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# CRITERION 6 - GOVERNANCE, LEADERSHIP AND MANAGEMENT

# **Key Indicator 6.5 Internal Quality Assurance System**

Metric No 6.5.2 The institution reviews its teaching learning process, structures and methodologies of operations and learning outcomes at periodic intervals through IQAC as per norms.

Sl. No	Contents	File
1		Administrative and Academic Audit (AAA) - Institute
2	Academic Year 2023-24	Administrative and Academic Audit (AAA) - Departments
3		Course File Audit

Principa RINCIPAL NPR College of Engineering and Technology Natham, Dindigui[Dt)-624 401

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Date: 22.07.2024

### **CIRCULAR**

This is to inform that our institution is going to conduct an Academic and Administrative Audit 0n 27.07.2024. All the HODs and Staff members are asked to extend their co-operations to complete the auditing successfully.

PRINCIPAL

Dr.B.MAROTHU KANNAN, ME.,Ph.D.,

**Principal** 

PR College of Bugineering and Technolog Natham, Danfiguif Dt - 024 401

### Copy to:

- 1. The Administrative Office
- 2. All HODs Circulate to all faculties and classes
- 3. IQAC
- 4. File

(AUTONOMOUS)

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### Internal Quality Assurance Cell (IQAC)

### **External Audit Details**

Date: 26.07.2024

	Name & Designation & Ourselestion	Name & Designation Organization
S/N.	Name & Designation & Organization,	Name & Designation, Organization,
	Auditor	Auditee
	Dr. G. Senthilkumar,	
1	Controller of Examination,	Dr. T. Priya, Controller of Examination,
	Bannari Amman Institute of Technology,	NPR College of Engineering and Technology
	Sathyamangalam,	
	Dr. P. Sivaraman,	
	Department of Electrical and Electronics	Dr. K. Kanimozhi,
2	Engineering,	HoD - EEE
	Professor & Autonomy in-charge,	NPR College of Engineering and Technology
	Bannari Amman Institute of Technology,	The Conoge of Engineering and Teameragy
	Sathyamangalam,	
	Dr. G. Kumaresan,	Dr. K.A. Sundararaman,
3	HoD – Department of Mechanical Engineering,	HoD – Mech
	Bannari Amman Institute of Technology,	NPR College of Engineering and Technology
	Sathyamangalam.	
	Dr. K. Sadasivam,	
4	Prof - Physics,	Dr. P. S. Satheesh Kumar, HoD - Physics
-	Bannari Amman Institute of	NPR College of Engineering and Technology
	Technology, Sathyamangalam,	
	Dr. G. Kanagaraj,	Dr. M. Indra Devi,
5	Assistant Professor – II,	HoD - CSE
	Department of Computer science and Engineering,	NPR College of Engineering and Technology
	Kumaraguru College of Technology, Coimbatore.	Wire Conlege of Engineering and Technology
	Dr. S. Maheswaran,	
	Associate Professor,	Dr. G. Mohanbabu,
6	Department of Electronics communication	HoD – ECE,
	Engineering,	NPR College of Engineering and Technology
	Kongu Engineering College, Erode.	
	Dr. J. Jeyanthi	Dr. K. Baskar,
7	Associate Professor,	HoD – Civil
7	Department of Civil Engineering,	
	Mepco Schlenk Engineering College, Sivakasi.	NPR College of Engineering and Technology
1	Dr. Senthil V	Dr. D. Volsson
	Associate Professor,	Dr. B. Velmurugan HoD – MBA
8	Chairperson - IT Infrastructure,	
7 - ,	Thiagarajar School of Management (TSM),	NPR College of Engineering and
	Madurai	Technology





### **Internal Quality Assurance Cell (IQAC)** Academic and Administrative Audit **Attendance Report**

Date: 27.07.2024

S/N.	Name & Designation & Organization, Auditor	Signature with Date
1	Dr. G. Senthilkumar, Controller of Examination, Bannari Amman Institute of Technology, Sathyamangalam,	G.Salum/2717124
2	Dr. P. Sivaraman, Department of Electrical and Electronics Engineering, Professor & Autonomy in-charge, Bannari Amman Institute of Technology, Sathyamangalam,	P. Frank 224
3	Dr. G. Kumaresan, HoD – Department of Mechanical Engineering, Bannari Amman Institute of Technology, Sathyamangalam.	Spiralahra
4	Dr. K. Sadasivam, Prof - Physics, Bannari Amman Institute of Technology, Sathyamangalam,	Tr. 92 22 30 34
5	Dr. G. Kanagaraj, Assistant Professor Grade – II, Department of Computer science and Engineering, Kumaraguru College of Technology, Coimbatore.	J. W. 27107129
6	Dr. S. Maheswaran, Associate Professor, Department of Electronics Communication Engineering, Kongu Engineering College, Erode.	8. mat 275013/24
7_	Dr. J. Jeyanthi Associate Professor, Department of Civil Engineering, Mepco Schlenk Engineering College, Sivakasi.	2 De 1 2/2/24
8	Dr. Senthil V Associate Professor, Chairperson - IT Infrastructure, Thiagarajar School of Management (TSM), Madurai	7. halle

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# INTERNAL QUALITY ASSURANCE CELL (IQAC)

### Academic and Administrative Audit - Institute

Academic Year: 2023 - 24.

Date: 27.07.24,

**College Name** 

: NPR College of Engineering & Technology

**Principal Name** 

: Dr. B. Maruthu Kannan

### A. Academic calendar

Sl. No	Audit Parameters	Internal Monitoring and Audit findings	Corrective Measures
1	Institute Level Academic Calendar Preparedness In line to University	Adhered to University	

# **B. Student Admission**

Sl. No	Audit Parameters	Internal Monitoring and Audit findings	Corrective Measures
2	Percentage of Student Admission	984.	



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# C. Faculty Profile and Faculty Development

SI. No	Audit Parameters	Internal Monitoring and Audit findings	Corrective Measures
3	Total Number of Faculties on Roll	Teaching faculties are available.	-
4	Number of Faculties with PhD and pursuing PhD	36- PhD holders. 27- Pursuing PhD.	-
5	Initiatives for funded /Sponsored projects and consultancy works	It was initiated.	Encourage them to get more projects.
6	Number of Papers published in UGC, SCOPUS, WEB of Science	Totally 24 Paper Published	
7	Number of Conference Papers published with ISBN number	13 were published	_
8	Number of patents published	10	Need to improve.
9	Number of Faculty Awards		_

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# D. Infrastructure and Resources

Sl. No	Audit Parameters	Internal Monitoring and Audit findings	Corrective Measures
10	Number of Class rooms with ICT Facility	32	-
11	Laboratory facility	Available with all equipment computer facilities with air conditioning	-
13	Library facilities	Equipped with text books, reference books, Journals, e-books.	•
13	Number of new Books and Titles in Central library	337 New books available.	
14	Digital Library Utilisation of E-journals, EBooks, Etc	Digital Utilization Likee-books, and e-journals added.	
15	Stock Verification (Departments and Central Library	Yes, Venfied.	-
16	Website Update	It is done frequently	-
17	Internet and Wi-fi facility	Adequale computing facilities with LAN & WIFI Connection.	_
18	Hostel Facility	Seperate hostel for girls and boys with Seperate maiting hall	-

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19	Language Lab with required facility	computers are functional	-3-
	Zanguage Zao Willi required facility	with intinet facility.	
20	Workshop facility	Available for Students	
20	Workshop racinty	Usage.	_
21	Transport Facility	Buses civailable in	-
		good Condition.	
22	Sports/Gym/Yoga Center ete	All the facilities are	
	Sports Syns Togs Some to	amilable	
23	RO and Power Supply details	water coder and power	_
23	No and I ower Supply details	backups available in the block	_
24	Safety and Security System	fire extinguisher and first aid	
24	Salety and Security System	boxes are in wage. CCTV's are available.	_
25	Green initiatives, Campus Maintenance and	SJTP, Biogas, Solar light, Rain water	,
25	Cleanliness	harvesting eve in moitor. Plastic force campus.	
26	S Conference Hell	Totally & Seminar halls	
26	Seminar/ Conference Hall	available.	-
27	N. P. d.	Tie up with local primary	
27	Medical care usage	health Centre, Ulupagudi.	



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### E. Governance and Administration

Sl. No	Audit Parameters	Internal Monitoring and Audit findings	Corrective Measures
28	Frequency of Meetings of all Committees and record keeping	Academic Acidit Committee, Discipline committee, Antitagging committee and various other Committee extend monitoring	_
29	Faculty and Staff Empowerment Policy	FDP, Group insurance, Advance emerging ban, fees concession.	,
30	Budget Allocation	The sum of Rs 5, 16,00,000 was sanchord	
31	Budget Utilization	The lam of Ps 500, 60,000 was utilized	_***.

# F. Quality Initiatives

Sl. No	Audit Parameters	Internal Monitoring and Audit findings	Corrective Measures
32	Quality certification from National / International forum (NIRF, AISHE, NBA, NAAC, ISO, etc.)	Participated in NIRF, having NBA, NAAC accrediations	-
33	Participation in National/ International events (Project Contest)	Regularly attended.	_
34	Social Activities, Programs organized by NSS/YRC	16 programs	-

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# G. Student Support System and Progression

Sl. No	Audit Parameters	Internal Monitoring and Audit findings	Corrective Measures
35	Institutional Scholarship, Free ship	Government, management scholarship given.	-
36	Placement and Graduation Day	Adhered	_
37	Placement Percentage	85.14·	-
38	Alumni Registration and alumni meet	Regularly Conducted.	_
39	Sports activity	Regularly Conducted.	
40	Cultural Activities	Yes	_
41	EDC Initiatives / Activities	3 programs on Entrepreneuship were conducted through EDC Cell.	
42	Grievance and Redressal Mechanism	Heetings were Conducted Legularly.	_



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# H. Industry-Academic Interaction

Sl. No	Audit Parameters	Internal Monitoring and Audit findings	Corrective Measures
43	IPR workshop, Initiatives HR Connect, Industry Innovation	Programs were Conducted degularly	-
44	MOUs and activeness	Made all mous - 39	_

Name and Designation of Academic Audit Expert: Mr.R. Anand, Principal, NPR Polytechnic College, Natham.

INTERNAL AUDITOR

Dr. A. GOPI SAMINATHAN)

EXTERNAL AUDITOR

Mr. R. ANAND PRINCIPAL

NPRPC.



# INTERNAL QUALITY ASSURANCE CELL

# ACADEMIC AND ADMINISTRATIVE AUDIT FOR THE ACADEMIC YEAR 2023 - 2024

# **Audit Report**

Department: Civil Engineering

Date of Audit:27.07.2024

S/N	Criteria	Relevance		Evalu	uation			
A. Visi	on, Mission and PEOs							
1.	State the Vision, Mission of the Department and Institute and Prgramme Educational Objectives	NBA 1.1	Not Evident	Emerging	Established	Highly Developed		
	a. Does the Vision indicate the aspirations of the department?			<b>√</b>				
	b. Does the Mission statements help to achieve the Vision of the department?							
	Comments: Ethical skills to be included in the mission.							
	Suggestions for Improvement:  Management Skills and Intra Personal skills may be included in Mission.							

S/N	Criteria		-	4		
		Relevance		Evalu	uation	
	on, Mission and PEOs					
2.	Indicate whether the Vision, Mission and PEOs are published and disseminated among the stakeholders.	NBA 1.3/1.4 NAAC 2.6.1	Not Evident	Emerging	Established	Highly Developed
	a. Does the Vision, Mission and PEOs are available in Department, Institution's website & curriculum?				1	Developed
	b. Any effective process implementation in practice to ensure av Vision, Mission and PEOs to internal and external stakeholders?	wareness about		<b>√</b>		
	Comments: Students (Stockholders) are aware about the vision, Mission a					
	Suggestions for Improvement: Nil	· ·			*r	
					r!	,

S/N	Criteria	Relevance	Evaluation			
A. Vis	ion, Mission and PEOs					
3.	Establish consistency of PEOs with Mission of the Jepartment	NBA 1.5	Not Evident	Emerging	Established	Highly Developed
	a. Mission Vs PEOs matrix exists for the Department.			<b>\</b>	, ,	
	b. Is the matrix sufficient to establish the consistency of PEOs wi Departments?		1			
	Comments: Vision and Mission Matrix with PEOs Should be Specific to Civil	Engineering.				
	Suggestions for Improvement:					
	Each PEOs may be consistent with the mission of the departmen					

/N	Criteria	6	Relevance	4	Eval	uation				
Curr	iculum Design and Development									
4.	Structure of the Curriculum, Planning, Imp Evaluation processes	lementation and	NAAC 1.1.2, 1.1.3	Not Evident	Emerging	Established	Highly Developed			
	a. Establishment of Curriculum Developme	ent Committee				✓				
	b. Any proof for reviewing and updating the content of the courses from time to time?					<b>/</b>				
	c. Adherence to academic calendar			✓						
	d. Participation of faculty members related to curriculum development and assessment				✓					
	Comments: Proof not Available in the academic calendar for curriculum development.									
	Suggestions for Improvement: Suggested to include the curriculum development meetings in the academic calendar.									

		Relevance		Evaluation					
S/N	Criteria	Melevanice							
C. Aca	demic Flexibility  Curriculum provides additional choice of courses to meet the	NAAC 1.2.2, 1.2.3 A	Not Evident	Emerging	Established	Highly Developed			
5.	· Janta' noods		<b>√</b>						
	a. Learning options provided for meeting out the industrial requirements		<b>√</b>						
	b. If so, whether majority of the students got benefitted?								
	Comments: Industrial requirements in curriculum.								
	Suggestions for Improvement: Entrepreneur and Industrial experts' suggestions related to pr	actical knowledge m	ay be included	in curriculum.	-				

S/N	Criteria	Relevance		Eval	uation		
	ching Learning Process			<u> </u>			
6.	Methodologies used for enhancing learning experiences	NBA 2.1.2, 2.2.1 NAAC 2.3.1	Not Evident	Emerging	Established	Highly Developed	
	<ul> <li>a. Is there any proof for Experiential learning/Participative learning/Problem solving methodologies</li> <li>b. Delivery details of content beyond syllabus satisfies the industrial expectations</li> </ul>			✓	6 5		
-				<b>√</b>			
	c. Does the submitted proof is relevant and sufficient for the ev	/aluation		<b>√</b>			
	Comments: Advanced Topics beyond syllabus is expected						
	Suggestions for Improvement:						
	<ol> <li>Core Electives may be incorporated with advanced topics.</li> <li>Training or Online classes (NPTEL) may be suggested for be</li> </ol>						

S/N	Criteria	Relevance		Evalu	uation			
D. Tea	ching Learning Process		L					
7.	ICT for effective teaching with Learning Management Systems (LMS), E-Learning resources, etc.	NBA 2.2.1 NAAC 2.3.2	Not Evident	Emerging	Established	Highly Developed		
	a. Is there any proof for teachers using ICT facilities in the department for effective teaching?		✓					
	o. Is there proof for faculty members using LMS for the conduction of classes?				<b>✓</b>			
	c. Is there proof for faculty members using E-Learning resources for effective teaching?				1			
	d. Does the submitted proof is relevant and sufficient for the evaluation?				✓			
W	Comments: E Learning materials available							
	Suggestions for Improvement: Effective utilization of E- learning resources by the students.			ja ja				

S/N	Criteria	Relevance		Evaluation					
E. Tead	ching Learning and Evaluation								
8.	Quality of end semester examination, periodical test question papers, assignments, and evaluation	NBA 2.2.2	Not Evident	Emerging	Established	Highly Developed			
	a. Number of End Semester Examination Question Papers Analyzed (Min.50%)				1				
	b. Number of Periodical Examination Question Papers Analyzed (Min.50%)				/	-			
	c. Number of Course Files verified (at least one sample for each								
	Comments: High level questions are expected.								
	Suggestions for Improvement: Multiple choice questions of high cognitive level may be included. (Ex. GATE Questions).								

S/N	Criteria	Relevance	Evaluation						
F. Asse	essment								
9.	Quality of Assessment	NBA 2.2.2	Not Evident	Emerging	Established	Highly Developed			
	<ul> <li>a. Is the Standard, Appropriateness and Challenge of Examination Question Papers Satisfactory?</li> </ul>				1	<u> </u>			
	b. Is there a Clear and Transparent Marking Criteria available for all the Courses?				/				
	c. Does the distribution of marks between End Semester Examination and Continuous Evaluation are well balanced?			✓					
	d. Is there a well-established Regulation exist for the students to get clarity about the Assessment, Credit Scheme, Moderation, Condonement and Marking			<b>√</b>					
	Comments: Clarity of students about the assessment and moderations are required.								
	Suggestions for Improvement: Awareness of the students about credit schemes and moderations are suggested.								

S/N	Criteria	Relevance		Evaluation					
E. Tea	ching Learning and Evaluation	I							
8.	Quality of end semester examination, periodical test question papers, assignments, and evaluation	NBA 2.2.2	Not Evident	Emerging	Established	Highly Developed			
	a. Number of End Semester Examination Question Papers Analyzed (Min.50%)				1				
	b. Number of Periodical Examination Question Papers Analyzed (Min.50%)				1				
	c. Number of Course Files verified (at least one sample for each year is required)				1				
	Comments: High level questions are expected.								
	Suggestions for Improvement:  Multiple choice questions of high cognitive level may be included. (Ex. GATE Questions).								

N	Criteria	Relevance	Evaluation					
sse	ssment		I					
•			Not Evident	Emerging	Established	Highly Developed		
-	a. Is the Standard, Appropriateness and Challenge of Examination Question Papers Satisfactory?				1			
	b. Is there a Clear and Transparent Marking Criteria available for all the Courses?				<b>√</b>			
	c. Does the distribution of marks between End Semester Examination and Continuous Evaluation are well balanced?			✓				
	d. Is there a well-established Regulation exist for the students to get clarity about the Assessment, Credit Scheme, Moderation, Condonement and Marking			<b>√</b>				
	Comments: Clarity of students about the assessment and moderations are required.							
	Suggestions for Improvement: Awareness of the students about credit schemes and moderations are suggested.							

S/N	Criteria	Relevance		Cunt		
G. Fee	dback			Evall	uation	· .
10.	Student feedback on Teaching Learning process	NBA 2.2.1 NAAC 2.7.1	Not Evident	Emerging	Established	Highly Developed
	a. Is there any proof available for students' feedback on Teaching Learning process?			<b>√</b>		Developeu
	b. Is the action planned based on the feedback?			<u></u>		
l	c. Does the submitted proof is relevant and sufficient for the evaluation?			<b>√</b>		
	Comments: Suggestions for Teaching Learning process in syllabus by the students.					
1	Suggestions for Improvement: Students feedback on the revision of syllabus may be incorpor	ated.				

S/N	Criteria	Relevance	Evaluation					
H. Atta	ainment of POs, COs & PSOs					*		
11.	Establish the correlation between the courses and the Program Outcomes (POs) & Program Specific Outcomes (PSOs)	NBA 3.1	Not Evident	Emerging	Established	Highly Developed		
l ·	a. Course Articulation Matrix Exists for the Department?		✓					
£	b. Program Articulation Matrix Exists for the Department?		✓					
	c. Are the matrices sufficient to establish correlation between the courses and POs & PSOs?							
	Comments: Articulation Matrix not available.							
	Suggestions for Improvement: Articulation Matrix may be included in ERP.							

S/N	. Criteria	Relevance		Evalı	uation				
I. Atta	ninment of POs, COs & PSOs								
12.	Describe the assessment tools and process used to gather the data upon which the evaluation of COs, each POs and PSOs is based.	NBA 3.2/3.3 NAAC 2.6.2	Not Evident	Emerging	Established	Highly Developed			
	a. Are the Assessment tools, question and rubrics used to measure students' learning and course outcomes are clear, sufficient and exemplified?			<b>√</b>					
	b. Are the Assessment tools, process for POs and PSOs are clear, sufficient and exemplified?			<b>√</b>	-				
	c. Is the process of Data collection, analysis and presentation for COs attainment sufficient and exemplified?			<b>√</b>					
	Comments:					ł			
	Assessment measures and rubrics need to be improved.								
	Suggestions for Improvement:								
	Common rubrics for the institution to be adopted.								

S/N	Criteria	Relevance		Evalu	uation	
H. Atta	inment of POs, COs & PSOs					
13.	Record the attainment of Course Outcomes of courses with respect to set attainment levels.	NBA 3.2 NAAC 2.6.2	Not Evident	Emerging	Established	Highly Developed
	a. Are Course Outcome targets set and well established for the courses with proper justification?			✓		
b. Are the attainment level of the Course Outcomes submitted are satisfall the courses?		re satisfactory for		<b>√</b>		
	c. Are the action plan satisfactory for courses with COs not attain	ned?		✓		
	Comments: Satisfactory action plans are required for not attained Cos.					
E	Suggestions for Improvement:  Specific targets of COs may be established with respect to the s	specific courses.				

S/N	Criteria	Relevance	Evaluation			
H. Atta	inment of POs, COs & PSOs					
14.	Provide results for evaluation of each PO & PSO	NBA 3.3	Not Evident	Emerging	Established	Highly Developed
_	a. Course – POs & PSOs Matrix available for Direct Attainment?				✓	_
	b. Course – POs & PSOs Matrix available for Indirect Attainment		1			
	c. Does the submitted proof is relevant and sufficient for the eva	luation?		1		
	Comments:  NAAC related documents are available for direct attainment.					
	Suggestions for Improvement:			· · · · · · · · · · · · · · · · · · ·	***************************************	
	Evidence related to the indirect attainment suggested to impro	ve.				

S/N	Criteria	Relevance	Evaluation					
I. Self-	Evaluation and Reflection							
15.	Action Taken based on the results of evaluation of each of the COs, POs and PSOs	NBA 3.3	Not Evident	Emerging	Established	Highly Developed		
	a. Is there any analysis of weakness in the program based on the analysis of evaluation of COs, POs & PSOs attainment level available?			✓				
	b. Are there any measures identified and implemented to improve POs & PSOs attainment level through curriculum intervention and pedagogical initiatives?		<b>✓</b>		-			
	c. Does the submitted proof is relevant and sufficient for the evaluation?			✓				
	Comments: Initiative regarding CO, PO, PSOs attainment is required.							
	Suggestions for Improvement:  Measures to improve POs and PSOs may be identified with respect to subjects during department meeting.							

S/N	Criteria	Relevance	Evaluation				
J. Stuc	dents Progression						
16.	Placement/Higher Education/ State/ National/International level examinations	NAAC 5.2.1, 5.2.2, 5.2.3 NBA 4.5	Not Evident	Emerging	Established	Highly Developed	
	a. Placement of outgoing students				<b>√</b>		
	b. Students progressing to Higher Education			✓			
	c. Students Qualifying in GATE/CAT/TOEFL/Civil Services/State Government exam		<b>√</b>				
	Comments: One student studying in TCE, Madurai.						
	Suggestions for Improvement: Placement proof like ID Card may be collected from students.						
, is			ě				

/N	Criteria	Relevance	Evaluation			
Stuc	dent Participation and Activities					
L <b>7.</b>	Co-curricular and Extra-curricular activities	NAAC 5.3.1, 5.3.3 NBA 4.6.1, 4.6.3	Not Evident	Emerging	Established	Highly Developed
	a. Awards and Medals for outstanding performance in Sports	a. Awards and Medals for outstanding performance in Sports		✓		_
	b. Awards and Medals for outstanding performance in Cultural			<b>√</b>		
	. Participation in Inter-Institution Events at other Institutions			<b>√</b>		
	d. Professional Society/ Chapters and organizing engineering even			<b>√</b>		
	Comments: Professional society organized events available.	i e				
	Suggestions for Improvement:  Membership for present students in Professional societies are	suggested.				UT .

1		Dalaussa				
Stude	Criteria	Relevance		uation		
	ent Support Systems					
-	Services and resources provided to students to enhance their overall well-being.	NBA 9.1, 9.3, 9.4, 9.5, 9.6	Not Evident	Emerging	Established	Highly Developed
L	a. Mentoring system helps students at individual level			<b>√</b>		
	b. Is there any proof available for students' feedback on facilities	5		<b>√</b>		
	c. Students involvement in Self Learning			<b>√</b>		
(	d. Programmes/Initiatives for Career Guidance			<b>√</b>		
6	e. Entrepreneurship Development			<b>√</b>		
- 1	Comments: Students self-learning required to improve.				<u> </u>	
S	Suggestions for Improvement:					
E	ffective utilization of digital library.					

S/N	Criteria	Relevance		Evalı	uation		
M. Stu	dent Projects						
19.	Quality of the students' Projects	NBA 2.2.3, 6.4	Not Evident	Emerging	Established	Highly Developed	
	a. Is the list of students' final year projects and individual project mapped with POs and PSOs checked?			✓			
	b. Publications from final year projects			✓	-		
Ī	c. Students undertaking field projects/internships			✓			
	Comments: Conference and UGC care List publications are available.						
-   :	Suggestions for Improvement:  1.Detailed mapping of student's projects with Pos and PSOs may be improved.  2.External guide may include for student's internship projects.						

N	Criteria	Delevenes						
Stu	dent Projects	Relevance		Evalu	ation			
0.			and the same of th					
Ο.	Quality of the students' Projects	NBA 2.2.3, 6.4	Not Evident	Emerging	Established	Highly Developed		
	a. Is there a clear guidance exist for the final year project selection and allocation?			✓				
	b. Is there any evidence for the supervision of faculty during the progression of the project available?			<b>√</b>				
	c. Is there any proof for planning and management of the project	ct available?	1					
	d. Do the projects carried out are as per the standards and appropriate in satisfying the Learning Outcomes?							
	e. Does each student in the group project have a clearly specified aim and objective for his or her part of the project and Individual contribution detailed in the project report?			<b>√</b>				
	f. Does the Project Assessment contain a series of assessment s performance and contribution of each student?	tages to assess the			<b>√</b>			
	g. Is there a differentiated marking scheme observable for indiv group project?	vidual students in a		<b>V</b>				
	h. Are the projects effectively contributing to the achievements Outcomes in the areas of Design, Economic, Legal, Social, Ethic Environmental context, and engineering practice?	s of Learning al and	1					
	Comments:  Learning outcomes in the social, ethical and environmental context require more attention.							
	Suggestions for Improvement:	Suggestions for Improvement:						
	External experts (Industry, Alumni) may be invited for project	t evaluation.						
	, and the project							

S/N	Criteria	Relevance		Evalu	uation	
N. Indi	ustry Connect	J				The state of the s
21.	Initiatives related to industry interaction, industry internship/summer training	NBA 2.2.4 NAAC 3.5.1, 3.5.2	Not Evident	Emerging	Established	Highly Developed
	a. Is there any proof for industry related initiatives, implementation details and impact analysis available for the Department?			✓		
	b. Are there any Industry linked laboratories available in the Dep	✓				
	c. Is there evidence for effective utilization of industry linked laboratories?					
	d. Are there any courses partially/fully delivered by Industrial ex	pert?	✓			
	e. Percentage of students undergoing Industry Internship/summ Department is up to the mark?		✓			
	f. Does the submitted proof is relevant and sufficient for the eva	f. Does the submitted proof is relevant and sufficient for the evaluation?				
٠	Comments:  Encourage students to do projects linked to industries.	٠	•			
	Suggestions for Improvement: Credits for Internship and training courses may be included.					

S/N	Criteria	Relevance	Evaluation			
O. Fac	ulty Information and Contribution					
22.	Faculty qualification and experience/Contribution to the improvement of student learning/Training programmes	NBA 5.2 to 5.6, 5.7.1 to 5.7.4, 5.8, 5.9	Not Evident	Emerging	Established	Highly Developed
	a. Faculty Cadre Proportion		✓			
	b. Faculty Qualification			✓		
	c. Faculty Retention			✓		
	d. Innovations by the Faculty in Teaching and Learning		✓			
	e. Faculty participation in FDP/STTP			✓		
	Comments: Innovative teaching learning is required.					

LIMMARK	de maria de la como	The second secon
UKKE21	ions tor	Improvement:
00		"inbrovellight:
	4	,

Faculty retention and cadre into needs improvement.
 Innovative techniques like Models and MOOC Courses may be introduced.

S/N	Criteria	Relevance		Evalu	ıation	
O. Fac	ulty Enrollment Strategies					
23.	Faculty Empowerment Strategies	NAAC 6.3.3, 6.3.4, 6.4.2	Not Evident	Emerging	Established	Highly Developed
	a. Professional Development/ Administrative training programs organized by the institution			<b>√</b>		
	b. Undergone Online/ face to face FDPs			<b>√</b>		
	c. Funds/ Grants received from NGOs/Individuals/Philanthropers		1			
	Comments: Detailed proof is required for administrative training programs.					
	Suggestions for Improvement: Students projects may be converted into prototypes for receivi	ng funds and grants	<b>5.</b>			

S/N	Criteria	Relevance	Evaluation						
O. Res	Research & Innovation								
24.	Research Mobilization & Innovation Ecosystem	NAAC 3.1.1, 3.1.2, 3.1.3, 3.2.2, 3.3.3	Not Evident	Emerging	Established	Highly Developed			
	a. Grants received from Govt/ NGO agencies for research project		✓						
	b. Recognized Research guides		<b>√</b>						
	c. Workshop/Seminar conducted on research methodology, IPR a Entrepreneurship	and		<b>√</b>					
	d. Books and chapters in edited volumes/books published and paper published in National/International conference proceedings			<b>√</b>					
	Comments: SCI/UGC papers are published.								

Suggestions for Improvement:	
Complete the improvement.	
Suggested to improve nublications.	social relevance in highly indexed journals.
which a banifatious M	Social relevance in highly indexed journals.
	mana mana jeuniuloi



/N	Criteria	Relevance		Eval	uation					
	dustry Connect Evaluation									
25.	Initiatives related to industry- interactions	NBA 2.2.4, 2.2.5	Not Evident	Emerging	Established	Highly Developed				
	a. Industry involvement in curriculum design and impact analysis	S		<b>√</b>		2010,000				
	b. Industrial training for students and faculty members			<b>√</b>						
	c. Internships			<b>√</b>						
	d. Industrial projects			<b>√</b>						
	e. Industry supported labs	٨	<b>√</b>							
	f. Industry visits by Students / Faculty members			<b>√</b>						
	g. Industrial expert speakers			<b>√</b>						
	h. Industrial courses		<b>√</b>							
	i. Consultancy		<b>√</b>							
	Comments: Industrial courses and consultancy need to improved.									
	Suggestions for Improvement: Structural Engineering Lab may be converted to research and co	nsultancy services.								

Please provide the following details, relevant to the Department in the space provided below:

### A. Strengths:

- 1. Good faculty coordination's.
- 2. Good Infrastructures.

- B. Weaknesses:
- 1. Evaluation Procedures for the Examinations may be improved (Internal may be Inclueded)
- C. Opportunities:
- 1. Students projects can be funded with seed money from management to encourage them.
- D. Challenges:
- 1. Self-Evaluations and Attainments needs improvement.
- E. Concluding remarks related to Academic Performance of the Department:

1. Available Proofs are to be aligned with respect to NBA re 2. NPTFL Course can be Used for	equirements.  Course dropping ad creditized with 1 f1.	saidit back on the durahlad
Details of the External Auditor:		the lourse.
Name: Dr.J.Jeyanthi.	Faculty profile link: mepcoeng.ac.in/jeyanthij	
Designation: Associate Professor	Contact mail id: jjeyanthi15@mepcoeng.ac.in	
Department: Civil Engineering	Contact Number: 9486278347	
Institute: Manca Schlank Engineering College (Autonomou	s) Siyakaci	

Institute: Mepco Schlenk Engineering College (Autonomous), Sivakasi.

Signature of the Auditee

Dr- RIBASBAR

Signature of the Auditor

150 8901,2015 Cartified | Approved by All India Council for Technical Education, New Dolln! | Affiliated to Anna Siniversity (Chennal



### INTERNAL QUALITY ASSURANCE CELL

### ACADEMIC AND ADMINISTRATIVE AUDIT FOR THE ACADEMIC YEAR 2023 - 2024

# **Audit Report**

**Department:** Computer Science and Engineering

Date of Audit: 27.07.2024

5/N	Criteria	Relevance	Evaluation			
A. Visi	on, Mission and PEOs					
1.	State the Vision, Mission of the Department and Institute and Prgramme Educational Objectives	NBA 1.1	Not Evident	Emerging	Established	Highly Developed
	a. Does the Vision indicate the aspirations of the department?			✓		
	b. Does the Mission statements help to achieve the Vision of the		✓			
	-					
	- Suggestions for Improvement:					

Page 1 of 16

/N	Criteria	Criteria						
		Relevance	uation					
	on, Mission and PEOs							
2.	Indicate whether the Vision, Mission and PEOs are published and disseminated among the stakeholders.	NBA 1.3/1.4 NAAC 2.6.1	Not Evident	Emerging	Established	Highly Developed		
	a. Does the Vision, Mission and PEOs are available in Department, Institution's website & curriculum?				· ·			
	b. Any effective process implementation in practice to ensure awareness about Vision, Mission and PEOs to internal and external stakeholders?			✓				
	Comments:		-l		3			
	Suggestions for Improvement:							

S/N	Criteria	Relevance	rance Evaluation						
A. Visi	. Vision, Mission and PEOs								
3.	Establish consistency of PEOs with Mission of the Department NBA 1.5		Not Evident	Emerging	Established	Highly Developed			
	a. Mission Vs PEOs matrix exists for the Department.			✓					
	b. Is the matrix sufficient to establish the consistency of PEOs with N Departments?			✓					
	Comments:		Á						
	-								
	Suggestions for Improvement:								
	-								

S/N	Criteria Relevance Evaluation								
B. Cur	Curriculum Design and Development								
4.	Structure of the Curriculum, Planning, Implementation and Evaluation processes	NAAC 1.1.2, 1.1.3	Not Evident	Emerging	Established	Highly Developed			
	a. Establishment of Curriculum Development Committee	a. Establishment of Curriculum Development Committee			<b>√</b>	эстегореа			
	b. Any proof for reviewing and updating the content of the courses from time to time?			<b>√</b>					
	c. Adherence to academic calendar			<b>√</b>					
	d. Participation of faculty members related to curriculum devel assessment		<b>√</b>						
	Comments:		, <sub>20,00</sub>						
	- -								
	Suggestions for Improvement:								
	Suggested to incorporate the fresher faculty OBE training programme and skill development programme								

S/N	Criteria	Relevance	Evaluation			
	demic Flexibility				T	1 timble
5.	Curriculum provides additional choice of courses to meet the	NAAC 1.2.2, 1.2.3	Not Evident	Emerging	Established	Highly Developed
		Learning options provided for meeting out the industrial requirements				
	b. If so, whether majority of the students got benefitted?			<b>√</b>		
	Comments:					
	It was identified with only two elective was offered per class.					
						The state of the s
	Suggestions for Improvement:					

S/N	Criteria 🐧	Relevance	<b>(0</b>	Eval	uation			
D. Tea	ching Learning Process		- V.S.					
6.	Methodologies used for enhancing learning experiences	NBA 2.1.2, 2.2.1 NAAC 2.3.1	Not Evident	Emerging	Established	Highly Developed		
	a. Is there any proof for Experiential learning/Participative learning/Problem solving methodologies			<b>√</b>				
	b. Delivery details of content beyond syllabus satisfies the industrial expectations			1				
	c. Does the submitted proof is relevant and sufficient for the evaluation			<b>√</b>				
	Comments: -							
	Suggestions for Improvement:							
	Flipped classroom and blended learning is suggested for one c	ourse delivery.						

S/N	Criteria	Relevance		Evalu	uation			
D. Tea	ching Learning Process							
7.	ICT for effective teaching with Learning Management Systems (LMS), E-Learning resources, etc.	NBA 2.2.1 NAAC 2.3.2	Not Evident	Emerging	Established	Highly Developed		
	a. Is there any proof for teachers using ICT facilities in the department for effective teaching?		<b>✓</b>			ţ,		
	b. Is there proof for faculty members using LMS for the conduction of classes?		<b>✓</b>					
	c. Is there proof for faculty members using E-Learning resources for effective teaching?			✓				
	d. Does the submitted proof is relevant and sufficient for the evaluation?			<b>√</b>				
	Comments:							
					ingglis-reggi Makakan piranjiki merinakan megapanakan nggi salah dalah			
	Suggestions for Improvement:							
	Suggested to explore and use the ICT tools for course delivery.							

S/N	Criteria	Relevance	Evaluation				
E. Tea	ching Learning and Evaluation					The second secon	
8.	Quality of end semester examination, periodical test question papers, assignments, and evaluation	NBA 2.2.2	Not Evident	Emerging	Established	Highly Developed	
	a. Number of End Semester Examination Question Papers Analys		✓		The second secon		
	b. Number of Periodical Examination Question Papers Analyzed (Min.50%)			<b>✓</b>			
	c. Number of Course Files verified (at least one sample for each			<b>✓</b>			
	Comments: OOPS, Computer Networks, Python Programming and Mobile Application course files audited.						
	Suggestions for Improvement:  Course plan need to have assessment weightage which is missin	g in all course files.					

S/N	Criteria	Relevance		Eval	uation	
F. Asse	ssment					-
9.	Quality of Assessment	NBA 2.2.2	Not Evident	Emerging	Established	Highly Developed
	a. Is the Standard, Appropriateness and Challenge of Examination Question Papers Satisfactory?			✓		
	b. Is there a Clear and Transparent Marking Criteria available for all the Courses?			✓		
	c. Does the distribution of marks between End Semester Examination and Continuous Evaluation are well balanced?			<b>√</b>		
	d. Is there a well-established Regulation exist for the students to the Assessment, Credit Scheme, Moderation, Condonement and		✓			
	Comments: Assessment pattern to be improved.					
	Suggestions for Improvement:  To have twice pattern of the internal assessments.					

S/N	Criteria						
	dback	Relevance		Evalu	uation		
-	араск						
10.	Student feedback on Teaching Learning process	NBA 2.2.1 NAAC 2.7.1	Not Evident	Emerging	Established	Highly	
	a. Is there any proof available for students' feedback on Teaching Learning process?				1	Developed	
1	b. Is the action planned based on the feedback?		<b>/</b>				
	c. Does the submitted proof is relevant and sufficient for the evaluation?			<b>√</b>			
	Comments:						
	Feedback Collected. Twice feedback needs to be analyzed and action to be taken appropriately.						
	Suggestions for Improvement:						

5/N	Criteria	Relevance		Evalu	ation	
. Atta	ninment of POs, COs & PSOs		<u>L</u>			
11.	Establish the correlation between the courses and the Program Outcomes (POs) & Program Specific Outcomes (PSOs)	NBA 3.1	Not Evident	Emerging	Established	Highly Developed
	a. Course Articulation Matrix Exists for the Department?			✓		
	b. Program Articulation Matrix Exists for the Department?	xists for the Department?		✓		
12	c. Are the matrices sufficient to establish correlation between the & PSOs?	courses and POs		✓		
0	Comments: Targets to be fixed for the individual courses. No CO and PO targets are fixed in the course plan.					
	Suggestions for Improvement: Correction to be done in the course file.					

S/N	Criteria 👝	Relevance		Eval	uation			
H. Atta	ninment of POs, COs & PSOs		/					
12.	Describe the assessment tools and process used to gather the data upon which the evaluation of COs, each POs and PSOs is based.	NBA 3.2/3.3 NAAC 2.6.2	Not Evident	Emerging	Established	Highly Developed		
	a. Are the Assessment tools, question and rubrics used to measure students' learning and course outcomes are clear, sufficient and exemplified?			<b>√</b>				
	b. Are the Assessment tools, process for POs and PSOs are clear, sufficient and exemplified?			<b>√</b>				
	c. Is the process of Data collection, analysis and presentation for sufficient and exemplified?	<b>√</b>						
	Comments:							
	To be improved for CO, PO and PSO attainment targets and to be implemented accordingly.							
ŀ	Suggestions for Improvement:							
	-							

S/N	Criteria	Relevance		Evalu	ıation	
H. Att	ainment of POs, COs & PSOs					
13.	Record the attainment of Course Outcomes of courses with respect to set attainment levels.	NBA 3.2 NAAC 2.6.2	Not Evident	Emerging	Established	Highly Developed
	a. Are Course Outcome targets set and well established for the courses with proper justification?		<b>✓</b>			
	b. Are the attainment level of the Course Outcomes submitted are satisfactory for all the courses?		<b>✓</b>			
	c. Are the action plan satisfactory for courses with COs not attain	ied?		<b>√</b>		
	Comments: To be improved as per the S.No.12 mentioned					
i de	Suggestions for Improvement:					

S/N	Criteria	Relevance		Fyali	uation			
H. Atta	ainment of POs, COs & PSOs			LVOI	aution			
14.	Provide results for evaluation of each PO & PSO	NBA 3.3	BA 3.3 Not Evident Emerging Estab		Established	Highly Developed		
	a. Course – POs & PSOs Matrix available for Direct Attainment?			✓				
	b. Course – POs & PSOs Matrix available for Indirect Attainment?			<b>√</b>				
	c. Does the submitted proof is relevant and sufficient for the evaluation?				1			
	Comments:							
	Attainment targets to be fixed and to be acted accordingly.							
	g and the desired desired lingly.							
	Suggestions for Improvement:							
	-							
1								

S/N	Criteria	Relevance		Evaluation		
I. Self-	Evaluation and Reflection					
15.	Action Taken based on the results of evaluation of each of the COs, POs and PSOs	NBA 3.3	Not Evident	Emerging	Established	Highly Developed
	a. Is there any analysis of weakness in the program based on the analysis of evaluation of COs, POs & PSOs attainment level available?			✓		
	b. Are there any measures identified and implemented to improve POs & PSOs attainment level through curriculum intervention and pedagogical initiatives?			✓		
	c. Does the submitted proof is relevant and sufficient for the eva		✓			
	Comments:					
, 1 - 31	Suggestions for Improvement:				2	= 4

S/N	Criteria	Relevance		Eval	uation	The state of the s
. Stud	ents Progression	A MARTINE STANDARD CONTROL OF MATERIAL AND A STANDARD CONTROL OF CONTROL CONTROL	- Same			The second desired of the second of the seco
16.	Placement/Higher Education/ State/ National/International level examinations	NAAC 5.2.1, 5.2.2, 5.2.3 NBA 4.5	Not Evident	Emerging	Established	Highly Developed
	a. Placement of outgoing students			<b>✓</b>		A STATE OF THE PERSON NAMED IN COLUMN 1991
	b. Students progressing to Higher Education			✓		The second secon
	c. Students Qualifying in GATE/CAT/TOEFL/Civil Services/State Government exam Comments:		<b>✓</b>			
	One few placement offer letters were audited.  Many offer letter contains trainee designation.					
	Suggestions for Improvement:  Actual job offer letter to be collected once they successfully com			ř		

S/N	Criteria	Relevance		Eval	uation	
K. Stu	dent Participation and Activities					
17.	Co-curricular and Extra-curricular activities	NAAC 5.3.1, 5.3.3 NBA 4.6.1, 4.6.3	Not Evident	Emerging	Established	Highly Developed
1.5	a. Awards and Medals for outstanding performance in Sports			✓		A
	b. Awards and Medals for outstanding performance in Cultural			✓		
	c. Participation in Inter-Institution Events at other Institutions			✓		
	d. Professional Society/ Chapters and organizing engineering events					
	Comments: Overall, all activities under S.No.17 to be improved.					
	Suggestions for Improvement:	0				
				a see		

S/N	Criteria	Relevance		Fyalı	ation	
L. Stuc	ent Support Systems			LYGIC		
18.	Services and resources provided to students to enhance their overall well-being.	NBA 9.1, 9.3, 9.4, 9.5, 9.6	Not Evident	Emerging	Established	Highly Developed
	a. Mentoring system helps students at individual level		<b>✓</b>			
	b. Is there any proof available for students' feedback on facilities	?S	<b>✓</b>			
	c. Students involvement in Self Learning		<b>✓</b>			
	d. Programmes/Initiatives for Career Guidance			<b>√</b>		
	e. Entrepreneurship Development		<b>✓</b>			
	Comments:		<u></u>	1		
	To be improved with more career development training.					
	Suggestions for Improvement:					

S/N	Criteria	Relevance		Evalu	ıation	
M. Stu	dent Projects					1
19.	Quality of the students' Projects	NBA 2.2.3, 6.4	Not Evident	Emerging	Established	Highly Developed
	a. Is the list of students' final year projects and individual project POs and PSOs checked?	t mapped with		<b>√</b>		
	b. Publications from final year projects			<b>√</b>		
	c. Students undertaking field projects/internships			<b>✓</b>		
	Comments:					
	Suggestions for Improvement: Suggested to take the SIH problem statements for the project w	vork.	,			

1	Criteria	Relevance		Evalu	uation	
	dent Projects	1	1			
	Quality of the students' Projects	NBA 2.2.3, 6.4	Not Evident	Emerging	Established	Highly Developed
	a. Is there a clear guidance exist for the final year project selection and allocation?			✓		эстегорец
	b. Is there any evidence for the supervision of faculty during the progression of the project available?				1	
	c. Is there any proof for planning and management of the projec	ct available?		✓		
	d. Do the projects carried out are as per the standards and appropriate in satisfying the Learning Outcomes?			<b>√</b>		
	e. Does each student in the group project have a clearly specified aim and objective for his or her part of the project and Individual contribution detailed in the project report?			<b>*</b>		
	f. Does the Project Assessment contain a series of assessment stages to assess the performance and contribution of each student?			~		
	g. Is there a differentiated marking scheme observable for indivigroup project?	dual students in a		<b>√</b>		
	h. Are the projects effectively contributing to the achievements of Learning Outcomes in the areas of Design, Economic, Legal, Social, Ethical and Environmental context, and engineering practice?			<b>√</b>		-
1	Comments:					
	-					
	Suggestions for Improvement:					
	-					

S/N	Criteria	Relevance		Fyalı	uation	The same of the sa
N. Ind	ustry Connect					
21.	Initiatives related to industry interaction, industry internship/summer training	NBA 2.2.4 NAAC 3.5.1, 3.5.2	Not Evident	Emerging	Established	Highly Developed
	a. Is there any proof for industry related initiatives, implementation details and impact analysis available for the Department?		<b>√</b>			
	b. Are there any Industry linked laboratories available in the Department?		✓			
	c. Is there evidence for effective utilization of industry linked laboratories?		<b>✓</b>			
	d. Are there any courses partially/fully delivered by Industrial expert?		1			
	e. Percentage of students undergoing Industry Internship/summer training in the Department is up to the mark?			✓		
	f. Does the submitted proof is relevant and sufficient for the evaluation?			<b>✓</b>		
	Comments: Very less industry interaction was identified.				<u> I</u>	J
	Suggestions for Improvement: Suggested to connect with more industry for academy industry collaboration.					

S/N	Criteria	Relevance		Evalu	ation	
O. Fac	ulty Information and Contribution					
22.	Faculty qualification and experience/Contribution to the improvement of student learning/Training programmes	NBA 5.2 to 5.6, 5.7.1 to 5.7.4, 5.8, 5.9	Not Evident	Emerging	Established	Highly Developed
	a. Faculty Cadre Proportion				<b>✓</b>	
	b. Faculty Qualification			1		
	c. Faculty Retention			<b>√</b>		
	d. Innovations by the Faculty in Teaching and Learning			<b>√</b>		
	e. Faculty participation in FDP/STTP			<b>✓</b>		
	Comments:					
	Suggested to link with more industry for collaboration					
	Suggestions for Improvement:					and the second s

S/N	Criteria	Relevance		Eval	uation		
	ulty Enrollment Strategies	l					
23.	Faculty Empowerment Strategies	NAAC 6.3.3, 6.3.4, 6.4.2	Not Evident	Emerging	Established	Highly Developed	
	a. Professional Development/ Administrative training programs institution	organized by the	✓			,	
	b. Undergone Online/ face to face FDPs						
	c. Funds/ Grants received from NGOs/Individuals/Philanthropers	S	<b>✓</b>				
	Comments: No funding and NGO activities identified.						
	Suggestions for Improvement:						
	Given few list for faculty skill enhancement.						
	Siver lew list for faculty skill enhancement.						

S/N	Criteria	Relevance		Evalı	uation	
O. Res	earch & Innovation					
24.	Research Mobilization & Innovation Ecosystem	NAAC 3.1.1, 3.1.2, 3.1.3, 3.2.2, 3.3.3	Not Evident	Emerging	Established	Highly Developed
	a. Grants received from Govt/ NGO agencies for research project		<b>V</b>			
	b. Recognized Research guides			<b>√</b>		
	c. Workshop/Seminar conducted on research methodology, IPR and Entrepreneurship			✓		
	d. Books and chapters in edited volumes/books published and paper published in National/International conference proceedings		<b>✓</b>			
	Comments: Faculty need to go for Book Publication, Patterns and Jou	rnal Publications.				
- "	Suggestions for Improvement:					

S/N	Criteria	Relevance		Fyalı	uation	The state of the s
	stry Connect					
25.	Initiatives related to industry- interactions	NBA 2.2.4, 2.2.5	Not Evident	Emerging	Established	Highly Developed
	a. Industry involvement in curriculum design and impact analysi	is		✓		Бетегорец
	b. Industrial training for students and faculty members			<b>√</b>		
	c. Internships			<b>√</b>		
	d. Industrial projects		<b>✓</b>			
	e. Industry supported labs		✓			
	f. Industry visits by Students /Faculty members			✓		
	g. Industrial expert speakers			<b>√</b>		
	h. Industrial courses		<b>✓</b>			,
	i. Consultancy		✓			
	Comments: Suggested few activities to be initiated immediately for the imp	rovements.				L.
	Suggestions for Improvement:					uma usunda ari 4 Aurona di merundungan

Please provide the following details, relevant to the Department in the space provided below:

### A. Strengths:

Good lab system, faculty maintain their course file properly, have good campus environment for student and faculty.

- 1. Course file few details missing.
  - 2. Industry linkage.
  - 3. Specialized labs
  - 4. Research centre, Activities, Publication.
  - 5. Feedback action taken reports and follow-up actions
  - C. Opportunities:
  - 1. Industries mention for collaboration.
  - 2. Funded projects.
  - 3. CoE (Centre of Excellence)
  - 4. Alumni Interaction
  - 5. Consultancy projects.
  - D. Challenges:
  - 1. Specialized lab for faculty and student research.
  - 2. Faculty research centre

E. Concluding remarks related to Academic Performance of the Department:

Satisfactory. Suggestion given for improvements to be completed as soon as possible.

Details of the External Auditor:	
Name of Kanserry	Faculty profile link:
Designation: $68-21$	Contact mail id: Karcson & ig. coel kct. ao.iv
Department: CSE	Contact Number: 9788466699.
Institute: Kumaracuru College of	sethnopoli

Signature of the Auditee 27/7/24

Dr M. INDRA DEVI

Signature of the Auditor

NBA Accredited (B.E. - CSE, ECE, EEE & Mechanical Engr.) | Accredited by NAAC with 'A' Grade | Recognized by UGC under 2 (f) ISO 9001:2015 Certified | Approved by All India Council for Technical Education, New Delhi | Affiliated to Anna University, Chennai



#### INTERNAL QUALITY ASSURANCE CELL

#### ACADEMIC AND ADMINISTRATIVE AUDIT FOR THE ACADEMIC YEAR 2023 - 2024

## **Audit Report**

**Department:** Information Technology

Date of Audit: 27.07.2024

S/N	Criteria	Relevance	Evaluation			
A. Vision, Mission and PEOs  1. State the Vision, Mission of the Department and Institute and Prgramme Educational Objectives a. Does the Vision indicate the aspirations of the department? b. Does the Mission statements help to achieve the Vision of the department?  Comments:  - Suggestions for Improvement:						
1.		NBA 1.1	Not Evident	Emerging	Established	
	a. Does the Vision indicate the aspirations of the department?			✓		
	b. Does the Mission statements help to achieve the Vision of the	department?		<b>√</b>	,	
	Comments:				- 6	
	Suggestions for Improvement:					
	Need to maintain proof for PO attainment.					

S/N	Criteria	Relevance		Evalu	uation	
A. Visi	on, Mission and PEOs					
2.	Indicate whether the Vision, Mission and PEOs are published and disseminated among the stakeholders.	NBA 1.3/1.4 NAAC 2.6.1	Not Evident	Emerging	Established	Highly Developed
	a. Does the Vision, Mission and PEOs are available in Department, Institution's website & curriculum?				~	
	b. Any effective process implementation in practice to ensure awareness about Vision, Mission and PEOs to internal and external stakeholders?			<b>~</b>		
	Comments:					
	Suggestions for Improvement:					
	Suggested to conduct stakeholders meeting twice in a year to ide	entify the gaps.				

S/N	Criteria	Relevance		Evalu	uation	
A. Visi	on, Mission and PEOs					
3.	Establish consistency of PEOs with Mission of the Department NBA 1.5		Not Evident	Emerging	Established	Highly Developed
	a. Mission Vs PEOs matrix exists for the Department.			<b>✓</b>		
	b. Is the matrix sufficient to establish the consistency of PEOs with Departments?	h Mission of the		<b>V</b>		
	Comments:					
	-					
	Suggestions for Improvement:					
	-					

Academic and Administrative Audit

Page 2 of 16

**External Audit Report** 



S/N	Criteria	Relevance		Eval	uation				
3. Cur	riculum Design and Development								
4.	Structure of the Curriculum, Planning, Implementation and Evaluation processes	NAAC 1.1.2, 1.1.3	Not Evident	Emerging	Established	Highly Developed			
	a. Establishment of Curriculum Development Committee			1					
	b. Any proof for reviewing and updating the content of the courses from time to time?			1	The control of the co				
	c. Adherence to academic calendar			1					
	d. Participation of faculty members related to curriculum devel assessment	and the state of t	1	A first and a firs					
	Comments:								
	Suggestions for Improvement:								
	Suggested to incorporate the fresher faculty OBE training programme and skill development programme								

S/N	Criteria	Relevance		Evalu	ation	
C. Aca	demic Flexibility					
5.	Curriculum provides additional choice of courses to meet the students' needs	NAAC 1.2.2, 1.2.3	Not Evident	Emerging	Established	Highly Developed
	a. Learning options provided for meeting out the industrial requirements			<b>*</b>		
	b. If so, whether majority of the students got benefitted?		1			
	Comments:					
	It was identified with only two elective was offered per class.					
	Suggestions for Improvement:		and the state of t	article and the second		
	Suggested to have more elective papers for enhanced learning					
						Marin San San San San San San San San San Sa

Academic and Administrative Audit

S/N	Criteria	Relevance		Evalu	ration				
D. Tea	ching Learning Process								
6.	Methodologies used for enhancing learning experiences	NBA 2.1.2, 2.2.1 NAAC 2.3.1	Not Evident	Emerging	Established	Highly Developed			
	a. Is there any proof for Experiential learning/Participative lear solving methodologies	TO THE PERSON NAMED IN COLUMN TO THE	7,	Committee of the Commit					
	b. Delivery details of content beyond syllabus satisfies the industrial expectations			1					
	c. Does the submitted proof is relevant and sufficient for the e		1						
	Comments: -								
	Suggestions for Improvement:								
	Flipped classroom and blended learning is suggested for one course delivery.								

S/N	Criteria	Relevance	Evaluation			
D. Tea	ching Learning Process				And the second s	
7.	ICT for effective teaching with Learning Management Systems (LMS), E-Learning resources, etc.	NBA 2.2.1 NAAC 2.3.2	Not Evident	Emerging	Established	Highly Developed
	a. Is there any proof for teachers using ICT facilities in the department for effective teaching?		~			
	b. Is there proof for faculty members using LMS for the conduction of classes?		1			
	c. Is there proof for faculty members using E-Learning resources for effective teaching?			1		
	d. Does the submitted proof is relevant and sufficient for the eva		1			
	Comments:					
	Suggestions for Improvement:				The second secon	
	Suggested to explore and use the ICT tools for course delivery.					



S/N	Criteria	Relevance		Eval	uation			
E. Tea	ching Learning and Evaluation							
8.	Quality of end semester examination, periodical test question papers, assignments, and evaluation	NBA 2.2.2	Not Evident	Emerging	Established	Highly Developed		
	a. Number of End Semester Examination Question Papers Analyz		✓					
	b. Number of Periodical Examination Question Papers Analyzed (Min.50%)			✓		e e		
	c. Number of Course Files verified (at least one sample for each y	(at least one sample for each year is required)			1			
	Comments: OOPS, Computer Networks, Python Programming and Mobile Application course files audited.							
	Suggestions for Improvement: Course plan need to have assessment weightage which is missing				-			

V	Criteria	Relevance		Evalu	uation	
sses	ssment					
	Quality of Assessment	NBA 2.2.2	Not Evident	Emerging	Established	Highly Developed
	a. Is the Standard, Appropriateness and Challenge of Examination Question Papers Satisfactory?			<b>V</b>		
	b. Is there a Clear and Transparent Marking Criteria available for all the Courses?			✓		
	c. Does the distribution of marks between End Semester Examination and Continuous Evaluation are well balanced?		-	<b>~</b>		
- 1	d. Is there a well-established Regulation exist for the students to get clarity about the Assessment, Credit Scheme, Moderation, Condonement and Marking			<b>√</b>		
	Comments: Assessment pattern to be improved.				- 25 Te	
1	Suggestions for Improvement:					
	To have twice pattern of the internal assessments.					

S/N	Criteria	Relevance		Evaluation				
G. Fee	dback							
10.	Student feedback on Teaching Learning process	NBA 2.2.1 NAAC 2.7.1	Not Evident	Emerging	Established	Highly Developed		
	a. Is there any proof available for students' feedback on Teaching Learning process?				~			
	b. Is the action planned based on the feedback?		1					
	c. Does the submitted proof is relevant and sufficient for the evaluation?			✓				
	Comments:							
	Feedback Collected. Twice feedback needs to be analyzed and action to be taken appropriately.							
	Suggestions for Improvement:							
	-							

S/N	Criteria	Relevance	Evaluation			
l. Atta	ainment of POs, COs & PSOs					
11.	Establish the correlation between the courses and the Program Outcomes (POs) & Program Specific Outcomes (PSOs)	NBA 3.1	Not Evident	Emerging	Established	Highly Developed
	a. Course Articulation Matrix Exists for the Department?			✓		
	b. Program Articulation Matrix Exists for the Department?			✓		
	c. Are the matrices sufficient to establish correlation between the courses and POs & PSOs?			<b>✓</b>		2
	Comments: Targets to be fixed for the individual courses. No CO and PO targets are fixed in the course plan.					
	Suggestions for Improvement:  Correction to be done in the course file.					



12.	Describe the assessment tools and process used to gather the data upon which the evaluation of COs, each POs and PSOs is based.	NBA 3.2/3.3 NAAC 2.6.2	Not Evident	Emerging	Established	Highly Developed		
	<ul> <li>a. Are the Assessment tools, question and rubrics used to measure students' learning and course outcomes are clear, sufficient and exemplified?</li> <li>b. Are the Assessment tools, process for POs and PSOs are clear, sufficient and exemplified?</li> </ul>			<b>√</b>				
			-	<b>√</b>				
	c. Is the process of Data collection, analysis and presentation for sufficient and exemplified?	<b>V</b>			ii H			
	Comments:  To be improved for CO, PO and PSO attainment targets and to be implemented accordingly.							
	Suggestions for Improvement:							

S/N	Criteria	Relevance	Evaluation			
H. Atta	ninment of POs, COs & PSOs					
13.	Record the attainment of Course Outcomes of courses with NBA 3.2 respect to set attainment levels. NAAC 2.6.2		Not Evident	Emerging	Established	Highly Developed
	a. Are Course Outcome targets set and well established for the courses with proper justification?		<b>~</b>			
	b. Are the attainment level of the Course Outcomes submitted are satisfactory for all the courses?		<b>~</b>			
	c. Are the action plan satisfactory for courses with COs not attained?			<b>√</b>		
	Comments: To be improved as per the S.No.12 mentioned					
	Suggestions for Improvement:			3		



S/N	Criteria	Relevance		Eval	uation			
H. Atta	ainment of POs, COs & PSOs							
14.	Provide results for evaluation of each PO & PSO	NBA 3.3	Not Evident	Emerging	Established	Highly Developed		
	a. Course – POs & PSOs Matrix available for Direct Attainment?		✓					
	b. Course – POs & PSOs Matrix available for Indirect Attainment		✓					
	c. Does the submitted proof is relevant and sufficient for the evaluation?				<b>✓</b>			
	Comments:							
	Attainment targets to be fixed and to be acted accordingly.							
	Suggestions for Improvement:							
	-							

Criteria	Relevance		Evalu	uation	
Evaluation and Reflection					
Action Taken based on the results of evaluation of each of the COs, POs and PSOs	NBA 3.3	Not Evident	Emerging	Established	Highly Developed
a. Is there any analysis of weakness in the program based on the analysis of evaluation of COs, POs & PSOs attainment level available?			<b>V</b>		
		1			
c. Does the submitted proof is relevant and sufficient for the eva		<b>✓</b>		. Y-	
Comments:		is to be			
Suggestions for Improvement:					
	Evaluation and Reflection  Action Taken based on the results of evaluation of each of the COs, POs and PSOs  a. Is there any analysis of weakness in the program based on the evaluation of COs, POs & PSOs attainment level available?  b. Are there any measures identified and implemented to improvattainment level through curriculum intervention and pedagogical c. Does the submitted proof is relevant and sufficient for the evaluation comments:	Evaluation and Reflection  Action Taken based on the results of evaluation of each of the COs, POs and PSOs  a. Is there any analysis of weakness in the program based on the analysis of evaluation of COs, POs & PSOs attainment level available?  b. Are there any measures identified and implemented to improve POs & PSOs attainment level through curriculum intervention and pedagogical initiatives?  c. Does the submitted proof is relevant and sufficient for the evaluation?  Comments:	Evaluation and Reflection  Action Taken based on the results of evaluation of each of the COs, POs and PSOs  a. Is there any analysis of weakness in the program based on the analysis of evaluation of COs, POs & PSOs attainment level available?  b. Are there any measures identified and implemented to improve POs & PSOs attainment level through curriculum intervention and pedagogical initiatives?  c. Does the submitted proof is relevant and sufficient for the evaluation?  Comments:	Evaluation and Reflection  Action Taken based on the results of evaluation of each of the COs, POs and PSOs  a. Is there any analysis of weakness in the program based on the analysis of evaluation of COs, POs & PSOs attainment level available?  b. Are there any measures identified and implemented to improve POs & PSOs attainment level through curriculum intervention and pedagogical initiatives?  c. Does the submitted proof is relevant and sufficient for the evaluation?  Comments:	Evaluation and Reflection  Action Taken based on the results of evaluation of each of the COs, POs and PSOs  a. Is there any analysis of weakness in the program based on the analysis of evaluation of COs, POs & PSOs attainment level available?  b. Are there any measures identified and implemented to improve POs & PSOs attainment level through curriculum intervention and pedagogical initiatives?  c. Does the submitted proof is relevant and sufficient for the evaluation?

S/N	Criteria	Relevance		Eval	uation	
. Stud	ents Progression					
16.	Placement/Higher Education/ State/ National/International level examinations	NAAC 5.2.1, 5.2.2, 5.2.3 NBA 4.5	Not Evident	Emerging	Established	Highly Developed
	a. Placement of outgoing students			<b>✓</b>		-
	b. Students progressing to Higher Education			<b>✓</b>		
	c. Students Qualifying in GATE/CAT/TOEFL/Civil Services/State G Comments:	overnment exam	<b>✓</b>			
	One few placement offer letters were audited.  Many offer letter contains trainee designation.					
	Suggestions for Improvement: Actual job offer letter to be collected once they successfully con	nplete the training.				

S/N	Criteria	Relevance		Evalu	ation	
K. Stu	dent Participation and Activities	,				
17.	Co-curricular and Extra-curricular activities	NAAC 5.3.1, 5.3.3 NBA 4.6.1, 4.6.3	Not Evident	Emerging	Established	Highly Developed
	a. Awards and Medals for outstanding performance in Sports			<b>✓</b>		
	b. Awards and Medals for outstanding performance in Cultural			<b>/</b>		
	c. Participation in Inter-Institution Events at other Institutions			<b>✓</b>		- 1
	d. Professional Society/ Chapters and organizing engineering ex	ents ents	<b>✓</b>			
	Comments: Overall, all activities under S.No.17 to be improved.	NBA 4.6.1, 4.6.3  The mance in Sports  The mance in Cultural  Other Institutions  Cling engineering events  The mance in Cultural  The ma				
	Suggestions for Improvement:					



S/N	Criteria	Relevance		Eval	uation			
	ent Support Systems							
18.	Services and resources provided to students to enhance their overall well-being.	NBA 9.1, 9.3, 9.4, 9.5, 9.6	Not Evident	Emerging	Established	Highly Developed		
	a. Mentoring system helps students at individual level		<b>✓</b>					
	b. Is there any proof available for students' feedback on facilitie	s	<b>/</b>					
	c. Students involvement in Self Learning		<b>√</b>					
	d. Programmes/Initiatives for Career Guidance			<b>✓</b>				
	e. Entrepreneurship Development	<b>✓</b>						
	Comments:							
	To be improved with more career development training.							
	Suggestions for Improvement:							
	-							

S/N	Criteria	Relevance		Eval	uation	
M. Stu	dent Projects					
19.	Quality of the students' Projects	NBA 2.2.3, 6.4	Not Evident	Emerging	Established	Highly Developed
	a. Is the list of students' final year projects and individual project POs and PSOs checked?	t mapped with		<b>✓</b>		
	b. Publications from final year projects			<b>✓</b>		
	c. Students undertaking field projects/internships			<b>✓</b>		
	Comments:					
	Suggestions for Improvement: Suggested to take the SIH problem statements for the project wo	ork.		n - 1		

S/N	Criteria	Relevance		Eval	uation	
	dent Projects					
20.	Quality of the students' Projects	NBA 2.2.3, 6.4	Not Evident	Emerging	Established	Highly Developed
	a. Is there a clear guidance exist for the final year project selection	on and allocation?		✓		
	b. Is there any evidence for the supervision of faculty during the the project available?		-		<b>*</b>	
	c. Is there any proof for planning and management of the projec	t available?		<b>✓</b>		
	<ul> <li>d. Do the projects carried out are as per the standards and approprisatisfying the Learning Outcomes?</li> <li>e. Does each student in the group project have a clearly specified a objective for his or her part of the project and Individual contribution the project report?</li> <li>f. Does the Project Assessment contain a series of assessment stage performance and contribution of each student?</li> </ul>			<b>√</b>		
	objective for his or her part of the project and Individual contrib	d aim and ution detailed in		<b>√</b>		
	f. Does the Project Assessment contain a series of assessment stages to assess the performance and contribution of each student?			<b>~</b>		
	g. Is there a differentiated marking scheme observable for individ- group project?	dual students in a		<b>√</b>		,
	h. Are the projects effectively contributing to the achievements of Outcomes in the areas of Design, Economic, Legal, Social, Ethical Environmental context, and engineering practice?	of Learning and		<b>√</b>		
	Comments:			, ,		
	Suggestions for Improvement:					
	-					
					1	1



S/N	Criteria	Relevance		Eval	uation		
). Fac	ulty Enrollment Strategies						
23.	Faculty Empowerment Strategies	NAAC 6.3.3, 6.3.4, 6.4.2	Not Evident	Emerging	Established	Highly Developed	
	<ul> <li>a. Professional Development/Administrative training programs of institution</li> </ul>	organized by the	1				
	b. Undergone Online/ face to face FDPs			1			
	c. Funds/ Grants received from NGOs/Individuals/Philanthropers	1	,				
	Comments: No funding and NGO activities identified.						
	Suggestions for Improvement: Given few list for faculty skill enhancement.						

S/N	Criteria	Relevance		Eval	uation	
O. Res	earch & Innovation					
24.	Research Mobilization & Innovation Ecosystem	NAAC 3.1.1, 3.1.2, 3.1.3, 3.2.2, 3.3.3	Not Evident	Emerging	Established	Highly Developed
	a. Grants received from Govt/ NGO agencies for research project		1			
	b. Recognized Research guides			✓		= 112 7
	c. Workshop/Seminar conducted on research methodology, IPR and Entrepreneurship			✓		
	d. Books and chapters in edited volumes/books published and p National/International conference proceedings	NAAC 3.1.1, 3.1.2, 3.1.3, 3.2.2, 3.3.3  In project  In gy, IPR and  Id and paper published in				
-	Comments: Faculty need to go for Book Publication, Patterns and Journal Pu	iblications.	1			ra L
Ì	Suggestions for Improvement:					

Criteria	Relevance		Eval	uation			
ustry Connect		- Indiana					
Initiatives related to industry- interactions	NBA 2.2.4, 2.2.5	Not Evident	Emerging	Established	Highly Developed		
a. Industry involvement in curriculum design and impact anal	ys≬s		✓				
b. Industrial training for students and faculty members			✓		THE CONTRACTOR OF THE PROPERTY		
c. Internships			<b>✓</b>				
d. Industrial projects		<b>✓</b>					
e. Industry supported labs		1					
f. Industry visits by Students /Faculty members			<b>✓</b>				
g. Industrial expert speakers			<b>✓</b>				
h. Industrial courses		/					
i. Consultancy		✓					
Comments: Suggested few activities to be initiated immediately for the Improvements.							
Suggestions for Improvement:							
-							
	Initiatives related to industry- interactions  a. Industry involvement in curriculum design and impact anal b. Industrial training for students and faculty members  c. Internships  d. Industrial projects  e. Industry supported labs  f. Industry visits by Students /Faculty members  g. Industrial expert speakers  h. Industrial courses  i. Consultancy  Comments:  Suggested few activities to be initiated immediately for the in	Initiatives related to industry- interactions  a. Industry involvement in curriculum design and impact analysis  b. Industrial training for students and faculty members  c. Internships  d. Industrial projects  e. Industry supported labs  f. Industry visits by Students /Faculty members  g. Industrial expert speakers  h. Industrial courses  i. Consultancy  Comments:  Suggested few activities to be initiated immediately for the improvements.	Initiatives related to industry- Interactions  a. Industry involvement in curriculum design and impact analysis  b. Industrial training for students and faculty members  c. Internships  d. Industrial projects  e. Industry supported labs  f. Industry visits by Students /Faculty members  g. Industrial expert speakers  h. Industrial courses  i. Consultancy  Comments:  Suggested few activities to be initiated immediately for the Improvements.	Initiatives related to Industry- Interactions  a. Industry Involvement in curriculum design and Impact analysis  b. Industrial training for students and faculty members  c. Internships  d. Industrial projects  e. Industry supported labs  f. Industry visits by Students /Faculty members  g. Industrial expert speakers  h. Industrial courses  i. Consultancy  Comments:  Suggested few activities to be initiated immediately for the Improvements.	Initiatives related to Industry- Interactions  a. Industry Involvement in curriculum design and impact analysis  b. Industrial training for students and faculty members  c. Internships  d. Industry supported labs  f. Industry visits by Students /Faculty members  g. Industrial expert speakers  h. Industrial courses  i. Consultancy  Comments:  Suggested few activities to be initiated immediately for the Improvements.		

Please provide the following details, relevant to the Department in the space provided below:

#### A. Strengths:

Good lab system, faculty maintain their course file properly, have good campus environment for student and faculty.



- 1. Course file few details missing.
- 2. Industry linkage.
- 3. Specialized labs
- 4. Research centre, Activities, Publication.
- 5. Feedback action taken reports and follow-up actions
- C. Opportunities:
- 1. Industries mention for collaboration.
- 2. Funded projects.
- 3. CoE (Centre of Excellence)
- 4. Alumni Interaction
- 5. Consultancy projects.
- D. Challenges:
- 1. Specialized lab for faculty and student research.
- 2. Faculty research centre



Satisfactory. Suggestion given for improvements to be completed as soon as possible.

Details of the External Auditor:	
Namer, G. Kansisons	Faculty profile link:
Designation: AP-II	Contact mail id: Komosord, 9. Coe & Kct. aci.
Department:	Contact Number: 978846699
Institute: Kuncragura College e	et Technology

Signature of the Auditee

C. KALPANA

Signature of the Auditor



# INTERNAL QUALITY ASSURANCE CELL

# ACADEMIC AND ADMINISTRATIVE AUDIT FOR THE ACADEMIC YEAR 2023 - 2024

## **Audit Report**

**Department:** Artificial Intelligence & Data Science

Date of Audit: 27.07.2024

Criteria	Relevance		Free Lee	-4:	
on, Mission and PEOs		<u> </u>	Evalu	ation	
State the Vision, Mission of the Department and Institute and Prgramme Educational Objectives	NBA 1.1	Not Evident	Emerging	Established	Highly
a. Does the Vision indicate the aspirations of the department?			1		Developed
b. Does the Mission statements help to achieve the Vision of the	denartment?				
Comments:	acpartment:	2 2 2 2 2 m ×	•	2.27.	
Suggestions for Improvement:	· · · · · · · · · · · · · · · · · · ·				
Need to maintain proof for PO attainment.					
	State the Vision, Mission of the Department and Institute and Prgramme Educational Objectives  a. Does the Vision indicate the aspirations of the department?  b. Does the Mission statements help to achieve the Vision of the Comments:  - Suggestions for Improvement:	State the Vision, Mission of the Department and Institute and Prgramme Educational Objectives  a. Does the Vision indicate the aspirations of the department?  b. Does the Mission statements help to achieve the Vision of the department?  Comments:  - Suggestions for Improvement:	State the Vision, Mission of the Department and Institute and Prgramme Educational Objectives a. Does the Vision indicate the aspirations of the department? b. Does the Mission statements help to achieve the Vision of the department? Comments:  - Suggestions for Improvement:	State the Vision, Mission of the Department and Institute and Prgramme Educational Objectives  a. Does the Vision indicate the aspirations of the department?  b. Does the Mission statements help to achieve the Vision of the department?  Comments:	State the Vision, Mission of the Department and Institute and Prgramme Educational Objectives  a. Does the Vision indicate the aspirations of the department?  b. Does the Mission statements help to achieve the Vision of the department?  Comments:  - Suggestions for Improvement:

2. Indicate whether the Vision, Mission and PEOs are published and disseminated among the stakeholders. a. Does the Vision, Mission and PEOs are available in Department, Institution's website & curriculum? b. Any effective process implementation in practice to ensure awareness about Vision, Mission and PEOs to internal and external stakeholders?	S/N	Criteria	Relevance			187 48	
and disseminated among the stakeholders.  a. Does the Vision, Mission and PEOs are available in Department, Institution's website & curriculum?  b. Any effective process implementation in practice to ensure awareness about Vision, Mission and PEOs to internal and external stakeholders?  Not Evident Emerging Established Highly Develop	A. Visi	ion, Mission and PEOs			Evalu	ation	
b. Any effective process implementation in practice to ensure awareness about Vision, Mission and PEOs to internal and external stakeholders?	2.	and disseminated among the stakeholders.	NAAC 2.6.1	Not Evident	Emerging	Established	Highly
vision, wission and PEOs to Internal and external stakeholders?		<ul> <li>a. Does the Vision, Mission and PEOs are available in Departmer website &amp; curriculum?</li> </ul>	nt, Institution's			1	Developed
		b. Any effective process implementation in practice to ensure av Vision, Mission and PEOs to internal and external stakeholders?	vareness about		<b>✓</b>		
Softmittelles.		Comments:					
		Suggestions for Improvement:					1 000

Suggested to conduct stakeholders meeting twice in a year to identify the gaps.

S/N	Criteria	Relevance		Evalı	uation	
	ion, Mission and PEOs	11.0				
3.	Establish consistency of PEOs with Mission of the Department	NBA 1.5	Not Evident	Emerging	Established	Highly Developed
	a. Mission Vs PEOs matrix exists for the Department.			<b>✓</b>		
	b. Is the matrix sufficient to establish the consistency of PEOs wit Departments?	h Mission of the		<b>√</b>		
	Comments:					
,	Suggestions for Improvement:					
- 1	rigarije (g. un egijara eraj goji, salaku i nji goji dirigari					



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'N	Criteria	Relevance		Evalu	ation			
Cur	riculum Design and Development	pik yang menganan			7 7 7			
•	Structure of the Curriculum, Planning, Implementation and Evaluation processes	NAAC 1.1.2, 1.1.3	Not Evident	Emerging	Established	Highly Developed		
	a. Establishment of Curriculum Development Committee				1			
	b. Any proof for reviewing and updating the content of the courses from time to time?			<b>√</b>				
	c. Adherence to academic calendar			<b>√</b>				
	d. Participation of faculty members related to curriculum development and assessment			1		* v		
	Comments:							
1								
Ĺ								
!	Suggestions for Improvement:							
\ S	Suggested to incorporate the fresher faculty OBE training programme and skill development programme							

emic Flexibility Curriculum provides additional choice of courses to meet the students' needs  a. Learning options provided for meeting out the industrial requal to the control of the students got benefitted?	NAAC 1.2.2, 1.2.3 uirements	Not Evident	Emerging	Established	Highly Developed		
students' needs  a. Learning options provided for meeting out the industrial requ	1	Not Evident	Emerging	Established			
	uirements		<b>√</b>				
of the students got benefitted?							
5. If 30, Whether majority of the stadents got sometimes.		<b>√</b>	1.2				
Comments:							
It was identified with only two elective was offered per class.							
Suggestions for Improvement:							
uggested to have more elective papers for enhanced learning	of students.						
1	t was identified with only two elective was offered per class.  Uggestions for Improvement:	t was identified with only two elective was offered per class.	t was identified with only two elective was offered per class.  Uggestions for Improvement:	t was identified with only two elective was offered per class.  Uggestions for Improvement:	t was identified with only two elective was offered per class.  Iggestions for Improvement:		

S/N	Criteria 🕿	Relevance		Evalu	lation	e e fee fly jair	
). Tea	ching Learning Process					1 1 1	
6.	Methodologies used for enhancing learning experiences  NBA 2.1.2, 2.2.1  NAAC 2.3.1		Not Evident	Emerging	Established	Highly	
	a. Is there any proof for Experiential learning/Participative learning/Problem solving methodologies			<b>√</b>	# 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Developed	
	b. Delivery details of content beyond syllabus satisfies the industrial expectations			<b>√</b>			
-	c. Does the submitted proof is relevant and sufficient for the evaluation			√			
	Comments: -	<del>-, , , ,</del>					
	Suggestions for Improvement:						
	Flipped classroom and blended learning is suggested for one course delivery.						

S/N	Criteria	Relevance	Evaluation				
). Tea	ching Learning Process	,					
7.	ICT for effective teaching with Learning Management Systems (LMS), E-Learning resources, etc.  NBA 2.2.1 NAAC 2.3.2		Not Evident	Emerging	Established	Highly Developed	
-	a. Is there any proof for teachers using ICT facilities in the department for effective teaching?		<b>*</b>			. '	
	b. Is there proof for faculty members using LMS for the conduction of classes?						
	c. Is there proof for faculty members using E-Learning resources for effective teaching?			✓			
	d. Does the submitted proof is relevant and sufficient for the evaluation?			<b>√</b>			
	Comments:						
	Suggestions for Improvement:						
	Suggested to explore and use the ICT tools for course delivery.						

S/N	Criteria	Relevance		Evalu	uation			
E. Tea	ching Learning and Evaluation	10 A						
8.	papers, assignments, and evaluation		Not Evident	Emerging	Established	Highly Developed		
	a. Number of End Semester Examination Question Papers Analyzed (Min.50%)			<b>√</b>				
	b. Number of Periodical Examination Question Papers Analyzed (Min.50%)			1				
	c. Number of Course Files verified (at least one sample for each year is required)		,		1			
	Comments: OOPS, Computer Networks, Python Programming and Mobile Application course files audited.							
	Suggestions for Improvement:							
	Course plan need to have assessment weightage which is missing							

S/N	Criteria	Relevance		Evalu	ation			
F. Asse	sessment							
9.	Quality of Assessment	NBA 2.2.2	Not Evident	Emerging	Established	Highly Developed		
	a. Is the Standard, Appropriateness and Challenge of Examinatio Satisfactory?	n Question Papers		✓.				
	b. Is there a Clear and Transparent Marking Criteria available for	all the Courses?		1		and the second s		
	c. Does the distribution of marks between End Semester Examination and Continuous Evaluation are well balanced?			✓,				
· .	d. Is there a well-established Regulation exist for the students to get clarity about the Assessment, Credit Scheme, Moderation, Condonement and Marking			<b>√</b>				
	Comments: Assessment pattern to be improved.							
	Suggestions for Improvement:  To have twice pattern of the internal assessments.							

-	-	_	_	-	_	_

S/N	Criteria	Relevance	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Evalu	ation	
3. Fee	dback		i			a v
10.	Student feedback on Teaching Learning process	NBA 2.2.1 NAAC 2.7.1	Not Evident	Emerging	Established	Highly Developed
	a. Is there any proof available for students' feedback on Te process?			<b>√</b>		
	b. Is the action planned based on the feedback?		<b>✓</b>		7 7 7	
	c. Does the submitted proof is relevant and sufficient for t		1	, , , , , , , , , , , , , , , , , , , ,		
	Comments: Feedback Collected. Twice feedback needs to be analyzed	and action to be taken a	ppropriately.			
	Suggestions for Improvement:				w I	

S/N	Criteria	Relevance		Evalu	ation	
H. Atta	ninment of POs, COs & PSOs				ear Touris	- 4 - 1 - 2
11.	Establish the correlation between the courses and the Program	NBA 3.1	Not Evident	Emerging	Established	Highly
	Outcomes (POs) & Program Specific Outcomes (PSOs)					Developed
	a. Course Articulation Matrix Exists for the Department?			<b>✓</b>		
	b. Program Articulation Matrix Exists for the Department?			<b>✓</b>		
= 2	c. Are the matrices sufficient to establish correlation between the	courses and POs		~		
	& PSOs?					
ey.	Comments:					
	Targets to be fixed for the individual courses.					
r.	No CO and PO targets are fixed in the course plan.					
	Suggestions for Improvement:					
21	Correction to be done in the course file.					

S/N	Criteria 🕋	Relevance		Evalu	ation				
. Atta	ainment of POs, COs & PSOs								
12.	Describe the assessment tools and process used to gather the data upon which the evaluation of COs, each POs and PSOs is based.	NBA 3.2/3.3 NAAC 2.6.2	Not Evident	Emerging	Established	Highly Developed			
	a. Are the Assessment tools, question and rubrics used to measure students' learning and course outcomes are clear, sufficient and exemplified?			<b>V</b>					
	b. Are the Assessment tools, process for POs and PSOs are clear, sufficient and exemplified?			<b>V</b>					
	c. Is the process of Data collection, analysis and presentation for sufficient and exemplified?	<b>✓</b>							
	Comments:								
	To be improved for CO, PO and PSO attainment targets and to be implemented accordingly.								
	Suggestions for Improvement:								
	•								

S/N	Criteria	Relevance		Evalu	ation			
I. Atta	inment of POs, COs & PSOs	*						
13.	Record the attainment of Course Outcomes of courses with respect to set attainment levels.	NBA 3.2 NAAC 2.6.2	Not Evident	Emerging	Established	Highly Developed		
	a. Are Course Outcome targets set and well established for the courses with proper justification?		<b>*</b>					
	b. Are the attainment level of the Course Outcomes submitted are satisfactory for all the courses?		<b>√</b>					
	c. Are the action plan satisfactory for courses with COs not atta		<b>✓</b>	A.A.				
	Comments: To be improved as per the S.No.12 mentioned							
	Suggestions for Improvement:							

S/N	Criteria	Relevance	V	Evalu	ation	
I. Atta	ainment of POs, COs & PSOs					
14.	Provide results for evaluation of each PO & PSO	NBA 3.3	Not Evident	Emerging	Established	Highly Developed
	a. Course – POs & PSOs Matrix available for Direct Attainment?		, , ,	✓		Sac men
	b. Course – POs & PSOs Matrix available for Indirect Attainment?			1		
	c. Does the submitted proof is relevant and sufficient for the evaluation	uation?			1	
	Comments: Attainment targets to be fixed and to be acted accordingly.					
	Suggestions for Improvement:					
	<b>-</b>					

S/N	Criteria	Relevance		Evalu	ation			
I. Self-	Evaluation and Reflection							
15.	Action Taken based on the results of evaluation of each of the COs, POs and PSOs	NBA 3.3	Not Evident	Emerging	Established	Highly Developed		
	a. Is there any analysis of weakness in the program based on the analysis of evaluation of COs, POs & PSOs attainment level available?			<b>✓</b>		905		
	b. Are there any measures identified and implemented to improattainment level through curriculum intervention and pedagogic		<b>√</b>					
	c. Does the submitted proof is relevant and sufficient for the eva		✓ .					
	Comments:							
	Suggestions for Improvement:							

S/N	Criteria 🕿	Relevance		Evalu	ation	
Stud	dents Progression					
16.	Placement/Higher Education/ State/ National/International level examinations	NAAC 5.2.1, 5.2.2, 5.2.3 NBA 4.5	Not Evident	Emerging	Established	Highly Developed
	a. Placement of outgoing students					
	b. Students progressing to Higher Education			✓		
	c. Students Qualifying in GATE/CAT/TOEFL/Civil Services/State Government exam		<b>✓</b>			
	Comments:  One few placement offer letters were audited.  Many offer letter contains trainee designation.					
	Suggestions for Improvement: Actual job offer letter to be collected once they successfully com					

S/N	Criteria	Relevance	d	Evalu	ation		
. Stuc	dent Participation and Activities						
17.	Co-curricular and Extra-curricular activities	NAAC 5.3.1, 5.3.3 NBA 4.6.1, 4.6.3	Not Evident	Emerging	Established	Highly Developed	
	a. Awards and Medals for outstanding performance in Sports		V , B, C,	<b>✓</b>		,	
,	b. Awards and Medals for outstanding performance in Cultural			<b>√</b>		2.4	
	c. Participation in Inter-Institution Events at other Institutions			<b>√</b>			
	d. Professional Society/ Chapters and organizing engineering ev	<b>✓</b>	-	1			
	Comments: Overall, all activities under S.No.17 to be improved.						
	Suggestions for Improvement:						
		•					

/N	Criteria	Relevance		Evalu	ation			
Stuc	lent Support Systems							
l <b>8.</b>	Services and resources provided to students to enhance their overall well-being.	NBA 9.1, 9.3, 9.4, 9.5, 9.6	Not Evident	Emerging	Established	Highly Developed		
Ţ.	a. Mentoring system helps students at individual level	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	✓		7			
	b. Is there any proof available for students' feedback on facilities		<b>√</b>					
4	c. Students involvement in Self Learning		1	*				
	d. Programmes/Initiatives for Career Guidance							
b. 2	e. Entrepreneurship Development		1					
	Comments:  To be improved with more career development training.							
	Suggestions for Improvement:							

S/N	Criteria	Relevance		Evalu	ation	
M. Stu	dent Projects					
19.	Quality of the students' Projects	NBA 2.2.3, 6.4	Not Evident	Emerging	Established	Highly Developed
	a. Is the list of students' final year projects and individual p POs and PSOs checked?	project mapped with		<b>√</b>		
	b. Publications from final year projects	v.	# . E	<b>√</b>		
	c. Students undertaking field projects/internships			✓		
	Comments:					
	Suggestions for Improvement: Suggested to take the SIH problem statements for the projections.	ect work.				

	Criteria	Relevance		Evalu	ation	3.0
tu	dent Projects					
	Quality of the students' Projects	NBA 2.2.3, 6.4	Not Evident	Emerging	Established	Highly Developed
	a. Is there a clear guidance exist for the final year project selection and allocation?			<b>√</b>		
	b. Is there any evidence for the supervision of faculty during the the project available?	progression of			1	
	c. Is there any proof for planning and management of the project	t available?		✓	-1-2	
-	d. Do the projects carried out are as per the standards and appropriate in satisfying the Learning Outcomes?			<b>✓</b>		
	e. Does each student in the group project have a clearly specified aim and objective for his or her part of the project and Individual contribution detailed in the project report?			<b>✓</b>		
	f. Does the Project Assessment contain a series of assessment stages to assess the performance and contribution of each student?			<b>4</b>		
	g. Is there a differentiated marking scheme observable for indivigroup project?		<b>√</b>			
	h. Are the projects effectively contributing to the achievements Outcomes in the areas of Design, Economic, Legal, Social, Ethica Environmental context, and engineering practice?		<b>V</b>			
	Comments:					
-	Suggestions for Improvement:					



S/N	Criteria	Relevance		Fyalı	uation	
I. Ind	ustry Connect			Lvait	ation	
21.	Initiatives related to industry interaction, industry internship/summer training	NBA 2.2.4 NAAC 3.5.1, 3.5.2	Not Evident	Emerging	Established	Highly
	a. Is there any proof for industry related initiatives, implementation details and impact analysis available for the Department?		4			Developed
	b. Are there any Industry linked laboratories available in the Department?		1	7		
	c. Is there evidence for effective utilization of industry linked laboratories?		<b>✓</b>			
	d. Are there any courses partially/fully delivered by Industrial expert?		1			
	e. Percentage of students undergoing Industry Internship/summer training in the Department is up to the mark?					
	f. Does the submitted proof is relevant and sufficient for the evaluation?			1		1 1 1 1
	Comments: Very less industry interaction was identified.					
	Suggestions for Improvement: Suggested to connect with more industry for academy industry	ry collaboration.				

S/N	Criteria	Relevance	. 7	Evalu	ation	
O. Fac	ulty Information and Contribution	1 v			4/6 2	
22.	Faculty qualification and experience/Contribution to the improvement of student learning/Training programmes	NBA 5.2 to 5.6, 5.7.1 to 5.7.4, 5.8, 5.9	Not Evident	Emerging	Established	Highly Developed
	a. Faculty Cadre Proportion		V 2 2 2 2		1	
	b. Faculty Qualification		- 1	<b>✓</b>		
	c. Faculty Retention			<b>√</b>		
	d. Innovations by the Faculty in Teaching and Learning			<b>✓</b>		1
	e. Faculty participation in FDP/STTP	A Comment		<b>√</b>		-
	Comments:					9
	Suggested to link with more industry for collaboration					
	Suggestions for Improvement:		× 7 · .			

/N	Criteria	Relevance		Evalu	ation	
	ulty Enrollment Strategies					and the growth
23.	Faculty Empowerment Strategies	NAAC 6.3.3, 6.3.4, 6.4.2	Not Evident	Emerging	Established	Highly
	a. Professional Development/ Administrative training programs organized by the institution		1			Developed
	b. Undergone Online/ face to face FDPs			1		
	c. Funds/ Grants received from NGOs/Individuals/Philanthropers		1			
	Comments: No funding and NGO activities identified.					
	Suggestions for Improvement: Given few list for faculty skill enhancement.			. 14.3,		

/N	Criteria	Relevance		Evalu	ation	
	earch & Innovation	Y I I				
24.	Research Mobilization & Innovation Ecosystem	NAAC 3.1.1, 3.1.2, 3.1.3, 3.2.2, 3.3.3	Not Evident	Emerging	Established	Highly Developed
.0	a. Grants received from Govt/NGO agencies for research pr		<b>✓</b>			
	b. Recognized Research guides		1	<b>√</b>		
···	c. Workshop/Seminar conducted on research methodology, IPR and Entrepreneurship			<b>✓</b>		
	d. Books and chapters in edited volumes/books published and paper published in National/International conference proceedings		<b>√</b>			
	Comments: Faculty need to go for Book Publication, Patterns and Journal Publications.					
	Suggestions for Improvement:					

V	Criteria	Relevance	1	Evalu	ation					
	istry Connect									
•	Initiatives related to industry- interactions	NBA 2.2.4, 2.2.5	Not Evident	Emerging	Established	Highly Developed				
	a. Industry involvement in curriculum design and impact	analysis		✓						
	b. Industrial training for students and faculty members	, a d	,	1						
	c. Internships			1						
	d. Industrial projects		1		v * - 1					
	e. Industry supported labs		1		n					
	f. Industry visits by Students /Faculty members			· ·						
	g. Industrial expert speakers		4		7 7 7 7					
	h. Industrial courses		1			M ALEGO PROPERTY				
	i. Consultancy		✓							
	Comments: Suggested few activities to be initiated immediately for the improvements.									
	Suggestions for Improvement:	<u> </u>								
	-									

Please provide the following details, relevant to the Department in the space provided below:

#### A. Strengths:

Good lab system, faculty maintain their course file properly, have good campus environment for student and faculty.

- B. Weaknesses:
- 1. Course file few details missing.
- 2. Industry linkage.
- 3. Specialized labs
- 4. Research centre, Activities, Publication.
- 5. Feedback action taken reports and follow-up actions
- C. Opportunities:
- 1. Industries mention for collaboration.
- 2. Funded projects.
- 3. CoE (Centre of Excellence)
- 4. Alumni Interaction
- 5. Consultancy projects.
- D. Challenges:
- 1. Specialized lab for faculty and student research.
- 2. Faculty research centre



Satisfactory. Suggestion given for improvements to be completed as soon as possible.

Details of the External Auditor:	
Name: MG, Kanesard	Faculty profile link:
Designation: PRIT	Contact mail id: Kanagaray, g. wee keracin
Department: AFLD8	Contact Number: 978846699
Institute: Kumaraguru Collean	ge 10% Teennoloon.

Signature of the Auditee

3-PRISCO MARY

Signature of the Auditor



### **INTERNAL QUALITY ASSURANCE CELL**

### ACADEMIC AND ADMINISTRATIVE AUDIT FOR THE ACADEMIC YEAR 2023 - 2024

# **Audit Report**

Department:

**Electronics and Communication Engineering** 

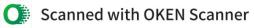
Date of Audit: 27.07.2024

S/N	Criteria	Relevance		Evalu	ation			
. Vision, Mission and PEOs  Highly								
1.		NBA 1.1	Not Evident	Emerging	Established			
				<b>√</b>				
	A mission statement focused on research and development have to be included							
	Suggestions for Improvement:  • The mission statement of the department requires slight	t modifications to	o include a focus	on higher edu	cation.			

/N	Criteria	Relevance		Eval	uation	
Visio	on, Mission and PEOs					
2.	Indicate whether the Vision, Mission and PEOs are published and disseminated among the stakeholders.	NBA 1.3/1.4 NAAC 2.6.1	Not Evident	Emerging	Established	Highly Developed
	a. Does the Vision, Mission and PEOs are available in Department, Institution's website & curriculum?				<b>✓</b>	
	b. Any effective process implementation in practice to ensure awareness about Vision, Mission and PEOs to internal and external stakeholders?				✓ · · · · · · · · · · · · · · · · · · ·	
	Comments:  • The placement company is not included in the PEO framework, and alumni input is also missing.PE					
	Suggestions for Improvement:  No evidence has been found in the literature for PEO3.  A consolidated list of all evidence across various aspect	s is required.	Secrete Sens	isine tysia	700000	

S/N	Criteria	Relevance	and the second	Evalu	uation		
A. Visi	on, Mission and PEOs	red 12	The state of the s	r lage 's			
3.	Establish consistency of PEOs with Mission of the Department	NBA 1.5	Not Evident	Emerging	Established	Highly Developed	
	a. Mission Vs PEOs matrix exists for the Department.		Principle Miles		A		
	b. Is the matrix sufficient to establish the consistency of PEOs with Mission of the Departments?						
	Comments:  • Conduct meeting periodically to review						
	Suggestions for Improvement:  Nil						

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/N	Criteria	Relevance		Evalu	ation	
Cur	riculum Design and Development	ery and a start from the			Towns to the second	
1.	Structure of the Curriculum, Planning, Implementation and Evaluation processes	NAAC 1.1.2, 1.1.3	Not Evident	Emerging	Established	Highly Developed
	a. Establishment of Curriculum Development Committee		CANT STEEL			✓
	b. Any proof for reviewing and updating the content of the courses from time to time?					
	c. Adherence to academic calendar			Test were a statum		<b>✓</b>
	d. Participation of faculty members related to curriculum devel assessment				_	
	Comments:  • First year subjects can also be considered for the mapping of department PSO  • The marks in the lab records need to be justified.					
7 7 8 = 70 - 200 =	Suggestions for Improvement:  PSO can be without can be without company specific PO mapping needs to be modified					

S/N	Criteria	Relevance		Evalu	uation			
. Aca	demic Flexibility		r transfer of the	Law was all to	a - 1947a - 5			
5.	Curriculum provides additional choice of courses to meet the students' needs	NAAC 1.2.2, 1.2.3	Not Evident	Emerging	Established	Highly Developed		
	a. Learning options provided for meeting out the industrial req	uirements		<b>√</b>		3		
	b. If so, whether majority of the students got benefitted?							
1	Comments:							
	Suggestions for Improvement:							
,	Value Added Course Credit transformation need to be	included						

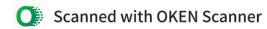
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5/N	Criteria	Relevance		Evalu	ation	1
. Tea	ching Learning Process					
6.	Methodologies used for enhancing learning experiences	NBA 2.1.2, 2.2.1 NAAC 2.3.1	Not Evident	Emerging	Established	Highly Developed
	a. Is there any proof for Experiential learning/Participative learning/Problem solving methodologies				<b>\</b>	
5 1 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	b. Delivery details of content beyond syllabus satisfies the industrial expectations				<b>√</b>	P
	c. Does the submitted proof is relevant and sufficient for the evaluation		* 30 h			
	Comments: Nil					
	Suggestions for Improvement:  • It is advised to focus on conferences and journals index	ed in Scopus.				

S/N	Criteria	Relevance		Eval	uation	
). Tea	ching Learning Process					
7.	ICT for effective teaching with Learning Management Systems (LMS), E-Learning resources, etc.	NBA 2.2.1 NAAC 2.3.2	Not Evident	Emerging	Established	Highly Developed
	a. Is there any proof for teachers using ICT facilities in the department for effective teaching?					<b>✓</b>
1. 1.	b. Is there proof for faculty members using LMS for the conduction of classes?		7 1 2 20 20 20	t showing t		<b>✓</b>
** »	c. Is there proof for faculty members using E-Learning resources teaching?	for effective				✓.
	d. Does the submitted proof is relevant and sufficient for the evaluation?		Y ve if- a sittem			<i>√</i> 1
	Comments:					
	Suggestions for Improvement:  • Completed MOC	C courses can be c	onsidered for c	redit.	24 C . V - 13	

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F. Tea	Criteria	Relevance	- CO	And the second s	* *	
	ching Learning and Evaluation		and the state of t	Evalu	ation	this year as
8.	Quality of end semester examination, periodical test question papers, assignments, and evaluation	NBA 2.2.2	Not Evident	Emerging	Established	Highly
	a. Number of End Semester Examination Question Papers Analyz	ed (Min E00/)				Developed
	b. Number of Periodical Examination Question Papers Analyzed (	.eu (171111.50%)	Ada a de la company		✓	
	Question Papers Analyzed (	Min.50%)		1		
and of	c. Number of Course Files verified (at least any serior	c. Number of Course Files verified (at least one sample for each year is required)		A mar a Karana	Total Total	
	Comments:	The state of the s	<b>√</b>	41-1		
	<ul> <li>CO and K level is missing in end semester question paper</li> <li>More repeated data has been found in the faculty logbor</li> <li>The lesson plan is printed in one location and handwritt</li> <li>Suggestions for Improvement:</li> <li>The internal assessment question paper must be aligned</li> </ul>					

F. Ass	Criteria essment	Relevance	or and an analysis of the	Evalu	ıation	NI - 40 - 1
9.		Herry Committee of		Tay to Bay and the same and the		N. C.
	Quality of Assessment	NBA 2.2.2	Not Evident	Emerging	Established	Highly
	a. Is the Standard, Appropriateness and Challenge of Examination Question Papers Satisfactory?			<b>√</b>		Developed
Ste	b. Is there a Clear and Transparent Marking Criteria available for all t	he Courses?	A == 1 = = = = = = = = = = = = = = = = =	-		
1 2	c. Does the distribution of marks between End Semester Examination and		N 19 00 00 00 1	-1 -1P <sub>2</sub> / 1 2 2	√ √ ·	
<u>r</u>	Continuous Evaluation are well balanced?				1237	
	d. Is there a well-established Regulation exist for the students to get clarity about the Assessment, Credit Scheme, Moderation, Condonement and Marking				<b>V</b>	•
	Comments:	8	20-01			
7	<ul> <li>The representation of COs is not uniform across all location</li> <li>The effectiveness of support for slow learners is poor.</li> </ul>					
	A content sheet should be included in the course file.				iji , A	
	Suggestions for Improvement:	Suggestions for Improvement:				
	The second secon	NIL				

S/N	Criteria	Relevance		Evalu	ation	1		
	dback							
10.	Student feedback on Teaching Learning process	NBA 2.2.1 NAAC 2.7.1	Not Evident	Emerging	Established	Highly Developed		
er er	a. Is there any proof available for students' feedback on Teaching Learning process?							
	b. Is the action planned based on the feedback?		<b>✓</b>	-1				
	c. Does the submitted proof is relevant and sufficient for the evaluation?							
	Comments:  • Action taken missing in feedback system							
	Suggestions for Improvement:  Feedback mechanism have to improve by including institute level facilities							

S/N	Criteria	Relevance		Evalu	ation	
	ainment of POs, COs & PSOs					11.11.
11.	Establish the correlation between the courses and the Program Outcomes (POs) & Program Specific Outcomes (PSOs)	NBA 3.1	Not Evident	Emerging	Established	Highly Developed
	a. Course Articulation Matrix Exists for the Department?		7		1	
	b. Program Articulation Matrix Exists for the Department?				<b>✓</b>	
	c. Are the matrices sufficient to establish correlation between the & PSOs?	e see at at	7 / May 4 / M.			
	Comments:  • The attainment calculation has not been completed.  • Course End Survey is missing			regional de la composition della composition del		
	Suggestions for Improvement:  Nil					
	Suggestions for Improvement:	Nil				

'N	Criteria	Relevance	· ·	Evalu	ation			
Atta	inment of POs, COs & PSOs			a section of	. R. W. 11.50			
2.	Describe the assessment tools and process used to gather the data upon which the evaluation of COs, each POs and PSOs is based.	NBA 3.2/3.3 NAAC 2.6.2	Not Evident	Emerging	Established	Highly Developed		
	a. Are the Assessment tools, question and rubrics used to measure students' learning and course outcomes are clear, sufficient and exemplified?		1 46-1 146	<b>1</b>				
	b. Are the Assessment tools, process for POs and PSOs are clear, suffi exemplified?			<b>✓</b>				
	c. Is the process of Data collection, analysis and presentation for sufficient and exemplified?	COs attainment	n en me de	<b>*</b>				
	Comments: Nil							
	Suggestions for Improvement:	Nil						

S/N	Criteria	Relevance	College to 5	Evalu	ıation			
l. Atta	ninment of POs, COs & PSOs	1.		To a did fore "A"				
13.	Record the attainment of Course Outcomes of courses with respect to set attainment levels.	NBA 3.2 NAAC 2.6.2	Not Evident	Emerging	Established	Highly Developed		
	a. Are Course Outcome targets set and well established for the courses with proper justification?							
	b. Are the attainment level of the Course Outcomes submitted are satisfactory for all the courses?							
	c. Are the action plan satisfactory for courses with COs not attained?		1	. • • • • • • • • • • • • • • • • • • •				
	Comments:  • The attainment sheet and percentage of weightage need to be rechecked.							
	Suggestions for Improvement:	Nil						
			Y 4	28 4 4 4 4				

S/N	Criteria	Relevance		Eval	uation				
ł. Atta	ainment of POs, COs & PSOs		g 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,		The Court Control				
14.	Provide results for evaluation of each PO & PSO	NBA 3.3	Not Evident	Emerging	Established	Highly Developed			
	a. Course – POs & PSOs Matrix available for Direct Attainment?		n jegindir zah etan.						
	b. Course – POs & PSOs Matrix available for Indirect Attainment?		· Jakis Majorisis	value √e e y a		100 AP - 10 AP			
	c. Does the submitted proof is relevant and sufficient for the evaluation?			<b>✓</b>		•			
	Comments: Nil								
	Suggestions for Improvement:  Nil								

/N	Criteria	Relevance	Walter and the state of the sta	Evalu	uation				
Self-	Evaluation and Reflection				43 17 2				
15.	Action Taken based on the results of evaluation of each of the COs, POs and PSOs	NBA 3.3	Not Evident	Emerging	Established	Highly Developed			
	a. Is there any analysis of weakness in the program based on the evaluation of COs, POs & PSOs attainment level available?				•				
	b. Are there any measures identified and implemented to improve POs & PSOs attainment level through curriculum intervention and pedagogical initiatives?								
	c. Does the submitted proof is relevant and sufficient for the evaluation?		1 24 8 1 6 7 1	<b>✓</b>	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2				
	Comments:								
	Suggestions for Improvement:  Nil								

s/N	Criteria	Relevance	Years .	Evalı	uation	
Stuc	dents Progression			Liuit		
16.	Placement/Higher Education/ State/ National/International level examinations	NAAC 5.2.1, 5.2.2, 5.2.3 NBA 4.5	Not Evident	Emerging	Established	Highly Developed
	a. Placement of outgoing students			1		the section of the
	b. Students progressing to Higher Education		i disambansi		1	
	c. Students Qualifying in GATE/CAT/TOEFL/Civil Services/State Gove	rnment exam	<b>✓</b>	17 · 12		
	C. There is no student found in L  Suggestions for Improvement:  • Higher studies motivation needs to be carried out.					

S/N	Criteria	Relevance		Evalu	uation				
K. Stu	dent Participation and Activities	*	t as	4 121	, i				
17.	Co-curricular and Extra-curricular activities	NAAC 5.3.1, 5.3.3 NBA 4.6.1, 4.6.3	Not Evident	Emerging	Established	Highly Developed			
	a. Awards and Medals for outstanding performance in Sports		<b>✓</b>		Control of				
	b. Awards and Medals for outstanding performance in Cultural			<b>√</b>					
	c. Participation in Inter-Institution Events at other Institutions		सर्व । ह्यू संस्कृत - द्वारे हरण						
	d. Professional Society/ Chapters and organizing engineering events			<b>√</b>					
	Comments:  Nil								
	<ul> <li>Suggestions for Improvement:</li> <li>More cultural events and sports participation needed.</li> <li>Professional society related events have to increased</li> </ul>			ુપુરન્યુઆઇ(દુધિક) કૃષ્ય કૃષ્	(Americania)				

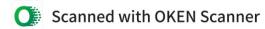
/N	Criteria	Relevance		Evalu	uation				
Stuc	lent Support Systems								
<b>.8</b>	Services and resources provided to students to enhance their overall well-being.	NBA 9.1, 9.3, 9.4, 9.5, 9.6	Not Evident	Emerging	Established	Highly Developed			
	a. Mentoring system helps students at individual level		12 / V 12 /						
1	b. Is there any proof available for students' feedback on facilitie	s	<b>√</b>						
	c. Students involvement in Self Learning	20 10 10	<b>✓</b>						
	d. Programmes/Initiatives for Career Guidance		<b>√</b> / /						
-,,	e. Entrepreneurship Development	-10-18-1		<b>√</b>	v. (* *   1				
	More programs needed for the all above								
	Suggestions for Improvement:	Nil				ates			

S/N	Criteria	Relevance		Eval	uation	3 7 7 7		
M. Stı	Ident Projects			: 12 i vi j		, fo <sup>2</sup>		
19.	Quality of the students' Projects	NBA 2.2.3, 6.4	Not Evident	Emerging	Established	Highly Developed		
	a. Is the list of students' final year projects and individual projects and PSOs checked?	ct mapped with		u seed to the seed of the seed	<b>✓</b> 1000			
	b. Publications from final year projects		The state of the s	10 M - 1				
	c. Students undertaking field projects/internships		· .	✓				
	Comments:  • There is no Scopus indexed conference paper found.							
	Suggestions for Improvement:  Nil							

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N	Criteria								
Stu	dent Projects	Relevance	1,541	Evalu	ation	Land L. Bira-			
	Quality of the students' Projects		1						
		NBA 2.2.3, 6.4	Not Evident	Emerging	Established	Highly			
	a. Is there a clear guidance exist for the final year project select	tion and allocation?	S as and second of	<b>√</b>		Developed			
	the project available?	e progression of			1				
. [	c. Is there any proof for planning and management of the project.	-1-112			i più di				
	d. Do the projects carried out are as per the standards and appropriately in the Learning Outcomes?	ct available?			<b>√</b>				
F	, a manage outcomest				17 10 × 10 ✓ 10 × 10 × 10 × 10 × 10 × 10 ×				
- 1	e. Does each student in the group project have a clearly specified aim and objective for his or her part of the project and Individual contribution detailed in the project report?								
	f. Does the Project Assessment contain a series of assessment st performance and contribution of each student?	ages to assess the			<b>√</b>				
	g. Is there a differentiated marking scheme observable for indivigroup project?	dual students in a			✓ · · · · · · · · · · · · · · · · · · ·				
10	h. Are the projects effectively contributing to the achievements of Learning Outcomes in the areas of Design, Economic, Legal, Social, Ethical and Environmental context, and engineering practice?				<b>Y</b>				
C	Comments: Nil								
S	uggestions for Improvement:	Nil							



N	Criteria	Relevance	y verse	Evalu	uation				
	istry Connect								
l.	Initiatives related to industry interaction, industry internship/summer training	NBA 2.2.4 NAAC 3.5.1, 3.5.2	Not Evident	Emerging	Established	Highly Developed			
	a. Is there any proof for industry related initiatives, implementation details and impact analysis available for the Department?				<b>✓</b>				
b. Are there any Industry linked laboratories available in the Dep		partment?			<b>✓</b>				
	c. Is there evidence for effective utilization of industry linked lab	oratories?		<b>✓</b>					
Γ	d. Are there any courses partially/fully delivered by Industrial ex	pert?		i de la dela de		<u></u>			
	e. Percentage of students undergoing Industry Internship/summer training in the Department is up to the mark?				<b>✓</b>				
	f. Does the submitted proof is relevant and sufficient for the eva	luation?		ere property	<b>√</b>				
	Comments:	*				-1:			
-	Suggestions for Improvement:	10 April 10							

S/N	Criteria	Relevance		Evalu	uation			
D. Fac	ulty Information and Contribution		The second of th			7 . 2 .es		
22.	Faculty qualification and experience/Contribution to the improvement of student learning/Training programmes	NBA 5.2 to 5.6, 5.7.1 to 5.7.4, 5.8, 5.9	Not Evident	Emerging	Established	Highly Developed		
	a. Faculty Cadre Proportion				and the second			
	b. Faculty Qualification		or ed		<b>✓</b>	4, M. L.		
	c. Faculty Retention			✓	7	· · · · · · · · · · · · · · · · · · ·		
	d. Innovations by the Faculty in Teaching and Learning		10 20 10	and a	<i>*</i>	1 1		
	e. Faculty participation in FDP/STTP			-	, , <u>,</u> , <u>,</u>	<b>✓</b>		
	Comments:  ✓ In faculty cadre less no. of Associate Professor is found.  ✓ There is no evidence for the scale of pay, only consolidated pay is found							
	Suggestions for Improvement:  • Faculty retention ratio should be high							

s/N	Criteria	Relevance	1			
. Fac	ulty Enrollment Strategies	Relevance		Evalu	ation	
23.	Faculty Empowerment Strategies	NAAGGGG			January 1 gar da	
		NAAC 6.3.3, 6.3.4, 6.4.2	Not Evident	Emerging	Established	Highly Developed
•	a. Professional Development/ Administrative training programs organized by the institution				<b>*</b>	Developea
	b. Undergone Online/ face to face FDPs					
	c. Funds/ Grants received from NGOs/Individuals/Philanthropers			A MATTER A TO THE		<b>✓</b>
	Comments:	•	y			
- <u>S</u>	No founded research projects		ingen in the start of the start			
	lan in cata non lan, inclue avec la alcuesa					
*	Suggestions for Improvement:	** ** ** ** ** ** ** **			7	
	and the second of the second o					

/N i	Criteria	Relevance		Evalu	ation	
. Res	earch & Innovation					1 pr 18 0,
24.	Research Mobilization & Innovation Ecosystem	NAAC 3.1.1, 3.1.2, 3.1.3, 3.2.2, 3.3.3	Not Evident	Emerging	Established	Highly Developed
1 :	a. Grants received from Govt/ NGO agencies for research project		✓	* \$		
- "	b. Recognized Research guides		The Selection of		<b> </b>	
	c. Workshop/Seminar conducted on research methodology, IPR and Entrepreneurship				<b>*</b>	egica .
	d. Books and chapters in edited volumes/books published and paper published in National/International conference proceedings			✓		
	Comments:		1, 12, 12, 12			
	Suggestions for Improvement:		africana at a talkan	State State		
	partition of the first					le solo

V	Criteria	Relevance		Evalu	ation	
du	stry Connect		1			
•	Initiatives related to industry- interactions	NBA 2.2.4, 2.2.5	Not Evident	Emerging	Established	Highly Develop
	a. Industry involvement in curriculum design and impact analys	is			<b>✓</b>	
	b. Industrial training for students and faculty members				<b>✓</b>	
1	c. Internships	خيعان د ايد ايفي		<b>✓</b>		
f	d. Industrial projects		<b>√</b>		, tri pose di Na companya	
	e. Industry supported labs			<b>√</b>		
	f. Industry visits by Students /Faculty members		-			
	g. Industrial expert speakers	•		-	<b>✓</b>	
T	h. Industrial courses	and the second second	v , g, de de			
i	. Consultancy		<b>-</b> ✓	· · · · · · · · · · · · · · · · · · ·		
(	Comments:  • There is no consultancy work found					
5	Suggestions for Improvement:					

Please provide the following details, relevant to the Department in the space provided below:

### A. Strengths:

• The infrastructure is good, and there are a sufficient number of centers of excellence available.

### B. Weaknesses:

- A weakness is the lack of consultancy and funded projects.
- Additionally, counseling needs to be tailored to address individual student problems.
- Research publication is poor.
- Less no. of student's certification in NPTEL courses.

## c. Opportunities:

- Centre of Excellence can be efficiently utilized by the students and through we can get consultancy and project work from the industry. By improving technical skills of students by giving skill based training through Tinkering Lab.

## D. Challenges:

- We have to cope up with students having less cut-off.
- Anna University End Semester Examination result is poor.

E. Concluding remarks related to Academic Performance of the Department:

- For future development, it is mandate to get funded projects and consultancy.
- To improve students' technical skills, it is essential to develop a long-term plan that includes curriculum enhancement, industry collaboration, hands-on learning opportunities, and continuous feedback mechanisms.

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Details of the External Auditor:	
Name: Dr.S.Maheswaran	Faculty profile link: https://sites.google.com/a/kongu.edu/maheswaran-s-ece/
Designation: ASP	Contact mail id: mmaheswaran_eie@kongu.ac.in
Department: ECE	Contact Number: 9842811344

Signature of the Auditee

DY. GI MOHON BOBU

Pof 4 Hand / ECE
Academic and Administrative Audit

NPRCET, Natram

8 md 27/July 2024

Dr. MAHESWARAN-S

Signature of the Auditor ASP | ECE

Konyu Engineering College

Erocke

NBA Accredited (B.E. - CSE, ECE, EEE & Mechanical Engg.) | Accredited by NAAC with 'A' Grade | Recognized by UGC under 2 (1) ISO 9001:2015 Certified | Approved by All India Council for Technical Education, New Delhi | Affiliated to Anna University Chennai



#### INTERNAL QUALITY ASSURANCE CELL

#### ACADEMIC AND ADMINISTRATIVE AUDIT FOR THE ACADEMIC YEAR 2023 - 2024

## **Audit Report**

Department: EEE

Date of Audit: 27.7.24

n, Mission and PEOs State the Vision, Mission of the Department and Institute and Prgramme Educational Objectives a. Does the Vision indicate the aspirations of the department?	NBA 1.1	Not Evident	Emerging	Established	Highly
Prgramme Educational Objectives	NBA 1.1	Not Evident	Emerging	C-t-blished	Highly
			Lineignig	Established	Developed
a. Does the vision mulcate the asphalions of the department:				YES	
	department?	4	YES	e de la granda de	
Comments: Mission Statements more specific and need	to be strengthen	ed			
			<u> </u>		
Suggestions for Improvement: Need to cover all aspects of	EEE				
	Comments: Mission Statements more specific and need		Comments: Mission Statements more specific and need to be strengthened	Comments: Mission Statements more specific and need to be strengthened	Comments: Mission Statements more specific and need to be strengthened

**Academic and Administrative Audit** 

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5/N	Criteria <b>C</b>	Polovov				
. Visi	on, Mission and PEOs	Relevance		Evalu	lation	
2.	Indicate whether the Vision, Mission and PEOs are published and disseminated among the stakeholders.	NBA 1.3/1.4 NAAC 2.6.1	Not Evident	Emerging	Established	Highly
	a. Does the Vision, Mission and PEOs are available in Departmen website & curriculum?	t, Institution's			YES	Developed
· L	b. Any effective process implementation in practice to ensure aw Vision, Mission and PEOs to internal and external stakeholders?				YES	
	Comments: Available in record note, Event Flier, newsletter, mag	azine				
	Suggestions for Improvement: Event specific Pos need to be spec	cified instead at all	1.			

S/N	Criteria	Relevance		Fyalı	uation	
	ion, Mission and PEOs					
3.	Establish consistency of PEOs with Mission of the Department	NBA 1.5	Not Evident	Emerging	Established	Highly Developed
	a. Mission Vs PEOs matrix exists for the Department.		22.5 mg		YES	
, -	b. Is the matrix sufficient to establish the consistency of PEOs wit Departments?	h Mission of the	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	468		
	Comments: Missions and PEOs mapping available but need i	mprovement				
	Suggestions for Improvement: PEOs have to be reframed and ma	pped with missions	5			

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S/N	Criteria	Relevance				
. Curi	riculum Design and Development			Evalu	ation	
4.	Structure of the Curriculum, Planning, Implementation and Evaluation processes	NAAC 1.1.2, 1.1.3	Not Evident	Emerging	Established	Highly
6 ::	a. Establishment of Curriculum Development Committee					Developed
	b. Any proof for reviewing and updating the content of the courtime?	ses from time to		YES	YES	
	c. Adherence to academic calendar				B	
1	d. Participation of faculty members related to curriculum development	opment and			YES	
	Comments: No evidence of stakeholders feedback for developing	ng curriculum			1	
	Suggestions for Improvement: Stakeholders list has to be prepa PAC,DAC,BOS&ACM	red and feedback to	be collected an	alysed and inc	corporated thro	uġh
	Suggestions for Improvement: Stakeholders list has to be prepa PAC,DAC,BOS&ACM	red and feedback to	be collected an	alysed and inc	corporated thro	uġh

S/N	Criteria	Relevance	Evaluation		Evaluation			
C. Aca	demic Flexibility							
5.	Curriculum provides additional choice of courses to meet the students' needs	NAAC 1.2.2, 1.2.3	Not Evident	Emerging	Established	Highly Developed		
	a. Learning options provided for meeting out the industrial requirements		YES	4				
	b. If so, whether majority of the students got benefitted?							
	Comments: Few evidence like Centre of Excellence ,internship ae available but need to be improved.							
	Suggestions for Improvement: Industry courses need to be included in online/offline							
						4.5		

S/N	Criteria	Relevance		The state of the s	- service -	in the state
D. Tea	ching Learning Process			Evalu	ation	
6.	Methodologies used for enhancing learning experiences	NBA 2.1.2, 2.2.1 NAAC 2.3.1	Not Evident	Emerging	Established	Highly
	a. Is there any proof for Experiential learning/Participative learn solving methodologies	ning/Problem			YES	Developed
	b. Delivery details of content beyond syllabus satisfies the indus				YES	
-	c. Does the submitted proof is relevant and sufficient for the ev Comments: Available	aluation			YES	
	Comments. Available					
	Suggestions for Improvement: Peer Teaching "Group Discussion	n need to be introdu	ced			
	•					

S/N	Criteria	Relevance		Evalu	ation	
). Tea	ching Learning Process				1	
7.	ICT for effective teaching with Learning Management Systems (LMS), E-Learning resources, etc.	NBA 2.2.1 NAAC 2.3.2	Not Evident	Emerging	Established	Highly Developed
	a. Is there any proof for teachers using ICT facilities in the depart teaching?	ment for effective		YES		
, la	b. Is there proof for faculty members using LMS for the conducti	on of classes?		YES		
* 1	c. Is there proof for faculty members using E-Learning resources teaching?	for effective		YES		
	d. Does the submitted proof is relevant and sufficient for the eva	aluation?		YES		
	Comments: GOOD					
	Suggestions for Improvement:					

	Relevance		Fre-1		
ing Learning and Evaluation			Evalu	ation	
apers, assignments, and evaluation	NBA 2.2.2	Not Evident	Emerging	Fstablished	Highly
. Number of End Semester Examination Question Papers Analyz	ed (Min 50%)	Not			Developed
. Number of Periodical Examination Question Papers Analyzed (	Min.50%)	Available Can	1 sau	בישטמט	
Number of Course Files verified (at least one sample for each v	rear is required)		, 60	10	
omments: 3 internal Tests+3 Cycle Tests +3 Assignments is not	suitable				
Iggestions for Improvement: 2 Internal T. 1. 1.2. in the			<u> </u>		
	Auality of end semester examination, periodical test question apers, assignments, and evaluation  Number of End Semester Examination Question Papers Analyzed ( Number of Periodical Examination Question Papers Analyzed ( Number of Course Files verified (at least one sample for each your ments: 3 internal Tests+3 Cycle Tests +3 Assignments is not appears to the comments of the course Files of the course F	NBA 2.2.2  Number of End Semester Examination Question Papers Analyzed (Min.50%)  Number of Periodical Examination Question Papers Analyzed (Min.50%)  Number of Course Files verified (at least one sample for each year is required)  Domments: 3 internal Tests+3 Cycle Tests +3 Assignments is not suitable	Number of Periodical Examination Question Papers Analyzed (Min.50%)  Number of Periodical Examination Question Papers Analyzed (Min.50%)  Number of Course Files verified (at least one sample for each year is required)  Demments: 3 internal Tests+3 Cycle Tests +3 Assignments is not suitable	Auality of end semester examination, periodical test question apers, assignments, and evaluation  NBA 2.2.2  Not Evident Emerging  Number of End Semester Examination Question Papers Analyzed (Min.50%)  Number of Periodical Examination Question Papers Analyzed (Min.50%)  Number of Course Files verified (at least one sample for each year is required)  Demments: 3 internal Tests+3 Cycle Tests +3 Assignments is not suitable	Auality of end semester examination, periodical test question apers, assignments, and evaluation  NBA 2.2.2  Not Evident  Emerging  Established  Number of End Semester Examination Question Papers Analyzed (Min.50%)  Number of Periodical Examination Question Papers Analyzed (Min.50%)  Number of Course Files verified (at least one sample for each year is required)  Domments: 3 internal Tests+3 Cycle Tests +3 Assignments is not suitable

N	Criteria	Relevance	1.3	Evalu	ation	
	sment		and the second	20010		
-	Quality of Assessment	NBA 2.2.2	Not Evident	Emerging	Established	Highly Develope
	<ul> <li>a. Is the Standard, Appropriateness and Challenge of Examination</li> <li>Satisfactory?</li> </ul>	on Question Papers	går jøn-	YES	1 m	Develope
L	<ul> <li>b. Is there a Clear and Transparent Marking Criteria available for</li> </ul>	all the Courses?		YES		
	c. Does the distribution of marks between End Semester Examir Continuous Evaluation are well balanced?	nation and			YES	
d t	d. Is there a well-established Regulation exist for the students to the Assessment, Credit Scheme, Moderation, Condonement and	get clarity about	YES			, n
C	Comments: Need to be improved					

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G. Fee	Criteria dback	Relevance		Evalu	ation	
10.	Charles & C. III		1. 19 4	a Kin .		
	Student feedback on Teaching Learning process	NBA 2.2.1 NAAC 2.7.1	Not Evident	Emerging	Established	Highly
	a. Is there any proof available for students' feedback on Teaching Learning process?				YES	Developed
	b. Is the action planned based on the feedback?		F 1 20 1			1800
			3		YES	
	c. Does the submitted proof is relevant and sufficient for the ev	aluation?			YES	1. 11.
100	Comments: Frequency of feedback need to be improved				8 J	

a. Course Articulation Matrix Exists for the Department? b. Program Articulation Matrix Exists for the Department? c. Are the matrices sufficient to establish correlation between the courses and DO	blished Hig
a. Course Articulation Matrix Exists for the Department?  b. Program Articulation Matrix Exists for the Department?  c. Are the matrices sufficient to establish correlation between the courses and DO	DIISNPA I "
b. Program Articulation Matrix Exists for the Department?  c. Are the matrices sufficient to establish correlation between the courses and DO	
c. Are the matrices sufficient to establish correlation between the sources and DO	YES
C. Are the matrices sufficient to establish correlation between the sources and DO	YES
& PSOs?	YES
Comments: No Evidence of CO assessment	

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S/N	Criteria	Relevance	T	Fuel		
H. Atta	ainment of POs, COs & PSOs			Evail	uation	
12.	Describe the assessment tools and process used to gather the data upon which the evaluation of COs, each POs and PSOs is based.	NBA 3.2/3.3 NAAC 2.6.2	Not Evident	Emerging	Established	Highly Developed
	a. Are the Assessment tools, question and rubrics used to measu learning and course outcomes are clear, sufficient and exemplifie	ed?		YES		Developeu
	b. Are the Assessment tools, process for POs and PSOs are clear, exemplified?	sufficient and		YES		
	c. Is the process of Data collection, analysis and presentation for sufficient and exemplified?	COs attainment		YES		
	Comments: CO Indirect Assessment not included					
	Control of the contro			·		
!	Suggestions for Improvement: Course exit survey need to be included	uded	<u> </u>	,		· · · · · · · · · · · · · · · · · · ·

S/N	Criteria	Relevance		Evalı	uation	
. Atta	ainment of POs, COs & PSOs					
13.	Record the attainment of Course Outcomes of courses with respect to set attainment levels.	NBA 3.2 NAAC 2.6.2	Not Evident	Emerging	Established	Highly Developed
	a. Are Course Outcome targets set and well established for the courses with proper justification?		YES			
	b. Are the attainment level of the Course Outcomes submitted are satisfactory for all the courses?		NO			
	c. Are the action plan satisfactory for courses with COs not attain	ned?	NO			
	Comments: Course Outcomes need to be calculated every semes	ster				
	Suggestions for Improvement: Based on CO attainments Cos has	to be revised or ref	ined			

N/N	Criteria	Dolo				
. Atta	ninment of POs, COs & PSOs	Relevance		Evalu	uation	
.4.	Provide results for evaluation of each PO & PSO		1 1 1		aution	
	a. Course – POs & PSOs Matrix available for Direct Aug.	NBA 3.3	Not Evident	Emerging	Established	Highly
	b. course - POS & PSOS Matrix available for Indianat Available	?	718	16 T	YES	Developed
- k	c. Does the submitted proof is relevant and sufficient for the eva Comments: Indirect Mapping not available	luation?		YES		
				. "		
-						
	Suggestions for Improvement: Need to include indirect assessment	ent method		<u> </u>		
	·		• •			

Action Taken based on the results of evaluation of each of the COs, POs and PSOs  a. Is there any analysis of weakness in the program based on the analysis of evaluation of COs, POs & PSOs attainment level available?  b. Are there any measures identified and implemented to improve POs & PSOs attainment level through curriculum intervention and pedagogical initiatives?			Not Evident	Emerging	Established	Highly Developed
			YES			Developeu
		ve POs & PSOs cal initiatives?	YES			
	c. Does the submitted proof is relevant and sufficient for the eva	luation?	YES	<del></del>		
	Comments: No evidence of Cos action taken report					3.5

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S/N	Criteria	Relevance				
l. Stud	dents Progression	, included		Evalu	lation	
16.	Placement/Higher Education/ State/ National/International level examinations	NAAC 5.2.1, 5.2.2, 5.2.3 NBA 4.5	Not Evident	Emerging	Established	Highly Developed
	a. Placement of outgoing students				YES	1.8
	b. Students progressing to Higher Education	1 a a a a a		YES	163	
	c. Students Qualifying in GATE/CAT/TOEFL/Civil Services/State G Comments: NO evidence of GATE/CAT /Govt Exam Participation	overnment exam	YES			
	Participation					
2	Suggestions for Improvement: Create a support system to provide	de training and asse	ssment of above			
			<b>.</b>			

S/N	Criteria	Relevance		Eval	uation	
K. Stu	dent Participation and Activities		T T			
17.	Co-curricular and Extra-curricular activities	NAAC 5.3.1, 5.3.3 NBA 4.6.1, 4.6.3	Not Evident	Emerging	Established	Highly Developed
	a. Awards and Medals for outstanding performance in Sports			YES	n   n   i	
	b. Awards and Medals for outstanding performance in Cultural			YES		
	c. Participation in Inter-Institution Events at other Institutions		, ,	YES	200	
	d. Professional Society/ Chapters and organizing engineering ev		YES			
	Comments: Awards and Medal winners details available for inte	ernal marks				
	Suggestions for Improvement: CO and extra curricular activites	credit course /non c	redit course ma	y be included.		
		2 2 2			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

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	dent Support Systems	Relevance		Evalu	uation	
18.	Services and resources provided to students to enhance their overall well-being.	NBA 9.1, 9.3, 9.4, 9.5, 9.6	Not Evident	Emerging	Established	Highly
	a. Mentoring system helps students at individual level			3.3	YES	Developed
	<ul><li>b. Is there any proof available for students' feedback on facilitie</li><li>c. Students involvement in Self Learning</li></ul>	S		YES		
	d. Programmes/Initiatives for Career Guidance		NO		YES	
	e. Entrepreneurship Development		No		, · · · · · · · · · · · · · · · · · · ·	
	Comments: c & e not available		140	-		
9	Suggestions for Improvement: Motivate self learning and entrep	reneurship			•	

S/N	Criteria	Relevance	2 27 2 1 X	Fyalı	ation	
	ident Projects	,		LVait		
19.	Quality of the students' Projects	NBA 2.2.3, 6.4	Not Evident	Emerging	Established	Highly Developed
	<ul><li>a. Is the list of students' final year projects and individual project mapped with POs and PSOs checked?</li></ul>				YES	
	b. Publications from final year projects				YES	
	c. Students undertaking field projects/internships		40			
	Comments: No evidence of field project		1 1			vi ji iziye jib
	Suggestions for Improvement: Field project need to be in	mproved.				

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/N	Criteria	Relevance		Eval	ation	
	udent Projects			Evalu	lation	
0.	Quality of the students' Projects	NBA 2.2.3, 6.4	Not Evident	Emerging	Established	Highly
	a. Is there a clear guidance exist for the final year project sele	ection and allocation?	YES		- Total Car	Developed
	b. Is there any evidence for the supervision of faculty during the project available?	the progression of		YES		
	c. Is there any proof for planning and management of the pro	viect available?	. ,	YES	1 8 1 11	
	d. Do the projects carried out are as per the standards and against of the projects carried out are as per the standards and against of the projects carried out are as per the standards and against of the projects carried out are as per the standards and against of the projects carried out are as per the standards and against out of the projects carried out are as per the standards and against out of the projects carried out are as per the standards and against out of the projects carried out are as per the standards and against out of the projects carried out are as per the standards and against out of the projects carried out are as per the standards and against out of the projects of the project of the p	ppropriate in	YES	TES		
- 1	e. Does each student in the group project have a clearly specified aim and objective for his or her part of the project and Individual contribution detailed in the project report?					
1	f. Does the Project Assessment contain a series of assessment stages to assess the performance and contribution of each student?		YES			
8	g. Is there a differentiated marking scheme observable for individual students in a group project?		YES		# 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	h. Are the projects effectively contributing to the achievements of Learning Outcomes in the areas of Design, Economic, Legal, Social, Ethical and Environmental context, and engineering practice?		YES			
C	Comments: The above missing points need to be included in assessment		- '			
Sı	uggestions for Improvement:		· ·			
1						



ustry Connect	Relevance		Evalu	ation	
Initiatives related to industry interesting	I.			ation	
	NBA 2.2.4	Mad 5 11			
a. Is there any proof for industry and the state of the s	NAAC 3.5.1, 3.5.2	Not Evident	Emerging	Established	Highly
impact analysis available for the Department?	ation details and		1	1/20	Developed
b. Are there any Industry linked laboratories available in the D				YES	
C. Is there evidence for the second about atories available in the Department			VEC		
c. is there evidence for effective utilization of indication	vidence for effective utilization of indication in the second of the sec		<i>y</i> E3	YES	
d. Are there any courses partially/fully deligners the relation of industry linked laboratories?			·488		
e. Percentage of students undergoing to the	xpert?	YES		VEC	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Department is up to the mark?	ner training in the			765	
Does the submitted				YRS	
n boes the submitted proof is relevant and sufficient for the evi	aluation?	=	147.5	1	1 1 1
Comments: Need to improve	aradion;		YES		1
	•				<del>-</del>
				•	
ouggestions for Improvement: Partial delivery of courses			4 1 h 4		
	b. Are there any Industry linked laboratories available in the Dec. Is there evidence for effective utilization of industry linked lad. Are there any courses partially/fully delivered by Industrial e. Percentage of students undergoing Industry Internship/sumr Department is up to the mark?  f. Does the submitted proof is relevant and sufficient for the evolution of the improve	Initiatives related to industry interaction, industry Internship/summer training  a. Is there any proof for industry related initiatives, implementation details and impact analysis available for the Department?  b. Are there any Industry linked laboratories available in the Department?  c. Is there evidence for effective utilization of industry linked laboratories?  d. Are there any courses partially/fully delivered by Industrial expert?  e. Percentage of students undergoing Industry Internship/summer training in the Department is up to the mark?  f. Does the submitted proof is relevant and sufficient for the evaluation?	Initiatives related to industry interaction, industry  internship/summer training  a. Is there any proof for industry related initiatives, implementation details and impact analysis available for the Department?  b. Are there any Industry linked laboratories available in the Department?  c. Is there evidence for effective utilization of industry linked laboratories?  d. Are there any courses partially/fully delivered by Industrial expert?  e. Percentage of students undergoing Industry Internship/summer training in the Department is up to the mark?  f. Does the submitted proof is relevant and sufficient for the evaluation?  Comments: Need to improve	Initiatives related to industry interaction, industry  Internship/summer training  a. Is there any proof for industry related initiatives, implementation details and impact analysis available for the Department?  b. Are there any Industry linked laboratories available in the Department?  c. Is there evidence for effective utilization of industry linked laboratories?  d. Are there any courses partially/fully delivered by Industrial expert?  e. Percentage of students undergoing Industry Internship/summer training in the Department is up to the mark?  f. Does the submitted proof is relevant and sufficient for the evaluation?  YES  Comments: Need to improve	Initiatives related to industry interaction, industry  Internship/summer training  Internship/summer training in the  Internship/summer training in the sum train

S/N	Criteria	Relevance			e4 1	
). Fac	ulty Information and Contribution			Evalu	ation	
22.	Faculty qualification and experience/Contribution to the improvement of student learning/Training programmes  a. Faculty Cadre Proportion	NBA 5.2 to 5.6, 5.7.1 to 5.7.4, 5.8, 5.9	Not Evident	Emerging	Established	Highly Developed
ı	b. Faculty Qualification				Yes	
t	c. Faculty Retention			, 1 ,	YES	er and age of
	d. Innovations by the Faculty in Teaching and Learning				YES	
1	e. Faculty participation in FDP/STTP			1,5	YES	The state of the second
	Comments: Good		1.7		YES	
5	Suggestions for Improvement:			- 10		

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. Fac	Criteria ulty Enrollment Strategies	Relevance	7	Fyalu	ation	Term
23.	Faculty Empowerment St.			Lvaio	ation	
		NAAC 6.3.3,	Not Friday			
	a. Professional Development/ Administrative training programs orgainstitution	6.3.4, 6.4.2	Not Evident	Emerging	Established	Highly
	institution regarded training programs orga	nized by the		YES		Developed
	b. Undergone Online/ face to face FDPs	S 7				die e
	c. Funds/ Grants received from NGOs/Individuals/Philanthropers	K 1 1 1	7 1	YES		1 4 1 2 2
	Comments: NPTEL ,FDPs STTPs need for all	· ·	YES		2	
	a = 7. 5. 3 51 FS fleed for all					
	Suggestions for Impress					
- 1	Suggestions for Improvement: Atleast one per year					

Res	Criteria earch & Innovation	Relevance		Evalu	ation	
1.						
	Research Mobilization & Innovation Ecosystem	NAAC 3.1.1, 3.1.2, 3.1.3, 3.2.2, 3.3.3	Not Evident	Emerging	Established	Highly Developed
	a. Grants received from Govt/ NGO agencies for research projections	ct	YES			
	b. Recognized Research guides		123		_	
ľ	c. Workshop/Seminar conducted on research methodology, IPR	<del></del>	2.0		YES	
	-ntrepreneurship			YES		
L	d. Books and chapters in edited volumes/books published and p National/International conference proceedings	paper published in		YES	4 7	
	Comments: Started the practice					
	Suggestions for Improvement Daniel					
	Suggestions for Improvement: Domain specific areas need to be	applied				
-						

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V	Criteria	Relevance		Fyalu	ation	
_	stry Connect					
•	Initiatives related to industry- interactions	NBA 2.2.4, 2.2.5	Not Evident	Emerging	Established	Highly Developed
	a. Industry involvement in curriculum design and impact and	alysis		YES		zevelopeu
	b. Industrial training for students and faculty members	1		YES		70.0
	c. Internships				YES	
	d. Industrial projects			YES		
	e. Industry supported labs			, ,	YES	
	f. Industry visits by Students /Faculty members				YES	,
	g. Industrial expert speakers			YES	3	
,	h. Industrial courses		YES			
	i. Consultancy		YES			
	Comments: Need to be improved		, ,			
٠						
	Suggestions for Improvement: Industry Academia interaction	n to be added based on	targets			

Please provide the following details, relevant to the Department in the space provided below:

### A. Strengths:

- 1. Faculty Cooperations
- 2. Faculty Competency
- 3. Online resources from library
- 4. Faculty Appraisal



- B. Weaknesses:
  - 1.Student Participation in External Events
  - 2. Publications
  - 3.CO attainments
  - 4.CO gap analysis
  - 5.Action TAken

- C. Opportunities:
  - 1.NPTEL Course
  - 2.Curriculum Development

D. Challenges: 1.Student Level of incoming

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- E. Concluding remarks related to Academic Performance of the Department:
  - 1.Curriculum Development with flexibility
  - 2.Flexibility in assessment
  - 3.Stakeholdrs feedback
  - 4.Lesson Plan format need to be change

Details of the External Auditor:	
Name: Dr.P.Sivaraman	Faculty profile link: www.bitsathy.ach   EEE faculty profile
Designation: Professor	Contact mail id:sivaramanpsr@gamil.com
Department:EEE	Contact Number:9842818251

Signature of the Auditee

Dr.KKon Mozu

Signature of the Auditor

**Academic and Administrative Audit** 

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### **INTERNAL QUALITY ASSURANCE CELL**

## ACADEMIC AND ADMINISTRATIVE AUDIT FOR THE ACADEMIC YEAR 2023 - 2024

# **Audit Report**

Department: Mechanical Engineering

Date of Audit: 27.07.2024

S/N	Criteria	Relevance		Eval	uation				
A. Vision, Mission and PEOs									
1.	State the Vision, Mission of the Department and Institute and Prgramme Educational Objectives	NBA 1.1	Not Evident	Emerging	Established	Highly Developed			
	a. Does the Vision indicate the aspirations of the department?	- 30 · · · · · · · · · · · · · · · · · ·			<b>√</b> 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5 5 1 5,1			
	b. Does the Mission statements help to achieve the Vision of the department?			-	1	a 7			
	Vision and mission are verified and suggestion given to modify the concent								

S/N	Criteria	Relevance				
4. Vis	on, Mission and PEOs	THEICVAILLE		Evalu	uation	
2.	Indicate whether the Vision, Mission and PEOs are published and disseminated among the stakeholders.	NBA 1.3/1.4 NAAC 2.6.1	Not Evident	Emerging	Established	Highly
ş	<ul> <li>a. Does the Vision, Mission and PEOs are available in Department, Institution's website &amp; curriculum?</li> <li>b. Any effective process implementation in practice to ensure awareness about Vision, Mission and PEOs to internal and external stakeholders?</li> </ul>			. 🗸		Develope
				✓		
	Comments: Vision mission and PEOs are published in website curriculum and					

S/N	Criteria	Relevance		Fyalı	uation	
A. Visi	on, Mission and PEOs			Lvaii	uation	
3.	Establish consistency of PEOs with Mission of the Department	NBA 1.5	Not Evident	Emerging	Established	Highly Developed
	a. Mission Vs PEOs matrix exists for the Department.				<b>✓</b>	
	b. Is the matrix sufficient to establish the consistency of PEOs with Mission of the Departments?				✓	
	Comments: PEOs may be reframed by updating the assessment					

**Suggestions for Improvement:** 

We have to educate the vision and mission in the class room

N	Criteria	Relevance		Evalu	ation				
	iculum Design and Development			9					
	Structure of the Curriculum, Planning, Implementation and Evaluation processes	NAAC 1.1.2, 1.1.3	Not Evident	Emerging	Established	Highly			
	a. Establishment of Curriculum Development Committee			\$ 41 To a	1	Developed			
± 1	b. Any proof for reviewing and updating the content of the courses from time to time?				<b>✓</b>				
	c. Adherence to academic calendar		* *		Yes				
	d. Participation of faculty members related to curriculum development and assessment				<b>✓</b>				
. [	Comments:								
	Minutes and approval committees are followed, all faculties in the allied departments are attended the meeting								
	Suggestions for Improvement:								
A	Action taken report should be signed by head of the departmen	nt and IQAC							

S/N	Criteria	Relevance	versity of the	Evalu	uation	
C. Aca	demic Flexibility	The second secon	a Carrier of the Carrier of	and the second of the second o	v 2 2 1	
5.	Curriculum provides additional choice of courses to meet the students' needs	NAAC 1.2.2, 1.2.3	Not Evident	Emerging	Established	Highly Developed
	a. Learning options provided for meeting out the industrial requirements		entiger assistants in the community of t		<b>✓</b>	
	b. If so, whether majority of the students got benefitted?			, <u>, , , , , , , , , , , , , , , , , , </u>	<b>1</b>	

	Comments: The one credit courses and layer learning courses should be into Need to introduces in the fifth semester onwards	roduced,				
	Suggestions for Improvement:				<del></del>	
S/N	Criteria	Relevance		Eval	uation	
	ching Learning Process				The state of the s	
6.	Methodologies used for enhancing learning experiences	NBA 2.1.2, 2.2.1 NAAC 2.3.1	Not Evident	Emerging	Established	Highly Developed
1	<ul> <li>a. Is there any proof for Experiential learning/Participative learn solving methodologies</li> </ul>	ning/Problem			•	
, e	b. Delivery details of content beyond syllabus satisfies the indus	trial expectations				
1 + 12	c. Does the submitted proof is relevant and sufficient for the eva	aluation	A to from	e di partir di Specialis di S	<b>✓</b>	
	Comments: Online materials, e-learning content should be developed and a	vail to the students				
	Suggestions for Improvement:					

S/N	Criteria	Relevance		Evalu	uation	*
D. Tea	ching Learning Process					I II abb
	ICT for effective teaching with Learning Management Systems (LMS), E-Learning resources, etc.	NBA 2.2.1 NAAC 2.3.2	Not Evident	Emerging	Established	Highly Developed
	a. Is there any proof for teachers using ICT facilities in the depart	any proof for teachers using ICT facilities in the department for effective		<b>✓</b>	** - " - " - " - " - " - " - " - " - " -	
	teaching?			<b>✓</b>		
	b. Is there proof for faculty members using LMS for the conduction of classes?  c. Is there proof for faculty members using E-Learning resources for effective			\$ 1.00 miles	<b>V</b>	
	teaching?					

	PERSONAL PROPERTY OF THE	
software		
Vr. m- p		
	software	software  ontent / video may be provide

S/N	Criteria	Relevance		Evalu	ation		
. Tead	ching Learning and Evaluation						
8.	Quality of end semester examination, periodical test question papers, assignments, and evaluation	NBA 2.2.2	Not Evident	Emerging	Established	Highly Developed	
	a. Number of End Semester Examination Question Papers Analyzed (Min.50%)				- · · · ·		
	b. Number of Periodical Examination Question Papers Analyzed (Min.50%)				1	Ven	
	c. Number of Course Files verified (at least one sample for each year is required)				<b>✓</b>	190.1	
20 mm	Comments:  Need to frame the questions based in RBT and weightages divide Course files are verified	s (60% R&U, 20%	-40% of High le	evel)			
	Suggestions for Improvement:  CO attainment of each test and end semester examinations may Remedial test assessment report should be added,	Suggestions for Improvement: CO attainment of each test and end semester examinations may be added.					

S/N	Criteria	Relevance	graf. O C. C.	Evalu	ation	9.00
F. Asse	essment			r i graff		# Y
9.	Quality of Assessment	NBA 2.2.2	Not Evident	Emerging	Established	Highly Developed
	a. Is the Standard, Appropriateness and Challenge of Examination Question Papers Satisfactory?			<b>*</b>		
4 4 L	b. Is there a Clear and Transparent Marking Criteria available for	all the Courses?	grand to the	✓		

C. Does the distribution of marks between Follows	4 4 4 4			
c. Does the distribution of marks between E Semester Examination and		<b>✓</b>		
Continuous Evaluation are well balanced?		103.4 (200.5)		
d. Is there a well-established Regulation exist for the students to get clarity about		a a		
the Assessment Established Regulation exist for the students to get clarity about			1	ATT THE RESIDENCE
the Assessment, Credit Scheme, Moderation, Condonement and Marking			The second	The state of the s
Comments:				Ast
			•	
Balance between the end semester examination and continuous avaluation				

**Suggestions for Improvement:** 

Making need to be improved, CO attainment should be framed

S/N	Criteria	Relevance		Fuel	uation					
3. Feed	dback	neievance		Eval	uation					
9 7 9	Student feedback on Teaching Learning process	NBA 2.2.1 NAAC 2.7.1	Not Evident	Emerging	Established	Highly Developed				
	a. Is there any proof available for students' feedback on Teaching Learning process?			<b>√</b> 1		Бечеюрей				
	b. Is the action planned based on the feedback?			✓						
1. 2	c. Does the submitted proof is relevant and sufficient for the evaluation?		. 60	<b>✓</b>	* * * * * * * * * * * * * * * * * * * *					
	Comments:			)						
	Course end survey added in each file.									
	Mid of the course, student feedback session may be conducted the action plan should be attached									
!	Suggestions for Improvement:									
	Student feedback should be included in the course file									

S/N	Criteria	Relevance		Evalu	ation				
. Atta	ainment of POs, COs & PSOs	A L		e jake to a symptom	and the state of the state of	sir jaar maragan			
11.	Establish the correlation between the courses and the Program Outcomes (POs) & Program Specific Outcomes (PSOs)	NBA 3.1	Not Evident	Emerging	Established	Highly Developed			
	a. Course Articulation Matrix Exists for the Department?				1				
	b. Program Articulation Matrix Exists for the Department?			134	1				
	c. Are the matrices sufficient to establish correlation between the courses and POs & PSOs?				<b>✓</b>				
	CO PO should be elaborated. Course outcomes need to be modified by accounting the extracurricular and co-curricular activities								
	Suggestions for Improvement: Matrices should be reframed as suggested								

S/N	Criteria	Relevance		Evalu	uation							
H. Atta	Attainment of POs, COs & PSOs											
12.	Describe the assessment tools and process used to gather the data upon which the evaluation of COs, each POs and PSOs is based.	NBA 3.2/3.3 NAAC 2.6.2	Not Evident	Emerging	Established	Highly Developed						
	a. Are the Assessment tools, question and rubrics used to measure students' learning and course outcomes are clear, sufficient and exemplified?				<b>*</b>							
	b. Are the Assessment tools, process for POs and PSOs are clear, sufficient and exemplified?			o volument	<b>*</b>							
	c. Is the process of Data collection, analysis and presentation for sufficient and exemplified?			<b>7</b>								
	Comments:											
	Suggestions for Improvement: Stake holder feedback, alumni member feedback are maintaine											

S
jiiii

5/N	Criteria	Relevance	and the state of the state of	Evalu	uation	
. Atta	ainment of POs, COs & PSOs					
13.	Record the attainment of Course Outcomes of courses with respect to set attainment levels.	NBA 3.2 NAAC 2.6.2	Not Evident	Emerging	Established	Highly Developed
	a. Are Course Outcome targets set and well established for the courses with proper justification?			<b>✓</b>		
	b. Are the attainment level of the Course Outcomes submitted are satisfactory for all the courses?			<b>✓</b>		
	c. Are the action plan satisfactory for courses with COs not attained?			1		
	Comments: Course outcome need to modify, respect to extra activities, pres Suggestions for Improvement: CO target fixing need to update	ng etc				

'N	Criteria	Relevance		Fund	uation	
Atta	inment of POs, COs & PSOs			LVal	uauon	
1.	Provide results for evaluation of each PO & PSO	NBA 3.3	Not Evident	Emerging	Established	Highly
-	a. Course - POs & PSOs Matrix available for Direct Attainme	nt?		* .		Develope
	b. Course - POs & PSOs Matrix available for Indirect Attainm	ent?			V 1 100	war and a
	c. Does the submitted proof is relevant and sufficient for the evaluation?				<b>✓</b>	A STATE OF THE STA
	Comments:	CValuations	1		1	
	Po & PSO matrix available			*		
	Indirect attainment documents are verified					
t	Suggestions for Improvement:					
	Assessment details documents are maintained					

S/N	Criteria	Relevance	9 8 3 1	Evaluation		
. Self-	Evaluation and Reflection			Evalu	lation	
CC	Action Taken based on the results of evaluation of each of the COs, POs and PSOs	NBA 3.3			Established	Highly Developed
	a. Is there any analysis of weakness in the program based on the evaluation of COs, POs & PSOs attainment level available?		1		Бечеюреа	
	b. Are there any measures identified and implemented to improve POs & PSOs attainment level through curriculum intervention and pedagogical initiatives?			<b>✓</b>		
	c. Does the submitted proof is relevant and sufficient for the eva	lluation?	30 × 4			
	Comments: Action taken report maintained. It is counter signed /verified by					
	Suggestions for Improvement: CO targets revision targets are need to maintained					

/N	Criteria	Relevance	of School of February	Evalu	lation	
Stud	dents Progression				314	
16.	Placement/Higher Education/ State/ National/International level examinations	NAAC 5.2.1, 5.2.2, 5.2.3 NBA 4.5	Not Evident	Emerging	Established	Highly Developed
	a. Placement of outgoing students		4	✓		
	b. Students progressing to Higher Education	- K - 1 - 20				
	c. Students Qualifying in GATE/CAT/TOEFL/Civil Services/State G				, = <sup>2</sup> 9, 1	
	Comments: Placement recorded are verified, 3-year data's available					

Higher studies, progress need to improved, motivate the students to do higher studies. Competitive exam, GATE/CAT should be improved. Suggestions for Improvement: Awareness session should be arranged to the students

/N	Criteria	Relevance	, a , a   1	Fyal	uation	
Stuc	dent Participation and Activities			Lvai		
7.	Co-curricular and Extra-curricular activities	NAAC 5.3.1, 5.3.3 NBA 4.6.1, 4.6.3	Not Evident	Emerging	Established	Highly Developed
-	a. Awards and Medals for outstanding performance in Sports		.3 Not Evident Emerging Established D			
1	b. Awards and Medals for outstanding performance in Cultural				1	
	c. Participation in Inter-Institution Events at other Institutions	· · · · · · · · · · · · · · · · · · ·			1	
	d. Professional Society/ Chapters and organizing engineering ev	ents		✓		
	Comments:			reduce of the	(1) 1965 (1) 1965 (1) 1965 (1)	
L	Documents are available. Try to add the extracurricular activities	s into curriculum map	with POs			
1 5	Suggestions for Improvement:				na i la milia de la compansión de la compa	
5	Society based activated must be improved					
- 1	The second secon					

S/N	Criteria	Relevance		Eval	uation	
	dent Support Systems					
18.	Services and resources provided to students to enhance their overall well-being.	NBA 9.1, 9.3, 9.4, 9.5, 9.6	Not Evident	Emerging	Established	Highly Developed
	a. Mentoring system helps students at individual level	d.				Developed
	b. Is there any proof available for students' feedback on facilitie	s			<b>✓</b>	
	c. Students involvement in Self Learning			<b>✓</b>		
W. T	d. Programmes/Initiatives for Career Guidance				1	

e. Entrepreneurship Development		4 - 1	<b>√</b>	
Comments:	7 1 1			

Student feedback file available, mentor document verified, self-learning technological advancement ED development- Students may be improved

**Suggestions for Improvement:** 

Career guidance programme may be conducted to all students

S/N	Criteria	Relevance	Evaluation				
1. Stu	ident Projects		D = 1 1 7 7 1				
	Quality of the students' Projects	NBA 2.2.3, 6.4	Not Evident	Emerging	Established	Highly Developed	
	a. Is the list of students' final year projects and individual proje POs and PSOs checked?		<b>√</b>				
	b. Publications from final year projects		27 7	<b>√</b>	, ,	30 19.	
e de la companya de l	c. Students undertaking field projects/internships			✓ ,	1		
	Comments: Project selection assessment rubrics, individual students' contribution, variation in assessment should be added  Suggestions for Improvement:						
	Industry based project should be improved Projects rubrics need changes						

S/N	Criteria	Relevance	Evaluation			
	ldent Projects				- (	Highly
20.	Quality of the students' Projects	NBA 2.2.3, 6.4	Not Evident	Emerging	Established	Developed
	a. Is there a clear guidance exist for the final year project selecti	on and allocation?			1	E -
	b. Is there any evidence for the supervision of faculty during the the project available?	progression of			· · ·	* . * = : . V
	c. Is there any proof for planning and management of the project	t available?			•	

	<b>✓</b>	
	<b>✓</b>	
	<b>V</b>	3-6-12-20
<b>√</b>	1 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -	
<b>✓</b>		

Marking patten need to elaborate in detail

# Suggestions for Improvement:

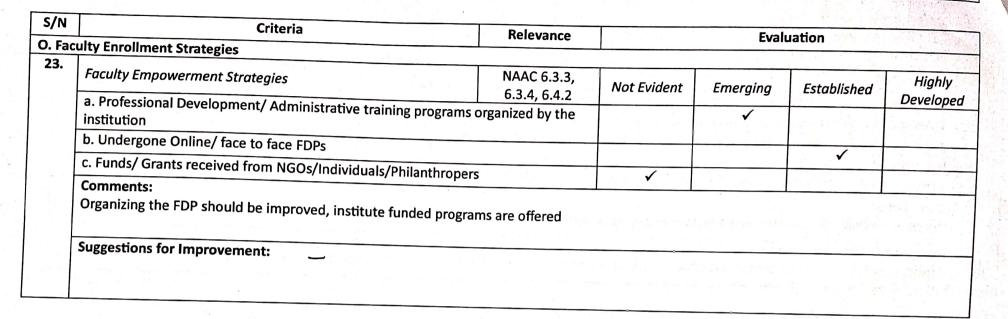
Plagiarism report may be added in the report, interdisciplinary project may be promoted, publication of report must be done, IPR filing maybe

S/N	Criteria	Relevance		Evalu	ation		
N. Ind	ustry Connect		1 T 1 T 1	production of the second		A Car	
21.	Initiatives related to industry interaction, industry internship/summer training	internship/summer training NAAC 3.5.1, 3.5.2			Established	Highly Developed	
	a. Is there any proof for industry related initiatives, implementation details and impact analysis available for the Department?				<b>V</b>		
	b. Are there any Industry linked laboratories available in the Department?			<b>√</b>		100	
	c. Is there evidence for effective utilization of industry linked laboratories?				1		
	d. Are there any courses partially/fully delivered by Industrial expert?					- 00 2	
	e. Percentage of students undergoing Industry Internship/summer training in the Department is up to the mark?			in a make see the		<b>✓</b>	
	f. Does the submitted proof is relevant and sufficient for the evaluation?			No commence	1	77.4	
	Comments: Center of excellence, industry-based facts are to be improved						
	Suggestions for Improvement: Industry defines problems, industry related labs, MOU to be done with MNCs, faculty training, students' internships should be done						

S/N	Criteria	Relevance	Evaluation				
O. Fac	ulty Information and Contribution		w - v				
22.	Faculty qualification and experience/Contribution to the improvement of student learning/Training programmes	NBA 5.2 to 5.6, 5.7.1 to 5.7.4, 5.8, 5.9	Not Evident	Emerging	Established	Highly Developed	
± ,,	a. Faculty Cadre Proportion		444	1	1.2		
	b. Faculty Qualification		4	<b>✓</b>			
	c. Faculty Retention			<b>√</b>		-1	
	Faculty qualification and experience/Contribution to the improvement of student learning/Training programmes  a. Faculty Cadre Proportion b. Faculty Qualification c. Faculty Retention d. Innovations by the Faculty in Teaching and Learning e. Faculty participation in FDP/STTP  Comments: Two candidates are completed PhD, all are pursuing PhD, one		H-2-1		<b>V</b>		
	e. Faculty participation in FDP/STTP			ay 0 9 7 7 0 0 5	<b>√</b>	of viceni	
	Comments:	er en		r	en i i i	1 2 1	
	Two candidates are completed PhD, all are pursuing PhD, one members attended FDP/ STTP courses	e candidate submitted	thesis, patent fil	ed by the facul	ty members, all	faculty	

Sugg	est	tions	for	Improvement:

_	100		
	1		
	1		



/N	Criteria	Relevance	1	Fyalı	lation	Land Colonia
	earch & Innovation		A Company of the Comp			. A Feet
3	Research Mobilization & Innovation Ecosystem	NAAC 3.1.1, 3.1.2, 3.1.3, 3.2.2, 3.3.3	Not Evident	Emerging	Established	Highly Developed
	a. Grants received from Govt/ NGO agencies for research project		1		Established	
	b. Recognized Research guides				AND A STEEL WENTER	
-		-	And the state of t	Total Control of the	$\frac{1}{8}$ $\frac{1}$	4.4
	<ul> <li>c. Workshop/Seminar conducted on research methodology, IPR a Entrepreneurship</li> </ul>	ind				
1 ·	<ul> <li>d. Books and chapters in edited volumes/books published and pa</li> <li>National/International conference proceedings</li> </ul>	per published in		<b>✓</b>		



	Co	m	m	ei	nts	
--	----	---	---	----	-----	--

Research innovation, Book chapter are moderate, the necessary action should be taken for the improvement

## **Suggestions for Improvement:**

Publication targets may be fixed to the faculty members

/N	Criteria	Relevance	,	Evalu	ation			
Indu	stry Connect	•						
25.	Initiatives related to industry- interactions	NBA 2.2.4, 2.2.5	Not Evident	Emerging	Established	Highly Developed		
	a. Industry involvement in curriculum design and impact analysi	S	· ~	in and the second of the secon	✓	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
	b. Industrial training for students and faculty members			es c	<b>√</b>			
	c. Internships			,	<b>✓</b>			
	d. Industrial projects			<b>√</b>				
	e. Industry supported labs	)		<b>√</b>				
Health ye	f. Industry visits by Students /Faculty members				<b>✓</b>			
	g. Industrial expert speakers							
	h. Industrial courses							
	i. Consultancy							
	Comments: Consultancy from the industry need improvement							



Please provide the following details, relevant to the Department in the space provided below:

## A. Strengths:

Faculty cadre ratio, seminar/ workshop organized, laboratory infrastructure

#### B. Weaknesses:

> Consultancy, research, industry-oriented activities, student project development, faculty retention

### C. Opportunities:

- > To frame/ develop new industry-oriented curriculum. Faculty research, activities (NIT registered PhDs)
- > Course content development by the establishment member of faculties
- > Entrepreneur development

#### D. Challenges:

- Research funding proposal, publications, IPR, reaching the industries for interaction
- > Student quality (admission)

- E. Concluding remarks related to Academic Performance of the Department:
  - > According to autonomous point, academics curriculum development needs more changes
  - > Course outcome measurement and correlations are need improvement
  - > Industry oriented courses(partial/fully) should be incorporated

Name: Dr. G. Kumaresan	Faculty profile link: <a href="https://www.bitsathy.ac.in/departments/faculty/kumaresan-g/#mechanical-engineering">https://www.bitsathy.ac.in/departments/faculty/kumaresan-g/#mechanical-engineering</a>					
Designation: Professor & Head	Contact mail id: hodmech@bitsathy.ac.in					
Department: Mechanical Engineering	Contact Number: 9524119045					

Signature of the Auditee

Dr. K. A. Sundararaman, Professor & Head

Signature of the Auditor

Dr. G. Kumaresan M.E., Ph.D. (NITT)
Professor & Head
Department of Mechanical Engineering
Bannari Amman Institute of Technology
Sathyamangalam - 638 401
Erode District. Tamil Nadu, India



#### **INTERNAL QUALITY ASSURANCE CELL**

#### ACADEMIC AND ADMINISTRATIVE AUDIT FOR THE ACADEMIC YEAR 2023 - 2024

## **Audit Report**

Department: Science & Humanities

Date of Audit: 27/07/2024

	ation	Evalu		Relevance	Criteria			
	A. Vision, Mission and PEOs  1. State the Vision, Mission of the Department and Institute and Prgramme Educational Objectives  a. Does the Vision indicate the aspirations of the department?  b. Does the Mission statements help to achieve the Vision of the department?  Comments:  Vision & Mission statements to be restructured.							
d Highly Developed	Established	Emerging	Not Evident	NBA 1.1				
	÷	<b>✓</b>	7 (	a. Does the Vision indicate the aspirations of the department?				
16 20 Salayan 1		<b>√</b> ,		b. Does the Mission statements help to achieve the Vision of the department?				
Suggestions for Improvement:  Vision & Mission statements to be restructured.  Suggestions for Improvement:  Vision statement to be stated by considering the milestones of the department for another 15 years and above.								

	Criteria	Relevance				
s. Curi	riculum Design and Development			Evalu	ation	
4.	Structure of the Curriculum, Planning, Implementation and Evaluation processes	NAAC 1.1.2, 1.1.3	Not Evident	Emoraia		
er	a. Establishment of Curriculum Development Committee	La contraction of the contractio		Emerging	Established	Highly Developed
	b. Any proof for reviewing and updating the content of the coutime?	rses from time to			✓ ✓	Бечеюрей
	c. Adherence to academic calendar					
	d. Participation of faculty members related to curriculum devel	opment and			Established  ✓  ✓	
	Comments:					

Suggestions for Improvement:

It is suggested to conduct department advisory board meeting comprising of internal members of faculty and it has to be documented prior to the conduct of BOS meeting.

/N	Criteria	Relevance	Heling to	Fyalı	ation	The state of the state of		
Aca	demic Flexibility	7, 1 7, 3, 1 , 3		LVAIC	acion			
5.	Curriculum provides additional choice of courses to meet the students' needs	NAAC 1.2.2, 1.2.3	Not Evident	Emerging	Established	Highly Developed		
	a. Learning options provided for meeting out the industrial requirements			of the beautiful to the	<b>√</b>			
	b. If so, whether majority of the students got benefitted?							
	Available for physics, mathematics and English departments.							
	Suggestions for Improvement: Three numbers of open electives in each discipline to be provid	ed for higher semeste	ers under basic	science stream.				

/N	Criteria	Relevance		Freel			
Tea	ching Learning Process			Evail	lation		
j.			Not Evident	Emerging	Established	Highly	
	a. Is there any proof for Experiential learning/Participative learning/Problem solving methodologies			<b>✓</b>	Localismen	Developed	
	b. Delivery details of content beyond syllabus satisfies the industrial expectations		<b>✓</b>		2 / 2		
	c. Does the submitted proof is relevant and sufficient for the even		<b>✓</b>				
	Content beyond syllabus under each unit need to be incorporated.						
	Suggestions for Improvement: Problem solving strategies to be extended to physics and chem departments	nistry departments wit	th respect to co	re field of stud	y across all the	engineering	

N	Criteria	Relevance	1 2 2 5	Evalu	uation		
ea	ching Learning Process						
	ICT for effective teaching with Learning Management Systems (LMS), E-Learning resources, etc.	NBA 2.2.1 NAAC 2.3.2	Not Evident	Emerging	Established	Highly Develope	
	<ul> <li>a. Is there any proof for teachers using ICT facilities in the depart teaching?</li> </ul>	ment for effective			<b>√</b>		
	b. Is there proof for faculty members using LMS for the conduction of classes?		1 11 2		1		
	c. Is there proof for faculty members using E-Learning resources teaching?	for effective		, .	<b>*</b>		
	d. Does the submitted proof is relevant and sufficient for the eva	luation?	4		1	1 1 1 1 1 1 1	
	Comments: NIL						
	Suggestions for Improvement: NIL		e para la				

/N	Criteria	Relevance						
Tead	ching Learning and Evaluation			Evalu	ation	on grant to the		
8.	Quality of end semester examination, periodical test question papers, assignments, and evaluation	NBA 2.2.2	Not Evident	Emerging	Established	Highly		
	a. Number of End Semester Examination Question Papers Analyzed (Min.50%)				- Instituti	Developed		
	b. Number of Periodical Examination Question Papers Analyzed (Min.50%)			<b>√</b>	, - 1 · ·			
	c. Number of Course Files verified (at least one sample for each			. A. 81 t 1				
	Comments:		<u> </u>					
	Quality of internal assessment question paper and semester examination question paper needs improvement.							
		ester examination	question paper	neeas improve	ement.			
	Suggestions for Improvement:	and the second second	- <u> </u>			1 2		
	Bloom's taxonomical verbs to be considered while setting the qu							

S/N	Criteria	Relevance		Fyalı	uation	17	
Asse	essment		V			* * * * * * * * * * * * * * * * * * *	
9.	Quality of Assessment	NBA 2.2.2	Not Evident	Emerging	Established	Highly Developed	
	<ul> <li>a. Is the Standard, Appropriateness and Challenge of Examination Question Papers Satisfactory?</li> </ul>			· · · · · · · · · · · · · · · · · · ·		Developed	
	b. Is there a Clear and Transparent Marking Criteria available for all the Courses?				/	2 "	
	c. Does the distribution of marks between End Semester Examination and Continuous Evaluation are well balanced?				<b>✓</b>		
-	d. Is there a well-established Regulation exist for the students to the Assessment, Credit Scheme, Moderation, Condonement and			<b>*</b>			
	Comments:  a. This criteria needs attention						
	Suggestions for Improvement: Lot (Lower Order Thinking) and hot (High Order Thinking) to be	incorporated in the	e question pape	r to achieve all	the three parar	neters.	

s/N	Criteria	Relevance		Evalu	uation	
. Fee	dback	,	a i			
10.	Student feedback on Teaching Learning process	NBA 2.2.1 NAAC 2.7.1	Not Evident	Emerging	Established	Highly Developed
	a. Is there any proof available for students' feedback on Teaching Learning process?			·	<b>*</b>	
	b. Is the action planned based on the feedback?				✓.	
	c. Does the submitted proof is relevant and sufficient for the	evaluation?	<b>✓</b>			
	Comments: No proof is available	2				6
	Suggestions for Improvement: All the data should be available with concerned HOD				- 1	

N/	Criteria	Relevance	1	Evalu	uation	
H. Attainment of POs, COs & PSOs  11.   Establish the correlation between the courses and the Program Outcomes (POs) & Program Specific Outcomes (PSOs)   NBA 3.1   Not Evident   Emerging   Established   Highly Developed						
1.		NBA 3.1	Not Evident	Emerging	Established	
	a. Course Articulation Matrix Exists for the Department?		6.	, ,	<b>V</b>	
	b. Program Articulation Matrix Exists for the Department?			-	<b>V</b>	
		e courses and POs			<b>*</b>	-
			,			- 1
	Suggestions for Improvement: NIL					

S/N	Criteria	Relevance		Evaluation		
G. Feedback					1	
10.	Student feedback on Teaching Learning process	1	Not Evident	Emerging	Established	Highly Developed
		ng Learning		2 20		
	b. Is the action planned based on the feedback?				<b>√</b> 1	
	c. Does the submitted proof is relevant and sufficient for the ev	<b>V</b>	*			
	· · · · · · · · · · · · · · · · · · ·					
					# 1	

S/N	Criteria	Relevance	- 1	Evalu	ıation	1
H. Atta	ainment of POs, COs & PSOs					
11.	Establish the correlation between the courses and the Program Outcomes (POs) & Program Specific Outcomes (PSOs)	Outcomes (POs) & Program Specific Outcomes (PSOs)				Highly Developed
	a. Course Articulation Matrix Exists for the Department?	1	,		√ ·	_
	b. Program Articulation Matrix Exists for the Department?				✓ "	
	c. Are the matrices sufficient to establish correlation between the & PSOs?			<b>*</b>	*	
	Comments: NIL					
	Suggestions for Improvement: NIL					

		Evaluation			
inment of POs, COs & PSOs					
Describe the assessment tools and process used to gather the data upon which the evaluation of COs, each POs and PSOs is based.	NBA 3.2/3.3 NAAC 2.6.2	Not Evident	Emerging	Established	Highly Developed
a. Are the Assessment tools, question and rubrics used to measu learning and course outcomes are clear, sufficient and exemplifie		✓			
b. Are the Assessment tools, process for POs and PSOs are clear, exemplified?	in a special section of the section	<b>√</b> 2			
c. Is the process of Data collection, analysis and presentation for sufficient and exemplified?	<b>✓</b>				
Comments: a. Clear b. Clear c. To be documented					
	data upon which the evaluation of COs, each POs and PSOs is based.  a. Are the Assessment tools, question and rubrics used to measu learning and course outcomes are clear, sufficient and exemplifie b. Are the Assessment tools, process for POs and PSOs are clear, exemplified?  c. Is the process of Data collection, analysis and presentation for sufficient and exemplified?  Comments:  a. Clear  b. Clear	data upon which the evaluation of COs, each POs and PSOs is based.  a. Are the Assessment tools, question and rubrics used to measure students' learning and course outcomes are clear, sufficient and exemplified?  b. Are the Assessment tools, process for POs and PSOs are clear, sufficient and exemplified?  c. Is the process of Data collection, analysis and presentation for COs attainment sufficient and exemplified?  Comments:  a. Clear  b. Clear  c. To be documented	data upon which the evaluation of COs, each POs and PSOs is based.  a. Are the Assessment tools, question and rubrics used to measure students' learning and course outcomes are clear, sufficient and exemplified?  b. Are the Assessment tools, process for POs and PSOs are clear, sufficient and exemplified?  c. Is the process of Data collection, analysis and presentation for COs attainment sufficient and exemplified?  Comments:  a. Clear  b. Clear  c. To be documented	data upon which the evaluation of COs, each POs and PSOs is based.  a. Are the Assessment tools, question and rubrics used to measure students' learning and course outcomes are clear, sufficient and exemplified?  b. Are the Assessment tools, process for POs and PSOs are clear, sufficient and exemplified?  c. Is the process of Data collection, analysis and presentation for COs attainment sufficient and exemplified?  Comments:  a. Clear  b. Clear  c. To be documented	data upon which the evaluation of COs, each POs and PSOs is based.  a. Are the Assessment tools, question and rubrics used to measure students' learning and course outcomes are clear, sufficient and exemplified?  b. Are the Assessment tools, process for POs and PSOs are clear, sufficient and exemplified?  c. Is the process of Data collection, analysis and presentation for COs attainment sufficient and exemplified?  Comments:  a. Clear  b. Clear  c. To be documented

This has to be prepared by subject handling member of a particular course after the conduct of all the exams conducted.

S/N	Criteria	Relevance		Evalu	uation			
H. Atta	ninment of POs, COs & PSOs		1					
13.	Record the attainment of Course Outcomes of courses with respect to set attainment levels.	NBA 3.2 NAAC 2.6.2	Not Evident	Emerging	Established	Highly Developed		
	a. Are Course Outcome targets set and well established for the courses with proper justification?			est y				
	b. Are the attainment level of the Course Outcomes submitted are satisfactory for all the courses?		<b>√</b>		* * * * * * *			
	c. Are the action plan satisfactory for courses with COs not attain	<b>✓</b>						
	Comments: Target and action plan are not available with the department							
			4					

1. Target for Cos to be fixed he department at the time of advisory board menng

2. Action plan for slow learners at the end of each test to be documented and implemented.

S/N	Criteria	Relevance	41	Evaluation		
H. Atta	ainment of POs, COs & PSOs		1 100			
14.	Provide results for evaluation of each PO & PSO	NBA 3.3	Not Evident	Emerging	Established	Highly Developed
	a. Course – POs & PSOs Matrix available for Direct Attainment?	7.4	<b>✓</b>			) —
	b. Course – POs & PSOs Matrix available for Indirect Attainment?		<b>✓</b>			, ,
	c. Does the submitted proof is relevant and sufficient for the eval	<b>✓</b>				
	Comments:	r - r - r - 7		20.10	- 1	
	No data is available in the department					
			*			
	Suggestions for Improvement:					
	Individual faculty has to prepare for the courses handled by the	m				
		-				

S/N	Criteria	Relevance	Evaluation			
I. Self-	Evaluation and Reflection					
	Action Taken based on the results of evaluation of each of the COs, POs and PSOs	NBA 3.3	Not Evident	Emerging	Established	Highly Developed
	a. Is there any analysis of weakness in the program based on the analysis of evaluation of COs, POs & PSOs attainment level available?				,	. ,
	b. Are there any measures identified and implemented to improve POs & F attainment level through curriculum intervention and pedagogical initiative					, -
	c. Does the submitted proof is relevant and sufficient for the eval	uation?				
	Comments: Not Applicable					



Suggestions for Improvement:						
				ja seje		

S/N	Criteria	Relevance		Evaluation			
J. Students Progression  16. Placement/Higher Education/ State/ National/International Fig. 2.5.2.3. Not Evident Emerging Established Highly							
16.		Not Evident	Emerging	Established	Highly Developed		
	a. Placement of outgoing students	1,2	1				
	b. Students progressing to Higher Education			to the state of th			
	c. Students Qualifying in GATE/CAT/TOEFL/Civil Services/State G						
	Suggestions for Improvement: Not Applicable						

S/N	Criteria	Relevance	Evaluation			
K. Stud	dent Participation and Activities					
17.	Co-curricular and Extra-curricular activities	NAAC 5.3.1, 5.3.3 NBA 4.6.1, 4.6.3	Not Evident	Emerging	Established	Highly Developed
	a. Awards and Medals for outstanding performance in Sports		11			
	b. Awards and Medals for outstanding performance in Cultural	,				- " =
	c. Participation in Inter-Institution Events at other Institutions			= p +		
	d. Professional Society/ Chapters and organizing engineering ev	ents	, ,			

Page 9 of 16

Comments:				; ·	
Not Applicable					
1 P					
, ii		 	9.2		
Suggestions for Improvement:				9	
Not Applicable					

S/N	Criteria	Relevance	Evaluation			
. Stuc	Student Support Systems  18. Services and resources provided to students to enhance their overall well-being.  a. Mentoring system helps students at individual level  b. Is there any proof available for students' feedback on facilities  c. Students involvement in Self Learning  d. Programmes/Initiatives for Career Guidance  e. Entrepreneurship Development  Comments:					
18.	· ·		Not Evident	Emerging	Established	
	a. Mentoring system helps students at individual level	\$ 4°		~		
	b. Is there any proof available for students' feedback on facilities				1	
	c. Students involvement in Self Learning				1	-
	d. Programmes/Initiatives for Career Guidance					
	e. Entrepreneurship Development		<b>✓</b>			
	Comments:  No evidence is available for regular mentoring and entrepreneurship development  Students are encouraged to take up NPTEL exams/paper presentations in seminars					
	Suggestions for Improvement:  To conduct regular mentoring session 15 days once  Maintain attendance with Geo tagged photos and activate the second s	on taken reports				

S/N	Criteria	Relevance		Evaluation		
M. Stu	dent Projects			1 T. L.		
19.	Quality of the students' Projects	NBA 2.2.3, 6.4	Not Evident	Emerging	Established	Highly Developed
-	a. Is the list of students' final year projects and individual project mapped with POs and PSOs checked?					
	b. Publications from final year projects	*	a			

c. Students undertaking field p	rojects/internships		· ·		
Comments: Not Applicable					
		· · · · · · · · · · · · · · · · · · ·			
Suggestions for Improvement:				4	
	,				

/N	Criteria	Relevance		Evalu	uation	-
. Stu	dent Projects			* ~ <sub>3</sub>		
20.	Quality of the students' Projects	NBA 2.2.3, 6.4	Not Evident	Emerging	Established	Highly Developed
	a. Is there a clear guidance exist for the final year project selec	tion and allocation?	,			
	b. Is there any evidence for the supervision of faculty during the project available?					
	c. Is there any proof for planning and management of the proje	ect available?	,	(		11.2
	d. Do the projects carried out are as per the standards and app satisfying the Learning Outcomes?					
	e. Does each student in the group project have a clearly specific objective for his or her part of the project and Individual contribute project report?					
	f. Does the Project Assessment contain a series of assessment sperformance and contribution of each student?	stages to assess the				1
	g. Is there a differentiated marking scheme observable for indigroup project?	vidual students in a		9 1 g		
	h. Are the projects effectively contributing to the achievement. Outcomes in the areas of Design, Economic, Legal, Social, Ethic Environmental context, and engineering practice?					a .
×	Comments: Not Applicable		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -			



Suggestions for Improvement:				
			era espera en espera	
 	7			

/N	Criteria	Relevance	Evaluation			
N. Industry Connect  21. Initiatives related to industry interaction, industry NBA 2.2.4 Not Evident Emerging Established Developed  a. Is there any proof for industry related initiatives, implementation details and impact analysis available for the Department?  b. Are there any Industry linked laboratories available in the Department?  c. Is there evidence for effective utilization of industry linked laboratories?  d. Are there any courses partially/fully delivered by Industrial expert?  e. Percentage of students undergoing Industry Internship/summer training in the Department is up to the mark?  f. Does the submitted proof is relevant and sufficient for the evaluation?  Comments:						
1.			Not Evident	Emerging	Established	
	b. Are there any Industry linked laboratories available in the Department?			-		
	c. Is there evidence for effective utilization of industry linked laboratories?					
	d. Are there any courses partially/fully delivered by Industrial ex					
		ner training in the				*
	f. Does the submitted proof is relevant and sufficient for the eva	luation?		1		
	Comments: Not Applicable					
	Suggestions for Improvement:					

S/N	Criteria	Relevance	Evaluation				
O. Fac	ulty Information and Contribution	•				9.9	
22.	Faculty qualification and experience/Contribution to the improvement of student learning/Training programmes	NBA 5.2 to 5.6, 5.7.1 to 5.7.4, 5.8, 5.9	Not Evident	Emerging	Established	Highly Developed	
	a. Faculty Cadre Proportion			<b>✓</b>			
	b. Faculty Qualification	1		<b>/</b>	<b>✓</b>	311	
	c. Faculty Retention		<b>✓</b>			1 2	
	d. Innovations by the Faculty in Teaching and Learning		<b>/</b>			8 3	
	e. Faculty participation in FDP/STTP				1		

Faculties may be allowed to participe teaching pedagogies organized by training institutions of national repute

#### Suggestions for Improvement:

- Faculties may be encouraged to present research papers in national & international conferences
- Faculties are encouraged to organize workshops/FDPs/STTP

S/N	Criteria	Relevance		Evalu	ation	1 1			
O. Fac	Faculty Enrollment Strategies								
23.	Faculty Empowerment Strategies	owerment Strategies NAAC 6.3.3, 6.3.4, 6.4.2 Not Evident Emerging		Emerging	Established	Highly Developed			
	a. Professional Development/ Administrative training programs organized by the institution				<b>*</b>				
	b. Undergone Online/ face to face FDPs			<b>✓</b>					
ŀ	c. Funds/ Grants received from NGOs/Individuals/Philanthrope	1	_+	*					
	Comments: Proposals to be submitted to the suitable government funding agencies								
	Suggestions for Improvement: Identification of the funding agency with novel research proble	em			- (£				

S/N	Criteria	Relevance	Evaluation					
O. Res	earch & Innovation							
24.	Research Mobilization & Innovation Ecosystem  NAAC 3.1.1, 3.1.2, 3.1.3, 3.2.2, 3.3.3			Emerging	Established	Highly Developed		
	a. Grants received from Govt/ NGO agencies for research project		<b>✓</b>					
	b. Recognized Research guides		<b>✓</b>			-		
	c. Workshop/Seminar conducted on research methodology, IPR and Entrepreneurship		1	,		,		
	d. Books and chapters in edited volumes/books published and p National/International conference proceedings	aper published in			1 1			



Comments:

Journal publication count to be impred

Suggestions for Improvement:

The department to be elevated to research department after qualifying for research supervisor status by all the Ph.D holders.

/N	Criteria	Relevance		Evalu	ation	
Indu	ustry Connect					
25.	Initiatives related to industry- interactions	NBA 2.2.4, 2.2.5	Not Evident	Emerging	Established	Highly Developed
	a. Industry involvement in curriculum design and impact analysi	S		,		
	b. Industrial training for students and faculty members			,		3 1
	c. Internships		1			
	d. Industrial projects					
	e. Industry supported labs					
	f. Industry visits by Students /Faculty members	_				
	g. Industrial expert speakers					
	h. Industrial courses					
	i. Consultancy					
	Comments: Not Applicable					
	Suggestions for Improvement:	-	,			,

Please provide the following details, relevanted the Department in the space provided below:

#### A. Strengths:

- 1. Highly qualified teaching fraternity
- 2. Established laboratories to conduct experiments in B.E & B. Tech programmes
- 3. Excellent team work

#### B. Weaknesses:

- 1. Research facilities
- 2. Recognized research supervisors
- 3. Funding oppourtunities

#### C. Opportunities:

- 1. Seed money grant to initiate research activities
- 2. Infrastructural facilities
- 3. Allowed to visit well established research laboratories with On Duty

#### D. Challenges:

- 1. Students proficiency level and readiness for learning
- 2. Maintenance of slow learners of attendance
- 3. Teaching learning aids
- 4. Repetition of data entered manually in student log book and course files

## E. Concluding remarks related to Academic Performance of the Department:

- 1. The department is progressing well with respect to teaching and learning process
- 2. Lagging in the part of research and development activities
- 3. It would be better to organize conferences and workshops at least twice in a year
- 4. Interaction with eminent scientist need to be enhanced.



Details of the External Auditor:	
Name: Dr. K. Sadasivam	Faculty profile link: https://www.bitsathy.ac.in/departments/faculty/sadasivam-
Designation: Professor	Contact mail id:sadasivamk@bitsathy.ac.in
Department: Physics	Contact Number: 9443721521

Signature of the Auditee

(Dr. P.S. Sathresh Kamar)

Signature of the Auditor

Dr Sadasivam K M.Sc., M.Phil., Ph.D. Professor Department of Physics

Department of Physics
Bannari Amman Institute of Technology
Sathyamangalam - 638 401.

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#### INTERNAL QUALITY ASSURANCE CELL

## ACADEMIC AND ADMINISTRATIVE AUDIT FOR THE ACADEMIC YEAR 2023 - 2024

## **Audit Report**

**Department: Management Studies** 

Date of Audit: 27.07.2024

S/N	Criteria	Relevance		Evaluation		
A. Vision, Mission and PEOs  1. State the Vision, Mission of the Department and Institute and Prgramme Educational Objectives a. Does the Vision indicate the aspirations of the department? b. Does the Mission statements help to achieve the Vision of the department?  Comments:  Not Evident Emerging Established Developed  Yes  Yes  Comments:						
1.		NBA 1.1	Not Evident	Emerging	Established	
	a. Does the Vision indicate the aspirations of the department?			Yes		4 52
	b. Does the Mission statements help to achieve the Vision of the department?			Yes		
	Suggestions for Improvement:  • Nil					



S/N	Criteria	Relevance		Evaluation		
A. Visi						
2.			Not Evident	Emerging	Established	Highly Developed
				Yes	· · ·	7 ( = 1 s) 2
				Yes		74 A
	Comments:  • Nil					
	Suggestions for Improvement:  • Nil					
						9

S/N	Criteria	Relevance		Eval	uation	we that its
A. Vision, Mission and PEOs  Establish consistency of PEOs with Mission of the Department NBA 1.5 Not Evident Emerging Established Developed  a. Mission Vs PEOs matrix exists for the Department.  b. Is the matrix sufficient to establish the consistency of PEOs with Mission of the Departments?  Yes  Yes						
3.	Establish consistency of PEOs with Mission of the Department	NBA 1.5	Not Evident	Emerging	Established	
	a. Mission Vs PEOs matrix exists for the Department.	Yes			a statis	
						-
	Comments:  • Nil					
	Suggestions for Improvement:  • Nil				-	

5/N	Criteria	Relevance	Evaluation			
. Cur	riculum Design and Development	,				-
4.	Structure of the Curriculum, Planning, Implementation and Evaluation processes	NAAC 1.1.2, 1.1.3	Not Evident	Emerging	Established	Highly Developed
	a. Establishment of Curriculum Development Committee				Yes	100
	b. Any proof for reviewing and updating the content of the courses from time to time?		- , , , , ,		Yes	
	c. Adherence to academic calendar		Yes		. ! :	
	d. Participation of faculty members related to curriculum deve assessment	Yes			·	
	Comments:  • College Academic Calendar and Department Calendar					
	Suggestions for Improvement:  • Nil					

S/N	Criteria	Relevance		Evalı	uation			
C. Aca	demic Flexibility			7				
5.	Curriculum provides additional choice of courses to meet the students' needs	NAAC 1.2.2, 1.2.3	Not Evident	Emerging	Established	Highly Developed		
	a. Learning options provided for meeting out the industrial requirements			Yes				
	b. If so, whether majority of the students got benefitted?			Yes				
	Comments:  • Nil		, d **					
	Suggestions for Improvement:							
	• Nil	,						

S/N	Criteria	Relevance	Evaluation			
D. Tea	ching Learning Process					
6.	Methodologies used for enhancing learning experiences	NBA 2.1.2, 2.2.1 NAAC 2.3.1	Not Evident	Emerging	Established	Highly Developed
	a. Is there any proof for Experiential learning/Participative learning/Problem solving methodologies		, i , i i -		Yes	7
	b. Delivery details of content beyond syllabus satisfies the industrial expectations			Yes		·
	c. Does the submitted proof is relevant and sufficient for the evaluation		Yes		9	
	Comments:			and the second		
	Suggestions for Improvement:  • Nil					- 1

S/N	Criteria	Relevance		Evalu	uation	
). Tead	ching Learning Process			ja ja	(8)	
7.	ICT for effective teaching with Learning Management Systems (LMS), E-Learning resources, etc.	NBA 2.2.1 NAAC 2.3.2	Not Evident	Emerging	Established	Highly Developed
	a. Is there any proof for teachers using ICT facilities in the depart teaching?	ment for effective		Yes		,
	b. Is there proof for faculty members using LMS for the conduction of classes?			Yes		
	c. Is there proof for faculty members using E-Learning resources for effective teaching?			Yes	· · ·	
	d. Does the submitted proof is relevant and sufficient for the evaluation?		4.1	Yes	h h v 3	. + 563, Net . 1
	Comments:  • Nil					
	Suggestions for Improvement:  • Nil					-





S/N	Criteria	Relevance		Evaluation		
E. Teaching Learning and Evaluation  8. Quality of end semester examination, periodical test question  NBA 2.2.2 Not Evident Emerging Established						
8.		NBA 2.2.2	Not Evident	Emerging	Established	Highly Developed
,	a. Number of End Semester Examination Question Papers Analyzed (Min.50%)				Yes	
	b. Number of Periodical Examination Question Papers Analyzed (Min.50%)				Yes	7
	c. Number of Course Files verified (at least one sample for each y	/ear is required)			Yes	
	Comments:  • Nil					· ·
	Suggestions for Improvement:  • Nil					

S/N	Criteria	Relevance	Evaluation			
F. Asse	essment					
9.	Quality of Assessment	NBA 2.2.2	Not Evident	Emerging	Established	Highly Developed
	a. Is the Standard, Appropriateness and Challenge of Examination Question Papers Satisfactory?			Yes	_	-
	b. Is there a Clear and Transparent Marking Criteria available for all the Courses?			Yes	· ·	
	c. Does the distribution of marks between End Semester Examination and Continuous Evaluation are well balanced?			Yes		
	d. Is there a well-established Regulation exist for the students to the Assessment, Credit Scheme, Moderation, Condonement and	Yes				
-	Comments:  • Subject faculty, Question setter and evaluator – Check the integrity  • More failures in Statistics for management					
	Suggestions for Improvement:  • High Transparency is required 9.d					

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S/N	Criteria	Relevance		Evaluation			
i. Fee	dback				7		
10.	Student feedback on Teaching Learning process	NBA 2.2.1 NAAC 2.7.1	Not Evident	Emerging	Established	Highly Developed	
	a. Is there any proof available for students' feedback on Teaching Learning process?		1.		Yes		
	b. Is the action planned based on the feedback?			Yes			
	c. Does the submitted proof is relevant and sufficient for the evaluation?			Yes	,		
	Comments:  • Nil						
	Suggestions for Improvement:  • Nil						

S/N	Criteria	Relevance	Evaluation			
H. Atta	H. Attainment of POs, COs & PSOs  11. Establish the correlation between the courses and the Program  NBA 3.1 Not Evident Emerging Established  Frequence For the Course of the Course of the Program NBA 3.1 Not Evident Emerging Established					
11.		NBA 3.1	Not Evident	Emerging	Established	Highly Developed
	a. Course Articulation Matrix Exists for the Department?		Yes			3
	b. Program Articulation Matrix Exists for the Department?		Yes			
			Yes			
	Suggestions for Improvement:  • Nil					
		· ·				



S/N	Criteria	Relevance	Evaluation			
H. Atta	ainment of POs, COs & PSOs		•			
12.	Describe the assessment tools and process used to gather the data upon which the evaluation of COs, each POs and PSOs is based.  NBA 3.2/3.3 NAAC 2.6.2			Emerging	Established	Highly Developed
	a. Are the Assessment tools, question and rubrics used to measure students' learning and course outcomes are clear, sufficient and exemplified?  b. Are the Assessment tools, process for POs and PSOs are clear, sufficient and exemplified?			Yes		¥ 144
			Yes			
	c. Is the process of Data collection, analysis and presentation for COs attainment sufficient and exemplified?		Yes	,		
	Comments:  • Nil					
	Suggestions for Improvement:					
,	• Nil					

S/N	Criteria	Relevance	,	Evalu	uation		
H. Atta	ainment of POs, COs & PSOs						
13.	Record the attainment of Course Outcomes of courses with respect to set attainment levels.	NBA 3.2 NAAC 2.6.2	Not Evident	Emerging	Established	Highly Developed	
	a. Are Course Outcome targets set and well established for the courses with proper justification?		Yes				
	b. Are the attainment level of the Course Outcomes submitted are satisfactory for all the courses?		Yes			7	
	c. Are the action plan satisfactory for courses with COs not attained?		Yes			- 1	
	Comments:  • Nil						
	Suggestions for Improvement:  • Attainment of Bloom's Taxonomy is recommended for Internal tests						



S/N	Criteria	Relevance		Evalu	uation	
H. Atta	inment of POs, COs & PSOs		•			
14.	Provide results for evaluation of each PO & PSO	NBA 3.3	Not Evident	Emerging	Established	Highly Developed
	a. Course – POs & PSOs Matrix available for Direct Attainment?		Yes		-	
	b. Course – POs & PSOs Matrix available for Indirect Attainment?		Yes		-	
	c. Does the submitted proof is relevant and sufficient for the eva	uation?	Yes		2. *	
	Comments:				= .	ille a
	• Nil					

/N	Criteria	Relevance	Evaluation			
Self-	Evaluation and Reflection					
15.	Action Taken based on the results of evaluation of each of the COs, POs and PSOs	NBA 3.3	Not Evident	Emerging	Established	Highly Developed
	a. Is there any analysis of weakness in the program based on the analysis of evaluation of COs, POs & PSOs attainment level available?		Yes		_	-
	b. Are there any measures identified and implemented to improve POs & PSOs attainment level through curriculum intervention and pedagogical initiatives?		Yes		-	ا المالية
	c. Does the submitted proof is relevant and sufficient for the evaluation?		Yes	¥		
	Comments:  • No Exercises for Slow learners					
	Suggestions for Improvement:  • Nil			· .		

Suggestions for Improvement:

• CO, PO Attainment is not evident for CIA, End Semester Examination

S/N	Criteria	Relevance	Evaluation			H 3 4
J. Stud	ents Progression		785 2 2 7			, * m
16.	Placement/Higher Education/ State/ National/International level examinations	NAAC 5.2.1, 5.2.2, 5.2.3 NBA 4.5	Not Evident	Emerging	Established	Highly Developed
	a. Placement of outgoing students			Yes		
	b. Students progressing to Higher Education		Yes		n maga	
	c. Students Qualifying in GATE/CAT/TOEFL/Civil Services/State G	overnment exam	Yes		The state of the s	
	Comments:  • Applicable for Next academic year					
	Suggestions for Improvement:  • Nil		-	5. j.s.		

S/N	Criteria	Relevance		Evalu	ıation	<u> </u>
K. Stud	dent Participation and Activities		<u> </u>			,
17.	Co-curricular and Extra-curricular activities	NAAC 5.3.1, 5.3.3 NBA 4.6.1, 4.6.3	Not Evident	Emerging	Established	Highly Developed
	a. Awards and Medals for outstanding performance in Sports		7	Yes		
	b. Awards and Medals for outstanding performance in Cultural		=	Yes		
	c. Participation in Inter-Institution Events at other Institutions			Yes	P	
	d. Professional Society/ Chapters and organizing engineering events		Yes		1.4	<u> </u>
	Comments:  • Nil					
-	Suggestions for Improvement:  • Nil					



S/N	Criteria	Relevance		Evalu	ation	
L. Student Support Systems  18. Services and resources provided to students to enhance their overall well-being.  a. Mentoring system helps students at individual level  b. Is there any proof available for students' feedback on facilities  NBA 9.1, 9.3, 9.4, 9.5, 9.6  Not Evident  Emerging  Established  Yes						- 3
18.	Services and resources provided to students to enhance their overall well-being.		Not Evident	Emerging	Established	Highly Developed
	a. Mentoring system helps students at individual level	- · ·		Yes	· · · · · · · · · · · · · · · · · · ·	
	b. Is there any proof available for students' feedback on facilities	es			Yes	
	c. Students involvement in Self Learning		- 0	-	Yes	
	d. Programmes/Initiatives for Career Guidance		,		Yes	
	e. Entrepreneurship Development				Yes	,
	Comments:  • Nil					
	Suggestions for Improvement:  • Nil		·			,

S/N	Criteria	Relevance	Evaluation						
1. Stu	Student Projects Highly								
19.	Quality of the students' Projects	NBA 2.2.3, 6.4	Not Evident	Emerging	Established	Highly Developed			
	a. Is the list of students' final year projects and individual project mapped with POs and PSOs checked?				Yes				
	b. Publications from final year projects				Yes				
	c. Students undertaking field projects/internships	•			Yes				
	Prizes and Certificate recommended for best projects a	nd Internships							
	Suggestions for Improvement:  • Nil			,					

S/N	Criteria	Relevance		Evaluation		
M. Stu	dent Projects		3		2 2	
20.	Quality of the students' Projects	NBA 2.2.3, 6.4	Not Evident	Emerging	Established	Highly Developed
-	a. Is there a clear guidance exist for the final year project selecti	on and allocation?	2	Yes		
	b. Is there any evidence for the supervision of faculty during the progression of the project available?				Yes	
	c. Is there any proof for planning and management of the project	t available?		***************************************	Yes	
	d. Do the projects carried out are as per the standards and appropriate in satisfying the Learning Outcomes?				Yes	
	e. Does each student in the group project have a clearly specified aim and objective for his or her part of the project and Individual contribution detailed in the project report?			Yes 		
	f. Does the Project Assessment contain a series of assessment stages to assess the performance and contribution of each student?			-	Yes	
	g. Is there a differentiated marking scheme observable for individ group project?	dual students in a	Yes			
	h. Are the projects effectively contributing to the achievements of Learning Outcomes in the areas of Design, Economic, Legal, Social, Ethical and Environmental context, and engineering practice?		Yes			220
	Comments:  • ESG, NGO Projects are recommended				ar e a c	
	Suggestions for Improvement:  Nil		- ,	/2 -		
		*			11	

C	n
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S/N	Criteria	Relevance		Evalu	uation	
N. Ind	ustry Connect					
21.	Initiatives related to industry interaction, industry internship/summer training	NBA 2.2.4 NAAC 3.5.1, 3.5.2	Not Evident	Emerging	Established	Highly Developed
	a. Is there any proof for industry related initiatives, implementation details and impact analysis available for the Department?			Yes	* * * * * * * * * * * * * * * * * * *	
	b. Are there any Industry linked laboratories available in the Department?		Yes	gendes		
	c. Is there evidence for effective utilization of industry linked laboratories?		Yes			
	d. Are there any courses partially/fully delivered by Industrial expert?		Yes			
	e. Percentage of students undergoing Industry Internship/summer training in the Department is up to the mark?			Yes		
	f. Does the submitted proof is relevant and sufficient for the evaluation?				Yes	
	Comments:  • Nil			u u	8	
	Suggestions for Improvement:  • Nil					

S/N	Criteria	Relevance	Evaluation			1 2 2
O. Facı	ulty Information and Contribution	1		6		J. jin
22.	Faculty qualification and experience/Contribution to the improvement of student learning/Training programmes	NBA 5.2 to 5.6, 5.7.1 to 5.7.4, 5.8, 5.9	Not Evident	Emerging	Established	Highly Developed
	a. Faculty Cadre Proportion		8	Yes		
	b. Faculty Qualification		ye 1 - 1	Yes	15 K	h
	c. Faculty Retention		_	Yes		4.
	d. Innovations by the Faculty in Teaching and Learning			Yes		, j
	e. Faculty participation in FDP/STTP	-		Yes	- 9	, a
	Comments:  • Nil	المستعدد الم				
	Suggestions for Improvement:  • Nil					

S/N	Criteria	Relevance		Eval	uation	
O. Faci	ulty Enrollment Strategies					5 4 7 1
23.	Faculty Empowerment Strategies	NAAC 6.3.3, 6.3.4, 6.4.2	Not Evident	Emerging	Established	Highly Developed
	a. Professional Development/ Administrative training programs of institution	organized by the		Yes		
	b. Undergone Online/ face to face FDPs			Yes		100
	c. Funds/ Grants received from NGOs/Individuals/Philanthropers	,		Yes		
	Comments:  • Nil					e de la companya de l
	Suggestions for Improvement:  Nil					

S/N	Criteria	Relevance		Evalu	uation	
O. Res	earch & Innovation	•				
24.	Research Mobilization & Innovation Ecosystem	NAAC 3.1.1, 3.1.2, 3.1.3, 3.2.2, 3.3.3	Not Evident	Emerging	Established	Highly Developed
	a. Grants received from Govt/ NGO agencies for research proj	ect	Yes			
	b. Recognized Research guides			Yes		
	c. Workshop/Seminar conducted on research methodology, IF Entrepreneurship		Yes			
	d. Books and chapters in edited volumes/books published and National/International conference proceedings	l paper published in		Yes		
	Comments:  • Nil					- 1
	Suggestions for Improvement:					
	• Nil					



Criteria	Relevance		Evalu	ation	11
stry Connect					
Initiatives related to industry- interactions	NBA 2.2.4, 2.2.5	Not Evident	Emerging	Established	Highly Developed
a. Industry involvement in curriculum design and impact analysis	S	-	Yes		· _ = = -
b. Industrial training for students and faculty members			Yes		A 20
c. Internships			Yes		
d. Industrial projects		Yes			
e. Industry supported labs	Yes				
f. Industry visits by Students /Faculty members			Yes		
g. Industrial expert speakers			Yes		
h. Industrial courses			Yes		
i. Consultancy			Yes		
Comments:  • Nil	·	-			
Suggestions for Improvement:  • Nil	,				
	Initiatives related to industry- interactions  a. Industry involvement in curriculum design and impact analysi b. Industrial training for students and faculty members c. Internships d. Industrial projects e. Industry supported labs f. Industry visits by Students /Faculty members g. Industrial expert speakers h. Industrial courses i. Consultancy Comments:  Nil Suggestions for Improvement:	Initiatives related to industry- interactions  a. Industry involvement in curriculum design and impact analysis  b. Industrial training for students and faculty members  c. Internships  d. Industrial projects  e. Industry supported labs  f. Industry visits by Students /Faculty members  g. Industrial expert speakers  h. Industrial courses  i. Consultancy  Comments:  NII  Suggestions for Improvement:	Initiatives related to industry- interactions  a. Industry involvement in curriculum design and impact analysis  b. Industrial training for students and faculty members  c. Internships  d. Industrial projects  e. Industry supported labs  f. Industry visits by Students /Faculty members  g. Industrial expert speakers  h. Industrial courses  i. Consultancy  Comments:  Nil  Suggestions for Improvement:	stry Connect  Initiatives related to industry- interactions  a. Industry involvement in curriculum design and impact analysis  b. Industrial training for students and faculty members  c. Internships  d. Industrial projects  e. Industry supported labs  f. Industry visits by Students /Faculty members  g. Industrial expert speakers  h. Industrial courses  i. Consultancy  Comments:  NBA 2.2.4, 2.2.5  Not Evident  Emerging  Yes  Yes  Yes  Yes  Yes  Yes  Yes  Comments:  Nil	stry Connect  Initiatives related to industry- interactions  a. Industry involvement in curriculum design and impact analysis  b. Industrial training for students and faculty members  c. Internships  d. Industrial projects  e. Industry supported labs  f. Industry visits by Students /Faculty members  g. Industrial expert speakers  h. Industrial courses  i. Consultancy  Comments:  NBA 2.2.4, 2.2.5  Not Evident  Emerging  Established  Eves  Set of the students

Please provide the following details, relevant to the Department in the space provided below:

## A. Strengths:

- More focused on Academics and Systematic in Procedure
- Well balanced Syllabus

### B. Weaknesses:

- More Industrial inputs are required
- ESG, NGO, Social connect is missing
- Transparency required for 9.d

### C. Opportunities:

- Localized industries can be added Ex: Coir, Food, Coconut
- D. Challenges:
  - 50% is the faculty retention
- E. Concluding remarks related to Academic Performance of the Department:
  - Nil

Details of the External Auditor:	
Name: Dr.V.Senthil	Faculty profile link: https://tsm.ac.in/faculty/dr-senthil-v/
Designation: Associate Professor	Contact mail id: senthil@tsm.ac.in
Department: Information Technology	Contact Number: +91-9894505082
Institute: Thiagarajar School of Management, Thirupparank	undram, Madurai

Signature of the Auditee
(Dr. B. ve francingon)

Hoo med

Signature of the Auditor

(V. SENTHIC)



NBA Accredited: B.E. - CSE, ECE, EEE & Mech.Engg. | Accredited by NAAC with 'A' Grade
Recognized by UGC under 2 (1) | ISO 9001:2015 Certified | Approved by All India Council for Technical Education, New Delhi | Affiliated to Anna University , Chennal



# **COURSE FILE-CONTENT**

- 1. PREFACE OF THE SUBJECT
- 2. INSTITUTE V/M, DEPARTMENT V/M, PSO, PEO & PO STATEMENTS
- 3. COURSE INFORMATION SHEET
- 4. TIME TABLE WITH INDIVIDUAL WORK LOAD
- 5. TENTATIVE LESSON PLAN
- 6. LESSON PLAN AND EXECUTION.(IF ANY DEVIATION MAKEUP CLASS)
- 7. LECTURE NOTES
- 8. OHP/PPT/SUBJECT CDS
- 9. TOPIC BEYOND SYLLABUS WITH REFERENCE DETAILS.
- 10. GAP IN SYLLABUS PLAN AND EXECUTION.
- 11. UNIVERSITY QUESTION PAPERS WITH ANSWER KEY.
- 12. INTERNAL QUESTION PAPER WITH ANSWER KEY.
- 13. ASSIGNMENT TOPICS WITH SUBMISSION DATES.
- 14. INTERNAL ASSESMENT MARK RECORDS
- 15. STUDENTS NAME LIST-COMMON AND CATEGORYWISE
- REMEDIAL CLASS PLAN AND CONTINOUS EVALUATION RECORDS.
- 17. COURSE HAND OUT
- 18. DELIVERY MONITORING.
- COURSE ASSESMENT SHEET
- 20. SAMPLE ASSIGNMENTS.
- 21. TUTORIAL SHEETS

R. Joan Pavithera

22. SAMPLE ANSWER SHEETS.

STAFF IN-CHARGE

HOD-CSE

**PRINCIPAL** 

# COLLEGE OF ENGINEERING & TECHNOLOGY

NBA Accredited: B.E. - CSE, ECE, EEE & Mech.Engg. | Accredited by NAAC with 'A' Grade

Recognized by UGC under 2 (f) | ISO 9001:2015 Certified | Approved by All India Council for Technical Education, New Delhi | Affiliated to Anna University , Chennai



# **PREFACE**

NAME OF THE FACULTY:

R. Joan Pavithra.

**DESIGNATION** 

ASSISTANT PROFESSOR

NAME OF THE SUBJECT: Phython Programming

SUBJECT CODE

2365201

**YEAR** 

 $\mathcal{I}$ :

**SEMESTER** 

**ACADEMIC YEAR** 

2023-2024 (EVEN)

REGULATION

2023

PREPARED BY

(R. Joan Pavithra)

( M. Indra Devi)





























































# DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

# ACADEMIC AUDIT REPORT

Subject Name of the faculty  code  Code  Code  Name of the faculty  Latest 6.3 6.3 - 4 9.31, 6.3 6.3 - 5 9.21, 6.3 6.1 2. 4 9.51, 6.3 6.2 - 5 9.51, 6.3 6.1 2. 4 9.51, 6.3 6.2 - 5 9.51, 6.3 6.1 2. 4 9.51, 6.3 6.1 2. 4 9.51, 6.3 6.2 - 5 9.51, 6.3 6.1 2. 4 9.51,	Year/sem	111/5	=7.71	INI	TERN	ERNAL TEST-1	EST-1		IN	INTERNAL TEST-2	AL I	EST-	7	7	MO	MODEL TEST-1	EST-1	
Phython         Maske up rest         -	Subject	Name of the faculty				No.of absentees	No. Of failures	%sse4			Ro.oV absentees	No. Of failures	%sza¶	No. Of students brateiger		No.of absentees	No. Of failures	%szs4
Phython Make up 2 2  PROGRAMMING REMARK  REDFIGACINEMBER  W. P. ZH.KALARAMI M. P. ZH.KALARAMI M. P. ZM.KALARAMI M. P. ZH.KALARAMI M. ZH.KALAMI M. ZH.KALAMI M. ZH.KALAMI M.			LA test	63	63	1		73:1.	63	63	1		921	63	19	4	7	196
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# DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING FACULTY REPORT FOR CORRECTIVE ACTION (STUDENTS FEEDBACK)

SUBJECT	CODE/SUBJE	CT TITLE:	23CS	201 -	Pyto	ion Pr	rogram	ming.		
ACADEMI	IC YEAR/SEM	1: 202	13-24	02.		•		Santa Car		
1.Does The teacher come prepared on lessons?	2.Subject knowledge And clarity of the faculty	3.Imparti allity & fairness to students?	4.Interact ion with students by the faculty	5.Valuable extra informatio n given during the lectures by the faculty?	6.Enthusi asm for subject?	7.Showing concern & for the students?	8.Puntuality in evaluation of exam papers/ Assignments?	9. Wheather syllabus for is tests/ University examination completed steadily?	10.Ability to speak loudly& clearly	TOTAL
10	10	10	10	10	10	10	10	10	10	100
lo	lo	10	to	9	O	10	lo	co	(0)	99

-> Students need Power point presentation for the subjects to better understand the flow remarks by hod:

-> power point presentation proposed for the the 5 units and shared to the students.

IQAC Audit Member1

IQAC Audit Member2
( M. Kalarani)

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# DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING FACULTY FEEDBACK REPORT DURING OCTOBER 2023-2024- EVEN

S.NO	CONTENT	MARKS(10)
1.	STAFF NAME R. JOAN Parithra	
2.	BRANCH/SEM CSE   D2	
3.	TOTAL NO. OF STUDENTS 63	
4.	SUBJECT CODE/TITLE 23CS201 - Phython Programme	
5.	DOES THE TEACHER COME PREPARED ON LESSONS?	(0
6.	SUBJECT KNOWLEDGE	7 7
	AND CLARITY OF THE FACULTY	10
7.	IMPARTIALLITY& FAIRNESS TO STUDENTS?	w
8.	INTERACTION WITH STUDENTS BY THE FACULTY	10
9.	VALUABLE EXTRA INFORMATION GIVEN DURING THE	
:=1011	LECTURES BY THE FACULTY?	09
10.	ENTHUSIASM FOR SUBJECT	lo
11.	SHOWING CONCERN & FOR THE STUDENTS?	10
12.	PUNTUALITY IN EVALUATION OF EXAM PAPERS/	
	ASSIGNMENTS?	10
13.	WHEATHER SYLLABUS FOR IA TESTS/UNIVERSITY	
	EXAMINATION COMPLETED STEADILY	lo
14.	ABILITY TO SPEAK LOUDLY& CLEARLY	10
Y 412	TOTAL	99

HOD-CSE

PRINCIPAL

IQAC Audit Member 1
V & UJITHA

M. Kalarani.



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# **COURSE FILE-CONTENTS**

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S.NO	CONTENTS	REVIEW	REVIEW	REVIEW
		1	2	3
1	PREFACE OF THE SUBJECT-1	Yes	Yes	Yes
2	INSTITUTE V/M,DEPARTMENT V/M ,PSO, PEO & PO			1000000
	STATEMENTS-1	Yes	Yes	Yes
3	COURSE INFORMATION SHEET-1	Yes	40	Yes
4	TIME TABLE WITH INDIVIDUAL WORK LOAD-1	Yes	Yes	Yes
5	TENTATIVE LESSON PLAN-1	· Yes	yes	Yes
6	LESSON PLAN AND EXECUTION.(IF ANY			
	DEVIATION MAKEUP CLASS)-3	Yes	Yes	Yes
7	LECTURE NOTES-1	Yes	40	40
8	OHP/PPT/SUBJECT CDS-1	Yes	Yes	Yes
9	TOPIC BEYOND SYLLABUS WITH REFERENCE	27.2		
	DETAILS1	Yes	Tes	Yes
10	GAP IN SYLLABUS – PLAN AND EXECUTION1	Yes	Yes	· Yes
11	UNIVERSITY QUESTION PAPERS WITH ANSWER			U
	KEY1	Yes		Yes
12	INTERNAL QUESTION PAPER WITH ANSWER KEY3	Yes	Yes	Yes
13	ASSIGNMENT TOPICS WITH SUBMISSION DATES3	Yes	Yes	Yes
14	INTERNAL ASSESMENT MARK RECORDS-3	Yes	Yes	Yes
15	STUDENTS NAME LIST-COMMON AND			Yes
13	CATEGORYWISE-3	Yes	Yes	Tes
16	REMEDIAL CLASS PLAN AND CONTINOUS	V	. 0	W .
	EVALUATION RECORDS3	Yes	Yes	Yes
17	COURSE HAND OUT-1	Yes	Yes	Yes
18	DELIVERY MONITORING3	Yes	Yes	Yes
19	COURSE ASSESMENT SHEET-3	901	Yes	Yes'
20	SAMPLE ASSIGNMENTS3	Yes	Yes	Yes
21	TUTORIAL SHEETS-3	Yes	Yes	Yes
22	SAMPLE ANSWER SHEETS3	Hes	Yes	Mes
7.0	SIGNATURE OF THE STAFF IN CHARGE			
	SIGNATURE OF THE HOD.	BSLD:	M. S. D.	M. SL De

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### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### Statement for Syllabus Completion

I have handled the subject 1365201 - Python Programming for 02 01 Sem/ year, B.E-Department of Computer Science and Engineering during the Academic year 2023-2024, Even Semester.

In this regard, I confirm that have taught all the topics mentioned in the syllabus, and took lectures for Reriods and discussed the Anna University question papers of the last 5 years.

Signature

Name: R. Joan Parithra

Designation: Assistant Professor.

Department: Computer Science Engineering.

Date

: 13.06.2024.

Signature of the HoD

Signature of the Principal

**IQAC Audit Member1** 

AHTIFUSV

M. FILARANI, Ap/CSE



# NPR

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INTERNAL TEST - I / II

April-May / Nov-Dec - 20

Register Number

: 58322 104025

Department

: CSE

Semester / Year

11/1.

Course code & Title

: 23 LS201 - Phython Programming

Date & Session (FN/AN)

: 02/04/24 L FN.

Number of pages used

1 te

N. Sonthandalsoni

- Name of the Hall Superintendent

Signature of the Hall Superintendent with Date

		PART-A	
Question No.	1	COL. Marks	CO2. Marks
1.	_	2	
2.		2	
3.	1	2	1
4.	1		2
5.	-		2
6.	-		2
TOTAL	177	b	6
TOTAL MA	ARKS		2_

				PART-	В & С			
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	b)		2 To The Co.				14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	a,
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9.	ь)	/		13	12.			13
•	TOTAL		22	13		8		43

\*Student has to put a tick ( 🗸 ) mark for the questions attended in tick mark column

CO. No.	Total	Attained
CO. NO.	Marks	Marks
col	30	28
co <del>2</del>	30	27

Grand Total 60

R. Joan Pavithora Name of the Examiner

Signature of the Examiner with Date