Self learning	File	Proof		0	1	2	3	4		

S.No.	Criteria	Maximum Marks (1)	Weighted Average Marks (2)	Grade Point Average (2/1)	Major Remarks / Comments
1.	Curricular Aspects	150	687	4.58	Well defined curriculum
2.	Teaching –Learning Process	300	1042.5	3.75	Rubrics should be included in Lab Many
3.	Research, Innovation and Extension	150	220.86	1.47	Proposal submission may improved.
4.	Infrastructure and Learning Resources	100	362.5	3.63	Well documented.
5.	Student Support and Progression	100	253.33	2.53	Placement & Student's achievements govt
6.	Governance Leadership and Management	100	360	3.6	All documents properly maintained
7.	Institutional Values and Best Practices	100	196.66	1.97	Special programmes may organise
<b>Total</b>		1000	<b>3122.85</b> = 3.12	<b>21.53</b>	

*14/11/23*  
 Signature of Department Coordinators  
 (with name)  
 [Dr. M. Pyingkodi]

1. *Dr. K. Geomathi*  
 (Dr. K. Geomathi)  
 MTS  
 15/11/23

2. *Dr. R. Tamizh Selvi / che*  
 (Dr. R. Tamizh Selvi / che)  
 Signature of Auditors  
 (with name and dept.)

*OBamal C*  
 (31/11/2023)  
 Head of the Department  
 (with seal)

HEAD  
 DEPARTMENT OF COMPUTER APPLICATIONS  
 SCHOOL OF COMPUTER TECHNOLOGY AND APPLICATIONS  
 KONGU ENGINEERING COLLEGE  
 THOOPUPALAYAM (PO)  
 PERUNDURAI (TK), ERODE - 638 063

**KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE-638060**  
**(Autonomous)**  
**INTERNAL QUALITY ASSURANCE CELL (IQAC)**  
**ACADEMIC AUDIT 2022-2023 - ANALYSIS REPORT**

**Name of the Department: Computer Applications**

**Date(s) of Audit: 09.11.2023**

A. Strengths (Y)
<ul style="list-style-type: none"> <li>• Good Faculty strength and easy retrieval of documents</li> <li>• Maintained good Internship records</li> </ul>
B. Concerns (C)
Attainment of CO, PO mapping of course should be clearly defined.
C. Weakness/Areas of improvement: (W)
Special Programs may be conducted
D. Deficiencies: (D)
Submission of Project and seminar Proposals may be increased

Type of Conformities	Details of non-conformities	Objective Evidence	Cause Analysis
Major	-		
Minor	1. Value-added courses may be conducted 2. Publication of SCI papers can be improved	Value added cause is planned Encouraged the faculty members to publish more numbers of SCI papers.	Next Sem. React framework is planned Due to staff year in Sept 23 first week Awards Applied Student project were not up to high level
Finding	1. Awards received by faculty is less 2. Patent may be applied	Awareness is created to apply for awards & Patents;	Awardees Applied Student project were not up to high level
Observation	1. Attainment of CO and PO mapping should be well defined. 2. The sign missing in some documents	Co-PO mapping followed but not knowledge level not calculated.	Was followed Due to HOD transfer.

1. (Dr. K. Gomathi)  
 15/11/23

2. (Dr. R. Tamilisai)  
 15/11/23

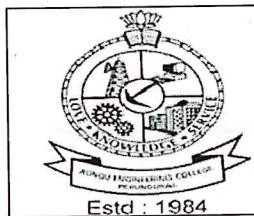
**Auditors**

Name and Signature

(M. Pyingkodi)  
 16/11/23  
 Name and Signature

(Dr. M. Pyingkodi)

(S. Ramalingam)  
 HOD 17/11/2023



**KONGU ENGINEERING COLLEGE  
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PERUNDURAI – 638060  
INTERNAL QUALITY ASSURANCE CELL**



**Action List including Opportunities for Improvement**

**Department: MCA**

**Date: 19.02.2024**

**Nonconformities**

S.No.	Process	Findings	Results of Root Cause Analysis	Intended Corrections and Corrective Actions	Responsible Person	Due date
1.	Curricular Aspects	Value Added Course may be conducted	The Second year students were engaged in placement drive. I MCA students joined in the last week of September 2023, parallel with academics, the students went for placement training activities.	In the current semester, value added course are planned for I MCA year students.	Coordinator	Even Semester(Dec 2023 – May 2024)
2.	Research, Innovation and Extension	Publications of SCI papers can be improved	Faculty member were submitted to SCI journals, most of the papers are under the review process for a long duration.	PhD Faculty members are submitted papers in the SCI Journals and some of the papers are accepted to publish	All faculty	Even Semester(Dec 2023 – May 2024)
3.	Research, Innovation and Extension	Awards received by faculty is less	The faculty members haven't identify the reputed awarding organization	Faculty members are applied to different awarding organization.	All faculty	Even Semester(Dec 2023 – May 2024)
4.	Research, Innovation and Extension	Patent may be applied	The students have not undertaken any high-standard projects to carry out at a patent level	Students are encouraged to do innovative projects and may be converted into patent	All faculty	Even Semester(Dec 2023 – May 2024)

Observations (Opportunities for improvement)

S.No.	Process	Findings	Action	Responsible	Date
1.	Teaching – Learning Process	Attainment of CO and PO Mapping should be well defined	CO-PO calculation will be revised based on IQAC revision	COP0 Mapping Coordinator	Current Semester
2.	Teaching – Learning Process	The sign missing in some documents	Informed to all faculty members and Instruction is given to all course coordinators to verify the course file before the document submission to IQAC Audit	Course Coordinator	Current Semester
3.	Student Support and Progression	Students awards document not maintained	Recorded the activities related to award and achievements in SAP File	Coordinator	Immediate
4.	Governance, Leadership and Management	Offering new courses may improved	Center of Excellence has been planned with Guvi Geek Network Private Limited. Industry oriented course can be offered to the students	BOS Coordinator	March 2024
5.	Institutional values and best Practices	Special programme may improved	Hands-on training on MS Office software was conducted for the Government Higher Secondary School in Tiruchengode, Namakkal District	Coordinator	July 2023

B. R. R. TAMILISAI  
19/2/2024

Signature of Auditor  
(Name with Designation & Dept.)

DR. K. QUMATI / ASP(MT)

M. PYINGKOHTI  
Auditee Dept. Coordinator  
(Dr. M. PYINGKOHTI)

Bammal  
19/2/2024

Auditee Dept. HOD



### Audit Evaluation Sheet for the Academic Year 2022-2023

Auditors Name and Designation

: Dr. M. Bhuvanesh Kumar / AP / Mech  
Dr. S. Sathya APCSR-a) / Maths

Date of Audit : 10.11.2023

Audited Department

: CT - UG

S.No	Criteria (Max Mark)	Parameters	File Name	Formats	Max. Mark	Circle the score (0-Low score , 4- High score)					Weighted Average	Observations
1.	Curricular Aspects (150)	Curriculum Design and Development process	KEC/DEPT/CDC/ F01	CDC-01,02	40	0	1	2	3	4	152	CDC documents verified BOS meeting minutes verified
		Curriculum and syllabus – Planning and Implementation		CDC-03,04, 06		0	1	2	3	4		
		Dissemination of regulation, curriculum & Syllabus		CDC-05, 10		0	1	2	3	4		
		Minutes of BOS Meeting		CDC-08, 09		0	1	2	3	4		
		Revision in Elective courses		CDC-11		0	1	2	3	4		
		Value Added Courses – Organized and Participation of students	KEC/DEPT/NVA C/F01	NVC-01 to 06	30	0	1	2	3	4	105	NVC 01, 02, 06 Verified PCOS verified SDY. achieved
		Student involvement in field projects/internships		KEC/DEPT/PC/F01		0	1	2	3	4		
		Feedback System on Curriculum - Alumni, Course End Survey, Employer, Faculty, Graduate Exit Survey, Parent	KEC/DEPT/CDC/ F01	CDC-07A, 07C, 07E, 07F, 07G, 07P	40	0	1	2	3	4	120	Feedback curriculum verified
		Mapping of Course Outcomes and Programme Outcomes		KEC/DEPT/CDC/ F01		CDC-03,04, 06	0	1	2	3	4	
		Allotting courses to faculty based on expertise	KEC/DEPT/TTI/F 01	TTI- 01,02,ACO-02	40	0	1	2	3	4	147	verified
		Allotment of adequate number of hours in time table for theory/practical/project		TTI-03 to 06, HOD-07		0	1	2	3	4		

2. Teaching -Learning Process (300)	Student Enrolment & Improvement in Student Quality	KEC/DEPT/HOD/ F01	HOD-03 ✓	20	0	1	2	3	4	80	Verified
					0	1	2	3	4		
	Student Teacher Ratio, Cadre Ratio & Adjunct Faculty Structured Course Plan Course Coordination Meeting Course Delivery Methods – Use of ICT tools	KEC/DEPT/CCT/	CCO-01	100	0	1	2	3	4	370	CCO 01, 02 Verified 22 BCT 23 Sample verified Circular for remedial action for remedial Closed loop for action for remedial Tutorial questions k-Level to be maintained LT01, LT09 Verified
			CCO-02		0	1	2	3	4		
			Course File		0	1	2	3	4		
			TCO-05		0	1	2	3	4		
	Continuous Assessment (CA) Test Question Paper standards	KEC/DEPT/CCT/	TCO-01 to 04, 06,07	50	0	1	2	3	4	187	22 BCT 11 Sample Verified
			Course File		0	1	2	3	4		
	Conduct of Continuous Assessment Tests Remedial Measures for Slow Learners	KEC/DEPT/TCO/ F01	Course File	80	0	1	2	3	4	256	CO - PO mapping NOT available Verified
			Course File		0	1	2	3	4		
	Adequate number of Assignments and Tutorials Laboratory Plan	KEC/DEPT/CCT/	Course File	80	0	1	2	3	4	256	CO - PO mapping NOT available Verified
			LT-01, LT09		0	1	2	3	4		
	Quality of Laboratory Manual Project Work Review Schedule	KEC/DEPT/CCL/	Course File	80	0	1	2	3	4	256	CO - PO mapping NOT available Verified
			Course File		0	1	2	3	4		
	Evaluation of CA Test papers Evaluation of Assignments/Tutorials	KEC/DEPT/CCT/	PR-01,02 (Project file)	80	0	1	2	3	4	256	CO - PO mapping NOT available Verified
			Course File		0	1	2	3	4		
	Evaluating experiments – Rubrics/Periodically Evaluation of Projects through Review – Rubrics followed	KEC/DEPT/CCL/	Lab Manual	80	0	1	2	3	4	256	CO - PO mapping NOT available Verified
			Project file		0	1	2	3	4		
	Continuous Assessment Test – Analysis End Semester Result Analysis	KEC/DEPT/CLA/ F01	CLA03XL-1 CLA04XL-2	80	0	1	2	3	4	256	CO - PO mapping NOT available Verified
			CLA04XL1,2		0	1	2	3	4		
	Course Outcomes and Programme Outcomes Analysis – Direct & Indirect Assessments & Action Taken Quality of Project Reports	KEC/DEPT/POM/ F01	POM-01 to 05	80	0	1	2	3	4	256	CO - PO mapping NOT available Verified
			Sample reports		0	1	2	3	4		
	PAC and QIC formulation and Meeting minutes	KEC/DEPT/HOD/ F01	HOD-09 to 12		0	1	2	3	4		

		Student Feedback on Course and Teacher	KEC/DEPT/IQI/F01	Feedback form and Action Taken	50	0	1	2	3	4	200	Verified for odd & even sem Verified
		Course Monitoring Committee Meeting		CMC-01 to 04		0	1	2	3	4		
3.	Research, Innovation and Extension (150)	Seed money Proposals (student funding through IIC may be consider)	KEC/DEPT/RC/F01	Proof	20	0	1	2	3	4	13.33	- NA
		Submission of Project Proposals		RC-01	0	1	2	3	4	- more proposals to be sent		
		Research Grants received		Proof	0	1	2	3	4	- nil		
		Conference / seminar / workshop/FDP/STTP proposals submitted		RC-01	0	1	2	3	4	- more proposals to be submitted		
		Conference / seminar / workshop/FDP/SSTP organized		Proof	20	0	1	2	3	4	10	- nil
		Promotion of Start-ups	KEC/DEPT/HEC/F01	EMC-01 to 05	10	0	1	2	3	4	0	- nil
		Paper presentation by students		Proof and consolidate list (SAP-XL)	0	1	2	3	4	12.5	- Verified	
		Conversion of student projects into paper	KEC/DEPT/RC/F01	RC-03	0	1	2	3	4		- Proofs should be available with affiliations	
		Quality Publications by faculty		RC-02	0	1	2	3	4		- nil	
		Books/Book chapters/Conference proceedings		RC-04	0	1	2	3	4		Documents to be signed by HOD	
		Patents filed/published/granted		RC-04	0	1	2	3	4		- faculty as resource person is not documented	
		Awards for Innovation won by Teachers/Research scholars/ Clubs	KEC/DEPT/FST/F01	ASA-05	0	1	2	3	4		- nil	
		Faculty as Resource persons		Proof	0	1	2	3	4	20	- Verified	
		Professional development/administrative training programmes organized details		FST-07	0	1	2	3	4		- Only one available	
		Industrial Consultancy/Testing Works	KEC/DEPT/IIPC/F01	IIPC-01,02,03	0	1	2	3	4			
		Corporate Training (IIPC/Other Grants)		IIPC-04	0	1	2	3	4			

		Association activities / Clubs/Professional Societies	KEC/DEPT/ASA/F01	ASA-01 to 04	20	0	1	2	3	4	54	Verified -N1
		In plant Training/Internship	KEC/DEPT/IPC/F01	IPC-01 to 04,PC-05		0	1	2	3	4		
		MoUs signed and activities	KEC/DEPT/IIPC/F01	IIPC-05		0	1	2	3	4		
		Industrial visits arranged for students	KEC/DEPT/IPC/F01	IV-01 to IV-03		0	1	2	3	4		
4.	Infrastructure and Learning Resources (100)	One Faculty- One Industry Progress	KEC/DEPT/RC/F01	IIPC-06	10	0	1	2	3	4	15	-N1 (Not available) -I IPC 01, 08 not availab
		Faculty interaction with industries and monitoring	KEC/DEPT/IIPC/F01	IIPC-01,07,08		0	1	2	3	4		
		Physical facilities – Classrooms, Faculty cabin, seminar hall, Projectors, Printers, etc.	KEC/DEPT/FMM/F01	FMM-01 to 04		0	1	2	3	4		F MM documents Verified
		Laboratory Maintenance Records/Registers	KEC/DEPT/Lab	LT-02 to 08		0	1	2	3	4		
		Equipment working conditions/Calibration		30	0	1	2	3	4	113	LT – Verified	
		Latest/Research Level equipments – Availability and Utilization			0	1	2	3	4			
		Utilization of budget	KEC/DEPT/HOD/F01, KEC/DEPT/DBC/F01		HOD-06 DBC-01 to 05	0	1	2	3			4
		Department Library – Maintenance and utilization	KEC/DEPT/Lab	Records	20	0	1	2	3	4	60	verified
5.	Student Support and Progression (100)	Computing Facilities - Maintenance and utilization	KEC/DEPT/Lab	Records	20	0	1	2	3	4	40	verified
		E-content development – Videos developed	KEC/DEPT/Lab	Records	30	0	1	2	3	4	120	Maintenance & utilization available E content verified
		Placement details and training plan for Skill Development	KEC/DEPT/PC/F01	PC-01 to 04		0	1	2	3	4		
		Awareness programmes on Higher Education	KEC/DEPT/HEC/F01	HEC-01 to 03	30	0	1	2	3	4	120	can be referred with central committee
		Student participation and success in competitive examinations	KEC/DEPT/HEC/F01	HEC-04		0	1	2	3	4		
		Percentage of students placed (Improvement over 3 years)	KEC/DEPT/PC/F01	PC-06,07	40	0	1	2	3	4		Verified

		Percentage of students joined higher education	KEC/DEPT/HEC/F01	HEC-05		0	1	2	3	4	160	
		Student's participation in Co/Extra-curricular activities (Cultural, Sports, etc.)	KEC/DEPT/SAP/F01	SAP-01 to 04, SAP-XL	20	0	1	2	3	4	80	To be in format (IAL) & count can be increased
		Student achievements and awards		Proof								
		Alumni Visits, Meetings and Guest Lectures	KEC/DEPT/ALC/F01	ALC-01 to 05	10	0	1	2	3	4	40	
6.	Governance, Leadership and Management (100)	SWOT Analysis – Review Meeting	KEC/DEPT/HOD/F01	HOD-02	20	0	1	2	3	4	40	Verified
		Academic Audit –Action Taken	KEC/DEPT/IQAC/F01	IQI-01, 02,04, QP-00		0	1	2	3	4	70	Verified
		Strategic Development – Centre of Excellence, Collaboration with Foreign Universities, New Courses	KEC/DEPT/HOD/F01	HOD-02	20	0	1	2	3	4	40	
		Faculty Training – FDP/NPTEL/Industry	KEC/DEPT/FST/F01	FST-01,03, 04	20	0	1	2	3	4	70	
		Faculty Qualification Improvement & Retention		R& D Quarterly Report		0	1	2	3	4	70	
		Skill up-gradation training for Supporting Staff	KEC/DEPT/FST/F01	FST-02	20	0	1	2	3	4	40	Required -3 available -1
		Day to Day Activities and Parents-Teachers Meeting	KEC/DEPT/PRM/F01	PRO-01 to 04	20	0	1	2	3	4	80	
7.	Institutional Values and Best Practices (100)	Department Best Practices	File	Proof	30	0	1	2	3	4	90	
		Contribution towards Institutional Values and Social Responsibilities	File	Proof		0	1	2	3	4		Initiatives may be taken for making institutional & social contributions
		Contribution towards Special programmes	File	Proof		0	1	2	3	4		
		Human values and Professional Ethics related activities	File	Proof	20	0	1	2	3	4		
		Contribution towards Institutional Distinctiveness	File	Proof		0	1	2	3	4		
		Practices for Student Self learning	File	Proof		0	1	2	3	4	40	

S.No.	Criteria	Maximum Marks (1)	Weighted Average Marks (2)	Grade Point Average (2/1)	Major Remarks / Comments
1.	Curricular Aspects	150	524	3.49	
2.	Teaching –Learning Process	300	1093	3.64	
3.	Research, Innovation and Extension	150	217	1.44	The processes are well documented
4.	Infrastructure and Learning Resources	100	333	3.33	More Research proposals to be submitted
5.	Student Support and Progression	100	400	4	
6.	Governance Leadership and Management	100	300	3	
7.	Institutional Values and Best Practices	100	180	1.8	
<b>Total</b>		1000	3,047	3.04	

*S. Kavita*  
20/11/13

Signature of Department Coordinators  
(with name)

[Dr. S. KAUVIKA BHARADJI]

*S. M. Raja (Dr. S. SATHYA)*

*P. Bhuvaneswari (Dr. M. Bhuvaneswari Kumary)*

*Mala*  
21/11/13  
Head of the Department  
(with seal)

**KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE-638060**  
**(Autonomous)**  
**INTERNAL QUALITY ASSURANCE CELL (IQAC)**  
**ACADEMIC AUDIT 2022-2023 - ANALYSIS REPORT**

Name of the Department: C T - UG  
Date(s) of Audit: 10.11.2023

A. Strengths (Y)	Curricular aspects, Teaching & learning practices
B. Concerns (C)	Closed loop action for remedial classes should be adopted.
C. Weakness/Areas of improvement: (W)	The weak areas include student's pass percentage, & research activities that needs improvement.
D. Deficiencies: (D)	Research grants and patents are not available.

Type of Conformities	Details of non-conformities	Objective Evidence	Cause Analysis
Major	1. 2. 3. . . .	-	-
Minor	1. Publications in SCI journals can be improved. 2. 3. . . .	RC 02	Due to diversify student strength, need more concentration in regular activities.
Finding	1. Awards received by faculty is not available. 2. No initiatives taken to file patents. 3. . . .	Prof. RCOH	Initiative measures taken for improvement
Observation	1. Documents should be prepared as per IQAC format. 2. Few documents have not been signed by respective incharge. . . .	Student details	Same document in more than one file.

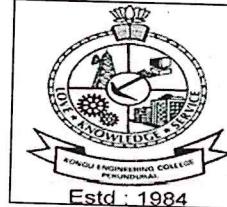
**Auditors**  
Name and Signature

P.T. S. (Dr. M. Bhupanesh Kumar)  
S. S. (Dr. S. SATHYA)

**IQAC Coordinator**  
Name and Signature

J. K. S. (Dr. J. K. Sathya)

*Muthu*  
HOD 21/11/23



**KONGU ENGINEERING COLLEGE  
(Autonomous)  
PERUNDURAI – 638060  
INTERNAL QUALITY ASSURANCE CELL**

**Action List including Opportunities for Improvement**



**Department: COMPUTER TECHNOLOGY - UG**

**Date: 14.02.2024**

**Nonconformities**

S.No.	Process	Findings	Results of Root Cause Analysis	Intended Corrections and Corrective Actions	Responsible Person	Due date
1	Research and Development	Publication in SCI Journal to be improved	Insufficient time for research and paper preparation	Workload may be adjusted to provide space for research	All the faculty members	End of the AY: May 2024
2	Research Innovation and Development	No initiatives taken to file patents	More concentration are given for application development projects	Awareness program may be conducted for the faculty	All the faculty members	May 2024

*S. Vitti  
14/2/24.*

(P.T.O)

**Observations (Opportunities for improvement)**

S.No.	Process	Findings	Action	Responsible	Date
1	Documents Preparation	Documents should be prepared as per IQAC format	Faculty concern are instructed to maintain document in IQAC file format	Student details coordinator	Next A.Y.
2	Mark Analysis	Pass Percentage	All faculties are instructed to take more care for slow learners to improve the pass percentage	All faculty members	May 2024

S. 18/12/24 (Dr. S. SATHYA)

(Dr. M. Bhuvanesh Kumar)

Signature of Auditor

(Name with Designation & Dept.)

S. Vinita  
14/12/24

Auditee Dept. Coordinator

(S. KAVINTA BHAKARNE)

17/12/24

Auditee Dept. HOD

(Dr. S. KALAI SELVI).



### Audit Evaluation Sheet for the Academic Year 2022-2023

Date of Audit : 09.11.2023

Auditors Name and Designation : Dr. C. RANGASAMI & DR.T.TAMILARAS)

Audited Department : CT - PGT

S.No.	Criteria (Max Mark)	Parameters	File Name	Formats	Max. Mark	Circle the score (0-Low score , 4- High score)					Weighted Average	Observations
1.	Curricular Aspects (150)	Curriculum Design and Development process	KEC/DEPT/CDC/F01	CDC-01,02	40	0	1	2	3	4	152	Curriculum and Syllabus framing well planned and verified
		Curriculum and syllabus – Planning and Implementation		CDC-03,04, 06		0	1	2	3	4		
		Dissemination of regulation, curriculum & Syllabus		CDC-05, 10		0	1	2	3	4		
		Minutes of BOS Meeting		CDC-08, 09		0	1	2	3	4		
		Revision in Elective courses		CDC-11		0	1	2	3	4		
		Value Added Courses – Organized and Participation of students	KEC/DEPT/NVA C/F01	NVC-01 to 06	30	0	1	2	3	4	105	* Verified
		Student involvement in field projects/internships	KEC/DEPT/PC/F01	PC-05		0	1	2	3	4		
		Feedback System on Curriculum - Alumni, Course End Survey, Employer, Faculty, Graduate Exit Survey, Parent	KEC/DEPT/CDC/F01	CDC-07A, 07C, 07E, 07F, 07G, 07P	40	0	1	2	3	4	160	* Verified
		Mapping of Course Outcomes and Programme Outcomes	KEC/DEPT/CDC/F01	CDC-03,04, 06	40	0	1	2	3	4	160	* Verified
		Allotting courses to faculty based on expertise	KEC/DEPT/TTI/F01	TTI-01,02,ACO-02		0	1	2	3	4		
		Allotment of adequate number of hours in time table for theory/practical/project		TTI-03 to 06, HOD-07		0	1	2	3	4		

2. Teaching - Learning Process (300)	Student Enrolment & Improvement in Student Quality	KEC/DEPT/HOD/F01	HOD-03 ✓	20	0	1	2	3	4	70	Verified.
	Student Teacher Ratio, Cadre Ratio & Adjunct Faculty		HOD-04 ✓		0	1	2	3	4		
	Structured Course Plan	KEC/DEPT/CCT/	CCO-01 ✓	100	0	1	2	3	4	350	20IST23 - Web programming
	Course Coordination Meeting		CCO-02 ✗		0	1	2	3	4		22IST43 - Problem solving & Programming
	Course Delivery Methods – Use of ICT tools		Course File ✓		0	1	2	3	4		18IST81 - Cloud computing
	Continuous Assessment (CA) Test Question Paper standards	KEC/DEPT/CCT/	TCO-05 ✓		0	1	2	3	4	350	22ISL23 - Web programming Lab
	Conduct of Continuous Assessment Tests		TCO-01 to 04, 06,07 ✓		0	1	2	3	4		18FSE36 - Blockchain Tech.
	Remedial Measures for Slow Learners	KEC/DEPT/CCT/	Course File ✓	100	0	1	2	3	4	350	Files verified.
	Adequate number of Assignments and Tutorials		Course File ✓		0	1	2	3	4		* Faculty sign with date missing.
	Laboratory Plan	KEC/DEPT/CCL/	LT-01, LT09 ✓	50	0	1	2	3	4	175	* Manuals verified.
	Quality of Laboratory Manual		Course File ✓		0	1	2	3	4		* Project Rubrics followed. But reviewer comments should be noted.
	Project Work Review Schedule	KEC/DEPT/CCP/	PR-01,02 (Project file) ✓	80	0	1	2	3	4	280	* Test file verified.
	Evaluation of CA Test papers		Course File ✓		0	1	2	3	4		* End sem Analysis verified - NOT Applicable
	Evaluation of Assignments/Tutorials	KEC/DEPT/CCT/	Course File ✓		0	1	2	3	4	NA	* Project report verified. But quality of report should be monitored.
	Evaluating experiments – Rubrics/Periodically		Lab Manual ✓		0	1	2	3	4		
	Evaluation of Projects through Review – Rubrics followed	KEC/DEPT/CCP/	Project file ✓	80	0	1	2	3	4	NA	
	Continuous Assessment Test – Analysis	KEC/DEPT/CLA/F01	CLA03XL-1 CLA04XL-2		0	1	2	3	4		
	End Semester Result Analysis		CLA04XL1,2		0	1	2	3	4		
	Course Outcomes and Programme Outcomes Analysis – Direct & Indirect Assessments & Action Taken	KEC/DEPT/POM/F01	POM-01 to 05 NA	80	0	1	2	3	4	NA	
	Quality of Project Reports	KEC/DEPT/CCP/	Sample reports ✓		0	1	2	3	4		
	PAC and QIC formulation and Meeting minutes	KEC/DEPT/HOD/F01	HOD-09 to 12 ✓		0	1	2	3	4		

		Student Feedback on Course and Teacher	KEC/DEPT/IQI/F01	Feedback form and Action Taken	50	0	1	2	3	4	200	Feedback file verified.
		Course Monitoring Committee Meeting		CMC-01 to 04		0	1	2	3	4		
3.	Research, Innovation and Extension (150)	Seed money Proposals (student funding through IIC may be consider)	KEC/DEPT/RC/F01	Proof	20	0	1	2	3	4	NA	* Only 8 proposals sent. Need to send more. * Research grant is less.
		Submission of Project Proposals		RC-01		0	1	2	3	4		
		Research Grants received		Proof		0	1	2	3	4		
		Conference / seminar / workshop/FDP/STTP proposals submitted		RC-01	20	0	1	2	3	4	40	File verified. - NLL
		Conference / seminar / workshop/FDP/SSTP organized		Proof		0	1	2	3	4		
		Promotion of Start-ups	KEC/DEPT/HEC/F01	EMC-01 to 05	10	0	1	2	3	4	40	File verified
		Paper presentation by students	KEC/DEPT/SAP/F01	Proof and consolidate list (SAP-XL)	50	0	1	2	3	4	116.67	* Verified * Only 17 applied out of 80. * More no. of papers to be published by faculty
		Conversion of student projects into paper		RC-03		0	1	2	3	4		
		Quality Publications by faculty		RC-02		0	1	2	3	4		
		Books/Book chapters/Conference proceedings		RC-04		0	1	2	3	4		
		Patents filed/published/granted		RC-04		0	1	2	3	4		
		Awards for Innovation won by Teachers/Research scholars/ Clubs	KEC/DEPT/FST/F01	ASA-05		0	1	2	3	4		NLL
		Faculty as Resource persons		Proof	20	0	1	2	3	4	40	* Less number of training organized * Verified * NLL
		Professional development/administrative training programmes organized details		FST-07		0	1	2	3	4		
		Industrial Consultancy/Testing Works	KEC/DEPT/IIPC/F01	IIPC-01,02,03		0	1	2	3	4		
		Corporate Training (IIPC/Other Grants)		IIPC-04		0	1	2	3	4		

		Association activities / Clubs/Professional Societies	KEC/DEF ASA/F01	ASA-01 to 04	20	0	1	2	3	4	70	* File verified.	
		In plant Training/Internship	KEC/DEPT/IPC/F01	IPC-01 to 04,PC-05		0	1	2	3	4		* only one MoU signed for 22-23	
		MoUs signed and activities	KEC/DEPT/IIPC/F01	IIPC-05		0	1	2	3	4			
		Industrial visits arranged for students	KEC/DEPT/IPC/F01	IV-01 to IV-03		0	1	2	3	4		* File verified.	
	4.	One Faculty- One Industry Progress	KEC/DEPT/RC/F01	IIPC-06	10	0	1	2	3	4	20	- NIL	
		Faculty interaction with industries and monitoring	KEC/DEPT/IIPC/F01	IIPC-01,07,08		0	1	2	3	4		* File verified	
	Infrastructure and Learning Resources (100)	Physical facilities – Classrooms, Faculty cabin, seminar hall, Projectors, Printers, etc.	KEC/DEPT/FMM/F01	FMM-01 to 04	30	0	1	2	3	4	105	✓ verified	
		Laboratory Maintenance Records/Registers	KEC/DEPT/Lab	LT-02 to 08		0	1	2	3	4		latest/modern equipment availability to be improved.	
		Equipment working conditions/Calibration				0	1	2	3	4			
		Latest/Research Level equipments – Availability and Utilization				0	1	2	3	4			
		Utilization of budget	KEC/DEPT/HOD/F01, KEC/DEPT/DBC/F01	HOD-06 DBC-01 to 05	20	0	1	2	3	4	40	File verified. But Budget utilization is less.	
		Department Library – Maintenance and utilization	KEC/DEPT/Lab	Records	20	0	1	2	3	4	80	File verified.	
		Computing Facilities - Maintenance and utilization	KEC/DEPT/Lab	Records	30	0	1	2	3	4	120	File verified	
		E-content development – Videos developed	KEC/DEPT/Lab	Records		0	1	2	3	4		120	
	5.	Placement details and training plan for Skill Development	KEC/DEPT/PC/F01	PC-01 to 04 ✓	30	0	1	2	3	4	105	Verified. More number of awareness programmes to be conducted.	
		Awareness programmes on Higher Education	KEC/DEPT/HEC/F01	HEC-01 to 03 ✓		0	1	2	3	4			
		Student participation and success in competitive examinations	KEC/DEPT/HEC/F01	HEC-04	40	0	1	2	3	4	93.33	* less participation of students in competitive exams	
		Percentage of students placed (Improvement over 3 years)	KEC/DEPT/PC/F01	PC-06,07		0	1	2	3	4		* Only one student placed * 100% Placement	

		Percentage of students joined higher education	KEC/DEPT/HEC/F01	HEC-05		0	1	(2)	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	8010	8011	8012	8013	8014	8015	8016	8017	8018	8019	8020	8021	8022	8023	8024	8025	8026	8027	8028	8029	8030	8031	8032	8033	8034	8035	8036	8037	8038	8039	8040	8041	8042	8043	8044	8045	8046	8047	8048	8049	8050	8051	8052	8053	8054	8055	8056	8057	8058	8059	8060	8061	8062	8063	8064	8065	8066	8067	8068	8069	8070	8071	8072	8073	8074	8075	8076	8077	8078	8079	8080	8081	8082	8083	8084	8085	8086	8087	8088	8089	8090	8091	8092	8093	8094	8095	8096	8097	8098	8099	80100	80101	80102	80103	80104	80105	80106	80107	80108	80109	80110	80111	80112	80113	80114	80115	80116	80117	80118	80119	80120	80121	80122	80123	80124	80125	80126	80127	80128	80129	80130	80131	80132	80133	80134	80135	80136	80137	80138	80139	80140	80141	80142	80143	80144	80145	80146	80147	80148	80149	80150	80151	80152	80153	80154	80155	80156	80157	80158	80159	80160	80161	80162	80163	80164	80165	80166	80167	80168	80169	80170	80171	80172	80173	80174	80175	80176	80177	80178	80179	80180	80181	80182	80183	80184	80185	80186	80187	80188	80189	80190	80191	80192	80193	80194	80195	80196	80197	80198	80199	80200	80201	80202	80203	80204	80205	80206	80207	80208	80209	80210	80211	80212	80213	80214	80215	80216	80217	80218	80219	80220	80221	80222	80223	80224	80225	80226	80227	80228	80229	80230	80231	80232	80233	80234	80235	80236	80237	80238	80239	80240	80241	80242	80243	80244	80245	80246	80247	80248	80249	80250	80251	80252	80253	80254	80255	80256	80257	80258	80259	80260	80261	80262	80263	80264	80265	80266	80267	80268	80269	80270	80271	80272	80273	80274	80275	80276	80277	80278	80279	80280	80281	80282	80283	80284	80285	80286	80287	80288	80289	80290	80291	80292	80293	80294	80295	80296	80297	80298	80299	80300	80301	80302	80303	80304	80305	80306	80307	80308	80309	80310	80311	80312	80313	80314	80315	80316	80317	80318	80319	80320	80321	80322	80323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S.No.	Criteria	Maximum Marks (1)	Weighted Average Marks (2)	Grade Point Average (2/1)	Major Remarks / Comments
1.	Curricular Aspects	150	577	3.85	Good.
2.	Teaching -Learning Process	300	1075	3.58	No Adjacent Professor. Reviewer comments should be added in project
3.	Research, Innovation and Extension	150	376.67	2.51	Funding / corporat training [lubrics]
4.	Infrastructure and Learning Resources	100	345	3.45	Budget utilization is less. Modern equipment.
5.	Student Support and Progression	100	318.33	3.18	Students less in competitive exams.
6.	Governance Leadership and Management	100	380	3.80	Utilization in Collaboration / COE to be established.
7.	Institutional Values and Best Practices	100	373.33	3.73	Good.
<b>Total</b>		1000	3445.2	3.44	

2. *(Signature) T6/11/2023 (Dr. S. TAMILARASI)*

1. *(Signature) 16/11/23 (Dr. C. Rangan)*

Signature of Auditors  
(with name and dept.)

Head of the Department  
(with seal)

*Seal D 17/11/23*

Head  
Dept. of Computer Technology - PG  
Kongu Engineering College  
Thoppuppalayam (Po)  
Perundurai , Erode - 638 060.

C. JAIWAL 17/11/2023  
Signature of Department Coordinators  
(with name)

[C. JAMUNADEVI]

**KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE-638060**  
**(Autonomous)**  
**INTERNAL QUALITY ASSURANCE CELL (IQAC)**  
**ACADEMIC AUDIT 2022-2023 - ANALYSIS REPORT**

Name of the Department: CT-PG

Date(s) of Audit: 09-11-2023

A. Strengths (Y)
Good Documentation
Good curriculum design and development process
Good student placement
B. Concerns (C)
Research funding to be strengthened
C. Weakness/Areas of improvement: (W)
More number of MOU's to be identified
D. Deficiencies: (D)
Budget and modern facility utilization to be improved

Type of Conformities	Details of non-conformities	Objective Evidence	Cause Analysis
Major	-		
Minor	<ol style="list-style-type: none"> <li>One faculty-one industry process to be initiated.</li> <li>Conference/workshop/FDP to be organized.</li> <li>Corporate training will be initiated.</li> </ol>	<p>Faculty visiting the industry Process initiated Communicated with the industry</p>	<p>IIPCOB is recorded in format. Data available separately. Motivated the faculty will be planned for next academic year Less Response from the company.</p>
Finding	<ol style="list-style-type: none"> <li>Research paper publication by faculty members to be improved as per quality plan.</li> <li>Industrial training for faculty members to be satisfied</li> <li>Student's project to paper conversion is less.</li> <li>Social responsibility/Professional/administrative training to be organized.</li> <li>Less number of MOU's.</li> </ol>	<p>Target fixed for each faculty Communicated with the industries. Process initiated Process initiated Companies need to be identified</p>	<p>Junior faculty are encouraged to publish quality papers Less Response from the companies. Papers are waiting in the pipeline for acceptance Awareness among students are created Faculty numbers are motivated.</p>

 ESTD : 1984	<b>KONGU ENGINEERING COLLEGE</b> (Autonomous) PERUNDURAI – 638060 INTERNAL QUALITY ASSURANCE CELL	 CERT NO.: 99-100-20788 ISO 9001 : 2015
<b>Action List including Opportunities for Improvement</b>		

Department: COMPUTER TECHNOLOGY - PG

Date: 17.02.2024

**Minor Nonconformities:**

S.No.	Process	Findings	Results of Root Cause Analysis	Intended Corrections and Corrective Actions	Responsibility	Due date
1.	Industrial Institute Interaction	One faculty – one industry process to be initiated.	Awareness created among each faculty members regarding MoU.	Faculty members are insisted to visit more companies.	All Faculty members	May 2024
2.	Research & Development	Conference/workshop/FDP to be organized.	Process initiated.	Will be planned for next academic year.	All Faculty members	May 2024
3.	Industrial Institute Interaction	Corporate training will be initiated.	There is less response from the industries.	Faculty members are asked to communicate with the industry.	All Faculty members	May 2024

**Finding:**

S.No.	Process	Findings	Action	Responsible	Date
1.	Research & Development	Research paper publication by faculty members to be improved as per quality plan.	Target fixed for each faculty members. Junior faculty members are encouraged to publish quality papers.	All Faculty members	May 2024
2.	Curricular Aspects	Industry training for faculty members to be satisfied.	Communicate with the industries.	All Faculty members	May 2024
3.	Teaching Learning Process	Student's project to paper conversion is less.	Among 53 R&D projects , 19 projects converted as paper and published. 34 projects are under progression.	Respective Faculty members	May 2024
4.	Industrial Institute Interaction	Social responsibility/professional/administrative training to be organized.	Process initiated.	All Faculty members	May 2024

S.No.	Process	Findings	Action	Responsible	Date
5.	Industrial Institute Interaction	Less number of MoU's	Awareness created among each faculty members regarding MoU.	All Faculty members	May 2024

**Observations (Opportunities for improvement)**

S.No.	Process	Findings	Action	Responsible	Date
1.	Research & Development	More number of research proposals to be submitted.	Target fixed for each faculty members. Junior faculty members are encouraged to publish quality papers.	All Faculty members	May 2024
2.	Supplementary Process	Student's participation in competitive examination is less.	Since students joined for five years integrated course they are not interested in competitive exams, Awareness and motivation given to the students.	Higher Education Cell coordinator.	May 2024
3.	Research & Development	Latest/research level equipment's availability to be improved.	Recent software are purchased.	Research Coordinator	May 2024
4.	Industrial Institute Interaction	More number if industrial Visit to be organized	Students are insisted to plan for industrial visit.	Industrial Visit Coordinator	May 2024
5.	Budget	Budget utilization to be improved.	Will be improved.	All Faculty members	May 2024

Signature of Auditor

1. Dr. C. Rangasami (19/1/24)  
2. Dr. T. Tamilarasi (19/1/24)

1. Dr.C.Rangasami, Professor, Department of Physics

2. Dr.T.Tamilarasi, Assistant Professor(Sr.G), Department of Mechatronics

Auditee Dept. Co-ordinator

C. JAI (19/1/24)  
[C. JAMUNADEVI]

Auditee Dept. HOD

Dr. T. Tamilarasi (19/1/24)



### Audit Evaluation Sheet for the Academic Year 2022-2023

Date of Audit : 08.11.2023

Auditors Name and Designation : DR. C. SHARMILA AP/CSE

Audited Department : S+H English

S.No.	Criteria (Max Mark)	Parameters	File Name	Formats	Max. Mark	Circle the score (0-Low score , 4- High score)					Weighted Average	Observations
1.	Curricular Aspects (150)	NA Curriculum Design and Development process	KEC/DEPT/CDC/F01	CDC-01,02	40	0	1	2	3	4	80	BOS Minutes CDC-09- Not in IQAC format CDC-4,5,6,10 (not available)
		Curriculum and syllabus – Planning and Implementation		CDC-03,04, 06		0	1	2	3	4		
		Dissemination of regulation, curriculum & Syllabus		CDC-05, 10		0	1	2	3	4		
		Minutes of BOS Meeting		CDC-08, 09		0	1	2	3	4		
		Revision in Elective courses		CDC-11		0	1	2	3	4		
		NA Value Added Courses – Organized and Participation of students	KEC/DEPT/NVA C/F01	NVC-01 to 06	30	0	1	2	3	4	0	VAC - NIL
		Student involvement in field projects/internships		PC-05		0	1	2	3	4		
		Feedback System on Curriculum - Alumni, Course End Survey, Employer, Faculty, Graduate Exit Survey, Parent	KEC/DEPT/CDC/F01	CDC-07A, 07C,07E, 07F, 07G, 07P	40	0	1	2	3	4	80	Feedback available for only faculty
		Mapping of Course Outcomes and Programme Outcomes	KEC/DEPT/CDC/F01	CDC-03,04, 06	40	0	1	2	3	4	147	TTI-01 - File Header Missing
		Allotting courses to faculty based on expertise	KEC/DEPT/TTI/F01	TTI-01,02,ACO-02		0	1	2	3	4		
		Allotment of adequate number of hours in time table for theory/practical/project		TTI-03 to 06, HOD-07		0	1	2	3	4		

2. Teaching -Learning Process (300)	NA	Student Enrolment & Improvement in Student Quality	KEC/DEPT/HOD/F01	HOD-03	20	0	1	2	3	4	30	TCO-02 Seating arrangement format is not in IQAC format.	
						0	1	2	3	4			
		Student Teacher Ratio, Cadre Ratio & Adjunct Faculty		HOD-04		0	1	2	3	4			
		Structured Course Plan	KEC/DEPT/CCT/	CCO-01		0	1	2	3	4			
		Course Coordination Meeting		CCO-02		0	1	2	3	4			
		Course Delivery Methods – Use of ICT tools		Course File		0	1	2	3	4			
		Continuous Assessment (CA) Test Question Paper standards		KEC/DEPT/CCT/	TCO-05	0	1	2	3	4			
		Conduct of Continuous Assessment Tests		KEC/DEPT/TCO/F01	TCO-01 to 04, 06,07	0	1	2	3	4			
		Remedial Measures for Slow Learners		KEC/DEPT/CCT/	Course File	0	1	2	3	4			
		Adequate number of Assignments and Tutorials		KEC/DEPT/CCT/	Course File	0	1	2	3	4			
		Laboratory Plan	KEC/DEPT/CCL/	LT-01,LT09	0	1	2	3	4				
		Quality of Laboratory Manual		Course File	0	1	2	3	4				
		Project Work Review Schedule	KEC/DEPT/CCP/	PR-01,02 (Project file)	50	0	1	2	3	4	200		
		Evaluation of CA Test papers	KEC/DEPT/CCT/	Course File		0	1	2	3	4			
		Evaluation of Assignments/Tutorials		Course File		0	1	2	3	4			
		Evaluating experiments – Rubrics/Periodically	KEC/DEPT/CCL/	Lab Manual		0	1	2	3	4			
		Evaluation of Projects through Review – Rubrics followed	KEC/DEPT/CCP/	Project file		0	1	2	3	4			
		Continuous Assessment Test – Analysis	KEC/DEPT/CLA/F01	CLA03XL-1 CLA04XL-2	80	0	1	2	3	4	240	CLA03XL-1+2 not in IQAC format ERF format - shown	
		End Semester Result Analysis		CLA04XL1,2		0	1	2	3	4			
		Course Outcomes and Programme Outcomes Analysis – Direct & Indirect Assessments & Action Taken	KEC/DEPT/POM/F01	POM-01 to 05		0	1	2	3	4			
		Quality of Project Reports	KEC/DEPT/CCP/	Sample reports		0	1	2	3	4			
	NA	PAC and QIC formulation and Meeting minutes	KEC/DEPT/HOD/F01	HOD-09 to 12		0	1	2	3	4			

		Student Feedback on Course and Teacher	KEC/DEPT/IQI/F01	Feedback form and Action Taken	50	0	1	2	(3)	4	150	course feedback not available.
		Course Monitoring Committee Meeting		CMC-01 to 04		0	1	2	(3)	4		
3. Research, Innovation and Extension (150)  NA	NA	Seed money Proposals (student funding through IIC may be consider)	KEC/DEPT/RC/F01	Proof	20	(0)	1	2	3	4	13.33	seed money proposal Research Grant NOT available RC01 - NIL
		Submission of Project Proposals		RC-01		0	1	(2)	3	4		
		Research Grants received		Proof		(0)	1	2	3	4		
		Conference / seminar / workshop/FDP/STTP proposals submitted		RC-01	20	(0)	1	2	3	4		proposal count can be increased
		Conference / seminar / workshop/FDP/SSTPorganized		Proof		(0)	1	2	3	4		
		Promotion of Start-ups	KEC/DEPT/HEC/F01	EMC-01 to 05	10	0	1	2	3	4	-	
		Paper presentation by students	KEC/DEPT/RC/F01	Proof and consolidate list (SAP-XL)	50	0	1	2	(3)	4	80	SAP 02, 03 not available RC - 04 - Patent NIL
		Conversion of student projects into paper		RC-03		0	1	2	3	4		
		Quality Publications by faculty		RC-02		0	1	2	(3)	4		
		Books/Book chapters/Conference proceedings		RC-04		0	1	(2)	3	4		
		Patents filed/published/granted		RC-04		(0)	1	2	3	4		
		Awards for Innovation won by Teachers/Research scholars/ Clubs	KEC/DEPT/FST/F01	ASA-05		(0)	1	2	3	4		
		Faculty as Resource persons		Proof	20	0	1	2	(3)	4	47	IIPC-01, 03 - NIL
		Professional development/administrative training programmes organized details		FST-07		0	1	(2)	3	4		
		Industrial Consultancy/Testing Works	KEC/DEPT/IIPC/F01	IIPC-01,02,03	20	0	1	(2)	3	4	47	IIPC-04
		Corporate Training (IIPC/Other Grants)		IIPC-04		0	1	(2)	3	4		

		Association activities / Clubs/Professional Societies	KEC/DEPT/ASA/F01	ASA-01 to 04	20	0	1	2	3	4	40	ASP - Not in IQAC format . IIPC-05-NIL	
		In plant Training/Internship	KEC/DEPT/IIPC/F01	IIPC-01 to 04,PC-05		0	1	2	3	4			
		MoUs signed and activities	KEC/DEPT/IIPC/F01	IIPC-05		0	1	2	3	4			
		Industrial visits arranged for students	KEC/DEPT/IIPC/F01	IV-01 to IV-03		0	1	2	3	4			
	4.	One Faculty- One Industry Progress	KEC/DEPT/RC/F01	IIPC-06	10	0	1	2	3	4	20		
		Faculty interaction with industries and monitoring	KEC/DEPT/IIPC/F01	IIPC-01,07,08		0	1	2	3	4			
	4.	Physical facilities – Classrooms, Faculty cabin, seminar hall, Projectors, Printers, etc.	KEC/DEPT/FMM/01	FMM-01 to 04	30	0	1	2	3	4	83		
		Laboratory Maintenance Records/Registers	KEC/DEPT/Lab	LT-02 to 08		0	1	2	3	4			
		Equipment working conditions/Calibration				0	1	2	3	4			
		Latest/Research Level equipments – Availability and Utilization				0	1	2	3	4			
		Utilization of budget	KEC/DEPT/HOD/F01, KEC/DEPT/DBC/F01	HOD-06 DBC-01 to 05	20	0	1	2	3	4	60	Proof from office Can be kept in file	
		Department Library – Maintenance and utilization	KEC/DEPT/Lab	Records	20	0	1	2	3	4	40		
		Computing Facilities - Maintenance and utilization	KEC/DEPT/Lab	Records	30	0	1	2	3	4	90	E-content soft copy shown	
		E-content development – Videos developed	KEC/DEPT/Lab	Records		0	1	2	3	4			
	5.	Placement details and training plan for Skill Development	KEC/DEPT/PC/F01	PC-01 to 04	30	0	1	2	3	4	-		
		Awareness programmes on Higher Education	KEC/DEPT/HEC/F01	HEC-01 to 03		0	1	2	3	4			
		Student participation and success in competitive examinations	KEC/DEPT/HEC/F01	HEC-04	40	0	1	2	3	4	-		
		Percentage of students placed (Improvement over 3 years)	KEC/DEPT/PC/F01	PC-06,07		0	1	2	3	4			

	NA	Percentage of students joined higher education	KEC/DEPT/HEC/F01	HEC-05		0	1	2	3	4	-	
		Student's participation in Co/Extra-curricular activities (Cultural, Sports, etc.)	KEC/DEPT/SAP/F01	SAP-01 to 04, SAP-XL	20	0	1	2	3	4	60	
		Student achievements and awards		Proof								
	NA	Alumni Visits, Meetings and Guest Lectures	KEC/DEPT/ALC/F01	ALC-01 to 05	10	0	1	2	3	4	-	
6.	Governance, Leadership and Management (100)	SWOT Analysis – Review Meeting	KEC/DEPT/HOD/F01	HOD-02	20	0	1	2	3	4	80	
		Academic Audit –Action Taken	KEC/DEPT/IQAC/F01	IQI-01, 02,04, QP-00		0	1	2	3	4		
		Strategic Development – Centre of Excellence, Collaboration with Foreign Universities, New Courses	KEC/DEPT/HOD/F01	HOD-02	20	0	1	2	3	4	60	
		Faculty Training – FDP/NPTEL/Industry	KEC/DEPT/FST/F01	FST-01,03, 04	20	0	1	2	3	4	70	Sign missing
		Faculty Qualification Improvement & Retention		R& D Quarterly Report		0	1	2	3	4		
		Skill up-gradation training for Supporting Staff	KEC/DEPT/FST/F01	FST-02	20	0	1	2	3	4	60	
		Day to Day Activities and Parents-Teachers Meeting	KEC/DEPT/PRM/F01	PRO-01 to 04	20	0	1	2	3	4	80	
7.	Institutional Values and Best Practices (100)	Department Best Practices	File	Proof	30	0	1	2	3	4	120	
		Contribution towards Institutional Values and Social Responsibilities	File	Proof	50	0	1	2	3	4		
		Contribution towards Special programmes	File	Proof		0	1	2	3	4	33.33	
		Human values and Professional Ethics related activities	File	Proof		0	1	2	3	4		
		Contribution towards Institutional Distinctiveness	File	Proof	20	0	1	2	3	4	40	
		Practices for Student Self learning	File	Proof		0	1	2	3	4		

S.No.	Criteria	Maximum Marks (1)	Weighted Average Marks (2)	Grade Point Average (2/1)	Major Remarks / Comments
1.	Curricular Aspects	150	307	2.04	
2.	Teaching –Learning Process	300	964	3.21	
3.	Research, Innovation and Extension	150	140	200.33	1.43
4.	Infrastructure and Learning Resources	100	273	2.73	
5.	Student Support and Progression	100	20	60	3
6.	Governance Leadership and Management	100	350	3.5	
7.	Institutional Values and Best Practices	100	193.33	1.9	
	Total	1000	910	2347.66	2.57

1. *[Signature]* 15/11/23 (Dr. Savanya Devi P)

2. *[Signature]* 15/11/23 (Dr. R. Ramya Selvi)

Signature of Department Coordinators  
(with name)

*Sharnila C*  
Signature of Auditors  
(with name and dept.)  
*(SHARNILA C)  
AP/CSE*

*J. Rajini*  
17/11/23  
Head of the Department  
(with seal)  
**Dr. J. RAJINI**  
**Associate Professor & Head**  
**Dept. of English**  
**Kongu Engineering College**  
**Thoppuppalayam (Po)**  
**Perundurai, Erode - 638 060.**

**KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE-638060**

(Autonomous)

**INTERNAL QUALITY ASSURANCE CELL (IQAC)**

**ACADEMIC AUDIT 2022-2023 - ANALYSIS REPORT**

**Name of the Department:** S & H English

**Date(s) of Audit:** 08. 11. 2023

A. Strengths (Y)	1. Activity Based Learning 2. IELTS initiation
B. Concerns (C)	Research grant count can be improved and publication
C. Weakness/Areas of improvement: (W)	Research and Development
D. Deficiencies: (D)	* Value Added Course is NIL * Seminar/ Conference Proposal sent is NIL * Skill upgradation training for supporting staff is NIL

Type of Conformities	Details of non-conformities	Objective Evidence	Cause Analysis
Major	1. Value Added Courses 2. Conference/Seminar proposal 3. Skill upgradation training for supporting staff	File	Priority will be given for this in future
Minor	1. R&D proposal 2. Consultancy	File	Limited Scope
Finding	1. R&D contribution is less 2. Conference/Seminar/FDP 3. can be organised	File	Limited Scope
Observation	1. ASA and few test related files (that are mentioned in the evaluation sheet) are NOT in IQAC format.	File	IQAC format will be followed in the future. Not Applicable to the dept.

**Auditors**  
Name and Signature  
(SHARMILA)

1. Dr. S. Banu (Dr. S. Banu)  
2. Dr. D. Jayalakshmi (Dr. D. Jayalakshmi)  
**IQAC Coordinator**  
Name and Signature

J. Rajesh  
**HOD** 17/11/23



Action List including Opportunities for Improvement



Date: 28.02.2024

Department: English

Nonconformities

S.No.	Process	Findings	Results of Root Cause Analysis	Intended Corrections and Corrective Actions	Responsible Person	Due date
1.	Curricular Aspect	Value Added Course	Limited Opportunity	Priority will be given in the future for conducting VAC	All faculty	Next Semester
2.	Research Innovation and Extension	Conferences/ Seminars/ Workshop/ FDP/STTP organized and Proposal Submitted	Limited Opportunity for proposals	Priority will be given in the future for conducting more programmes of this type	All faculty	Next Semester
3.	Governance, Leadership and Management	Skill Upgradation training for supporting staff	Limited scope for training programmes	Training programmes will be identified and count will be improved	Non-teaching faculty	Next Semester

Observations (Opportunities for improvement)

S.No.	Process	Findings	Action	Responsible	Date
1.	Research Innovation and Extension	Patent filed/ published /granted Awards for Innovation won by teachers – not done	Opportunities will be identified and improvements will be made	All faculty	Next Semester
2.	Research Innovation and Extension	ASA and few test related files are not in IQAC format	IQAC format will be followed in the future	Faculty concerned	This semester

Signature of Auditor  
Dr. C. SHARMINI (AP/CSE)

1. Dr. Saranya Devi P.  
2. Dr. R. Ramya P.  
Auditee Dept. Coordinator

J. Rajini  
28/2/24  
Auditee Dept. HOD



Estd : 1984

KONGU ENGINEERING COLLEGE  
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PERUNDURAI ERODE - 638 060

Internal Quality Assurance Cell (IQAC)

Academic Audit  
Revision -2  
01-01-2023.

### Audit Evaluation Sheet for the Academic Year 2022-2023

Date of Audit : 9.11.23

Auditors Name and Designation : Dr. P. NIRMALA DEVI  
Professor IECE

Audited Department : MATHS

S.No	Criteria (Max Mark)	Parameters	File Name	Formats	Max. Mark	Circle the score (0-Low score , 4- High score)					Weighted Average	Observations
1.	Curricular Aspects (150)	Curriculum Design and Development process	KEC/DEPT/CDC/ F01	CDC-01,02 ✗	40	0	1	2	3	4	120	Internal BOS - no separate meeting - Stakeholder's FB from google response verified 22VC001 -
		Curriculum and syllabus – Planning and Implementation		CDC-03,04, 06 ✗		0	1	2	3	4		
		Dissemination of regulation, curriculum & Syllabus		CDC-05, 10 ✗		0	1	2	3	4		
		Minutes of BOS Meeting		CDC-08, 09 ✓		0	1	2	3	4		
		Revision in Elective courses		CDC-11 ✗		0	1	2	3	4		
		Value Added Courses – Organized and Participation of students	KEC/DEPT/NVA C/F01	NVC-01 to 06 NVA	30	0	1	2	3	4	07	22VC001 - Verified closed loop FB table complete .
		Student involvement in field projects/internships		PC-05 ✗		0	1	2	3	4		
		Feedback System on Curriculum - Alumni, Course End Survey, Employer, Faculty, Graduate Exit Survey, Parent	KEC/DEPT/CDC/ F01	CDC-07A, 07C, 07E, 07F, 07G, 07P ✗	40	0	1	2	3	4	80	FIB from faculty only. Sample NA
		Mapping of Course Outcomes and Programme Outcomes	KEC/DEPT/CDC/ F01	CDC-03,04, 06 ✓	40	0	1	2	3	4	120	CO-PO - Mapping :- * 22MAT34, 22EAEII - CO's & mapping need definition TT05 & TT06 not in format TT01 & TT02 Not applicable HOD01 - Verified .
		Allotting courses to faculty based on expertise	KEC/DEPT/TTI/F 01	TTI- 01,02,ACO-02 ✓		0	1	2	3	4		
		Allotment of adequate number of hours in time table for theory/practical/project		TTI-03 to 06, HOD-07		0	1	2	3	4		

2. Teaching - Learning Process (300)	Student Enrolment & Improvement in Student Quality	KEC/DEPT/HOD/F01	HOD-03 ✓	20	0	1	2	3	4	<p>22MAC11 - checked          * NO usage of ICT tool          Test-C record : 22-23-07/0          TCO2-06 - formats reqd.          TCO4 - sign.</p> <p>* In closed loop action for remedial.          * 22MAT33 - Tutorials not same for all faculty.          * 22MAC21 - LT09 Verif. manual verified.</p> <p>20MAT33 - Answer key has no subcl. marks          20ALT41 - Tutorial Evaluat. verified,          22MAC22 - Rubrics Verif.</p> <p>22MAC11 - CAT1 1-63-411. (Civil) CAT2 1-561-1. End sem 1-51. Coaching class → prob. verified.</p> <p>* CB-PO Attachment for mid + full + odd sem available. To be completed for even sem.          QIC - NOT maintained</p>
	Student Teacher Ratio, Cadre Ratio & Adjunct Faculty		HOD-04 ✗		0	1	2	3	4	
	Structured Course Plan	KEC/DEPT/CCT/	CCO-01 ✓	100	0	1	2	3	4	
	Course Coordination Meeting		CCO-02 ✓		0	1	2	(3)	4	
	Course Delivery Methods – Use of ICT tools		Course File		0	1	2	3	4	
	Continuous Assessment (CA) Test Question Paper standards	KEC/DEPT/CCT/	TCO-05 ✓	311.11	0	1	2	3	4	
	Conduct of Continuous Assessment Tests	KEC/DEPT/TCO/F01	TCO-01 to 04, 06,07		0	1	2	(3)	4	
	Remedial Measures for Slow Learners	KEC/DEPT/CCT/	Course File ✓		0	1	2	(3)	4	
	Adequate number of Assignments and Tutorials	KEC/DEPT/CCT/	Course File ✓		0	1	2	(3)	4	
	Laboratory Plan	KEC/DEPT/CCL/	LT-01,LT09		0	1	2	3	4	
	Quality of Laboratory Manual		Course File ✓		0	1	2	3	4	
	Project Work Review Schedule	KEC/DEPT/CCP/	PR-01,02 (Project file) ✗		0	1	2	3	4	
	Evaluation of CA Test papers	KEC/DEPT/CCT/	Course File ✓		0	1	2	(3)	4	
	Evaluation of Assignments/Tutorials		Course File ✓		0	1	2	3	4	
	Evaluating experiments – Rubrics/Periodically	KEC/DEPT/CCL/	Lab Manual	166.67	0	1	2	(3)	4	
	Evaluation of Projects through Review – Rubrics followed	KEC/DEPT/CCP/	Project file ✗		0	1	2	3	4	
	Continuous Assessment Test – Analysis	KEC/DEPT/CLA/F01	CLA03XL-1 CLA04XL-2		0	1	2	3	4	
	End Semester Result Analysis		CLA04XL1,2		0	1	2	3	4	
	Course Outcomes and Programme Outcomes Analysis – Direct & Indirect Assessments & Action Taken	KEC/DEPT/POM/F01	POM-01 to 05	180	0	(1)	2	3	4	
	Quality of Project Reports	KEC/DEPT/CCP/ ✗	Sample reports		0	1	2	3	4	
	PAC and QIC formulation and Meeting minutes	KEC/DEPT/HOD/F01	HOD-09 to 12		0	1	2	3	4	

		Student Feedback on Course and Teacher	KEC/DEPT/IQI/F01	Feedback form and Action Taken ✓	50	0	1	2	3	4	150	* Verified for odd & even sem. closed loop * Action taken reqd. for cme - cmc01 to 4 NA
		Course Monitoring Committee Meeting		CMC-01 to 04 ✓		0	1	2	3	4		
3. Research, Innovation and Extension (150)	KEC/DEPT/RC/F01	Seed money Proposals (student funding through IIC may be consider)	Proof	0	20	0	1	2	3	4	20	4 - submitted. NO grant
		Submission of Project Proposals		RC-01	0	1	2	3	4			
		Research Grants received		Proof	0	1	2	3	4			
		Conference / seminar / workshop/FDP/STTP proposals submitted		RC-01	0	1	2	3	4			
		Conference / seminar / workshop/FDP/SSTP organized		Proof	0	1	2	3	4	8 - submitted no prog organized		
		Promotion of Start-ups	KEC/DEPT/HEC/F01	EMC-01 to 05	10	0	1	2	3	4	-	
		Paper presentation by students	KEC/DEPT/SAP/F01	Proof and consolidate list (SAP-XL)	50	0	1	2	3	4	37.5	Sci - 4 Suprs - 8 BC - 1 ; conf : 3
		Conversion of student projects into paper	RC-03	RC-03		0	1	2	3	4		
		Quality Publications by faculty	RC-02	RC-02		0	1	2	3	4		
		Books/Book chapters/Conference proceedings	RC-04	RC-04		0	1	2	3	4		
		Patents filed/published/granted	RC-04	RC-04		0	1	2	3	4		
		Awards for Innovation won by Teachers/Research scholars/ Clubs	ASA-05	ASA-05		0	1	2	3	4		
	KEC/DEPT/FST/F01	Faculty as Resource persons	Proof	Proof	20	0	1	2	3	4	113.33	4 - Guest lectures conducted
		Professional development/ administrative training programmes organized details	FST-07	FST-07		0	1	2	3	4		10,000/- 1 consultancy IIPC-01, 03 - NA → NIL report generated
		Industrial Consultancy/Testing Works	IIPC-01,02,03	IIPC-01,02,03		0	1	2	3	4		
	KEC/DEPT/IIPC/F01	Corporate Training (IIPC/Other Grants)	IIPC-04	IIPC-04		0	1	2	3	4		

		Association activities / Clubs/Professional Societies	KEC/DEPT/ASA/F01	ASA-01 to 04	20	0	1	2	3	4	60	Maths club:- 12 events formats to be checked. ↳ formats kept as per constitution for clubs.	
		In plant Training/Internship	KEC/DEPT/IPC/F01	IPC-01 to 04,PC-05		0	1	2	3	4			
		MoUs signed and activities	KEC/DEPT/IIPC/F01	IIPC-05		0	1	2	3	4			
		Industrial visits arranged for students	KEC/DEPT/IPC/F01	IV-01 to IV-03		0	1	2	3	4			
		One Faculty- One Industry Progress	KEC/DEPT/RC/F01	IIPC-06	10	0	1	2	3	4	-		
		Faculty interaction with industries and monitoring	KEC/DEPT/IIPC/F01	IIPC-01,07,08		0	1	2	3	4			
4.	Infrastructure and Learning Resources (100)	Physical facilities – Classrooms, Faculty cabin, seminar hall, Projectors, Printers, etc.	KEC/DEPT/FMM/01	FMM-01 to 04	30	0	1	2	3	4	80	Verified . CC-04 :- Verified LT-05 - Verified.	
		Laboratory Maintenance Records/Registers	KEC/DEPT/Lab	LT-02 to 08		0	1	2	3	4			
		Equipment working conditions/Calibration				0	1	2	3	4			
		Latest/Research Level equipments – Availability and Utilization				0	1	2	3	4			
		Utilization of budget	KEC/DEPT/HOD/F01, KEC/DEPT/DBC/F01	HOD-06 DBC-01 to 05	20	0	1	2	3	4	40	HOD-06 + DBC-03 - Verified.	
		Department Library – Maintenance and utilization	KEC/DEPT/Lab	Records	20	0	1	2	3	4	60	Verified	
		Computing Facilities - Maintenance and utilization	KEC/DEPT/Lab	Records	30	0	1	2	3	4	45	NW	
		E-content development – Videos developed	KEC/DEPT/Lab	Records		0	1	2	3	4			
5.	Student Support and Progression (100)	Placement details and training plan for Skill Development	KEC/DEPT/PC/F01	PC-01 to 04	30	0	1	2	3	4	-	-	
		Awareness programmes on Higher Education	KEC/DEPT/HEC/F01	HEC-01 to 03		0	1	2	3	4			
		Student participation and success in competitive examinations	KEC/DEPT/HEC/F01	HEC-04	40	0	1	2	3	4	-		
		Percentage of students placed (Improvement over 3 years)	KEC/DEPT/PC/F01	PC-06,07		0	1	2	3	4			

		Percentage of students joined higher education	KEC/DEPT/HEC/F01	HEC-05		0	1	2	3	4		
		Student's participation in Co/Extra-curricular activities (Cultural, Sports, etc.) ✕	KEC/DEPT/SAP/F01	SAP-01 to 04, SAP-XL	20	0	1	2	3	4	-	
		Student achievements and awards ✕		Proof								
		Alumni Visits, Meetings and Guest Lectures ✕	KEC/DEPT/ALC/F01	ALC-01 to 05	10	0	1	2	3	4	-	
6.	Governance, Leadership and Management (100)	SWOT Analysis – Review Meeting	KEC/DEPT/HOD/F01	HOD-02	20	0	1	2	3	4	50	closed loop Action taken well
		Academic Audit –Action Taken	KEC/DEPT/IQAC/F01	IQI-01, 02,04, QP-00		0	1	2	3	4		SAP Block forachity to be concerned
		Strategic Development – Centre of Excellence, Collaboration with Foreign Universities, New Courses	KEC/DEPT/HOD/F01	HOD-02	20	0	1	2	3	4	0	
		Faculty Training – FDP/NPTEL/Industry	KEC/DEPT/FST/F01	FST-01,03, 04 ✓	20	0	1	2	3	4	70	no of teaching - 40 2 PhD's. Retention - 100%.
		Faculty Qualification Improvement & Retention		R& D Quarterly Report		0	1	2	3	4		
		Skill up-gradation training for Supporting Staff	KEC/DEPT/FST/F01	FST-02	20	0	1	2	3	4	20	Attended centraally - no proof
		Day to Day Activities and Parents-Teachers Meeting	KEC/DEPT/PRM/F01	PRO-01 to 04	20	0	1	2	3	4	80	Closed loop action to be completed
7.	Institutional Values and Best Practices (100)	Department Best Practices	File	Proof	30	0	1	2	3	4	0	To be initiated.
		Contribution towards Institutional Values and Social Responsibilities	File	Proof	50	0	1	2	3	4	83.33	To be initiated
		Contribution towards Special programmes	File	Proof		0	1	2	3	4		
		Human values and Professional Ethics related activities	File	Proof		0	1	2	3	4		
		Contribution towards Institutional Distinctiveness	File	Proof	20	0	1	2	3	4	20	Maths club
		Practices for Student Self learning	File	Proof		0	1	2	3	4		To be initiated.

S.No.	Criteria	Maximum Marks (1)	Weighted Average Marks (2)	Grade Point Average (2/1)	Major Remarks / Comments
1.	Curricular Aspects	150	320	2.13	Separate BOS meeting to be conducted PP mapping & attachment process needs improvement
2.	Teaching –Learning Process	300	927.78	3.09	ICT tool usage to be improved, closed loop action required.
3.	Research, Innovation and Extension	150	150.83	1.00	Need to improve proposal submission and publication.
4.	Infrastructure and Learning Resources	100	225	2.25	e-content development needs improvement
5.	Student Support and Progression	100	-	-	-
6.	Governance Leadership and Management	100	220	2.20	Efforts required towards strategic development
7.	Institutional Values and Best Practices	100	103.33	1.03	Initiatives for best practices reqd.
Total		1000 (917)	14.83	1.95	

S. S/14/11/23 (Dr. S. SATHYA)

J. Ravinder (Dr. J. Ravinder)  
14/11/23

Signature of Department Coordinators  
(with name)

P. Nirmala Devi  
14/11/23

Signature of Auditors  
(with name and dept.)

Dr. P. NIRMALA DEVI  
ECE

R. Viswanathan  
14/11/23

Head of the Department  
(with seal)  
**DR. R. VISWANATHAN, M.Sc., M.Phil., Ph.D**  
**PROFESSOR AND HEAD**  
**DEPARTMENT OF MATHEMATICS**  
**SCHOOL OF SCIENCE AND HUMANITIES**  
**KONGU ENGINEERING COLLEGE**  
**PERUNDURAI, EPODE - 638 052.**

KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE-638060

(Autonomous)

INTERNAL QUALITY ASSURANCE CELL (IQAC)

ACADEMIC AUDIT 2022-2023 - ANALYSIS REPORT

Name of the Department: MATHEMATICS

Date(s) of Audit: 9.11.23

A. Strengths (Y)	SFE and faculty retention good.
B. Concerns (C)	Closed loop action of all feedbacks to be monitored for its improvement
C. Weakness/Areas of improvement: (W)	- Publication - TLP based on OBE. - Consultancy
D. Deficiencies: (D)	- R&D projects

Type of Conformities	Details of non-conformities	Objective Evidence	Cause Analysis
Major	1. 2. 3. . . .	—	—
Minor	1. BIC to be framed 2. 3. . .	No evidence.	2023-2024
Finding	1. Closed loop action for improvement is not monitored. 2. Common QPs for tutorial and evaluation need.	→ All parameter documents [CA, TLP, CMC, SWOT]	Loop closed and verified
Observation	1. Separate BDS-Internal meeting to be conducted 2. Co-PO mapping needs improvement & also PO attachment.	→ Dept. meeting minutes copy shown → Verified P2020 syllabus	Next Academic Year onwards Awareness on DBE required

P. Nirmala Devi  
17/11/23

Auditors

Name and Signature

Dr. P. NIRMALA DEVI

S. M. 11/11/23 J. Revathi  
17/11/23

IQAC Coordinator

Name and Signature

Dr. S. SATHYA  
Dr. J. REVATHI

R.W. 17/11/23  
HOD



KONGU ENGINEERING COLLEGE  
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PERUNDURAI – 638060  
INTERNAL QUALITY ASSURANCE CELL

### Action List including Opportunities for Improvement



Department: Mathematics

Date: 20.02.2024

#### Nonconformities

S.No.	Process	Findings	Results of Root Cause Analysis	Intended Corrections and Corrective Actions	Responsible Person	Due date
		NIL				

#### Observations (Opportunities for improvement)

S.No.	Process	Findings	Action	Responsible	Date
1.	Teaching Learning Process	QIC not monitored continuously	QIC updated for this year and will be monitored continuously	HOD	-
2.	Curricular Aspects	Separate BOS Internal meeting to be conducted	Separate BOS Internal meeting will be conducted	BOS Coordinator	May 2024
3.	Teaching Learning Process	CO-PO mapping needs improvement also PO attainment	Necessary improvements will be done based on instructions given by IQAC	All faculty	May 2024

P. Nirmala Devi  
20.02.2024

Signature of Auditor

(Name with Designation & Dept.)

Do. P. NIRMALA DEVI  
Prof. I ECE

S. BY 20/2/24

Auditee Dept. Coordinator

Dr. S. SATHYA  
AP(ST-A)

R. M.  
20/2/24

Auditee Dept. HOD



## Audit Evaluation Sheet for the Academic Year 2022-2023

Auditors Name and Designation : Dr. T. Abirami, Associate Professor

Date of Audit : 08-11-2023

Audited Department : Physics

S.No	Criteria (Max Mark)	Parameters	File Name	Formats	Max. Mark	Circle the score (0-Low score, 4- High score)					Weighted Average	Observations
1.	Curricular Aspects (150)	Curriculum Design and Development process	KEC/DEPT/CDC/ F01	CDC-01,02	40	0	1	2	3	4	160	— — — BOS file revised —
		Curriculum and syllabus – Planning and Implementation		CDC-03,04, 06		0	1	2	3	4		
		Dissemination of regulation, curriculum & Syllabus		CDC-05, 10		0	1	2	3	4		
		Minutes of BOS Meeting		CDC-08, 09		0	1	2	3	4		
		Revision in Elective courses		CDC-11		0	1	2	3	4		
		Value Added Courses – Organized and Participation of students	KEC/DEPT/NVA C/F01	NVC-01 to 06	30	0	1	2	3	4	- 0 -	NIL Value added come need to be improved.
		Student involvement in field projects/internships	KEC/DEPT/PC/F01	PC-05		0	1	2	3	4		
		Feedback System on Curriculum - Alumni, Course End Survey, Employer, Faculty, Graduate Exit Survey, Parent	KEC/DEPT/CDC/ F01	CDC-07A, 07C, 07E, 07F, 07G, 07P	40	0	1	2	3	4	160	All survey revised.
		Mapping of Course Outcomes and Programme Outcomes	KEC/DEPT/CDC/ F01	CDC-03,04, 06	40	0	1	2	3	4	160	Mapping Variab- 22 PHT12 Individual faculty TT is not avaiable revised in Clean TT
		Allotting courses to faculty based on expertise	KEC/DEPT/TTI/F 01	TTI- 01,02,ACO-02		0	1	2	3	4		
		Allotment of adequate number of hours in time table for theory/practical/project		TTI-03 to 06, HOD-07		0	1	2	3	4		

2. Teaching - Learning Process (300)	<p>Student Enrolment &amp; Improvement in Student Quality</p> <p>Student Teacher Ratio, Cadre Ratio &amp; Adjunct Faculty</p> <p>Structured Course Plan</p> <p>Course Coordination Meeting</p> <p>Course Delivery Methods – Use of ICT tools</p> <p>Continuous Assessment (CA) Test Question Paper standards</p> <p>Conduct of Continuous Assessment Tests</p> <p>Remedial Measures for Slow Learners</p> <p>Adequate number of Assignments and Tutorials</p> <p>Laboratory Plan</p> <p>Quality of Laboratory Manual</p> <p>Project Work Review Schedule</p> <p>Evaluation of CA Test papers</p> <p>Evaluation of Assignments/Tutorials</p> <p>Evaluating experiments – Rubrics/Periodically</p> <p>Evaluation of Projects through Review – Rubrics followed</p> <p>Continuous Assessment Test – Analysis</p> <p>End Semester Result Analysis</p> <p>Course Outcomes and Programme Outcomes Analysis – Direct &amp; Indirect Assessments &amp; Action Taken</p> <p>Quality of Project Reports</p> <p>PAC and QIC formulation and Meeting minutes</p>	<p>KEC/DEPT/HOD/F01</p> <p>HOD-03</p> <p>HOD-04</p> <p>CCO-01</p> <p>CCO-02</p> <p>Course File</p> <p>KEC/DEPT/CCT/</p> <p>TCO-05</p> <p>KEC/DEPT/TCO/F01</p> <p>TCO-01 to 04, 06,07</p> <p>KEC/DEPT/CCT/</p> <p>Course File</p> <p>KEC/DEPT/CCT/</p> <p>Course File</p> <p>LT-01,LT09</p> <p>KEC/DEPT/CCL/</p> <p>Course File</p> <p>KEC/DEPT/CCP/</p> <p>PR-01,02 (Project file)</p> <p>KEC/DEPT/CCT/</p> <p>Course File</p> <p>KEC/DEPT/CCT/</p> <p>Course File</p> <p>KEC/DEPT/CCL/</p> <p>Lab Manual</p> <p>KEC/DEPT/CCP/</p> <p>Project file</p> <p>KEC/DEPT/CLA/F01</p> <p>CLA03XL-1 CLA04XL-2</p> <p>CLA04XL1,2</p> <p>KEC/DEPT/POM/F01</p> <p>POM-01 to 05</p> <p>KEC/DEPT/CCP/</p> <p>Sample reports</p> <p>KEC/DEPT/HOD/F01</p> <p>HOD-09 to 12</p>	<p>20</p> <p>100</p> <p>50</p> <p>80</p>	0	1	2	3	4	<p>30</p> <p>377</p> <p>200</p> <p>266.6</p>	<p>→ No Adjunct faculty</p> <p>✓ Ruled 22PHL12 ✓ Ruled</p> <p>some mistakes in Samples files.</p> <p>✓ Ruled.</p> <p>Faculty members take remedial classes, but no assignments (or tests) are given (measures)</p> <p>22PHL24 ✓ Ruled</p> <p>✓ Ruled</p> <p>✓ Ruled</p> <p>Rubrics followed.</p> <p>—</p> <p>All test analysis is in its self Ocean file</p> <p>End sem results done</p> <p>not closer – no action taken.</p> <p>Survey not available</p> <p>– No action taken.</p> <p>—</p> <p>—</p>
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				0	1	2	3	4		
				0	1	2	3	4		

		Student Feedback on Courses and Teacher	KEC/DEPT/IQI/F01	Feedback form and Action Taken	50	0	1	2	3	4	150	All CCM monitoring files is in the S&IT Dean office only but not in the physics (and) office.
		Course Monitoring Committee Meeting		CMC-01 to 04		0	1	2	3	4		
3. Research, Innovation and Extension (150)		Seed money Proposals (student funding through IIC may be consider)	KEC/DEPT/RC/F01	Proof	20	0	1	2	3	4	-7-	2 proposal only submitted but Ph.D complt ID family members.
		Submission of Project Proposals		RC-01		0	1	2	3	4		
		Research Grants received		Proof		0	1	2	3	4		
		Conference / seminar / workshop/FDP/STTP proposals submitted		RC-01	20	0	1	2	3	4	-0-	NIL
		Conference / seminar / workshop/FDP/STTP organized		Proof		0	1	2	3	4		
		Promotion of Start-ups	KEC/DEPT/HEC/F01	EMC-01 to 05	10	0	1	2	3	4	-	—
		Paper presentation by students		Proof and consolidate list (SAP-XL)	50	0	1	2	3	4	80	06 publications in SC 01 publication in papers checked. NIL NIL NIL NIL
		Conversion of student projects into paper	KEC/DEPT/RC/F01	RC-03		0	1	2	3	4		
		Quality Publications by faculty		RC-02		0	1	2	3	4		
		Books/Book chapters/Conference proceedings		RC-04		0	1	2	3	4		
		Patents filed/published/granted		RC-04		0	1	2	3	4		
		Awards for Innovation won by Teachers/Research scholars/ Clubs	KEC/DEPT/FST/F01	ASA-05		0	1	2	3	4		
		Faculty as Resource persons		Proof	20	0	1	2	3	4	-0-	NIL
		Professional development/administrative training programmes organized details		FST-07		0	1	2	3	4		
		Industrial Consultancy/Testing Works	KEC/DEPT/IIPC/F01	IIPC-01,02,03	20	0	1	2	3	4	—	—
		Corporate Training (IIPC/Other Grants)		IIPC-04		0	1	2	3	4		

		Association activities / Clubs/Professional Societies	KEC/DEPT/ASA/F01	ASA-01 to 04	20	(0)	1	2	3	4	—	NL	
		In plant Training/Internship	KEC/DEPT/IPC/F01	IPC-01 to 04,PC-05		0	1	2	3	4		—	
		MoUs signed and activities	KEC/DEPT/IIPC/F01	IIPC-05		(0)	1	2	3	4		—	
		Industrial visits arranged for students	KEC/DEPT/IPC/F01	IV-01 to IV-03		0	1	2	3	4		—	
	4. Infrastructure and Learning Resources (100)	One Faculty- One Industry Progress	KEC/DEPT/RC/F01	IIPC-06	10	0	1	2	3	4	—	—	
		Faculty interaction with industries and monitoring	KEC/DEPT/IIPC/F01	IIPC-01,07,08		(0)	1	2	3	4		—	
		Physical facilities – Classrooms, Faculty cabin, seminar hall, Projectors, Printers, etc.	KEC/DEPT/FMM/01	FMM-01 to 04	30	0	1	2	3	(4)	120	checked	
		Laboratory Maintenance Records/Registers	KEC/DEPT/Lab	LT-02 to 08		0	1	2	3	(4)		checked	
		Equipment working conditions/Calibration				0	1	2	3	(4)		maintained	
		Latest/Research Level equipments – Availability and Utilization				0	1	2	3	(4)		Budget for academic year Rs.86092 + 33069 - utilized.	
		Utilization of budget	KEC/DEPT/HOD/F01, KEC/DEPT/DBC/F01	HOD-06 DBC-01 to 05	20	0	1	2	3	(4)	80	Yes, utilized checked.	
	5. Student Support and Progression (100)	Department Library – Maintenance and utilization	KEC/DEPT/Lab	Records	20	0	1	2	3	4	—	—	
		Computing Facilities - Maintenance and utilization	KEC/DEPT/Lab	Records	30	0	1	2	3	(4)	120	checked.	
		E-content development – Videos developed	KEC/DEPT/Lab	Records		0	1	2	3	(4)		Developed by Dr. Rayasam 55.	
		Placement details and training plan for Skill Development	KEC/DEPT/PC/F01	PC-01 to 04	30	0	1	2	3	4	—	—	
		Awareness programmes on Higher Education	KEC/DEPT/HEC/F01	HEC-01 to 03		0	1	2	3	4		—	
		Student participation and success in competitive examinations	KEC/DEPT/HEC/F01	HEC-04	40	0	1	2	3	4	—	—	
		Percentage of students placed (Improvement over 3 years)	KEC/DEPT/PC/F01	PC-06,07		0	1	2	3	4		—	

		Percentage of students joined higher education	KEC/DEPT/HEC/F01	HEC-05		0	1	2	3	4	-	-
		Student's participation in Co/Extra-curricular activities (Cultural, Sports, etc.)	KEC/DEPT/SAP/F01	SAP-01 to 04, SAP-XL	20	0	1	2	3	4	60	
		Student achievements and awards		Proof								
		Alumni Visits, Meetings and Guest Lectures	KEC/DEPT/ALC/F01	ALC-01 to 05	10	0	1	2	3	4	-	
6.	Governance, Leadership and Management (100)	SWOT Analysis – Review Meeting	KEC/DEPT/HOD/F01	HOD-02	20	0	1	2	3	4	60	Analysis not properly maintained.
		Academic Audit –Action Taken	KEC/DEPT/IQAC/F01	IQI-01, 02,04, QP-00		0	1	2	3	4		
		Strategic Development – Centre of Excellence, Collaboration with Foreign Universities, New Courses	KEC/DEPT/HOD/F01	HOD-02	20	0	1	2	3	4	0	NIL
		Faculty Training – FDP/NPTEL/Industry	KEC/DEPT/FST/F01	FST-01,03, 04	20	0	1	2	3	4	80	check out.
		Faculty Qualification Improvement & Retention		R& D Quarterly Report		0	1	2	3	4		
		Skill up-gradation training for Supporting Staff	KEC/DEPT/FST/F01	FST-02	20	0	1	2	3	4	80	Improvement in the desired direction.
		Day to Day Activities and Parents-Teachers Meeting	KEC/DEPT/PRM/F01	PRO-01 to 04	20	0	1	2	3	4	80	100% not satisfied
7.	Institutional Values and Best Practices (100)	Department Best Practices	File	Proof	30	0	1	2	3	4	60	Not properly maintained.
		Contribution towards Institutional Values and Social Responsibilities	File	Proof		0	1	2	3	4		
		Contribution towards Special programmes	File	Proof	50	0	1	2	3	4	33	NIL
		Human values and Professional Ethics related activities	File	Proof		0	1	2	3	4		
		Contribution towards Institutional Distinctiveness	File	Proof	20	0	1	2	3	4	0	NIL
		Practices for Student Self learning	File	Proof		0	1	2	3	4		

S.No.	Criteria	Maximum Marks (1)	Weighted Average Marks (2)	Grade Point Average (2/1)	Major Remarks / Comments
1.	Curricular Aspects	150	480	3.2	
2.	Teaching –Learning Process	300	1024	3.4	
3.	Research, Innovation and Extension	150	140	87	
4.	Infrastructure and Learning Resources	100	320	0.6	R&D can be improved.
5.	Student Support and Progression	100	20	3.2	
6.	Governance Leadership and Management	100	60	3.0	
7.	Institutional Values and Best Practices	100	300	3.0	
Total		1000	910	2.93	Best Practice can be improved.
			2364	2.5	

Signature of Department Coordinators  
(Dr. C. Rangasami)

12/11/23

Signature of Auditors  
Dr. T. Abirami)

15/11/2023

Head of the Department  
(Dr. K. Prabu)

15/11/23

**KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE-638060**  
**(Autonomous)**  
**INTERNAL QUALITY ASSURANCE CELL (IQAC)**  
**ACADEMIC AUDIT 2022-2023 - ANALYSIS REPORT**

**Name of the Department: Physics**

**Date(s) of Audit: 08.11.23**

**A. Strengths (Y)**

- 10 faculty members have completed Ph.D
- R&D equipments available
- Experienced faculty members
- BoS feedback collection is good

**B. Concerns (C)**

- No evidence for exploring opportunities for research funding and encourage faculty to engage in research activities
- All test analysis , CMC documents (CAT & END) are available at S&H Dean's office only
- Student activities related documents

**C. Weakness/Areas of improvement: (W)**

- Minimum number of proposals has been sent.
- No collaborative work
- No industry collaboration
- R&D form missing (Proposal submitted Form)

**D. Deficiencies: (D)**

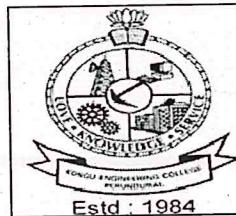
- R&D can be improved
- Best Practices can be improved

Type of Conformities	Details of non-conformities	Objective Evidence	Cause Analysis
Major	1. R&D can be improved 2. Best Practices can be improved 3. Value added courses need to be improved	<ul style="list-style-type: none"> <li>• Minimum no.of faculty members are published papers (Only 3 members)</li> <li>• Total no.of Ph.D completed:10</li> <li>• VAD - NIL</li> </ul>	<i>These areas were not discussed.</i>
Minor	--	--	
Finding	--	--	
Observation	1. Needed Budget consolidation report	Not followed in IQAC format	<i>Budget consolidation report was overlooked.</i>

*Abirami*  
**Auditors**  
(Dr.T.Abirasmi)

*S. Balaji*  
**IQAC Coordinator**

*✓ ✓*  
**HOD**  
*11/11/23*



**KONGU ENGINEERING COLLEGE  
(Autonomous)  
PERUNDURAI – 638060  
INTERNAL QUALITY ASSURANCE CELL**

**Action List including Opportunities for Improvement**



**Department: Physics**

**Date: 19-02-2024**

**Nonconformities**

**Major**

S.No.	Process	Findings	Results of Root Cause Analysis	Intended Corrections and Corrective Actions	Responsible Person	Due date
1	Research & Development	R and D can be improved	Focus on these areas were minimized	All faculty members will be motivated towards submitting seminar and conference proposals and also research proposals for funding support	All Faculty members	May 2024
2	Institutional values and best practices	Best practices can be improved	Activities related to social welfare were not initiated.	Proper initiation will be taken for conducting social welfare activities	All Faculty members	May 2024
3	Curriculum aspects	Value added courses need to be improved	Offering open elective courses. Value added courses not planned so far.	Necessary steps will be taken for including values added courses.	All Faculty members	May 2024

**Minor**

S.No.	Process	Findings	Results of Root Cause Analysis	Intended Corrections and Corrective Actions	Responsible Person	Due date
				NIL		

### Findings

S.No.	Process	Findings	Results of Root Cause Analysis	Intended Corrections and Corrective Actions	Responsible Person	Due date
NIL						

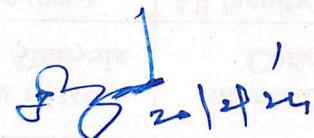
### Observations (Opportunities for improvement)

S.No.	Process	Findings	Action	Responsible	Date
1.	Infrastructure and Learning Resources	Needed budget consolidation report.	Necessary instruction was given to prepare budget consolidation report for every year.	Dr. D. Ramarajan/ AP/Physics	May 2024

  
20/5/24

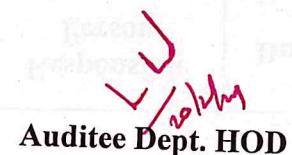
Signature of Auditor  
(Name with Designation & Dept.)

(Dr. T. ABINAMI  
Associate Professor  
Department of IT)

  
20/5/24

Auditee Dept. Coordinator

(C. Rangaswami)

  
✓/✓/✓/✓

Auditee Dept. HOD



### Audit Evaluation Sheet for the Academic Year 2022-2023

Auditors Name and Designation : Dr. P.C. Murugan / Associate Professor

Date of Audit : 06-11-2023

Audited Department : Chemistry.

S.No	Criteria (Max Mark)	Parameters	File Name	Formats	Max. Mark	Circle the score (0-Low score , 4- High score)					Weighted Average	Observations
1.	Curricular Aspects (150)	Curriculum Design and Development process	KEC/DEPT/CDC/ F01	CDC-01,02	40	0	1	2	3	4	106.67	Verified and found to be okay.
		Curriculum and syllabus – Planning and Implementation		CDC-03,04, 06		0	1	2	3	4		
		Dissemination of regulation, curriculum & Syllabus		CDC-05, 10		0	1	2	3	4		
		Minutes of BOS Meeting		CDC-08, 09		0	1	2	3	4		
		Revision in Elective courses		CDC-11		0	1	2	3	4		
		Value Added Courses – Organized and Participation of students	KEC/DEPT/NVA C/F01	NVC-01 to 06	30	0	1	2	3	4	—	No value added courses.
		Student involvement in field projects/internships	KEC/DEPT/PC/F01	PC-05		0	1	2	3	4		
		Feedback System on Curriculum - Alumni, Course End Survey, Employer, Faculty, Graduate Exit Survey, Parent	KEC/DEPT/CDC/ F01	CDC-07A, 07C, 07E, 07F, 07G, 07P	40	0	1	2	3	4	40	-Course end survey mapping mismatch
		Mapping of Course Outcomes and Programme Outcomes	KEC/DEPT/CDC/ F01	CDC-03,04, 06	40	0	1	2	3	4	66.67	-Lecture plan mapping and syllabus mapping mismatch -Skill matrix not allotted properly
		Allotting courses to faculty based on expertise	KEC/DEPT/TTI/F 01	TTI- 01,02,ACO-02		0	1	2	3	4		
		Allotment of adequate number of hours in time table for theory/practical/project		TTI-03 to 06, HOD-07		0	1	2	3	4		

2.	Teaching-Learning Process (300)	Student Enrolment & Improvement in Student Quality	KEC/DEPT/HOD/F01	HOD-03	20	0	1	2	(3)	4	60	<ul style="list-style-type: none"> <li>- Pass percentage in few sections not entered</li> <li>- Syllabus mapping missing with Lecture plan</li> <li>- Answer key not sufficient</li> <li>- Index page not filled</li> <li>- Attendance Percentage not entered in logbook</li> <li>- Co-po attainment not updated</li> <li>- Number of tutorials not sufficient</li> <li>- Handwritten question paper not followed</li> <li>- Scrutiny report for AP not maintained</li> </ul>	
		Student Teacher Ratio, Cadre Ratio & Adjunct Faculty		HOD-04		0	1	2	(3)	4			
		Structured Course Plan	KEC/DEPT/CCT/	CCO-01	100	0	1	(2)	3	4	200		
		Course Coordination Meeting		CCO-02		0	1	(2)	3	4			
		Course Delivery Methods – Use of ICT tools		Course File		0	(1)	2	3	4			
		Continuous Assessment (CA) Test Question Paper standards	KEC/DEPT/CCT/	TCO-05		0	(1)	2	3	4			
		Conduct of Continuous Assessment Tests		KEC/DEPT/TCO/F01		TCO-01 to 04, 06,07	0	(1)	2	3			
		Remedial Measures for Slow Learners	KEC/DEPT/CCT/	Course File	50	0	1	2	(3)	4	200		
		Adequate number of Assignments and Tutorials		Course File		0	(1)	2	3	4			
		Laboratory Plan	KEC/DEPT/CCL/	LT-01,LT09		0	1	2	(3)	4			
		Quality of Laboratory Manual		Course File		0	1	2	3	(4)			
		Project Work Review Schedule	KEC/DEPT/CCP/	PR-01,02 (Project file)		0	1	2	3	4			
		Evaluation of CA Test papers		Course File		0	1	2	3	(4)	200		
		Evaluation of Assignments/Tutorials	KEC/DEPT/CCT/	Course File		0	1	2	3	(4)			
		Evaluating experiments – Rubrics/Periodically	KEC/DEPT/CCL/	Lab Manual		0	1	2	3	(4)			
		Evaluation of Projects through Review – Rubrics followed	KEC/DEPT/CCP/	Project file		0	1	2	3	4			
		Continuous Assessment Test – Analysis	KEC/DEPT/CLA/F01	CLA03XL-1 CLA04XL-2	80	0	1	2	3	(4)	240		
		End Semester Result Analysis		CLA04XL1,2		0	1	2	3	(4)			
		Course Outcomes and Programme Outcomes Analysis – Direct & Indirect Assessments & Action Taken	KEC/DEPT/POM/F01	POM-01 to 05		0	(1)	2	3	4			
		Quality of Project Reports		KEC/DEPT/CCP/		Sample reports	0	1	2	3			
		PAC and QIC formulation and Meeting minutes	KEC/DEPT/HOD/F01	HOD-09 to 12		0	1	2	3	4			

		Student Feedback on Course and Teacher	KEC/DEPT/IQI/F01	Feedback form and Action Taken	50	0	1	2	(3)	4	125	- co-po mapping not discussed in mc Pass percentage in few sections not reported
		Course Monitoring Committee Meeting		CMC-01 to 04		0	1	(2)	3	4		
3. Research, Innovation and Extension (150)	Seed money Proposals (student funding through IIC may be consider) Submission of Project Proposals Research Grants received Conference / seminar / workshop/FDP/STTP proposals submitted Conference / seminar / workshop/FDP/SSTP organized	KEC/DEPT/RC/F01	Proof	20	0	1	2	3	4	33.33	7 Research proposals submitted 12 Conference / seminar applied, No research grant	
			RC-01		0	1	2	3	(4)			
			Proof		0	(1)	2	3	4			
			RC-01		0	1	2	3	(4)			
			Proof		0	1	2	3	(4)			
			Promotion of Start-ups	KEC/DEPT/HEC/F01	EMC-01 to 05	10	0	1	2	3	4	
	Paper presentation by students Conversion of student projects into paper Quality Publications by faculty Books/Book chapters/Conference proceedings Patents filed/published/granted	KEC/DEPT/SAP/F01	Proof and consolidate list (SAP-XL)	50	0	1	2	3	4	80	- No paper presentations	
			RC-03		0	1	2	3	4			
			RC-02		0	1	2	(3)	4			
			RC-04		0	(1)	2	3	4			
			RC-04		0	(1)	2	3	4			
	Awards for Innovation won by Teachers/Research scholars/ Clubs Faculty as Resource persons Professional development/ administrative training programmes organized details	KEC/DEPT/FST/F01	ASA-05	20	0	1	2	(3)	4	46.67	- Quality of publication needs improvement - Paper per faculty not fulfilled. - No patents - NO Book chapters	
			Proof		0	1	2	(3)	4			
			FST-07		0	1	2	(3)	4			
			IIPC-01,02,03		0	1	2	3	(4)			
	Industrial Consultancy/Testing Works Corporate Training (IIPC/Other Grants)	KEC/DEPT/IIPC/F01	IIPC-04		0	1	2	3	4		- Rs.45000/- consultant amount generated.	

		Association activities / Clubs/Professional Societies	KEC/DEPT/ASA/F01	ASA-01 to 04	20	0	1	2	(3)	4	20	+ No separate association by	
		In plant Training/Internship	KEC/DEPT/IPC/F01	IPC-01 to 04,PC-05		0	1	2	3	4		No MoU signed	
		MoUs signed and activities	KEC/DEPT/IIPC/F01	IIPC-05		(0)	1	2	3	4			
		Industrial visits arranged for students	KEC/DEPT/IPC/F01	IV-01 to IV-03		0	1	2	3	4			
	4.	One Faculty- One Industry Progress	KEC/DEPT/RC/F01	IIPC-06	10	0	1	2	3	4	-	Nil faculty industry interaction	
		Faculty interaction with industries and monitoring	KEC/DEPT/IIPC/F01	IIPC-01,07,08		(0)	1	2	3	4		-	
	4.	Physical facilities – Classrooms, Faculty cabin, seminar hall, Projectors, Printers, etc.	KEC/DEPT/FMM/F01	FMM-01 to 04	30	0	1	2	3	(4)	120	- good.	
		Laboratory Maintenance Records/Registers	KEC/DEPT/Lab	LT-02 to 08		0	1	2	3	(4)		- good & verified.	
		Equipment working conditions/Calibration				0	1	2	3	(4)		- good & verified.	
		Latest/Research Level equipments – Availability and Utilization				0	1	2	3	(4)		-	
		Utilization of budget	KEC/DEPT/HOD/F01, KEC/DEPT/DBC/F01	HOD-06 DBC-01 to 05	20	0	1	2	(3)	4	60	- Consolidated budget on expenses not available	
		Department Library – Maintenance and utilization	KEC/DEPT/Lab	Records	20	0	1	2	(3)	4	60	- good.	
		Computing Facilities - Maintenance and utilization	KEC/DEPT/Lab	Records	30	0	1	2	(3)	4	60	- good.	
		E-content development – Videos developed	KEC/DEPT/Lab	Records		0	1	2	(3)	4		- good & verified	
	5.	Placement details and training plan for Skill Development	KEC/DEPT/PC/F01	PC-01 to 04	30	0	1	2	3	4			
		Awareness programmes on Higher Education	KEC/DEPT/HEC/F01	HEC-01 to 03		0	1	2	3	4			
		Student participation and success in competitive examinations	KEC/DEPT/HEC/F01	HEC-04	40	0	1	2	3	4			
		Percentage of students placed (Improvement over 3 years)	KEC/DEPT/PC/F01	PC-06,07		0	1	2	3	4			

		Percentage of students joined higher education	KEC/DEPT/HEC/F01	HEC-05		0	1	2	3	4		
	6.	Student's participation in Co/Extra-curricular activities (Cultural, Sports, etc.)	KEC/DEPT/SAP/F01	SAP-01 to 04, SAP-XL	20	0	1	2	3	4	60	ventied.
		Student achievements and awards		Proof								
		Alumni Visits, Meetings and Guest Lectures	KEC/DEPT/ALC/F01	ALC-01 to 05	10	0	1	2	3	4	20	Not available.
	Governance, Leadership and Management (100)	SWOT Analysis – Review Meeting	KEC/DEPT/HOD/F01	HOD-02	20	0	1	2	3	4	60	SWOT followed
		Academic Audit –Action Taken	KEC/DEPT/IQAC/F01	IQI-01, 02,04, QP-00		0	1	2	3	4		Available
		Strategic Development – Centre of Excellence, Collaboration with Foreign Universities, New Courses	KEC/DEPT/HOD/F01	HOD-02	20	0	1	2	3	4	0	No centre of excellence.
		Faculty Training – FDP/NPTEL/Industry	KEC/DEPT/FST/F01	FST-01,03, 04	20	0	1	2	3	4	60	8 faculty completed NPTEL
		Faculty Qualification Improvement & Retention		R& D Quarterly Report		0	1	2	3	4		- good faculty retention
		Skill up-gradation training for Supporting Staff	KEC/DEPT/FST/F01	FST-02	20	0	1	2	3	4	40	Not sufficient
		Day to Day Activities and Parents-Teachers Meeting	KEC/DEPT/PRM/F01	PRO-01 to 04	20	0	1	2	3	4	60	- Available.
	7.	Department Best Practices	File	Proof	30	0	1	2	3	4	60	Available.
		Contribution towards Institutional Values and Social Responsibilities	File	Proof	50	0	1	2	3	4	133.33	- Have to concentrate on these parameters
		Contribution towards Special programmes	File	Proof		0	1	2	3	4		
		Human values and Professional Ethics related activities	File	Proof		0	1	2	3	4		
		Contribution towards Institutional Distinctiveness	File	Proof	20	0	1	2	3	4	60	- Documents not sufficient.
		Practices for Student Self learning	File	Proof		0	1	2	3	4		

S.No.	Criteria	Maximum Marks (1)	Weighted Average Marks (2)	Grade Point Average (2/1)	Major Remarks / Comments
1.	Curricular Aspects	150	213.34	1.42	—
2.	Teaching –Learning Process	300	785	2.61	Documents are not maintained as per QAAC format like previous year audit.
3.	Research, Innovation and Extension	150	260	1.62	—
4.	Infrastructure and Learning Resources	100	300	3.00	- course file preparation needs improvement.
5.	Student Support and Progression	100	80	0.80	—
6.	Governance Leadership and Management	100	220	2.22	—
7.	Institutional Values and Best Practices	100	253.33	2.53	—
<b>Total</b>		1000	2111.67	2.11	—

1.   
Dr. K. MANJULA RANI  
17/11/23

2.   
Dr. R. TAMILISAI  
Signature of Department Coordinators  
(with name)

1. DR. K. MANJULA RANI  
ASP / CHEMISTRY  
2. DR. R. TAMILISAI

  
Dr. P.C. MUNIGAN  
17/11/23

Signature of Auditors  
(with name and dept.)  
(Dr. P.C. Munigan  
ASP (Automobile))

  
Dr. A. GEETHA  
17/11/23

Head of the Department  
(with seal)

Dr. A. GEETHA  
ASSOCIATE PROFESSOR & HEAD  
DEPT OF CHEMISTRY  
KONGU ENGINEERING COLLEGE  
THOOPPALAYAM (Po)  
TIRUNELVELI, ERODE - 638 060

**KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE-638060**

(Autonomous)

**INTERNAL QUALITY ASSURANCE CELL (IQAC)**

**ACADEMIC AUDIT 2022-2023 - ANALYSIS REPORT**

**Name of the Department: Chemistry**

**Date(s) of Audit: 06/11/2023**

A. Strengths (Y)
<ul style="list-style-type: none"> <li>• Faculty Cadre Ratio</li> <li>• Consultancy activities are good</li> <li>• Very good Lab Environment and Infrastructure</li> <li>• 1 Sponsored FDP organized</li> </ul>
B. Concerns (C)
<ul style="list-style-type: none"> <li>• Very Good Faculty Retention Ratio</li> <li>• Submission of Research proposal for funding agency is good in numbers</li> </ul>
C. Weakness/Areas of improvement: (W)
<ul style="list-style-type: none"> <li>• The Teaching-Learning Process documentation needs improvement</li> <li>• No MoU signed with Industry</li> </ul>
D. Deficiencies: (D)
<ul style="list-style-type: none"> <li>• Quality SCI Publications are needed in reputed journals</li> <li>• Students are not aligned with the faculty for publication activities</li> <li>• No Research Grant for the academic Year 2022-2023</li> </ul>

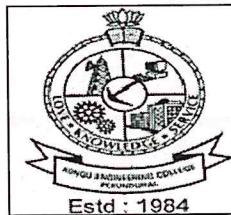
Type of Conformities	Details of non-conformities	Objective Evidence	Cause Analysis
Major	Teaching Learning Process documentation not appropriate	Course File	Awareness needed among the faculty
	Handwritten Question Paper not Followed	QP File	System to be adopted
	CO-PO attainment mapping needs attention	Course File	Awareness needed among the faculty
Minor	The number of Tutorials is not sufficient	Course File	Discussion needed in the CCC meeting
	Faculty attending FDP is not sufficient	FST file	Discussed with the faculty
Finding	QP paper scrutiny form not available	QP file	System to be adopted
	Publication per faculty is not sufficient	R&D file	Informed about Circular 6
Observation	Course File and QP Preparation needs attention	Course File	Discussed with the faculty
	Overall Files are not in IQAC format as reported in previous years' audit	Last Year's Audit Report	Informed to the faculty

**Auditors**  
Name and Signature

(Dr. P.C. Murugan)

1. Dr. M. Jyoti / 17/11/23 (Dr. K. MANJULA RANI)  
2. B. Thirumurthy / 17/11/23 (Dr. R. TAMILISAI)  
**IQAC Coordinator**  
Name and Signature

X. G. S. / 17/11/23  
**HOD**



**Department: Chemistry**

**Date: 15.02.2024**

**Nonconformities**

S.No.	Process	Findings	Results of Root Cause Analysis	Intended Corrections and Corrective Actions	Responsible Person	Due date
1.	Teaching Learning Process	1. Pass and Attendance % in few sections was not Entered in personal log book.  2. Hand written QP was not followed. QP Scrutiny form was not available in Qp file  3. CO-PO attainment is not mapped in course file.	Awareness needed among the faculty.  Will follow it in future  Due to lack of attention/awareness	Informed to all Faculty.  Informed to the Test Coordinator  Informed to all Faculty.	All Faculty  Dr MK  All Faculty	2023-24 (ODD Semester)  28.10.2023 CAT-1 for 2023-24 (ODD Semester)  2023-24 (ODD Semester)

**Observations (Opportunities for improvement)**

S.No.	Process	Findings	Action	Responsible	Date
1.	Teaching Learning Process	Course File and QP preparation needs attention. IQAC format are not followed in some documents in course file.	Informed to all Faculty	All Faculty	2023-24 (Odd Semester)
2.	Research, Innovation and Extension	Publications per Faculty and FDP attended is not Sufficient	Informed to all Faculty	All Faculty	31.05.2024



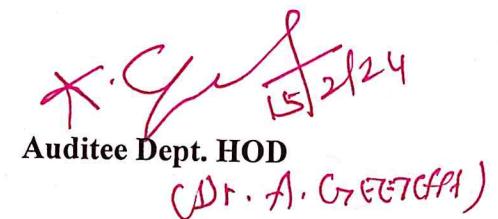
Signature of Auditor

(Name with Designation & Dept.)

Dr. P.C. Murugan,  
Associate Professor

1. Dr. K. MANJULA RANI (Dr. K. MANJULA RANI)  
2. Dr. R. THIVY (Dr. R. THIVY)

Auditee Dept. Coordinator



Auditee Dept. HOD

(Dr. A. GEEGAPPA)