



ACADEMIC AND ADMINISTRATIVE AUDIT
(AAA) 2021-2022

Internal Quality Assurance Cell
(IQAC)
Sri Ramakrishna Engineering
College, Coimbatore

EXTERNAL AUDIT

Name of the Department	Automatical Engineering	Date of Audit	30/ Aug/2022
Name of the Auditors	Dr. T. Senphil Kumar		
Academic Year	2022		
REPORT OF THE AUDITORS			
Observations (1) Course file - Compoussar. of year wise attanment. missy. (2) Faculty file - to have h-index.			
Strength (1) Previous assessment is clearly presented (2) Faculty Profile Presented well (3) Working models presented well. (4) Placement is good			
Weakness (1) Consultancy projects is missing. (2) Patents to be filed from 2021-2022.			
Scope for Improvement (1) Consultancy. (2) Rubric in project to be <u>not uniform</u>			
Any Other Comments (1) All files to be signed by HOD with date. (2) Scholarship through Alumni available. (3) MITACS Global Research Internship.			
Signature of the Auditors		Date	30/ Aug/2022



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EXTERNAL AUDIT

Name of the Department	BME	Date of Audit	30/08/2022
Name of the Auditors	Dr. U.S. Regeerpathy Professor & CCO (AER) KEC, Perundurai		
Academic Year	2021-22		
REPORT OF THE AUDITORS			
Observations - 17 out of 52 - gone for Internship of which only 5 outside Placement. - core Placement exists, but count with LPA to be improved. ^{4 (Paid)}			
Strength Good laboratories.			
Weakness Only one ongoing R&D projects, sanctioned in 2020. - Concern. No consultancy work after 2017. End semester cos attainment - not question wise scores not considered. Rubrics not available for practical courses.			
Scope for Improvement Faculty feedback on course - format found non uniform.			
Any Other Comments 5 marks for attendance may be removed in R2020. FB - low scores - faculty - action taken - missing			
Signature of the Auditors		Date	30/08/2022



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EXTERNAL AUDIT

Name of the Department	Chemistry	Date of Audit	30/08/2022
Name of the Auditors	Dr. V. S. Ragupathy Professor & COO (AEC) KEE, Perundurai.		
Academic Year	2021-22.		
REPORT OF THE AUDITORS			
Observations - NPTEL - online courses completed by faculty (4/7). 20CH205 - Applied chemistry (for EIE) - Remedial class does not show significant impact.			
Strength Good laboratory.			
Weakness - Rubrics not available for Laboratory - courses. - co-po mapping in articulation matrix has to be relooked. - CO5 attainment target level not fixed. - Internal assessment questions are not upto the desired knowledge level. (Part A)			
Scope for Improvement Quality of assignment ^{ap} to be improved. Laboratory experiments to be enhanced.			
Any Other Comments			
Signature of the Auditors		Date	30/08/2022.



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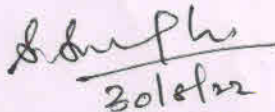
Name of the Department	Civil Engineering	Date of Audit	30-08-2020.
Name of the Auditors	Dr. U. S. Reigupathy Professor (COO/ACK) KEE, Perundurai		
Academic Year	2021-22.		
REPORT OF THE AUDITORS			
Observations OBE - not followed in true spirit. Industry connect - in place but no MoUs. Teaching & learning to be strengthened.			
Strength SFR - ok. Consultancy works undertaken to a tune of Rs. 3 lakh.			
Weakness Programme accreditation - No - as on date and ever since. No R&D projects since the establishment of the dept. No active MoUs. Rubrics not available for practical courses.			
Scope for Improvement Printed books for practical courses may be optimised.			
Any Other Comments 20CE251- Geo mechanics (TAP) - A few list of experiments not considered for assessment.			
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EXTERNAL AUDIT

Name of the Department	Computer Science + Eng	Date of Audit	30/8/2022
Name of the Auditors	Dr. S. Selvanayagi Dept of Mathematics IQAC Coordinator / Kumaraguru College of Tech, CBE		
Academic Year			
REPORT OF THE AUDITORS			
Observations 1. Files are well maintained and the process is very clear. 2. Follow up action for class committee meeting missing.			
Strength 1. Students Achievements. 2. Good number of Publication in indexed Journal. 3. Good number of Ph.D scholars.			
Weakness 1. Less number of faculty with Ph.D. 2. Consultancy and Research projects to be focussed.			
Scope for Improvement 1. Value added courses can be conducted.			
Any Other Comments Knowledge level to be focused while setting Internal assessment question paper.			
Signature of the Auditors	 30/8/22	Date	30/8/22.



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EXTERNAL AUDIT

Name of the Department	Electronics and communication	Date of Audit	30/8/2022
Name of the Auditors	Egg. T. Senthil Kumar		
Academic Year	2022-2023		

REPORT OF THE AUDITORS

Observations

1. Course file - Exercises to have for show first learner.
2. One credit course - sheet that has assessment pattern.
3. Course wise participation (Subject wise)

Strength

- (1) Mini projects provided - 16 EC260 -
- (2) Internship stipend available to students.
- (3)

Weakness

- (1) Seed grant at faculty level.
- (2) Posters to include 2022- student outcomes.

Scope for Improvement

- (1) Mini project to have a template.
- (2) Course files to include previous year performance
- (3) Courses have 2 credit co's. - to check

Any Other Comments

- (1) Manual to have co's. (4) Rubric for Case study.
- (2) For faculty, google scholar URL [Categorized]
- (3) DAAC to have course wise comparison.

Signature of the Auditors		Date	30/8/2022.
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EXTERNAL AUDIT

Name of the Department	EEE	Date of Audit	30.8.22
Name of the Auditors	Dr A. Senthil Kumar Professor & HOD EEE, Dr Mahalingam College of Engg & Tech, Palani		
Academic Year	21-22		
REPORT OF THE AUDITORS			
Observations - Mr Praveenkumar / EEE marks entry and Internal Mark computation is wrong - The marks awarded and marks entered is different. - Publication details are partial no. information about impact factor, etc..			
Strength - 9 PhDs and 5 Research Supervisors - OCCs conducted with 100% industry experts.			
Weakness - Quality Publications & Project funding - Students are not encouraged for Extra curricular activities.			
Scope for Improvement - Research Publication Quality like SCI & WoS			
Any Other Comments - System in place not. - Project review mark & evaluation to be improved almost all students got 20/20 or 18/20			
Signature of the Auditors		Date	30.8.22



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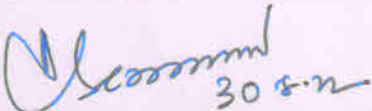
Name of the Department	EEE EIE	Date of Audit	30.8.22
Name of the Auditors	Dr A. Senthil Kumar Prof & HOD / EEE Dr Mahalingam College of Engg + Tech.		
Academic Year	21-22		
REPORT OF THE AUDITORS			
Observations - CO attainment feed back to be taken forward to next academic year. - Action taken points against class committee meeting to be recorded properly.			
Strength - Good Publication with Good quality - Good team work.			
Weakness -			
Scope for Improvement - R+D may be improved in terms of Consultancy			
Any Other Comments - Good system in place and maintained well.			
Signature of the Auditors		Date	30.8.22



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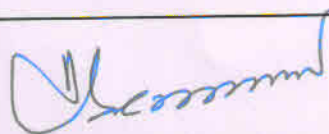
Name of the Department	English	Date of Audit	30.8.22
Name of the Auditors	Dr A. Senlikumar Professor & HOD / ESE Dr Mahalingam college of Engineering & Tech.		
Academic Year	21-22		
REPORT OF THE AUDITORS			
Observations - Faculty: Not aware of CO attainment calculation - Budget - Request not available - Utilization not available			
Strength -			
Weakness -			
Scope for Improvement -			
Any Other Comments Documents are maintained well			
Signature of the Auditors	 30.8.22	Date	30.8.22



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EXTERNAL AUDIT

Name of the Department	IT / AIDS	Date of Audit	30.8.22
Name of the Auditors	Dr A. Senthil Kumar Professor & HOD IESR Dr Mahalingam college of Engg + Tech.		
Academic Year	21-22		
REPORT OF THE AUDITORS			
Observations - Proof for evaluation of oee courses not available. - Class Committee meeting action taken is not available. - Project - Student wise evaluation not available.			
Strength - Many Goodwill projects done as an extension activity - 10 PhD holders are available.			
Weakness - Center of Excellence is available and effectiveness to be improved.			
Scope for Improvement - Research funding to be improved.			
Any Other Comments -			
Signature of the Auditors			Date 30.8.22



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EXTERNAL AUDIT

Name of the Department	Library	Date of Audit	30/08/2022
Name of the Auditors	Dr. U.S. Raghupathy Professora co (ACR) Kongu Engineering College		
Academic Year	2021-22		

REPORT OF THE AUDITORS

Observations

Less no. of vision / mission boards.
Second floor - PG - General, CSE, Nano, C&I dept
books - placed, - no lift facility.
Digital Lib - 32 systems available.

Strength

Neat and clean ambience.

Weakness

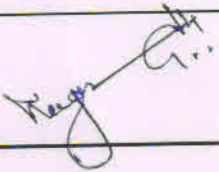
- Budget requisition from departments - missing.
- Book volumes / ^{titles} to be made available as per AICTE norm.
- RFID system - not available.

Scope for Improvement

More no. of Journals and titles could be added.
Book requisition format may be issued.

Any Other Comments

Book - ~~drop~~ box mechanism (automatic) may be introduced.

Signature of the Auditors		Date	30/08/2022
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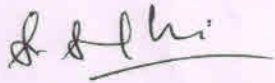
Name of the Department	Mathematics	Date of Audit	30/8/22
Name of the Auditors	Dr. S. Selvanayagi Dept of Mathematics Kumaraguru College of Technology, CBE		
Academic Year			
REPORT OF THE AUDITORS			
Observations 1. Syllabus used by faculty need to be signed by Head of the Department. 2. Deviation in course(lesson) plan and execution			
Strength 1. Faculty - well qualified. 2. Training attended by Faculty. 3. Bridge Course for Lateral Entry Students.			
Weakness 1. Budget - under utilization (allotted - 1,05,000, utilized - 50,000) 2. Consultancy, Research Projects to be concentrated 3. CCM to be more active.			
Scope for Improvement Can Organize more programs to Students to motivate (make active learning) and application of mathematics			
Any Other Comments Continuous three hours for Mathematics Course to be looked in Students and Faculty point of view.			
Signature of the Auditors	S. Selvanayagi	Date	30/8/22



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EXTERNAL AUDIT

Name of the Department	MBA	Date of Audit	30/8/22.
Name of the Auditors	Dr. S. Selvanayagi Dept of Mathematics ZARE Coordinator, Kumaraguru College of Tech, CBE.		
Academic Year			
REPORT OF THE AUDITORS			
Observations 1. Budget utilization need to be authorized and there is more deviation between allotment + utilization. 2. Event reports to be maintained with participants list.			
Strength 1. Well maintained files. 2. More number of value added courses conducted. 3. Adjunct + industry persons involvement in course delivery. 4. Good Teaching-learning process.			
Weakness 1. One third of the faculty alone having paper publication. 2. All Faculty need to attend training programs. 3. Govt. funded project not available.			
Scope for Improvement 1. Placement to be improved. 2. Training to industry people can be done.			
Any Other Comments Consultancy need to be improved.			
Signature of the Auditors		Date	30/8/22.



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EXTERNAL AUDIT

Name of the Department	Mechanical Engineering	Date of Audit	30.08.2022
Name of the Auditors	Dr. U.S. Ragupathy Professor VCCO (Accreditation) Kongu Engg. College,		
Academic Year	2021-22		

REPORT OF THE AUDITORS

Observations

Good R&D activities.
Documentation work - Excellent.
Feedback - Questionnaire to be revised.

Strength

- 1) Department completed 1 R&D project ^{with fund} more than 1 crore.
- 2) Holds two ongoing projects.
- 3) Seed money grant - exists.

Weakness

- concern:
- Feedback analysis - action taken could be improved
 - Alumni (PAIE) formation - required & approved.
 - Institutional Research Fellowship - not availed.

Scope for Improvement

16 ME 215 - DM } - 3 continuous hours / week.
16 ME 222 - DFMSA } 2 " " " - twice.

End semester coattainment should include actual student's score, not the grades.

Any Other Comments

Lecture plan may include proposed & actual date & hour and co's

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EXTERNAL AUDIT

Name of the Department	Nano Science & Tech	Date of Audit	30/ Aug/2022
Name of the Auditors	Dr. T. SENTHIL KUMAR		
Academic Year	2022		

REPORT OF THE AUDITORS

Observations

- (1) Course file → to be improved.
- (2) Publications → can include collaborators from other departments.
- (3) Consultancy: is better.

Strength

- (1) Consultancy is good and progressive
- (2) Department presentation of outcomes in research is good.

Weakness

- (1) Course file - attainment missing.
- (2) Publications - Categorywise (Scopus/SCI) missing.
- (3) Conference registration utilization is missing.

Scope for Improvement

- (1) Budget allocation process to be discussed at department level
- (2) Summary of department projections for 2022-2023

Any Other Comments

- (1) Biodata - common template to be followed.
- (2) All registers to have dates in audit.
- (3) Collaboration at Department level more at knowledge exchange.

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Name of the Department	office	Date of Audit	30/ Aug/2022
Name of the Auditors	Dr. T. Sankhil Kumar		
Academic Year	2022		
REPORT OF THE AUDITORS			
Observations ① Admission advertisement - ④ AICTE ⑦ NAAC. ⑫ Cerebra ② Student nominal roll - ⑤ UGC. ⑧ Insurance ③ DOTE. ⑥ NBA. ⑨ Scholarship ⑩ Individual student file. ⑪ Admission Registers.			
Strength ① scholarships for sports, <u>alumni</u> , ramakrishna trust.			
Weakness —			
Scope for Improvement —			
Any Other Comments ① signature in nominal roll file			
Signature of the Auditors		Date	30-Aug-2022



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EXTERNAL AUDIT

Name of the Department	Physical Education	Date of Audit	30/8/22
Name of the Auditors	Dr. S. Selvanayagi Dept of Mathematics IQAC Coordinator Kumaraguru College of Tech, CBG		
Academic Year	2021-22		
REPORT OF THE AUDITORS			
Observations Event reports to be maintained properly Budget for the year 2021-22 not available			
Strength Students participation in state level and zonal tournaments			
Weakness Only few program events organised for students			
Scope for Improvement National and international participation - Students to be motivated			
Any Other Comments Webinars can be organised related to Physical fitness.			
Signature of the Auditors		Date	30/8/22



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EXTERNAL AUDIT

Name of the Department	Physics.	Date of Audit	30/08/2022
Name of the Auditors	Dr. T. Senthil Kumar.		
Academic Year	2022.		
REPORT OF THE AUDITORS			
Observations ① Course file → to have companion in attainment ② <u>github</u> profile.			
Strength ① Placement support for solution. ② Fundry projects program <u>will</u> ③ Faculty biodata <u>posting</u> is <u>good</u> .			
Weakness ① Budget process to be prepared with minutes. ② Publications to be categorized with impact factor. ③			
Scope for Improvement ① course file to have comments of previous iterations. ② A3 Posters for the projects to be prepared.			
Any Other Comments ① Consolidation of Performance coursewise to be prepared. ② Remarks on remedial process in the course. ③ Qp. versions can be handled.			
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EXTERNAL AUDIT

Name of the Department	Placement	Date of Audit	30.
Name of the Auditors	Dr A. Senthil Kumar Professor & HOD / EEE Dr Mahalingam College of Engg & Techn		
Academic Year	21-22		
REPORT OF THE AUDITORS			
Observations - Employer feed back not available - Internship details ^{with stipend.} are partially updated			
Strength - Good team of internal trainers and follow up seems good.			
Weakness -			
Scope for Improvement			
Any Other Comments -			
Signature of the Auditors		Date	30.8.22



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EXTERNAL AUDIT

Name of the Department	Robotics and Automation	Date of Audit	30/8/22.
Name of the Auditors	Dr. S. Selvanayagi Dept of Mathematics ZAAE Coordinator, Kumaraguru College of Tech, CBET		
Academic Year	2022-23.		
REPORT OF THE AUDITORS			
Observations Deviation in CO in course plan and in AP (20EE238) (CO5 not addressed). Course Committee Meeting, Parents Meeting Feedback Analysers and ATR Missing.			
Strength Students strength intake			
Weakness -			
Scope for Improvement Internship for students to be increased.			
Any Other Comments Industry relation can be improved.			
Signature of the Auditors	 30/8/22	Date	30/8/22.