ACADEMIC AND ADMINISTRATIVE AUDIT (AAA) 2021-2022	Internal Quality Assurance Cell (IQAC) Sri Ramakrishna Engineering College, Coimbatore

EXTERNAL AUDIT

Name of the Department	Aeronatical Enginerry	**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 - Compoussan of year wise attainment missing.
(2) Faculty File - to have h-inde.

Strength

(1) Provisn assessment is clearly provided
(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) Rubrics in project to be not uniform.
(3) MITACS Global Research Internship.

Any Other Comments

(1) All files to be signed by HoD with date
(2) Scholarship through Alumini available.

Signature of the Auditors	[signature]	**Date**	30/Aug/2022.

ACADEMIC AND ADMINISTRATIVE AUDIT (AAA) 2021-2022	Internal Quality Assurance Cell (IQAC) Sri Ramakrishna Engineering College, Coimbatore

EXTERNAL AUDIT

Name of the Department	BME	**Date of Audit**	30/08/2022
Name of the Auditors	Dr. U.S. Ragupathy Professor & CCO(ACR) KEC, Perundurai		
Academic Year	2021-22		

REPORT OF THE AUDITORS

Observations

- 17 out of 52 - gone for Internship of which only 5 outside placement. 4 (Paid)
- core placement exists, but count with LPA to be improved.

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 scorer - faculty - action taken - missing

Signature of the Auditors		**Date**	30/08/2022

ACADEMIC AND ADMINISTRATIVE AUDIT (AAA) 2021-2022	Internal Quality Assurance Cell (IQAC) Sri Ramakrishna Engineering College, Coimbatore

EXTERNAL AUDIT

Name of the Department	Chemistry	**Date of Audit**	30/08/2022
Name of the Auditors	Dr. U. S. Ragupathy Professor & CCO(ACR) KEC, 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 shown 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 QP to be improved.
Laboratory experiments to be enhanced.

Any Other Comments

Signature of the Auditors		**Date**	30/08/2022.

ACADEMIC AND ADMINISTRATIVE AUDIT (AAA) 2021-2022

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

EXTERNAL AUDIT

Name of the Department	Civil Engineering	**Date of Audit**	30.08.2020.
Name of the Auditors	Dr. U.S. Ragupathy Professor & CCO(ACR) KEC, Perundurai		
Academic Year	2021-22.		

REPORT OF THE AUDITORS

Observations

OBE - not followed in true spirit.
Industry connect - in place but no MoUs.
~~Also~~ 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 ~~[illegible]~~ ever since.
NO R&D projects since the establishment of the dept.
NO active MoUs.
Rubrics not available for practical course.

Scope for Improvement

- Printed books for practical courses may be optimised

Any Other Comments

20CE251 - Geo mechanics (TBP) - A few list of experiments not considered for assessment.

Signature of the Auditors	[signature]	**Date**	30/08/2022

ACADEMIC AND ADMINISTRATIVE AUDIT (AAA) 2021-2022	Internal Quality Assurance Cell (IQAC) Sri Ramakrishna Engineering College, Coimbatore

EXTERNAL AUDIT

Name of the Department	Computer Science + Eng	Date of Audit	30/8/2022.
Name of the Auditors	Dr. S. Selvanayaki 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	[signature] 30/8/22	Date	30/8/22.

ACADEMIC AND ADMINISTRATIVE AUDIT (AAA) 2021-2022	Internal Quality Assurance Cell (IQAC) Sri Ramakrishna Engineering College, Coimbatore

EXTERNAL AUDIT

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

REPORT OF THE AUDITORS

Observations

1. Course files - Exercises to have for slow/fast learners.
2. One credit course - Sheet that has assessment pattern.
3. Course wise participation (Subject wise)

Strength

(1) Miniprojects provided - 16EC260 -
(2) Internship stipend available to students.
~~(3)~~

Weakness

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

Scope for Improvement

(1) Miniproject to have a template -
(2) Course files to include previous year performance
(3) Courses have 2 ~~Credi~~ CO's. - to check

Any Other Comments

to have CO's. (4) Rubrics for Case study.
(1) Manual
(2) For faculty h-index, google scholar URL [Categorized].
(5) DAAC to have course wise comparison

Signature of the Auditors	[signature]	**Date**	30/8/2022.

ACADEMIC AND ADMINISTRATIVE AUDIT (AAA) 2021-2022	Internal Quality Assurance Cell (IQAC) Sri Ramakrishna Engineering College, Coimbatore

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 Pollachi		
Academic Year	21-22		

REPORT OF THE AUDITORS

Observations

- Mr Praveenkumar /EEE mark entry and Internal Mark computation ~~is~~ is wrong - The mark awarded and mark 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 action.

Scope for Improvement

- Research Publication quality like SCI + WoS

Any Other Comments

- System in place ~~and~~.
- Project review ~~mark~~ evaluation to be improved almost all students got 20/20 or 19/20

Signature of the Auditors	(signature)	**Date**	30.8.22.

ACADEMIC AND ADMINISTRATIVE AUDIT (AAA) 2021-2022	Internal Quality Assurance Cell (IQAC) Sri Ramakrishna Engineering College, Coimbatore

EXTERNAL AUDIT

Name of the Department	~~EEE~~ EIE	Date of Audit	30.8.22
Name of the Auditors	Dr A. Senthilkumar 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	[signature]	Date	30.8.22

ACADEMIC AND ADMINISTRATIVE AUDIT (AAA) 2021-2022	Internal Quality Assurance Cell (IQAC) Sri Ramakrishna Engineering College, Coimbatore

EXTERNAL AUDIT

Name of the Department	English	**Date of Audit**	30.8.22
Name of the Auditors	Dr A. Senthilkumar Professor & HOD /EEE 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	[signature] 30.8.22	**Date**	30.8.22

ACADEMIC AND ADMINISTRATIVE AUDIT (AAA) 2021-2022	Internal Quality Assurance Cell (IQAC) Sri Ramakrishna Engineering College, Coimbatore

EXTERNAL AUDIT

Name of the Department	IT / AIDS	Date of Audit	30 . 8 . 22
Name of the Auditors	Dr A. Senthil Kumar Professor & HoD / EEE Dr Mahalingam college of Engg + Tech.		
Academic Year	21 - 22		

REPORT OF THE AUDITORS

Observations

- Proof for evaluation of OCE 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

ACADEMIC AND ADMINISTRATIVE AUDIT (AAA) 2021-2022	Internal Quality Assurance Cell (IQAC) Sri Ramakrishna Engineering College, Coimbatore

EXTERNAL AUDIT

Name of the Department	Library	**Date of Audit**	30/08/2022.
Name of the Auditors	Dr. U.S. Ragupathy Professor & ECO (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 norms.
- 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

ACADEMIC AND ADMINISTRATIVE AUDIT (AAA) 2021-2022	Internal Quality Assurance Cell (IQAC) Sri Ramakrishna Engineering College, Coimbatore

EXTERNAL AUDIT

Name of the Department	Mathematics	**Date of Audit**	30/8/22.
Name of the Auditors	Dr. S. Selvanayaki 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 (alloted-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 programme to Students to motivate (Make active learning) and application of Mathematics

Any Other Comments

Continuous three hours for Mathematics Course to be looked in Student and Faculty point of view.

Signature of the Auditors	[signature]	**Date**	30/8/22

ACADEMIC AND ADMINISTRATIVE AUDIT (AAA) 2021-2022	Internal Quality Assurance Cell (IQAC) Sri Ramakrishna Engineering College, Coimbatore

EXTERNAL AUDIT

Name of the Department	MBA	**Date of Audit**	30/8/22.
Name of the Auditors	Dr. S. Selvanayaki Dept of Mathematics IQAC 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 programme.
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	[signature]	**Date**	30/8/22.

ACADEMIC AND ADMINISTRATIVE AUDIT (AAA) 2021-2022	Internal Quality Assurance Cell (IQAC) Sri Ramakrishna Engineering College, Coimbatore

EXTERNAL AUDIT

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

REPORT OF THE AUDITORS

Observations

Good R&D activities.

Documentation work - Excellent.

Feedback - Questioner 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 (PAIC) formation - required & approved.
- Institutional Research Fellowship - Not availed.

Scope for Improvement

16ME215 - DM } - 3 continuous hours / week.
16ME222 - DFM&A } 2 " " " - twice.

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

Any Other Comments

Lecture Plan may include proposed & actual date & hour and CO's

Signature of the Auditors		**Date**	30.08.2022

ACADEMIC AND ADMINISTRATIVE AUDIT (AAA) 2021-2022	Internal Quality Assurance Cell (IQAC) Sri Ramakrishna Engineering College, Coimbatore

EXTERNAL AUDIT

Name of the Department	Nano Science & Technology	**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 collabrators 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 proposals 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.

Signature of the Auditors		**Date**	30/Aug/2022.

ACADEMIC AND ADMINISTRATIVE AUDIT (AAA) 2021-2022	Internal Quality Assurance Cell (IQAC) Sri Ramakrishna Engineering College, Coimbatore

EXTERNAL AUDIT

Name of the Department	office.	Date of Audit	30/Aug/2022.
Name of the Auditors	Dr. T. Senthil Kumar.		
Academic Year	2022.		

REPORT OF THE AUDITORS

Observations
① Admission advertisement - ④ AICTE ⑦ NAAC. ⑫ Circular
② Student nominal roll - ⑤ UGC. ⑧ Insurance
③ DOTE. ⑥ NBA. ⑨ Scholarship.
⑩ Individual student file. ⑪ Admission Register.

Strength
① scholarships for sports, alumni, ramakrishna trust.

Weakness
—

Scope for Improvement
—

Any Other Comments
① signature in nominal roll file

Signature of the Auditors	[signature]	Date	30-Aug-2022.

ACADEMIC AND ADMINISTRATIVE AUDIT (AAA) 2021-2022	Internal Quality Assurance Cell (IQAC) Sri Ramakrishna Engineering College, Coimbatore

EXTERNAL AUDIT

Name of the Department	Physical Education.	Date of Audit	30/8/22
Name of the Auditors	Dr. S. Selvanayaki Dept of Mathematics IQAC Coordinator Kumaraguru College of Tech, CBE		
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 ~~progra~~ 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	[signature] 30/8/22	Date	30/8/22

ACADEMIC AND ADMINISTRATIVE AUDIT (AAA) 2021-2022	Internal Quality Assurance Cell (IQAC) Sri Ramakrishna Engineering College, Coimbatore

EXTERNAL AUDIT

Name of the Department	Physics.	**Date of Audit**	30/Aug/2022
Name of the Auditors	Dr. T. Senthilkumar.		
Academic Year	2022.		

REPORT OF THE AUDITORS

Observations
① Course file → to have comparison in attainment
② github profile.

Strength
① Placement support for solution.
② Funding projects progressing well
③ Faculty Biodata profiling is good.

Weakness
① Budget process to be prepared with minutes.
② Publications to be categorized with impact factors
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 course wise to be prepared.
② Remarks on remedial process in the course.
③ Qp. versions can be handled.

Signature of the Auditors	[signature]	**Date**	30/8/2022.

ACADEMIC AND ADMINISTRATIVE AUDIT (AAA) 2021-2022	Internal Quality Assurance Cell (IQAC) Sri Ramakrishna Engineering College, Coimbatore

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 & Tech		
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	[signature]	Date	30.8.22

ACADEMIC AND ADMINISTRATIVE AUDIT (AAA) 2021-2022	Internal Quality Assurance Cell (IQAC) Sri Ramakrishna Engineering College, Coimbatore

EXTERNAL AUDIT

Name of the Department	Robotics and Automation	**Date of Audit**	30/8/22.
Name of the Auditors	Dr. S. Selvanayaki Dept of Mathematics IQAC Coordinator, Kumaraguru College of Tech, CBE		
Academic Year	2022-23.		

REPORT OF THE AUDITORS

Observations

Deviation in CO in course plan and in QP (20EE238)
(CO5 not addressed).
Course Committee Meeting, Parents Meeting Feedback Analysis 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	[signature] 30/8/22	**Date**	30/8/22.