

Vellilode, Sivapuram PO, Mattanur, Kannur District, Kerala approved by AICH. New Delta Govern of Kerala and Williamd to API Adde. Kalam Technological University

### College Specific Assessments

		FIRST INTERN	AL AUDIT AY 2022	-23 ODD SEMESTER
SI No:	Documents	Status	Rating	Remarks
1	Academic calendar with days earmarked with working days, holidays, other activities etc. (A)	Verified	Excellent (5)	Activities done in accordance with APJ AKTU academic calendar, cross checked with the ktu academic calendar, college academic calendar, year calendar & course diary
2	Minutes and action taken reports of student's grievances and appeal committee meetings (A)	Verified	Good (4)	Reconstituted the GAC on 03/06/2022  Last meeting held on ¶ 11 2022  No Grievances received
3	Minutes and action taken reports of discipline and welfare committee meetings (A)	Verified	Good (4)	1) DAC meetings held & Reports maintained 2) SWC meeting held minutes maintained (7/21/2012)
4	Central library register showing volume and title of books, journals etc (A)	Verified	Good (4)	Volume- 10428  Titles- 2421  E Journals subscribed-861 Journal of Engineering and Technology  No: of E books- 10685, 709 categories (total no:), 1590 E books engg and technology (including all Engg subjects)  Delnet subscribed  Total number of journals- 24 subscription renewed on 10/06/2022  Seating capacity- 150  Library software- KOHA latest version  Library area- 400 m2

5	IQAC meeting minutes, internal audit reports etc (A)	Verified	Good (4)	IQAC meeting conducted reguarly and minutes uploaded in College website. Internal Audit is also conducted regularly
6	Institution Budget (A)	Verified	Fair (3)	Detailed budget and expenditure statements required.
7	Facility for Co-curricular and extracurricular activities	Verified	Good (4)	List of major activities after during the AY 2022-23  1. Traffic volume survey and Parking survey at Muzhuppilangad (under National Transportation Planning and Research Centre)- Dept. of CE  2. Expert talk on "Essential requirements and properties of high performance concrete" organised by department of Civil Engineering  3. ICT Academy Premium membership  4. Induction Programme (2022-26 batch) Report  5. Cleaning drive at Payyambalam beach by NSS STM UNIT  6.CSE Department Association and the Expert Talk on 'Impovation, Entrepreneurship, and Funding for Technical Projects', DAB meeting - CSE  7. CE Department association Inauguration, Site visit at Kannur Municipal Coorporation building  8. Expert talk on stability of soil conducted by Sattva, Civil Engineering Association, Workshop on the topic" Central Library building at STM campus"
8	Average Student to faculty ratio (A)	Verified Attendance register and timetable	Excellent (5)	AY 2022-23  (20*44)/870- 1.01  ECE- 7  CSE- 10  CE- 10  ME- 8  ASH- 9
9	Faculty retention (A)	Verified Attendance register and timetable	Good (4)	Average SFR maintained above 0.9 throughout the year
10	Faculty Qualification Index (A)	Verified Attendance register and timetable	Very poor (1)	
11	Nimber of Qualified technical staff (A)	Verified Attendance register and timetable	Fair (3)	AY 2022-23 Verified the attendance register CE-3, CSE-2, ME-3, EC-2 Total-10

12	Details of central computing facility (A)	Verified	Fair (3)	No: of servers- 1 No: of systems- 168 Net connectivity- 40 Mbps (BSNL NMEICT) + 60 Mbps (Kerala Vision)+ 40Mbps (BSNL II.L)	
13	Principals Response on previous academic audits (A)	Verified	Good (4)	Timely responses recorded in the audit reports	

PRINCIPAL 16 III 2022

Dr. SHINU MATHEW JOHN
Principal
St. Thomas College of Englishing & Technology
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IQAC Coordinate THIN C

Dept. of Electronies & Communication St. Thomas College of Engg. & Technology Sivepuram, Matterer - 670702



# St. Thomas College of Engineering & Technology

Vellilode, Sivapuram PO. Mattanur. Kannur District, Kerala
Approved by AICTE New Delhi, Gost. Of Kerala and Affiliand to AFI Abdul Kalam Technological University

			Computer Sc	lence and En	gineering				
SI No:	I No: Category Documents								
		Documents	Status	Rating	Remarks	Considerant Mark			
		Time table (with tutorials) – Staff arranged in hierarchical order	Verified	Excellent (5)	Verified Class Time table of S7,85 & S3 (AY 2022-23). Staffs arranged in hierachichal order. Individual time table and master time table also maintained.	Department HoD response			
		Internal exam QP (DQAC Approved)	Verified	Good (4)	Verified Scrutiny reports, Question Papers & Answer schemes of Series Test 1 (AY 2022-23 Odd Semester)				
1	A1 files	A1 files Innovative Teaching approaches			Proof to be submitted	Proofs Filed.			
		Tutorial samples with log book	Verified	Fair (3)	Tutorial logbooks updated till  S7 -7/11/2022 (updations pending)  S5- 4/11/2022  S3- 4/11/2022  Few Faculty signatures missing in tutorial log register	Updated all tutorial log books.			
2	A2 files - Academic Files	(Course files)	Verified	Fair (3)	All course files verified except CST 307 (handled by Prof. Jacob Zachariah) and the same to be submitted on	To be completed by 10:00 AM today.			
		CO-PO, CO-PSO mapping	Verified	Fair (3)	CO PO mapping done, PSOs defined and mapping to be	PSO mapping not yet done.			

		PO, PSO attainment	Nil		Attainment calculation to be done with through Linways	
3	1. A3 Files - Academic	Curriculum Gap (with Gaps and course identified to address the POs, PSOs)	Nil		Curriculum gaps to be identified and addressed	Curriculum gap identification not completed.
	Files	Project (a. List of projects with guides and students b. Panels, rubrics and marks of evaluation c. PO, PSO attainment)	Verified	Good(4)	Verified the list of project titles and supervisors	
		Subject Group (List of groups and Faculty, allotment by HoD, Minutes of each group, Programs/Activities organized under each group)	Verified	Good(4)	Groups formed, Activities organised, meeting minutes not submitted	Minutes filed.
		Journal Publications: ISI, SCOPUS, Other Journals	Nil			Files Maintained.
		Publications: Conference, Books, Book chapters, Articles, etc	Nil			Files Maintained.
		IPR (and related activities)	Nil			
		ИоМ	Verified	Fair (3)	MoU with Presidency University on 15/7/2022	MoU with ICT also maintained.
		FDP Attended: (a. Outside own college b. Inside own college)				File maintained with certificate and Report.
		FDP/Conference Organized				
		Awards / Honors				
		External Interaction				
		Roll List (for last 3 years)	Verified	Excellent (5)		
		KTU Results and Analysis (Semester-wise)	Verified	Fair (3)	Result analysis files maintained  AY 2021-22 S1: 27% S3: 22 % S5: 19.3% 2018 batch results: 57.5 %	
		Success Data of Passed Out Batch	Verified	Fair (3)	Details maintained	

5	C – Files	Placement (Proof- for previous Acad Year)			Details maintained by the TPO, placement details of 2018-22 batch will be verified on 16/11/2022	
,	(Student Files)	Higher Studies (Proof- for previous Acad Year)	Verified	Fair (3)	Details to be collected and maintained	Details Filed.
		Career/Skill Development Programs	Verified	Good (4)	Two days of Company Specific Pattern Training Conducted for 2022-26 batch students during their induction programme - by Know-Up Knowledge foundation, Also weekly training provided to the selected students by the Placement Cell	
		Achievements	Nil			
		Entrepreneurship / Start ups	Nil			
		Professional Society Activity	Verified	Fair (3)	CSI Chapter details updated, Department association activities initiated and details updated	
	D – Files (Miscellaneou s Files)	Staff Extension Activities	Nil			
6		Staff Duties/Responsibilities	Verified	Good (4)	Workload details maintained	
		Department Budget			Will be submitted on 15/11/2022	Submitted and filed the department budget.
7	Minutes and Ac	etion taken reports of Class Committee/Advisory meetings	Verified	Good (4)	Minutes of the class committee meetings documented	
8	Detail	s of licensed software in the department	Nil			Available. Maintained by CSE dept.
9	Details	showing the conduct of remedial classes	Verified	Good (4)	S7 -updated S5- pending S3- updated	Upated.
10	Equipm	nent log registers used in the laboratories	Verified	Good (4)	All the registers updated	

11	Question paper and sample answer sheets for assessment of practical courses	NA			
12	Details of faculty evaluation and action taken on it	Verified	Good (4)	Faculty remedial measures (if any) to be recorded	
13	Department library register showing volume and title of books, journals etc.	verified	good (4)	Registers maintained	
14	Register showing activity points	verified	good (4)	Details documented	
15	Details of MOOC Courses taken by students			NPTEL and Spoken tutorial details documented by the repective Coordinators & will be verified on 16/11/2022	

16/11/22

HOD
DEPT. OF COMPUTER SCIENCE AND ENGINEERING
ST. THOMAS COLLEGE OF ENGINEERING
AND TECHNOLOGY
SHAPPIAK KANNER

INTERNAL AUDITOR

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IQAC COORDINATOR St. THOMAS COLLEGE OF ENGINEERING & TECHNOLOGY SIVAPURAM, KANNUR



## St. Thomas College of Engineering & Technology

VelliJode, Sivapuram PO. Mattanur. Kannur District, Kerala Approved by AICTE New Delhi, Coss. Of Rerala and Affiliated to API Abshi Kalam Technological University

				CIVIL EN	GINEERING	
			FIRST	INTERNAL AUDIT	AY 2022-23 ODD SEMESTER	
SI No:	Category	Documents	Status	Rating	Remarks	Department HoD response
		Time table (with tutorials) – Staff arranged in hierarchical order	Verified	Good (4)	Verified Class Time table of \$7.\$5 & \$3 (AY 2022-23). Staffs to be arranged in hierachichal order. Individual time table and master time table also maintained.	Staffs arranged in hierarchichal order
	A1 files	Internal exam QP (DQAC Approved)	Verified	Good (4)	Verified Scrutiny reports, Question Papers & Answer schemes of Series Test 1 (AY 2022-23 Odd Semester). HoD counter signature missing in the scrutiny reports	Counter signed in all scrutiny reports
		Innovative Teaching approaches	Nil		Encourage blended learning methods, project based learning, flipped classroom teaching methods and other such innovative approaches	File created and will submit today
		Tutorial samples with log book	Verified	Good (4)	Few signatures missing in the log register	Missing signatures is marked
. 2	A2 files - Academic Files	(Course files)	Verified	Good (4)	Verified all the course files of S3 S5 & S7 courses  General suggestions  All the pending works in the log books especially that of practical sessions need to be completed as soon as possible	Pending works completed
		CO-PO, CO-PSO mapping	Verified	Fair (3)	CO PO mapping done, PSOs defined and mapping to be done	PSO mapping is not done
		PO, PSO attainment	Nil		Attainment calculation to be done with through Linways	Not done
	1 A3 Files	Curriculum Gap (with Gaps and course identified to address the POs, PSOs)	Nil		Curriculum gaps to be identified and addressed	Curriculum gaps identified in programs conducted and will submit separate file today

	3 Academie					
	Files	Project (a. List of projects with guides and students b. Panels, rubrics and marks of evaluation c. PO, PSO attainment)	Verified	Good(4)	Verified the list of project titles and supervisors	
•		Subject Group (List of groups and Faculty, allotment by HoD, Minutes of each group, Programs/Activities organized under each group)	Verified	Fair (3)	SIG were formed and activities conducted, Minutes of the meeting and reports of the activities to be maintained	Attendance sheet and meeting minutes updated
-		Add-on Courses	Nil			
		Research funding (a. Internal, b. External)	Nil			
		Consultancy	Nil			
		Collaborative works/research and outcomes	Nil			
	B - Files (Staff Files)	Journal Publications: 1SI, SCOPUS, Other Journals	Nil			
		Publications: Conference, Books, Book chapters, Articles, etc	Nil			
4		IPR (and related activities)	Nil			
	*:	MoU	Nil			
		FDP Attended: (a. Outside own college b. Inside own college)	Verified	Fair (3)	Sayana M attended NPTEL course, FDP report to be submitted, More faculties to be encouraged to attend FDPs	
		FDP/Conference Organized	Nil			
		Awards / Honors	Nil			
		External Interaction	Nil			
		Roll List (for last 3 years)	Verified	Excellent (5)		
		KTU Results and Analysis (Semester-wise)	Verified	Good (4)	Result analysis files maintained  AY 2021-22 S1: 53% S3: 50% S5: 61.11% 2018 batch results: 50 %	

### FIRST INTERNAL AUDIT AY 2022-23 ODD SEMESTER

		Success Data of Passed Out Batch	Verified	Fair (3)	Details Filed and maintained	
5	C – Files	Placement (Proof- for previous Acad Year)			Details maintained by the TPO, placement details of 2018-22 batch will be verified on 16/11/2022	
, (	Student Files)	Higher Studies (Proof- for previous Acad Year)	Verified	Good (4)	Details (Id card/fee payment details) Filed and maintained	
		Career/Skill Development Programs	Verified	Good (4)	Two days of Company Specific Pattern Training Conducted for 2022-26 batch students during their induction programme - by Know-Up Knowledge foundation, Also weekly training provided to the selected students by the Placement Cell	
		Achievements	Nil		IQAC COORDINATOR	
		Entrepreneurship / Start ups	Nil			
		Professional Society Activity	Nil			
		Staff Extension Activities	Nil			
6	D – Files (Miscellaneous Files)	Staff Duties/Responsibilities	Verified	Excellent (5)	Workload details filed and maintained	
	s riies)	Staff/Guest Appointment Details	Nil			
		Guest Acquaintance (Semester-wise)	Nil			
		Department Budget			Will be submitted on 15/11/2022	Submitted
7.	Minutes and	Action taken reports of Class Committee/Advisory meetings	Verified	Good (4)	Minutes of the class committee meetings documented	
8	Deta	ills of licensed software in the department	Nil			Will maintain separate file

5.	0	Details showing the conduct of remedial classes	Verified	Excellent (5)	Verified the remedial log registers
1	10	Equipment log registers used in the laboratories	Verified	Good (4)	All the registers updated
Ļ	n i	Question paper and sample answer sheets for assessment of practical courses	NA		
1	12	Details of faculty evaluation and action taken on it	Verified	Good (4)	Faculty remedial measures (if any) to be recorded
Ľ	3	Department library register showing volume and title of books, journals etc	Verified	Good (4)	Registers maintained
14		Register showing activity points	Verified	Good (4)	Details documented
15		Details of MOOC Courses taken by students			NPTEL and Spoken tutorial details documented by the repective Coordinators & will be verified on 16/11/2022

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FIRST INTERNAL AUDIT AY 2022-23 ODD SEMESTER

INTERNAL QUALITY ASSURANCE CELL



St. Thomas College of Engineering & Technology

Volitiods, Sivapuram PO, Mortunar, Kaimur District, Kerala

Approved by AlCEE New Dolls, Garc. Of Kerala and Athibased in API Abide. Salam Technological University

			ELECTRO	NICS AND COM	MUNICATION ENGINEERING			
FIRST INTERNAL AUDIT AY 2022-21 OOD SEMESTER								
II No:	Category	Documents	Status	Rating	Remarks	Department HoD response		
		Time table (with tutorials) - Staff arranged in hierarchical order	Verified	Excellent (5)	Verified Class Time table of \$7.55 & \$3 (AY 2022-23) Staffs arranged in hierachichal order, Individual time table and master time table also maintained.	Department Hoo response		
		Internal exam QP (DQAC Approved)	Verified	Good (4)	Verified Scritiny reports, Question Papers & Answer schemes of Scries Test 1 (AY 2022-23 Old Semester)			
1	A1 files	Innovative Teaching approaches	Nil		Encourage blended learning methods, project based learning, flipped classroom teaching methods and other such innovative approaches	will encourage blended learning methods		
					Tutorial log registers verified			
4		Tutorial samples with log book	Verified	Good (4)	57: last updated on 08/11/2022 \$5: last updated on 14/11/2022 \$3: last updated on 07/11/2022 Student Signatures in few sessions missing	will be rectified		
2	A2 files - Academic Files	(Course files)	Venfied	Good (4)	All the course files verified  General suggestion  Details of mark distribution to be shown inside the answer booklet	suggestions will be implemented		
		CO-PO, CO-PSO mapping	Verified	Fair (3)	CO PO mapping done, PSOs defined and mapping to be done	will be done		

1	PO, PSO attainment	Nil		Attainment calculation to be done with through Linways	
	Curriculum Gap (with Gaps and course identified to address the POs, PSOs)	Nil		Curreculum gaps to be identified and addressed	gaps will be identified and programmes will be arranged based on the gaps
Academic Files		Ventied	Clond(4)	Verified the list of project titles and supervisors	
	Subject Group (List of groups and Faculty, allotment by HoD. Minutes of each group, Programs/Activities organized under each group)	Verified	Poor (2)	SIG were formed, however no updations done in this semester	More activities will be organised and implemented
	Add-on Courses	Nil			
	Research funding (a. Internal, b. External)	Nil			
	Consultancy	Nil			
	Collaborative works/research and outcomes	Nil			
	Journal Publications: 1SI, SCOPUS, Other Journals	Nil			
*.	Publications: Conference, Books, Book chapters, Articles, etc	Nil			
	IPR (and related activities)	Nil			
B - Files	MoU	Nil			
(Staff Files)	FDP Attended: (a. Outside own college b. Inside own college)	Venfied	Fair (3)	Assoc. Prof. Anotha Mary Soman completed the FDP on System Design Through Verilog- NPTEL AICTE FDP  More faculties to be encouraged to participate in FDPs	
\	FDP/Conference Organized	Nil	da .		

### FIRST INTERNAL AUDIT AY 2022-23 ODD SEMESTER

### INTERNAL QUALITY ASSURANCE CELL

1	1	Awards / Horiors	Nil			
		External Interaction	Nil			www.eninewa.com
		Roll List (for last 3 years)	Verified	Excellent (5)	Ex	SC THOMA: ALLEGE UP
		KTU Results and Analysis (Semester-wise)	Venfied	Pour (2)	Result analysis files maintained  AY 2021-22  S1: 0 %  S3: 6 67 %  S5: 41 67 %	Already remedial measures (active mentoring system) have been taken for improving the results
		Success Data of Passed Out Batch	Verified	Fair (3)	Details maintained	
	C - Files (Student Files)	Placement (Proof- for previous Acad Year)			Details maintained by the TPO, placement details of 2018-22 batch will be venfied on 16/11/2022	
		Higher Studies (Proof- for previous Acad Year)	Verified	Good (4)	Details filed and maintained	
		Career/Skill Development Programs	Verified	Good (4)	Two days of Company Specific Pattern Training Conducted for 2022- 26 batch students during their induction programme - by Know-Up Knowledge foundation, Also weekly training provided to the selected students by the Placement Cell	
		Achievements	Nil			
		Staff Extension Activities	Nil			
6	D - Files (Miscellaneou » Files)	Staff Duties/Responsibilities	Verified	Excellent (5)	Workload details filed and maintained	
		Staff/Guest Appointment Details	Nit			
	1 . [	Guest Auquintance (Semester-wise)	Nil			
		Department Budget			Will be submitted on 15:11/2022	
,	Minutes and Acti	ion taken reports of Class Committee Advisory meetings	Verified	Good (4)	Minutes of the class committee meetings documented	

1	Details of licemed auftware in the department	Nil			
	Details showing the conduct of remedial classes	Venfied	Good (4)	Remedial log registers updated till \$7.9(11)2022 \$5.9(11)2022 \$3.8(11)2022 Few Faculty signatures missing in remedial log register*	will be recorded
10	Equipment log registers used in the laboratories	Verified	Good (4)	All the registers updated	
11	Question paper and sample answer sheets for assessment of practical courses	NA			
12	Details of faculty evaluation and action taken on it	Verified	Good [4]	Faculty remedial measures (if any) to be recorded	
13	Department library register showing solume and title of books, journals etc.	ventied	good (4)	Registers maintained	
14	Register showing activity points	verified	great (4)	Details documented	
15	Details of MOOC Courses taken by students			NPTEL and Spoken tutorial details documented by the repective Coordinators & will be verified on 16/11/2022	

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IQAC COORDINATOR

FIRST INTERNAL AUDIT AY 2022-23 ODD SEMESTER





St. Thomas College of Engineering & Technology
Vellilode, Sivapuram PO. Mettanur. Kannur District, Kerala
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				MECHANICA	L ENGINEERING			
FIRST INTERNAL AUDIT AY 2022-23 ODD SEMESTER								
No:	Category	Documents	Status	Rating	Remarks	Department HoD response		
pi NO:	Casegory	Time table (with tutorials) – Staff arranged in hierarchical order	Venified	Excellent (5)	Verified Class Time table of \$7,55 & \$3 (AY 2022-23). Staffs arranged in hierachichal order. Individual time table and master time table also maintained.			
		Internal exam QP (DQAC Approved)	Verified	Fair (3)	Signature missing in secretary reports			
,	Al files	Innovative Teaching approaches	Nel		Encourage blended learning methods, project based learning, flipped classroom teaching methods and other such innovative approaches			
					Tutorial logbroks updated till			
		Tutorial samples with log book	Verified	Fair (3)	\$7 -7/11/2022 \$5-8/11/2022 \$3-4/11/2022			
,					Few Faculty signatures missing in totorial log register			
2	A2 files - Academic Files	(Caurse files)	Verified	Fair (3)	All course files verified except MET 201, MEL 201 (handled by Asst. Prof. Melvin Philip Mathew) and the same to be submitted on or before 17/11/2022			
		CO-PO, CO-PSO mapping	Venified	Fair (3)	CO PO mapping done, PSOs defined and mapping to be done			

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1			PO, PSO attainment	Nil		American	
		1. A3 Files -	Curriculum Gap (with Gaps and course identified to address the POs. PSOs)	Nil		Attainment calculation to be done with through Linways  Curriculum gaps to be identified and addressed	
3	3	Academie Files	Project (a. List of projects with guides and students b. Panels, rubrics and marks of evaluation e. PO, PSO attainment)	Verified	Good(4)	Verified the list of project titles and supervisors	
			Subject Group (List of groups and Faculty, allotment by HoD, Minutes of each group, Programs/Activities organized under each group)	Venfied	Poor (2)	SIG were formed, however no updations done in this semester	
-			Add-on Courses	Nil			
			Research funding (a. Internal, b. External)	Nil			
			Consultancy	Nit			
1.			Collaborative works/research and outcomes	Nil			
1			Journal Publications: ISI, SCOPUS, Other Journals	Nit			
			Publications: Conference, Books, Book chapters, Articles, etc	Nil			
	4	B - Files (Staff Files)	IPR (and related activities)	Nil			
		(Staff Fries)	MoU	Nil			
9			FDP Attended: (n. Outside own college b. Inside own college)	Nil			
			FDP/Conference Organized	Nil			
			Awards / Honors	Nil			
			External Interaction	Nil			
			Roll List (for last 3 years)	verified	Excellent (5)		

ST. THOMAS COLLEGE OF ENGINEERING AND TECHNOLOGY

## FIRST INTERNAL AUDIT AY 2022-23 ODD SEMESTER

INTERNAL QUALITY ASSURANCE CELL

		Achievements  Entrepreneurship / Start ups	Nil Nil			
		Professional Society Activity	Nil			
		Staff Extension Activities	Nil			
6	D - Files (Miscellaneou	Staff Duties/Responsibilities	Verified	Excellent (5)	Weeklesid details filed and maintained	
-	10	Staff/Guest Appointment Details	Nil			
		Guest Acquaintance (Semester-wise)	Nil			
		Department Budget			Will be submitted on 15/11/2022	
2 3	Minutes and Action	on taken reports of Class Committee/Advisory meetings	Verified	Good (4)	Minutes of the class committee meetings documented	

8	Details of licensed software in the department	Nil			
9	Details showing the conduct of remedial classes	Verified	Good (4)	Remedial log registers updated till S7 -9/11/2022 S5- 9/11/2022 S3- 7/11/2022 Few Faculty signatures missing in remedial log register	
. 10	Equipment log registers used in the laboratories	Verified	Good (4)	All the registers updated	
11	Question paper and sample answer sheets for assessment of practical courses	NA			
12	Details of faculty evaluation and action taken on it			Faculty evaluation reports not submitted	
13	Department library register showing volume and title of books, journals etc.	verified	good (4)	Registers maintained	
14	Register showing activity points	verified	good (4)	Details documented	
15	Details of MOOC Courses taken by students			NPTEL and Spoken tutorial details documented by the repective Coordinators & will be verified on 16/11/2022	

INTERNAL AUDITOR

1. Saritha Nasayanan

2. Nithin. C

C. U. . . of Trainsoring & Technology