

**INTERNAL ACADEMIC AUDIT FOR THE ACADEMIC YEAR 2022-23**

Name of the Department	Civil Engineering
Date of Internal Academic Audit	3 <sup>rd</sup> July 2023
Names of the Internal Auditors	1. Dr S Venkateshwar, Dean (Examinations) 2. Dr A Rajasekhar, Dean (Academics) 3. Dr Ravi M Yadahalli, Dean (Quality Assurance & Accreditation)

**Observations by the IAAC:**

Criterion	Verification Comments Yes/ No	Suggestions for improvements	Remarks
<b>A. Department Profile</b>			
i. NBA Recommendations and Action Taken	Yes	Complete files at the earliest	but proof not enclosed for few comments Events file not updated as per check list <b>Not satisfactory</b>
ii. Placement Records	Yes	Collect the info from TPO and update file	Data available, but no proof enclosed (20 out of 138 placed) <b>Not satisfactory</b>
iii. Research Grants/ Consultancy Activities	Yes	Summary list to be enclosed	Research Grants – 03 (Summary list not enclosed) Consultancy Activities – Okay <b>Satisfactory</b>
iv. Guest Lectures by experts/ Alumni*	Yes	---	8 number <b>Satisfactory</b>
v. Conferences/ FDPs/ Workshops/ Seminars organised <b>6 per year – Excellent, 4 per year – Good, 2 per year - Average</b>	No	Collect the info and prepare the file	Data not available <b>Not satisfactory</b>
vi. Professional Society Activities <b>6 per year – excellent, 4 per year – Good, 2 per year – average</b>	Yes	---	08 - (IGBC, IEI) <b>Excellent</b>
vii. MoUs Signed <b>3 per year – Excellent, 2 per year – Good 1 per year – Average</b>	Yes	Proof needs to be collected	1 event under HIEE (55 students), 65 Internships under VDEI, Industrial Visit under RES (44 Students) No proof enclosed <b>Satisfactory</b>
viii. Collaborations/ Interactions with industry/ Research Centers/ Educational Institutions	No	Needs collaboration with Industry/ academic institutions	<b>Not satisfactory</b>
ix. Newsletters/ Magazines ( <b>2 per year – Compulsory</b> )	No	Prepare on urgent basis	<b>Not satisfactory</b>
x. Faculty Attendance Registers	Yes		
xi. Student feedback forms collected from all students (At the end of semester), Students Feedback on TLP & ATR	Yes	Prepare ATR immediately	Student feedback forms – Yes Action taken report – No <b>Not satisfactory</b>



**INTERNAL ACDEMIC AUDIT FOR THE ACADMIC YEAR 2022-23**

Criterion	Verification Comments Yes/ No	Suggestions for improvements	Remarks
<b>B. Faculty Profile</b>			
i. List of faculty and their workload	Yes	----	<b>Satisfactory</b>
ii. Personal Files	Yes	Complete the remaining personal files	7 out of 13 available <b>satisfactory</b>
iii. Course Files (Including Laboratories)	Yes	Complete it immediately	8T + 1L available Out of 29 T + 11 L <b>Not satisfactory</b>
iv. Laboratory Manuals and Records	Yes	Take care of CIE	but Records without CIE <b>satisfactory</b>
v. Students attendance registers	Yes	---	<b>satisfactory</b>
vi. Mentoring Records	Yes	Complete it at the earliest	<b>Not satisfactory</b>
vii. Innovative work / Start Ups / Patents & Copyrights	Yes	---	Innovative work / Start Ups / Copyrights – NIL, Patents - 02 <b>satisfactory</b>
viii. Conferences/ Seminars / symposiums attended (1 per faculty)	Yes	Get ready List with proof	Conferences – 02, Seminars -21 <b>satisfactory</b>
ix. Research Publications / Articles/ Books Published (1 per faculty)	Yes	---	Research Publications -02 (only 2 faculty are involved), Articles - NIL Books – 02 , Book Chapters -02
ix. . FDP/ Training programs / Workshops attended (1 per faculty)	Yes	---	FDP – 26, Workshops – 10 <b>satisfactory</b>
x. Preparation of E-learning Materials / Content/ Monograms (1 per faculty)	Yes	---	E-learning Materials – Youtube- 01 <b>satisfactory</b>
xi. Acted as resource persons	Yes	---	01 <b>satisfactory</b>
xii Ph.D. Registered/ awarded	Yes	---	Ph.D. Registered - 01



**INTERNAL ACDEMIC AUDIT FOR THE ACADMIC YEAR 2022-23**

<b>Criterion</b>	<b>Verification Comments Yes/ No</b>	<b>Suggestions for improvements</b>	<b>Remarks</b>
<b>C. Student Profile</b>			
i. Semester wise roll list	Yes	---	<b>satisfactory</b>
ii. Projects / Mini Project Reports	No	Needs to prepare at the earliest	<b>Not satisfactory</b>
iii. Internships	Yes, but not updated	Needs updating	<b>Not satisfactory</b>
iv. Conferences/ Workshops/ Seminars/ Webinars attended	No	Encourage students wrt this event	<b>Not satisfactory</b>
v. Study Tours/ Industrial Visits / Field Visit / Case Studies/ Training Programs etc Attended	Yes	Prepare as per NBA format	<b>169 satisfactory</b>
vi. Students involvement in extra-curricular / Co-curricular activities	No	Collect info from respective sections	<b>Not satisfactory</b>
<b>Criterion</b>	<b>Verification Comments Yes/ No</b>	<b>Suggestions for improvements</b>	<b>Remarks</b>
<b>D. Examinations</b>			
i. Mid Question Papers	Yes	---	<b>satisfactory</b>
ii. Mid Answer Scripts	Yes	---	<b>satisfactory</b>
iii. Assignments	Yes	---	<b>satisfactory</b>
iv. Laboratory Records with CIE	Yes	Available, but marks not mentioned individually	<b>Not satisfactory</b>
v. Result Analysis (Course / Faculty wise)	Yes	Needs to conduct academic audit for the subjects wherein the results is poor	3 <sup>rd</sup> Semester – 30% (NS) 5 <sup>th</sup> Semester – 36% (NS) 7 <sup>th</sup> Semester – 65% (S)



**INTERNAL ACDEMIC AUDIT FOR THE ACADMIC YEAR 2022-23**

**Please comment on SWOC Analysis:**

Strengths	<ol style="list-style-type: none"><li>1. Faculty of Civil Engineering are well qualified, experienced and are from Top Universities of the country.</li><li>2. Laboratories are fully equipped with sophisticated instruments and are even feasible for consultancy works.</li><li>3. Department of Civil Engineering has a separate wing of Consultancy. Currently, consultancy is handling third party quality control work of GHMC and HRDCL.</li><li>4. Department library and internet facilities are available as per the norms stipulated.</li><li>5. Mechanism is available for direct mentoring of students by faculty, interacting with students, and directing them to upgrade their skills.</li></ol>
Weaknesses	<ol style="list-style-type: none"><li>1. Need of motivating faculty for applying various Research funded projects to strengthen &amp; develop the research culture in the department.</li><li>2. Student and staff are to be encouraged to participate in various National/International conferences to publish journals.</li></ol>
Opportunities	<ol style="list-style-type: none"><li>1. Industry Institution Interaction Cell made few active MoUs in the present semester to inculcate the students with knowledge of latest technologies in the industry</li><li>2. Collaborative work with governmental &amp; Private organizations like NAC, VDEI is being planned to make students industry ready and also for placement facilities</li></ol>
Challenges	<ol style="list-style-type: none"><li>1. Number of students joining the department every year is drastically reduced. One of the major reasons might be the biased view of the students' and parents' community towards the high paying new technologies like AI, Data Science etc.To cope the above situation, our department incorporated few courses with applications of AI and ML, to make the students inter-disciplinary and industry ready with multiple job options</li></ol>
Best Practice (S) / Innovations of the Department	<ol style="list-style-type: none"><li>1. Industrial Consultancy work</li><li>2. Faculty research and patenting</li><li>3. Faculty publishing books</li></ol>
Future Plans of the Department	<ol style="list-style-type: none"><li>1. To Improve Industry Institute Interaction for knowledge exchange and Placement opportunities</li><li>2. To start Centre of Excellence in Green Building Technology</li></ol>



**INTERNAL ACDEMIC AUDIT FOR THE ACADMIC YEAR 2022-23**

**Overall observations and Recommendations of the committee**

The department is good in conducting a number of seminars. Also, the Department has encouraged many faculties to attend the technical events. Further, the Department has conducted number of Professional society activities at regular interval. However, the Department needs an improvement in

- Compliance with regard to NBA recommendations
- Immediate updating of personal files, Course files and mentoring books
- Number of Research publications published
- Few (only 2) faculty are involved in publication of research articles
- Student activities/ participation
- Coordination between department and TPO and therefore an enormous improvement in placements
- Student Admission
- Visibility of the department

<b>Name of IAA</b>	<b>Signature with Date</b>
1. Dr S. Venkateshwar Dean (Examinations)	
2. Dr A Rajasekhar Dean (Academics)	
3. Dr Ravi M Yadahalli Dean (Quality Assurance & Accreditation)	

**INTERNAL ACADEMIC AUDIT FOR THE ACADEMIC YEAR 2022-23**

Name of the Department	Mechanical Engineering
Date of Internal Academic Audit	3 <sup>rd</sup> July 2023
Names of the Internal Auditors	1. Dr S Venkateshwar, Dean (Examinations) 2. Dr A Rajasekhar, Dean (Academics) 3. Dr Ravi M Yadahalli, Dean (Quality Assurance & Accreditation)

**Observations by the IAAC:**

<b>Criterion</b>	<b>Verification Comments Yes/ No</b>	<b>Suggestions for improvements</b>	<b>Remarks</b>
<b>A. Department Profile</b>			
i. NBA Recommendations and Action Taken	Yes	---	Action initiated, partially implemented, <b>Not satisfactory</b>
ii. Placement Records	Yes	---	Available, but not updated for AY 22-23, <b>Not satisfactory</b>
iii. Research Grants/ Consultancy Activities	Yes	---	Research Grants – 06 Applied, Consultancy Activities – NIL
iv. Guest Lectures by experts/ Alumni ( <b>6 per year – Excellent, 4 per year – Good, 2 per year – Average</b> )	Yes	---	Seminars/ Webinars -07, <b>Excellent</b>
v. Conferences/ FDPs/ Workshops/ Seminars organised ( <b>6 per year – Excellent, 4 per year – Good, 2 per year – Average</b> )	No	To be organised at the earliest	<b>Poor</b>
vi. Professional Society Activities ( <b>3 per year – Excellent, 2 per year – Good, 1 per year – Average</b> )	No	To be conducted at the earliest	IWS, IEOM, <b>Not Satisfactory</b>
vii. MoUs Signed ( <b>3 per year – Excellent, 2 per year – Good, 1 per year – Average</b> )	Yes	---	SVI – NIL, PABS – 01 (15 students) LPT – 01 (20), AT – 01 (20), <b>Excellent</b>
viii. Collaborations/ Interactions with industry/ Research Centers/ Educational Institutions	Yes	---	01 with PABS, <b>Satisfactory</b>
ix. Newsletters/ Magazines ( <b>2 per year – Compulsory</b> )	Yes	---	02, <b>Satisfactory</b>
x. Faculty Attendance Registers	Yes	---	<b>Satisfactory</b>
xi. Student feedback forms collected from all students (At the end of semester) on TL Process and ATR	Yes	---	SFF available, but no ATR, <b>Not Satisfactory</b>

**INTERNAL ACDEMIC AUDIT FOR THE ACADMIC YEAR 2022-23**

<b>Criterion</b>	<b>Verification</b>	<b>Suggestions for</b>	<b>Remarks</b>
<b>B. Faculty Profile</b>	<b>Comments Yes/ No</b>	<b>improvements</b>	
i. List of faculty and their workload	Yes	---	<b>Satisfactory</b>
ii. Personal Files	Yes	---	10 out of 10 Available, <b>Satisfactory</b>
iii. Course Files (Including Laboratories)	Yes	---	14T, 1L out of 20 T + 6 L – Available CO Feedback not completed and indirect attainment is pending <b>Not Satisfactory</b>
iv. Laboratory Manuals and Records	Yes	---	Records without CIE
v. Students attendance registers	Yes	---	<b>Satisfactory</b>
vi. Mentoring Records	Yes	---	Partially completed, <b>Not Satisfactory</b>
vii. Innovative work / Start Ups / Patents & Copyrights	Yes	---	Patents 2 published and 2 under examination for grants, <b>Satisfactory</b>
viii. Conferences/ Seminars / symposiums attended ( <b>1 per faculty</b> )	Yes	---	06, <b>Not Satisfactory</b>
ix. Research Publications / Articles/ Books Published ( <b>1 per faculty</b> )	Yes	---	Research Publications - 04, <b>Not Satisfactory</b>
ix. . FDP/ Training programs / Workshops attended ( <b>1 per faculty</b> )	Yes	---	FDP – 11 faculty members, <b>Satisfactory</b>
x. Preparation of E-learning Materials / Content/ Monograms ( <b>1 per faculty</b> )	Yes	---	<b>Satisfactory</b>
xi. Acted as resource persons	No	---	NIL- <b>Not Satisfactory</b>
xii Ph.D. Registered/ awarded	Yes	---	Ph.D. Registered -01



**INTERNAL ACDEMIC AUDIT FOR THE ACADMIC YEAR 2022-23**

<b>Criterion</b>	<b>Verification Comments Yes/ No</b>	<b>Suggestions for improvements</b>	<b>Remarks</b>
<b>C. Student Profile</b>			
i. Semester wise roll list	Yes	---	<b>Satisfactory</b>
ii. Projects / Mini Project Reports	Yes	---	<b>Satisfactory</b>
iii. Internships	Yes	---	<b>Satisfactory</b>
iv. Conferences/ Workshops/ Seminars/ Webinars attended	No	To be conducted at the earliest	Workshops – 56 (NDT), File is incomplete <b>Not Satisfactory</b>
v. Study Tours/ Industrial Visits / Field Visit / Case Studies/ Training Programs etc Attended	Yes	---	Industrial visits -01 (List not available) Training Programs 22 (Solid Edge Training) <b>Satisfactory</b>
vi. Students involvement in extra-curricular / Co-curricular activities	Yes	---	Co-curricular activities – 03, <b>Satisfactory</b>
<b>Criterion</b>	<b>Verification Comments Yes/ No</b>	<b>Suggestions for improvements</b>	<b>Remarks</b>
<b>D. Examinations</b>			
i. Mid Question Papers	Yes	---	<b>Satisfactory</b>
ii. Mid Answer Scripts	Yes	---	<b>Satisfactory</b>
iii. Assignments	Yes	---	<b>Satisfactory</b>
iv. Laboratory Records with CIE	No	To be updated at the earliest	<b>Not Satisfactory</b>
v. Result Analysis (Course / Faculty wise)	Yes	---	3 <sup>rd</sup> Semester - 41 % 5 <sup>th</sup> Semester – 23 % 7 <sup>th</sup> Semester – 57 % & 44 % <b>Not Satisfactory</b>





**INTERNAL ACDEMIC AUDIT FOR THE ACADMIC YEAR 2022-23**

**Please comment on SWOC Analysis:**

Strengths	<ol style="list-style-type: none"><li>1. Well qualified and committed faculty</li><li>2. Good computational and Experimental facilities</li><li>3. ICT enabled class rooms and state-of-the-art laboratories</li><li>4. Recognised as research centre and consultancy works are performed</li><li>5. MOU's with Industries,</li><li>6. Student centric Teaching Methodologies are adopted</li></ol>
Weaknesses	<ol style="list-style-type: none"><li>1. Conduct of National and International Conferences</li><li>2. Less publications in quality peer reviewed journals ( SCI/Web of Science/Scopus etc )</li><li>3. Training and consultancy services</li><li>4. R &amp;D projects</li><li>5. Lack of professional society activities.</li></ol>
Opportunities	<ol style="list-style-type: none"><li>1. Making students Industry ready with skill based programmes</li><li>2. Encouraging the students for enrolling in MOOC/SWAYAM courses in the form of academic flexibility.</li><li>3. Develop Entrepreneurs and Innovators through value added technical courses</li><li>4. Participation in projects expo in national level</li></ol>
Challenges	<ol style="list-style-type: none"><li>1. To attract better rank students</li><li>2. Changing scenario of Mechanical Engineering</li><li>3. Attracting external funding for Research projects</li><li>4. To nurture the entrepreneurship skills in Mechanical Engineering students</li><li>5. To increase high quality industry jobs in core sector</li></ol>
Best Practice (S) / Innovations of the Department	<ol style="list-style-type: none"><li>1. Regular industrial visits</li><li>2. Use of Innovative teaching learning methods</li><li>3. Value added courses and skill development courses are imparted to students in addition to regular courses.</li><li>4. Students have the provision to opt for department hosted Professional elective courses or equivalent NPTEL/MOOC courses.</li></ol>
Future Plans of the Department	<ol style="list-style-type: none"><li>1. The department will try to participate in major national programmes, which are industry institute related.</li><li>2. Attempts will be made towards enhancing research funding from Industries / other funding agencies.</li><li>3. To nurture innovators in technology.</li><li>4. To empower students to pursue higher levels of graduation, leadership positions, and entrepreneurial endeavours.</li><li>5. To improve consultancy services to the Industry on latest technologies.</li></ol>



**INTERNAL ACDEMIC AUDIT FOR THE ACADMIC YEAR 2022-23**

**Overall observations and Recommendations of the committee**

The department is having good number of faculty with PhD ( 6 No.), Good computational and Experimental facilities, MOU's with Industries (4 NO.). However, the Department needs an improvement in

- Immediate updating of Course files and mentoring books
- Number of Research publications published
- Number of Professional society activities conducted at regular interval
- Compliance wrt NBA recommendation
- Student activities/ participation
- Coordination between department and TPO and therefore an enormous improvement in placements
- Student Admission
- Visibility of the department

<b>Name of IAA</b>	<b>Signature with Date</b>
1. Dr S. Venkateshwar Dean (Examinations)	
2. Dr A Rajasekhar Dean (Academics)	
3. Dr Ravi M Yadahalli Dean (Quality Assurance & Accreditation)	



**INTERNAL ACADEMIC AUDIT FOR THE ACADEMIC YEAR 2022-23**

Name of the Department	Electrical and Electronics Engineering
Date of Internal Academic Audit	4 <sup>th</sup> July 2023
Names of the Internal Auditors	1. Dr S Venkateshwar, Dean (Examinations) 2. Dr A Rajasekhar, Dean (Academics) 3. Dr Ravi M Yadahalli, Dean (Quality Assurance & Accreditation)

**Observations by the IAAC:**

Criterion	Verification Comments Yes/ No	Suggestions for improvements	Remarks
<b>A. Department Profile</b>			
i. NBA Recommendations and Action Taken	No		No awareness by Department
ii. Placement Records	Yes	---	26 students got placed, but not updated for AY 22-23, <b>Satisfactory</b>
iii. Research Grants/ Consultancy Activities	Yes	---	Research Grants – 01 Applied, <b>satisfactory</b>
iv. Guest Lectures by experts/ Alumni <b>6 per year – Excellent, 4 per year – Good, 2 per year - Average</b>	Yes	---	02, <b>satisfactory</b>
v. Conferences/ FDPs/ Workshops/ Seminars organised <b>6 per year – Excellent, 4 per year – Good, 2 per year – Average</b>	Yes	---	Workshops – 01 (70 students benefitted) Seminars – 01 (59 students benefitted) <b>satisfactory</b>
vi. Professional Society Activities <b>3 per year – Excellent, 2 per year – Good, 1 per year – Average</b>	Yes	---	I – GS, 1 – SC under IEEE <b>satisfactory</b>
vii. MoUs Signed ( <b>3 per year – Excellent, 2 per year – Good, 1 per year – Average</b> )	Yes	---	HIEE & Skill Desire – No proof of activities, MEPAC – 1 Workshop (70 students benefitted) <b>satisfactory</b>
viii. Collaborations/ Interactions with industry/ Research Centers/ Educational Institutions	No	To be completed at the earliest	<b>Not satisfactory</b>
ix. Newsletters/ Magazines ( <b>2 per year – Compulsory</b> )	No	To be completed at the earliest	<b>Not satisfactory</b>
x. Faculty Attendance Registers	Yes	----	<b>satisfactory</b>
xi. Student feedback forms collected from all students (At the end of semester on TLP and ATR)	Yes	ATR To be completed at the earliest	Student feedback forms - Yes Action taken report – No <b>satisfactory</b>

**INTERNAL ACADEMIC AUDIT FOR THE ACADEMIC YEAR 2022-23**

<b>Criterion</b>	<b>Verification Comments Yes/ No</b>	<b>Suggestions for improvements</b>	<b>Remarks</b>
<b>B. Faculty Profile</b>			
i. List of faculty and their workload	Yes	---	<b>Satisfactory</b>
ii. Personal Files	Yes	---	5 out of 11 Available, but partially completed, <b>Satisfactory</b>
iii. Course Files (Including Laboratories)	Yes	---	7T out of 17 T & 0 out of 7L Available <b>Satisfactory</b>
iv. Laboratory Manuals and Records	Yes	---	Without CIE, <b>Satisfactory</b>
v. Students attendance registers	Yes	---	<b>Satisfactory</b>
vi. Mentoring Records	Yes	---	Partially updated, <b>Satisfactory</b>
vii. Innovative work / Start Ups / Patents & Copyrights	No	To be completed at the earliest	Patent – 01, no proof, <b>Not Satisfactory</b>
viii. Conferences/ Seminars / symposiums attended ( <b>1 per faculty</b> )	No	To be completed at the earliest	Conference – 02, Data available, but no file <b>Not Satisfactory</b>
ix. Research Publications / Articles/ Books Published ( <b>1 per faculty</b> )	Yes	---	Research Publications – 03, Articles - 00 Books – 02, <b>Satisfactory</b>
ix. FDP/ Training programs / Workshops attended ( <b>1 per faculty</b> )	No	To be completed at the earliest	Data is not available, <b>Not Satisfactory</b>
x. Preparation of E-learning Materials / Content/ Monographs ( <b>1 per faculty</b> )	Yes	---	<b>Satisfactory</b>
xi. Acted as resource persons	No	---	Nil, <b>Not Satisfactory</b>
xii Ph.D. Registered/ awarded	Yes	---	Ph.D. awarded – 01, <b>Satisfactory</b>



**INTERNAL ACDEMIC AUDIT FOR THE ACADMIC YEAR 2022-23**

<b>Criterion</b>	<b>Verification Comments</b>	<b>Suggestions for improvements</b>	<b>Remarks</b>
<b>C. Student Profile</b>	<b>Yes/ No</b>		
i. Semester wise roll list	Yes	---	<b>Satisfactory</b>
ii. Projects / Mini Project Reports	No	To be completed at the earliest	Data Available, but file not ready, <b>Not Satisfactory</b>
iii. Internships	No	To be completed at the earliest	Data Available, but file not ready, <b>Not Satisfactory</b>
iv. Conferences/ Workshops/ Seminars/ Webinars attended	No	To be completed at the earliest	Data Available, but file not ready, <b>Not Satisfactory</b>
v. Study Tours/ Industrial Visits / Field Visit / Case Studies/ Training Programs etc Attended	Yes	---	Industrial visits -02, but no updating , <b>Satisfactory</b>
vi. Students involvement in extra-curricular / Co-curricular activities	No	To be completed at the earliest	Data is Available, but file is not ready, <b>Not Satisfactory</b>
<b>Criterion</b>	<b>Verification Comments</b>	<b>Suggestions for improvements</b>	<b>Remarks</b>
<b>D. Examinations</b>	<b>Yes/ No</b>		
i. Mid Question Papers	Yes	---	<b>Satisfactory</b>
ii. Mid Answer Scripts	Yes	---	<b>Satisfactory</b>
iii. Assignments	Yes	---	<b>Satisfactory</b>
iv. Laboratory Records with CIE	Yes	To be completed at the earliest	CIE marks are not entered <b>Satisfactory</b>
v. Result Analysis (Course / Faculty wise)	3 <sup>rd</sup> Semester – 24% 5 <sup>th</sup> Semester – 02% 7 <sup>th</sup> Semester – 67%	To be improved at the earliest	<b>Not Satisfactory</b>



**INTERNAL ACDEMIC AUDIT FOR THE ACADMIC YEAR 2022-23**

**Please comment on SWOC Analysis:**

Strengths	<ol style="list-style-type: none"><li>1. The department of EEE has well qualified and dedicated faculty.</li><li>2. All the laboratories are as per the curriculum and are established on par with state of art technology. Testing facilities are available to carry out the routine tests for various equipment is available.</li><li>3. Separate department library and computing, internet facilities are available as per the norms stipulated.</li><li>4. Mechanism is available for direct mentoring of students by faculty, interacting with students, and directing them to upgrade their skills.</li></ol>
Weaknesses	<ol style="list-style-type: none"><li>1. Number of volumes and journals in the department library need to be increased.</li><li>2. The activities through Industry Institution Interaction Cell are to be improved.</li><li>3. More effort is needed to increase the number of state/central government funded projects to strengthen the department. Soft skills and communication skills of students need to be improved.</li><li>4. Student and staff are to be encouraged for paper presentation at various National/International conferences, workshops and seminars.</li></ol>
Opportunities	<ol style="list-style-type: none"><li>1. Scope for enhanced research work to be carried out in all related field of electrical engineering.</li><li>2. Possibility of becoming effective and individual entrepreneurs by enjoying the benefits and encouragement given by the management.</li><li>3. More employment potential in research centres and bodies like CPRI, DRDO etc.,</li><li>4. Scope for the development of interdisciplinary projects useful for society.</li></ol>
Challenges	<ol style="list-style-type: none"><li>1. Global recession may hamper placement opportunities for students.</li><li>2. To come out from this challenge the desired course objectives and outcomes are to be achieved satisfactorily.</li><li>3. To frame and design an effective Curriculum, Teaching learning methodologies that bridges the gap between Industry and Institution.</li><li>4. Development of advanced teaching &amp; learning methodologies and evolution, personal interaction by developing smart classrooms and mechanism for effective evaluation.</li></ol>
Best Practice (S) / Innovations of the Department	<ol style="list-style-type: none"><li>1. Students innovative projects</li><li>2. Faculty research and patenting</li><li>3. Faculty publishing books</li></ol>
Future Plans of the Department	<ol style="list-style-type: none"><li>1. To Improve Industry Interaction</li><li>2. To encourage and help students for developing solutions to societal problems</li><li>3. To start Centre of Excellence for Electric Vehicle Technology</li></ol>



**INTERNAL ACDEMIC AUDIT FOR THE ACADMIC YEAR 2022-23**

**Overall observations and Recommendations of the committee**

The department is having good number of research publications (15No.). However, the Department needs an improvement in

- Compliance wrt NBA recommendation
- Immediate updation of Course files and mentoring books
- MOU's with Industries
- Student Admission
- Visibility of the department
- Coordination between department and TPO and therefore an enormous improvement in placements

<b>Name of IAA</b>	<b>Signature with Date</b>
1. Dr S. Venkateshwar Dean (Examinations)	
2. Dr A Rajasekhar Dean (Academics)	
3. Dr Ravi M Yadahalli Dean (Quality Assurance & Accreditation)	

**INTERNAL ACDEMIC AUDIT FOR THE ACADMIC YEAR 2022-23**

Name of the Department	Electronics and Communication Engineering
Date of Internal Academic Audit	4 <sup>th</sup> July 2023
Names of the Internal Auditors	1. Dr S Venkateshwar, Dean (Examinations) 2. Dr A Rajasekhar, Dean (Academics) 3. Dr Ravi M Yadahalli, Dean (Quality Assurance & Accreditation)

**Observations by the IAAC:**

<b>Criterion</b>	<b>Verification Comments Yes/ No</b>	<b>Suggestions for improvements</b>	<b>Remarks</b>
<b>A. Department Profile</b>			
i. NBA Recommendations and Action Taken	Yes	ATR to be Prepared at the earliest	Data is available , but not in order <b>Not Satisfactory</b>
ii. Placement Records	No	To be collected at the earliest	26 out of 112 placed (offer letters not available) not updated for AY 22-23 <b>Not Satisfactory</b>
iii. Research Grants/ Consultancy Activities	Yes	---	RG - 4 applied (provisionally accepted), Consultancy Activities – 5 lakh worth in pipeline, <b>Satisfactory</b>
iv. Guest Lectures by experts/ Alumni <b>6 per year – Excellent, 4 per year – Good 2 per year - Average</b>	Yes	To be improved at the earliest	01 Guest Lecture, but no proof of 03 Guest Lectures <b>Satisfactory</b>
v. Conferences/ FDPs/ Workshops/ Seminars organised <b>6 per year – Excellent, 4 per year – Good, 2 per year- Avg</b>	Yes	---	Conferences – 02 (23, 78 benefitted), FDPs – 01 (50), Training – 01 (58), Seminars - 02 (121, 121) <b>Excellent</b>
vi. Professional Society Activities <b>3 per year – Excellent, 2 per year – Good, 1 per year – Average</b>	No	To be prepared at the earliest	01( partial data) <b>Poor</b>
vii. MoUs Signed ( <b>3 per year – Excellent, 2 per year – Good 1 per year – Average</b> )	Yes	---	01 (PRAGYTMIKA), 23 students benefitted under internship, <b>Satisfactory</b>
viii. Collaborations/ Interactions with industry/ Research Centers/ Educational Institutions	Yes	---	Interactions with Educational Institutions - 01 , but partial proof, <b>Satisfactory</b>
ix. Newsletters/ Magazines ( <b>2 per year – Compulsory</b> )	No	To be prepared at the earliest	<b>Not Satisfactory</b>
x. Faculty Attendance Registers	Yes	---	<b>Satisfactory</b>
xi. Student feedback forms collected from all students (At the end of semester), Students Feedback on TLP and ATR	Yes	ATR To be prepared at the earliest	<b>Not Satisfactory</b>





<b>Criterion</b>	<b>Verification Comments Yes/ No</b>	<b>Suggestions for improvements</b>	<b>Remarks</b>
<b>B. Faculty Profile</b>			
i. List of faculty and their workload	Yes	---	<b>Satisfactory</b>
ii. Personal Files	No	To be completed at the earliest	<b>Not Satisfactory</b>
iii. Course Files (Including Laboratories)	No	To be completed at the earliest	Available, but not complete (21T + 7 L) <b>Not Satisfactory</b>
iv. Laboratory Manuals and Records	Yes	To be completed at the earliest	Laboratory Manuals and Records available, but no CIE <b>Satisfactory</b>
v. Students attendance registers	Yes	---	<b>Satisfactory</b>
vi. Mentoring Records	Yes	To be completed at the earliest	Partially completed <b>Satisfactory</b>
vii. Innovative work / Start Ups / Patents & Copyrights	Yes	---	Patents – 03 (2 published = 1 filed) Proof available <b>Satisfactory</b>
viii. Conferences/ Seminars / symposiums attended ( <b>1 per faculty</b> )	Yes	---	Conferences – 02, Seminars - 06 Symposiums – 00 <b>Not satisfactory</b>
ix. Research Publications / Articles/ Books Published <b>1 per faculty</b>	Yes	---	Research Publications – 04 <b>Satisfactory</b>
ix. . FDP/ Training programs / Workshops attended <b>1 per faculty</b>	Yes	To Encourage faculty to attend the tech events regularly	FDP – 08, Training programs - 00 Workshops – 00 <b>Not satisfactory</b>
x. Preparation of E-learning Materials / Content/ Monograms <b>1 per faculty</b>	Yes	---	<b>Satisfactory</b>
xi. Acted as resource persons	04	---	<b>Satisfactory</b>
xii Ph.D. Registered/ awarded	No	---	Nil



<b>Criterion</b>	<b>Verification Comments</b>	<b>Suggestions for improvements</b>	<b>Remarks</b>		
<b>C. Student Profile</b>	<b>Yes/ No</b>				
i. Semester wise roll list	Yes	---	<b>Satisfactory</b>		
ii. Projects / Mini Project Reports	Yes	To be completed at the earliest	Data not in proper format <b>Satisfactory</b>		
iii. Internships	Yes	To be completed at the earliest	Data not in proper format <b>Satisfactory</b>		
iv. Conferences/ Workshops/ Seminars/ Webinars attended	Yes	To be completed at the earliest	Data not in proper format <b>Satisfactory</b>		
v. Study Tours/ Industrial Visits / Field Visit / Case Studies/ Training Programs etc Attended	Yes	Atleast 3 industrial visits per year	Industrial visits -01 <b>Not Satisfactory</b>		
vi. Students involvement in extra-curricular / Co-curricular activities	No	To be prprepared at the earliest	<b>Not Satisfactory</b>		
<b>Criterion</b>	<b>Verification Comments</b>	<b>Suggestions for improvements</b>	<b>Remarks</b>		
<b>D. Examinations</b>	<b>Yes/ No</b>				
i. Mid Question Papers	Yes	---	<b>Satisfactory</b>		
ii. Mid Answer Scripts	Yes	To be completed at the earliest	Data not in proper format <b>Satisfactory</b>		
iii. Assignments	Yes	To be completed at the earliest	Data not in proper format <b>Satisfactory</b>		
iv. Laboratory Records with CIE	Yes	CIE marks to be entered at the earliest	<b>Satisfactory</b>		
v. Result Analysis (Course / Faculty wise)	Yes	---	III	48	31
			V	21	13
			VII	72	27



**Please comment on SWOC Analysis:**

Strengths	Well qualified , Experienced, knowledgeable and cooperative faculty, great collaboration and good communication among faculty. Five faculty with Ph.D. qualification and average teaching experience 4 faculty is 25 years. Good computing facilities with well-established Labs with Hardware and software tools. ICT enabled, well-furnished class rooms. Active MOU's with Industries. Student centric Teaching Methodologies. Healthy Student Faculty Ratio Centre of Excellence in Industrial IoT. NBA Accredited BE program.
Weaknesses	Not many strong publications in quality peer reviewed journals Only few Consultancy activities. Inactive in funded R &D projects. Increase Lack of activities between faculty, students and Industry.
Opportunities	Making students Industry ready with skill based programmes. Develop collaborative grants proposals and projects among ECE faculty from various funding agencies like UGC/AICTE/DST/DOE etc. Develop interdisciplinary research / projects using the emerging technologies. Opportunities to find research grants from industry and government agencies. Increase engagement/external funding through newly established centre of excellence in IIOT. Encouraging the students for enrolling in MOOC/SWAYAM courses in the form of academic flexibility. Participation in projects expo in national level Outreach to increase the visibility of ECE department to local industry with the help of our strong alumni. Industry tie-ups and joint research.
Challenges	To attract better rank students. To deepen the knowledge and skills of the students on the basic concepts, theories and practical that will equip them in their professional work of the various applications in the field of ECE. Technology in the field of ECE is changing fast so the department has to update itself continuously. Attracting external funding for Research projects To nurture the entrepreneurship skills in Mechanical Engineering students To increase high quality industry jobs in core sector. Quality focus, result & goal orientation



Best Practice (S) / Innovations of the Department	Use of Innovative teaching learning methods Value added courses and skill development courses are imparted to students in addition to regular courses. Students have the provision to opt for department hosted Professional elective courses or equivalent NPTEL/MOOCs / FOSS courses.
Future Plans of the Department	The department will try to participate in major national programmes, which are industry institute related. Attempts will be made towards enhancing research funding from Industries / other funding agencies. To nurture innovators in technology. To empower students to pursue higher levels of graduation, leadership positions, and entrepreneurial endeavours. To improve consultancy services to the Industry on latest technologies.



**Overall observations and Recommendations of the committee**

The department is having good number of faculty with PhD ( 5 No.), among them 4 are at professor level, The Department has established Centre of Excellence in Industrial IoT , wherein 21 students have undergone internship. However, the Department needs an improvement in

- Compliance wrt NBA recommendation
- Immediate updating of personal files, Course files and mentoring books
- Number of Research publications published
- Number of Professional society activities conducted at regular interval
- Student activities/ participation
- Coordination between department and TPO and therefore an enormous improvement in placements

<b>Name of IAA</b>	<b>Signature with Date</b>
1. Dr S. Venkateshwar Dean (Examinations)	
2. Dr A Rajasekhar Dean (Academics)	
3. Dr Ravi M Yadahalli Dean (Quality Assurance & Accreditation)	



**INTERNAL ACADEMIC AUDIT FOR THE ACADEMIC YEAR 2022-23**

Name of the Department	Computer Science and Engineering
Date of Internal Academic Audit	5 <sup>th</sup> July 2023
Names of the Internal Auditors	1. Dr S Venkateshwar, Dean (Examinations) 2. Dr A Rajasekhar, Dean (Academics) 3. Dr Ravi M Yadahalli, Dean (Quality Assurance & Accreditation)



**INTERNAL ACDEMIC AUDIT FOR THE ACADMIC YEAR 2022-23**

**Observations by the IAAC:**

Criterion	Verification Comments Yes/ No	Suggestions for improvements	Remarks
<b>A. Department Profile</b>			
i. NBA Recommendations and Action Taken	Yes	---	<b>Satisfactory</b>
ii. Placement Records	Yes	---	<b>Satisfactory</b>
iii. Research Grants/ Consultancy Activities	Yes	---	Research Grants – 01 (Applied) <b>Not Satisfactory</b>
iv. Guest Lectures by experts/ Alumni	Yes	---	02 (Alumni), <b>Satisfactory</b>
v. Conferences/ FDPs/ Workshops/ Seminars organised (6 per year – Excellent, 4 per year – Good, 2 per year – Average)	Yes	---	Conferences – 01, FDP – 01, Workshops – 05, Seminars – 07, <b>Excellent</b>
vi. Professional Society Activities (3 per year – Excellent, 2 per year – Good, 1 per year – Average)	Yes	---	Under computer Society of India, 5 workshops organised benefiting 598 students, <b>Excellent</b>
vii. MoUs Signed (3 per year – Excellent 2 per year – Good, 1 per year – Average)	Yes	---	Under CSI, 1 Conference, 1 FDP, 5 Workshops and 7 Seminars organised, Under OUTB, ideathon organised, Under AI shala, 1 workshop and internships are organised <b>Excellent</b>
viii. Collaborations/ Interactions with industry/ Research Centers/ Educational Institutions	Yes	---	OUTB, CISCO and FOSS
ix. Newsletters/ Magazines (2 per year – Compulsory)	No	To be prepared at the earliest	No, <b>Not Satisfactory</b>
x. Faculty Attendance Registers	Yes	---	<b>Satisfactory</b>
xi. Student feedback forms collected from all students (At the end of semester), Students Feedback on Teaching Learning Process and ATR	Yes	To be prepared at the earliest	SFFs are available and ATR is yet to be initiated, <b>Satisfactory</b>



**INTERNAL ACDEMIC AUDIT FOR THE ACADMIC YEAR 2022-23**

Criterion	Verification Comments Yes/ No	Suggestions for improvements	Remarks
<b>B. Faculty Profile</b>			
i. List of faculty and their workload	Yes	---	<b>Satisfactory</b>
ii. Personal Files	No	To be prepared at the earliest	Available, but partially completed - Not Satisfactory
iii. Course Files (Including Laboratories)	No	To be prepared at the earliest	14 course files Available, CO feedback and attainment not completed CSE - (13 T + 8 L) x 2 sections AI&DS - (9 T + 6 L), <b>Not Satisfactory</b>
iv. Laboratory Manuals and Records	Yes	To be prepared at the earliest	Lab Manuals – Available, Lab Records – Available without CIE, <b>Satisfactory</b>
v. Students attendance registers	Yes	---	Available
vi. Mentoring Records	No	To be prepared at the earliest	Available (Partially updated) - <b>Not Satisfactory</b>
vii. Innovative work / Start Ups / Patents & Copyrights	Yes	---	Innovative work – Available, but not recorded, Patents – 3 (1 granted and 2 published), Copyrights – 1 <b>Satisfactory</b>
viii. Conferences/ Seminars / symposiums attended ( <b>1 per faculty</b> )	No	To be conducted at the earliest	Conference – 01 (Data Available, but no file available) <b>Not Satisfactory</b>
ix. Research Publications / Articles/ Books Published ( <b>1 per faculty</b> )	Yes	---	Research Publications – 26 (List not available) Books Published – 01, <b>Satisfactory</b>
ix. . FDP/ Training programs / Workshops attended ( <b>1 per faculty</b> )	Yes	---	FDP – 22 Faculty Members, Workshop – 12 Faculty Members, <b>Satisfactory</b>
x. Preparation of E-learning Materials / Content/ Monograms ( <b>1 per faculty</b> )	Yes	---	<b>Satisfactory</b>
xi. Acted as resource persons	Nil	---	<b>Not Satisfactory</b>
xii Ph.D. Registered/ awarded	Yes	---	Ph.D. Registered – 01, Ph.D Awarded – 02, <b>Satisfactory</b>





**INTERNAL ACDEMIC AUDIT FOR THE ACADMIC YEAR 2022-23**

Criterion	Verification Comments	Suggestions for improvements	Remarks				
<b>C. Student Profile</b>	<b>Yes/ No</b>						
i. Semester wise roll list	Yes	---	<b>Satisfactory</b>				
ii. Projects / Mini Project Reports	Yes	---	Projects – Data is Available, but without attainment <b>Satisfactory</b>				
iii. Internships	Yes	---	Assignment not corrected				
iv. Conferences/ Workshops/ Seminars/ Webinars attended	Yes	---	Conference – 14 Students ( File not ready), Workshops – 5 Students, Seminar – 1 Student (Data available), <b>Satisfactory</b>				
v. Study Tours/ Industrial Visits / Field Visit / Case Studies/ Training Programs etc Attended	Yes	---	Study Tour -1(5 Students) <b>Satisfactory</b>				
vi. Students involvement in extra-curricular / Co-curricular activities	No	To be prepared at the earliest	<b>Not Satisfactory</b>				
<b>Criterion</b>	<b>Verification Comments</b>	<b>Suggestions for improvements</b>	<b>Remarks</b>				
<b>D. Examinations</b>	<b>Yes/ No</b>						
i. Mid Question Papers	Yes	---	<b>Satisfactory</b>				
ii. Mid Answer Scripts	No	To be prepared at the earliest	Not Available in Dept, but with colleagues <b>Not Satisfactory</b>				
iii. Assignments	Yes	To be evaluated at the earliest	Available, but not evaluated <b>Not Satisfactory</b>				
iv. Laboratory Records with CIE	Yes	To be prepared at the earliest	Available without CIE				
v. Result Analysis (Course / Faculty wise)	Yes	---	<b>CSE</b>			<b>AI &amp; DS</b>	
			<b>III</b>	78	66	47	46
			<b>V</b>	26	32	44	---
			<b>VII</b>	92	81	---	---



**INTERNAL ACADEMIC AUDIT FOR THE ACADEMIC YEAR 2022-23**

**Please comment on SWOC Analysis:**

Strengths	<p><b>Strong Emphasis on Knowledge and Innovation:</b> The department’s vision places a strong emphasis on knowledge and innovation in Computer Science and Engineering education. This focus allows to attract students and faculty members who are passionate about pushing the boundaries of knowledge and making advancements in the field.</p> <p><b>Flexibility in Programs of Study:</b> The mission highlights the department’s commitment to offering flexible programs of study. This strength enables students to customize their educational experience and align their studies with their career goals and industry needs.</p> <p><b>Emphasis on Quality Education and Training:</b> The department’s mission prioritizes providing quality education and training. This commitment ensures that students receive a high standard of education, preparing them for successful careers in the field.</p> <p><b>Novel Pedagogical Practices:</b> The mission states the department’s dedication to employing novel pedagogical practices. This strength allows them to explore innovative teaching methods that engage students, promote active learning, and enhance their overall educational experience.</p> <p><b>Focus on Teaching, Research, and Innovations:</b> The mission aims to expedite high performance in teaching, research, and innovations. This focus ensures that the department cultivates a culture of excellence and encourages faculty and students to excel in their academic pursuits and contribute to cutting-edge research and innovation.</p>
Weaknesses	<p><b>Limited Collaborations with Industry:</b> While the department aims to offer programs with collaborations to suit industry needs, there may be a weakness in terms of the number and scope of existing collaborations. Expanding and strengthening partnerships with industry players can enhance the practicality of the programs and provide students with valuable industry exposure.</p> <p><b>Lack of Clear Implementation Strategy for Novel Pedagogical Practices:</b> While the mission highlights the use of novel pedagogical practices, a weakness may arise if the department does not have a clear implementation strategy. Ensuring that faculty members receive adequate training and support to effectively employ these practices can address this weakness.</p> <p><b>Insufficient Focus on Practical Skills:</b> The department’s vision and mission statements do not explicitly mention a focus on developing practical skills. This weakness may hinder graduates' ability to seamlessly transition into the workforce and meet industry demands. Incorporating practical training and industry projects into the curriculum can address this weakness.</p> <p><b>Inadequate Resources for Research and Innovation:</b> A weakness may arise if the department lacks sufficient resources, such as funding and research facilities, to support research and innovation activities. Addressing this weakness may require seeking external funding, fostering partnerships with research institutions, and upgrading research infrastructure.</p> <p><b>Limited Emphasis on Ethical Education:</b> While the mission mentions imparting moral and ethical valued education, the extent of emphasis and integration into the curriculum is not clearly stated. Strengthening the department’s approach to teaching ethics and social responsibility can address this weakness.</p>



**INTERNAL ACADEMIC AUDIT FOR THE ACADEMIC YEAR 2022-23**

Opportunities	<p><b>Growing Demand for Computer Science and Engineering Education:</b> The field of computer science and engineering is experiencing increasing demand globally. This presents an opportunity for the department to attract a larger pool of students and expand its reach.</p> <p><b>Collaborations with Industry Partners:</b> Establishing and strengthening collaborations with industry partners can provide opportunities for internships, guest lectures, and industry projects. These partnerships can enhance the practicality of the programs and increase students' employability.</p> <p><b>Technological Advancements:</b> The continuous evolution of technology provides an opportunity for the department to stay at the forefront of innovation. By incorporating emerging technologies into the curriculum and promoting research in cutting-edge areas, the department can prepare students for the demands of the future job market.</p> <p><b>Global Reach through Online Education:</b> Expanding the department's online education offerings can tap into a larger pool of prospective students and extend its global presence.</p> <p><b>Partnerships for Research Funding:</b> Collaborating with research institutions and industry partners can open doors for securing research funding. Taking advantage of grants and funding opportunities can support research activities, facilitate innovation, and enhance the department's reputation.</p>
Challenges	<p><b>Intense Competition:</b> The department operates in a competitive landscape with other institutions offering computer science and engineering education. Staying ahead of the competition and attracting top talent requires continuous improvement in curriculum, teaching methods, and student support services.</p> <p><b>Attracting and Retaining Quality Faculty:</b> Recruiting and retaining highly qualified faculty members can be a challenge, given the demand for skilled professionals in the field.</p> <p><b>Rapid Technological Advancements:</b> Regularly updating the curriculum, investing in faculty development, and maintaining up-to-date infrastructure are essential to address this challenge effectively.</p> <p><b>Balancing Industry Relevance and Academic Rigor:</b> Designing programs that are both academically rigorous and aligned with industry needs can be a challenge. Striking the right balance between theoretical foundations and practical skills development requires continuous collaboration with industry partners and regular curriculum reviews.</p> <p><b>Ethical and Social Responsibility.</b> Developing effective approaches to teaching ethics and social responsibility, and integrating them into the curriculum, requires careful planning and ongoing evaluation.</p>
Best Practice (S) / Innovations of	<ol style="list-style-type: none"><li>1. Curriculum Design: The department should regularly review and update the curriculum to ensure it is up-to-date with the latest industry trends and technological advancements. It should include a balance of theoretical foundations and practice skills.</li><li>2. Research and Innovation: Encourage faculty and students to engage in research activities, collaborate with industry partners and publish their work in reputed journals and conferences. Foster an environment that promotes innovation and the development of cutting-edge</li></ol>



**INTERNAL ACDEMIC AUDIT FOR THE ACADMIC YEAR 2022-23**

<p>the Department</p>	<p>technologies.</p> <ol style="list-style-type: none"><li>3. Industry Collaboration: Foster strong ties with industry partners by organsing guest lectures, workshops, and internships. Establish industry advisory boards to gain insights into industry needs and align the curriculum accordingly</li><li>4. Cutting-edge Labs and Resources: Provide state-of-art labs equipped with high-performance computing resources, specialized software tools and datasets for hands-on training and research. Ensure access to modern AI development platforms and frameworks.</li><li>5. Quality Teaching: Recruit and retain highly qualified faculty members who are passionate about teaching and have expertise in their respective fields. Encourage faculty to adopt innovative teaching methodologies and provide professional development opportunities</li><li>6. Continuous Learning and Skill Development: Encourage students to participate in workshops, seminars and competitions to enhance their technical skills and stay update with latste trends. Offer opportunities for lifelong learning through certification programs or continuing education course.</li><li>7. Student Support and Guidance: Establish mentoring programs and academic counseling services to support students’ academic and personal growth. Offer career guidance and placement assiatnce to help students make informed decisions and secure employment opportunities.</li></ol>
<p>Future Plans of the Department</p>	<ol style="list-style-type: none"><li>1. Research and Innovation: Promote a culture of research and innovation within the department. Encourage faculty and students to actively engage in research projects, secure research grants and publish their finding in reputable journals and conferences.</li><li>2. Entrepreneurship and startup Ecosystem: Develop programs and resources to support entrepreneurial initiatives among CSE students and faculty</li><li>3. Industry Partnerships: Strengthen collaborations with industry partners by establishing internship programs, joint research initiatives and guest lectures. Foster relationships with leading tech companies and startups to provide students with practical industry and potential job opportunities.</li><li>4. Mock Interviews and Workshops: Conduct regular mock interviews, aptitude tests, and coding challenges to prepare students for placement interviews, organise workshops on resume writing, interview techniques, and industry specific skills to enhance students confidence and readiness for the recruitment process</li><li>5. Alumni Placement support: Engage with alumni who have secured successful careers in the industry and seek their assistance in connecting current students with job opportunities, Establish an alumni referral program that incentivizes alumni to refer job openings or provide mentorship to students</li></ol>



**INTERNAL ACADEMIC AUDIT FOR THE ACADEMIC YEAR 2022-23**

**Overall observations and Recommendations of the committee**

CSE is the only Department to prepare Action taken report on NBA recommendations. Relatively, the department is having good number of research publications, co-curricular activities, professional activities, good number of active MoUs.

However, the Department needs an improvement in

- Immediate updating of personal files, Course files and mentoring books
- Number of Research grants
- Immediate publication Newsletters/ Magazines
- Students involvement in extra-curricular / Co-curricular activities
- Coordination between department and TPO and therefore an enormous improvement in placements

<b>Name of IAA</b>	<b>Signature with Date</b>
1. Dr S. Venkateshwar Dean (Examinations)	
2. Dr A Rajasekhar Dean (Academics)	
3. Dr Ravi M Yadahalli Dean (Quality Assurance & Accreditation)	

**INTERNAL ACDEMIC AUDIT FOR THE ACADMIC YEAR 2022-23**

Name of the Department	Humanities & Sciences
Date of Internal Academic Audit	6 <sup>th</sup> July 2023
Names of the Internal Auditors	1. Dr S Venkateshwar, Dean (Examinations) 2. Dr A Rajasekhar, Dean (Academics) 3. Dr Ravi M Yadahalli, Dean (Quality Assurance & Accreditation)

**Observations by the IAAC:**

<b>Criterion</b>	<b>Verification Comments Yes/ No</b>	<b>Suggestions for improvements</b>	<b>Remarks</b>
<b>A. Department Profile</b>			
i. NBA Recommendations and Action Taken	Not Applicable	---	---
ii. Placement Records	Not Applicable	---	---
iii. Research Grants/ Consultancy Activities	Yes	---	Research Grants – 05 Applied – <b>Satisfactory</b> , Consultancy – Nil <b>Not Satisfactory</b>
iv. Guest Lectures by experts/ Alumni** <b>6 per year – Excellent, 4 per year – Good 2 per year - Average</b>	Yes	To be completed at the earliest	1, partial data, <b>Poor</b>
v. Conferences/ FDPs/ Workshops/ Seminars organised ( <b>6 per year – Excellent, 4 per year – Good, 2 per year – Average</b> )	Yes	To be conducted at the earliest	Webinar -1 (Partial data) <b>Poor</b>
vi. Professional Society Activities ( <b>3 per year – Excellent, 2 per year – Good, 1 per year – Average</b> )	No	To be completed at the earliest	Nil, <b>Poor</b>
vii. MoUs Signed ( <b>3 per year – Excellent, 2 per year – Good, 1 per year – Average</b> )	No	---	Nil, <b>Poor</b>
viii. Collaborations/ Interactions with industry/ Research Centers/ Educational Institutions	No	---	<b>Not Satisfactory</b>
ix. Newsletters/ Magazines <b>2 per year – Compulsory</b>	Nil	To be completed at the earliest	<b>Not Satisfactory</b>
x. Faculty Attendance Registers	Yes	---	<b>Satisfactory</b>
xi. Student feedback forms collected from all students (At SE), on TLP and ATR	Yes	---	<b>Satisfactory</b>

**INTERNAL ACDEMIC AUDIT FOR THE ACADMIC YEAR 2022-23**

<b>Criterion</b>	<b>Verification Comments Yes/ No</b>	<b>Suggestions for improvements</b>	<b>Remarks</b>
<b>B. Faculty Profile</b>			
i. List of faculty and their workload	Yes	To be completed at the earliest	but 2 are not allotted any workload
ii. Personal Files	No	To be completed at the earliest	1 out of 20 available <b>Not satisfactory</b>
iii. Course Files (Including Laboratories)	Yes	To be completed at the earliest	10T / 14 T and 3L/ 3L available <b>Satisfactory</b>
iv. Laboratory Manuals and Records	Yes	---	<b>Satisfactory</b>
v. Students attendance registers	Yes	---	<b>Satisfactory</b>
vi. Mentoring Records	No	To be completed at the earliest	<b>Not Satisfactory</b>
vii. Innovative work / Start Ups / Patents & Copyrights	Yes	---	Patents - 01 granted <b>Satisfactory</b>
viii. Conferences/ Seminars / symposiums attended ( <b>1 per faculty</b> )	Yes	---	Conferences - 12 <b>Satisfactory</b>
ix. Research Publications / Articles/ Books Published ( <b>1 per faculty</b> )	Yes	---	RP -09 Journals + 06 conference, Books – 02, Book Chapters -01 <b>Satisfactory</b>
ix. . FDP/ Training programs / Workshops attended ( <b>1 per faculty</b> )	Yes	---	FDP – 08, Workshops – 07 No proof is available <b>Satisfactory</b>
x. Preparation of E-learning Materials / Content/ Monograms ( <b>1 per faculty</b> )	No	To be completed at the earliest	Data Available, no file <b>Not Satisfactory</b>
xi. Acted as resource persons	Yes		02, <b>Satisfactory</b>
xii Ph.D. Registered/ awarded	Yes	---	Ph.D. awarded - 01



**INTERNAL ACDEMIC AUDIT FOR THE ACADMIC YEAR 2022-23**

<b>Criterion</b>	<b>Verification Comments Yes/ No</b>	<b>Suggestions for improvements</b>	<b>Remarks</b>
<b>C. Student Profile</b>			
i. Semester wise roll list	Yes	---	<b>Satisfactory</b>
ii. Projects / Mini Project Reports	Not applicable	---	---
iii. Internships	Not applicable	---	---
iv. Conferences/ Workshops/ Seminars/ Webinars attended	Yes	To be completed at the earliest	Seminar -02 (data is not available for 1 seminar)
v. Study Tours/ Industrial Visits / Field Visit / Case Studies/ Training Programs etc Attended	No	To be completed at the earliest	<b>Not Satisfactory</b>
vi. Students involvement in extra-curricular / Co-curricular activities	No	To be completed at the earliest	<b>Not Satisfactory</b>
<b>Criterion</b>	<b>Verification Comments Yes/ No</b>	<b>Suggestions for improvements</b>	<b>Remarks</b>
<b>D. Examinations</b>			
i. Mid Question Papers	Yes	---	<b>Satisfactory</b>
ii. Mid Answer Scripts	Yes	To be completed at the earliest	Quiz marks to be updated <b>Satisfactory</b>
iii. Assignments	Yes	---	<b>Satisfactory</b>
iv. Laboratory Records with CIE	Yes	---	<b>Satisfactory</b>
v. Result Analysis (Course / Faculty wise)	Yes	To be improved at the earliest	1 <sup>st</sup> Semester CE - 14%, ME -22 % EEE – 58%, ECE – 52% CSE - 42%, AI&DS – 41% <b>Not Satisfactory</b>





**INTERNAL ACDEMIC AUDIT FOR THE ACADMIC YEAR 2022-23**

**Please comment on SWOC Analysis:**

Strengths	Active Research work is carried in the department with good no of publications, books, book chapters and patents Compatibility within the staff
Weaknesses	No Professional Society Activities and MOU's
Opportunities	Wish to have collaboration with other department for research work
Challenges	To get projects from government and private sectors
Best Practice (S) / Innovations of the Department	Online Notes we are providing through whatsapp Active Research Work Video Lectures Using Quizzalize/ Testmoz app are used for better interaction with the students
Future Plans of the Department	To make the department stronger for getting better results To create Moodle for basic Sciences Subjects Virtual labs Online quizzes and Mind Map Lectures



**INTERNAL ACDEMIC AUDIT FOR THE ACADMIC YEAR 2022-23**

**Overall observations and Recommendations of the committee**

The department is having good number of research publications, has excellent maintenance of lab record with CIE. However, the Department needs an improvement in

- Immediate updation of personal files, Course files and mentoring books
- Workload distribution
- Student activities/ participation in co curricular activities
- Guest Lectures
- Conferences/ FDPs/ Workshops/ Seminars organised
- Number of MoUs
- Newsletters / Magzines
- Preparation of E- Learning Materials etc

Also, the Department has to have Professional society membership and conduct activities at regular interval

<b>Name</b>	<b>Signature with Date</b>
1. Dr S. Venkateshwar Dean (Examinations)	
2. Dr A Rajasekhar Dean (Academics)	
3. Dr Ravi M Yadahalli Dean (Quality Assurance & Accreditation)	

**INTERNAL ACDEMIC AUDIT FOR THE ACADMIC YEAR 2022-23**

Name of the Department	Business Management
Date of Internal Academic Audit	5 <sup>th</sup> July 2023
Names of the Internal Auditors	1. Dr S Venkateshwar, Dean (Examinations) 2. Dr A Rajasekhar, Dean (Academics) 3. Dr Ravi M Yadahalli, Dean (Quality Assurance & Accreditation)

**Observations by the IAAC:**

<b>Criterion</b>	<b>Verification Comments Yes/ No</b>	<b>Suggestions for improvements</b>	<b>Remarks</b>
<b>A. Department Profile</b>			
i. NBA Recommendations and Action Taken	Not Applicable	---	---
ii. Placement Records	Yes	---	1 student, but not updated AY 22-23 data, <b>Not Satisfactory</b>
iii. Research Grants/ Consultancy Activities	NIL	Need to have at the earliest	<b>Not Satisfactory</b>
iv. Guest Lectures by experts/ Alumni ( <b>6 per year – Excellent, 4 per year – Good, 2 per year – Average</b> )	Yes	---	01 (Partially completed), <b>Poor</b>
v. Conferences/ FDPs/ Workshops/ Seminars organised ( <b>6 per year – Excellent, 4 per year – Good, 2 per year – Average</b> )	NIL	To be conducted at the earliest	<b>Poor</b>
vi. Professional Society Activities ( <b>3 per year – Excellent, 2 per year – Good, 1 per year – Average</b> )	NIL	To be conducted at the earliest	No professional society <b>Not Satisfactory</b>
vii. MoUs Signed ( <b>3 per year – Excellent 2 per year – Good, 1 per year – Average</b> )	No	Need to have MoUs and conduct the activities at the earliest	<b>Not Satisfactory</b>
viii. Collaborations/ Interactions with industry/ Research Centers/ Educational Institutions	No	Need to have collaboration at the earliest	<b>Not Satisfactory</b>
ix. Newsletters/ Magazines ( <b>2 per year – Compulsory</b> )	No	Need to publish at the earliest	<b>Not Satisfactory</b>
x. Faculty Attendance Registers	Yes	---	<b>Satisfactory</b>
xi. Student feedback forms collected from all students (At the end of semester), Students Feedback on Teaching Learning Process and Action taken report	No	SFF to be collected and need to prepare ATR at the earliest	<b>Not Satisfactory</b>



<b>Criterion</b>	<b>Verification Comments Yes/ No</b>	<b>Suggestions for improvements</b>	<b>Remarks</b>
<b>B. Faculty Profile</b>			
i. List of faculty and their workload	Yes	---	<b>Satisfactory</b>
ii. Personal Files	Yes	---	Available, <b>Not Satisfactory</b>
iii. Course Files (Including Laboratories)	No		<b>Not Satisfactory</b>
iv. Laboratory Manuals and Records	Not Applicable	---	---
v. Students attendance registers	No	To be prepared at the earliest	<b>Not satisfactory</b>
vi. Mentoring Records	No	To be prepared at the earliest	Mentors allotted, but no mentoring record are available, <b>Not Satisfactory</b>
vii. Innovative work / Start Ups / Patents & Copyrights	No	Need to have them at the earliest	<b>Not satisfactory</b>
viii. Conferences/ Seminars / symposiums attended <b>(1 per faculty)</b>	No	Conduct theses activities on regular basis	<b>Not satisfactory</b>
ix. Research Publications / Articles/ Books Published <b>(1 per faculty)</b>	No	The Department has to discuss and publish either RP / Articles/ Books on regular basis	<b>Not satisfactory</b>
ix. . FDP/ Training programs / Workshops attended <b>(1 per faculty)</b>	Yes	---	FDP – 2 faculty members
x. Preparation of E-learning Materials / Content/ Monograms <b>(1 per faculty)</b>	No	To be prepared at the earliest	<b>Not satisfactory</b>
xi. Acted as resource persons	No	---	<b>Not satisfactory</b>
xii Ph.D. Registered/ awarded	No	---	---



<b>Criterion</b>	<b>Verification Comments Yes/ No</b>	<b>Suggestions for improvements</b>	<b>Remarks</b>
<b>C. Student Profile</b>			
i. Semester wise roll list	Yes	---	<b>Satisfactory</b>
ii. Projects / Mini Project Reports	Yes	---	but file is not updated, <b>Satisfactory</b>
iii. Internships	Not Applicable	---	---
iv. Conferences/ Workshops/ Seminars/ Webinars attended	Yes	---	Seminar – 01 (41 students participated) <b>Satisfactory</b>
v. Study Tours/ Industrial Visits / Field Visit / Case Studies/ Training Programs etc Attended	Yes	---	Industrial visits -3, <b>Satisfactory</b> Case Study – Data is available, but file is not ready- <b>Not satisfactory</b>
vi. Students involvement in extra-curricular / Co-curricular activities	Yes	---	Aikyam – 60 students Plus 22 students
<b>Criterion</b>	<b>Verification Comments Yes/ No</b>	<b>Suggestions for improvements</b>	<b>Remarks</b>
<b>D. Examinations</b>			
i. Mid Question Papers	Yes	---	<b>Satisfactory</b>
ii. Mid Answer Scripts	Yes	---	<b>Satisfactory</b>
iii. Assignments	Yes	To be evaluated at the earliest	Available, but not evaluated, <b>Satisfactory</b>
iv. Laboratory Records with CIE	Not Applicable	---	----
v. Result Analysis (Course / Faculty wise)	Yes	---	1 <sup>st</sup> Semester – 75% 3 <sup>rd</sup> Semester – 92% <b>Satisfactory</b>



**Please comment on SWOC Analysis:**

Strengths	<ul style="list-style-type: none"> <li>❖ Well qualified and Experienced faculty members</li> <li>❖ Consistent in Cent percent results</li> <li>❖ Modern learning techniques implemented such as Mind Mapping, Cash Study methods &amp; Presentations.</li> <li>❖ Focus on Management activities for the holistic development of the students.</li> <li>❖ Initiation of various Activity Clubs such as Creative Writing, Photography, Cooking &amp; Corporate Social Responsibility</li> <li>❖ Encouragement for Start-up projects through Entrepreneurship Development Cell. (EDC)</li> <li>❖ Enhancing Practical Knowledge by conducting Industry visits.</li> </ul>
Weaknesses	<ul style="list-style-type: none"> <li>❖ Infrastructure facilities –               <ul style="list-style-type: none"> <li>○ Lack of Proper Classrooms</li> <li>○ Lack of Modern Teaching Aids to the Faculty</li> <li>○ Lack of access to online facilities for research and project work for the students</li> </ul> </li> <li>❖ Placements – Less focus on MBA students</li> <li>❖ Low level of engagement between Alumni &amp; students</li> </ul>
Opportunities	<ul style="list-style-type: none"> <li>❖ Improving the visibility of the department through collaborations and internships</li> <li>❖ Skills upgradation as per industry requirements to be initiated</li> <li>❖ Focus on Industry Interaction programs can help the students to take-up live-projects</li> <li>❖ Enhancement in Intake of the Students.</li> </ul>
Challenges	<ul style="list-style-type: none"> <li>❖ Comparison with top Management Colleges and B Schools (as per high expectations of students)</li> <li>❖ Difficulty in Practical Teaching methodology with available resources</li> <li>❖ Dealing with Working Professionals.</li> </ul>
Best Practice (S) / Innovations of the Department	<ul style="list-style-type: none"> <li>❖ Focus on skill sets – soft skills as well as managerial skills by conducting weekly activities.</li> <li>❖ Aikyam an Event on Unity in Diversity.</li> </ul>
Future Plans of the Department	<ol style="list-style-type: none"> <li>1. To Organize Inter college Fest</li> <li>2. Launch of Department News Letter</li> <li>3. Pre placement training programs in accordance with industry requirements will be initiated.</li> <li>4. Develop Essential Leadership and Management Skills through Industry Interaction.</li> <li>5. Visit to National Institute of Rural Development to encourage entrepreneurship</li> </ol>



**Overall observations and Recommendations of the committee**

The academic performance of the Department is satisfactory; Department conducts good number of Industry visits (3 NO.). However, the Department needs an improvement in

- Immediate updation of Course files and mentoring books
- Number of Research publications
- Student activities/ co-curricular activities
- Student /Faculty development programs for other Departments
- Collaboration/ MoUs with industries/ Educational institutions
- Student Admission
- Visibility of the Department

Also, the Department of Business Management is poor in documentation and lack of knowledge in filing, needs to have Professional society in its domain and conduct the student activities at regular interval.

<b>Name</b>	<b>Signature with Date</b>
1. Dr S. Venkateshwar Dean (Examinations)	
2. Dr A Rajasekhar Dean (Academics)	
3. Dr Ravi M Yadahalli Dean (Quality Assurance & Accreditation)	

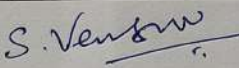
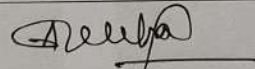
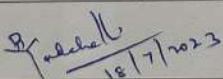


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2. Dr A Rajasekhar Dean (Academics)	
3. Dr Ravi M Yadahalli Dean (Quality Assurance & Accreditation)	 18/7/2023