



**ACADEMIC AUDIT**  
**Evaluation Sheet**  
(With effect from 2020-21)

School Name : School of Engineering

Department Name : Electronics and Instrumentation Engineering

Programme Name : B.Tech.

Academic Year : 2024-25

**Annual department plan** (enclose a separate sheet along with the previous 3 years planned & achieved data)

**I. POs, PSOs and Curriculum**

S. No	Criteria	Observations
1.	POs & PSOs attainment along with sample calculation sheet	Data is available in PO and PSO attainment file.
2.	Stakeholders feedback collected, analyzed & action taken related to curriculum design (with evidences)	Student exit feedback collected and their suggestions were recorded and considered in VR 23 and SU 24 curriculum.
3.	Extent of stakeholders satisfaction with curriculum revision	The Stakeholders suggestions were discussed in BOS meeting and considered in VR 23 and VR24 Curriculum revision.
4.	-New courses introduced -Courses upgraded with more than 25% of course content	No. of New courses introduced: 10 (VR 20) & 2 (VR23) VR -20: 34.15% courses revised. VR-23: 10 % courses revised. (up to 6th Semester) SU24: New curriculum for University.
5.	Lab component - New labs added - No. of new experiments introduced - New Hardware / Software developed	R&D Lab: Rs. 2,46,357.00 -- Laboratory Equipment: Rs.33,23,287.00
6.	No. & % of courses focusing on employability/ entrepreneurship/ skill development.	VR-20, VR-23 and SU24: Skill-65%, Employability-30% & Entrepreneurship-5%
7.	No. of students undertaken -full time field projects: -full time internships:	No. of Field projects: 03

## II. Faculty information and their contribution

S.No	Criterion	Observations
1.	Teacher- student ratio	No. of faculty: 24, Total no. of students: 396
2.	Faculty Cadre ratio	Teacher student Ratio: 16
3	Faculty experience & retention	Professors: 01 Associate Professors: 03
4.	Faculty qualifications: Percentage of existing faculty with PhD Faculty awarded with PhD: Faculty submitted their PhD: Faculty pursuing PhD: Faculty registered for PhD:	Total Ph.D. Faculty: 12 Faculty awarded with Ph.D.: 01 Faculty submitted their Ph.D.: 03 Faculty pursuing Ph.D.: 05 Faculty registered for Ph.D.: Nil
5.	Faculty with Post-Doctoral Fellowship or Pursuing it:	Nil
6	Faculty guiding /guided PhDs:	Faculty guiding Ph.Ds: 01 No. of research scholars: 05
7.	Percentage of faculty contributing in ... .....research publications: .....books: .....chapters:	Faculty contribution in research publications: $23/24 = 95.83\%$ Faculty contribution in book publications: $02/24=8.33\%$
8.	e-Content development / Lectures added to Web-resources	All the faculty members are added lecture notes in LMS.
9.	Faculty <b>contribution</b> in professional organizations/ Reviewer / Editorial boards: ( <i>not mere memberships</i> )	Reviewers:02 (Dr.P.Srinivas & Dr.A.Sumalatha)
10.	Academic Awards/Rewards received:	Nil
11.	Faculty contribution in Industry / Institute collaborative projects	No of Industry Collaborative Projects: 02 (Dr.P.Srinivas & Mr. V.NagaPrudhvi Raj)
12.	Faculty trained in Industry	Nil
13	Faculty contribution in obtaining internships/ Placements/ MoUs	Collective Information available in MOUs File.
14	Faculty as resource persons in webinars/ workshops / key note speaker / training activities	Nil
15	National level events organized -Conferences: -Workshops/ Seminars: - Webinars - FDPs: International level events organized - Conferences - Webinars -Workshops/Seminars	<b>National Level:</b> Conferences: Nil Workshops/ Seminars: 01 Webinars: Nil FDPs: 02 Training Program:01 Guest Lectures:06 Dept. Events: 03 Out Reach Programs: 4 Non-Technical Events: 05

16	List of conferences/seminars/ webinars/ workshops/FDPs attended for the enrichment of teaching - learning process	No. of FDPs attended by faculty: 72 No. of workshops attended by faculty: 04 No. of seminars/webinars attended by faculty: 04 Training Programs /MOOCs by faculty: 04
17	Faculty interaction with outside world (BOS/NBA/Examiner for PhD evaluation / selection committee / Academic auditing / Chairperson /Chief guest /etc.)	Dr. G.N.Swamy is a BOS member in Bapatla Engineering College.

### III. Teaching-Learning Process and Evaluation

S. No	Criterion	Observations
1.	Student performance indices Measures to reduce detentions -Attendance (detentions if any): -Exams (detentions if any):	Total no. of students detained on shortage of attendance is 02. Detention Percentage due to shortage of attendance is $02/124 = 1.61\%$
2.	Mechanism and activities for slow learners: Outcome:	Counselling Mechanism is done properly for the slow learners from Assignment –I examination onwards.
3	Mechanism and activities for Fast learners to excel: Outcome:	Fast leaners are encouraged to opt CBCS subject.
4	Bridge courses: Value added courses:	Value Added Courses: 01
5	Quality circles and Practice: Outcome:	Nil
6.	Student counseling /mentoring mechanism	Counselling is done as per the guidelines of HOD and Program Coordinator. Counselling Records are periodically verified by Program Coordinator and HOD.
7.	Initiatives taken for innovative mini and major projects -Training for students & faculty	The department of EIE has organized few Guest Lectures and Seminars in edge technologies for the students.
8.	Best student projects with awards	No. of best student projects: 03 Data available in Student Project File.
9	Student Model developments: Awards:	11 technical models were developed by the students.
10	Student Innovation details: Awards:	49 papers were published by the students in the A.Y: 2024-25.
11	Student Publications (other than IV.1) -UG: -PG:	49 (UG –Publications)

12	<p>Monitoring of teaching-learning process</p> <ul style="list-style-type: none"> <li>-- Mechanism for Assessment of teaching process inclassrooms.</li> <li>-- Random verification of evaluated answer papers and question paper during the semester.</li> <li>-- Innovative teaching methods presented, if any</li> <li>-- Verification of course files</li> </ul>	<p>Data is prepared by P.Srinivas, Program Coordinator, EIE Dept.</p> <p><b>Assessment:</b> External results, Student feedback, COs and POs attainment and course end survey.</p> <p><b>Random Verification of Answer Scripts:</b> Verified by HOD and Program Coordinator.</p> <p><b>Innovative teaching methods:</b> PPTs with own annotations, Topics related to NPTEL videos and model usage.</p> <p><b>Verification of Course Files:</b> Verified by HOD and Program Coordinator.</p>
13	Student enrolment in CBCS	56 students were enrolled for CBCS courses for the academic year 2024-25.
14	EPICS (Engineering projects in community service) Projects: Awards:	No. of Project batches: 32 Awards: 06 best projects among all projects.
15	Activities of students in professional bodies: Awards in co-curricular activities:	Total no. of Events conducted under ISOI: 09 Total no. of students participated: 320 No. of students won prizes: 11
16	Training programs / Seminars/ workshops organized for students:	Workshops: 02 National Seminar: 01 Guest Lectures: 06
17.	Guest lecturers conducted for Students:	Guest Lectures: 06
18.	MoUs with Industries for Research / Consultancy/ internship / placements, etc.	Existing (Active) :...05..., Newly added...02....., Total:...07....
19.	Students feedback	Range of student feedback: above 4.0 Data is available in a separate file.
20.	Feedback follow-up action	No Follow-up action is required
21.	Scope for Self-learning: -Certificate courses -Online courses	Some of the relevant NPTEL courses are approved for EIE students. Details are available in separate file.
22.	<p>Cut-off rank (Admission): Cut-off rank Previous year:.....</p> <p>OC: BC: SC: ST: PH: Audited year: .....</p> <p>OC: BC: SC: ST: PH: Improvement / no change / decline</p> <p><i>Note: If there is <u>no improvement</u> it needs to discussed &amp; suitable measures are to be taken up.</i></p>	<p>The overall performance of the department in 2024-25 admissions is better compared to the cutoff ranks of the 2023-24 academic year.”</p>

**A.Y: 2023-24**  
 OC: 70724, BC: 111362, SC:139451, ST: Nil, PH: Nil.

**A.Y: 2024-25**

S.No	Branch	JEE		SEEE		APEAPCET		SPOT	
		Highest Percentile	Lowest Percentile	Highest Marks	Lowest Marks	Highest Rank	Lowest Rank	Highest Marks	Lowest Marks
01	EIE	90.54%	83.21%	44	25	48252	158085	962	7.1 CGPA

23	<b>Range of CGPA &amp; % of students</b> 10 -8 CGPA: 7 CGPA: 6 CGPA: 5 CGPA: No. & % of failures: Success rate as per NBA guidelines:	Consolidated results of 2021-25 batch: First Class with Distinction: 45 First Class: 48 Second Class: 16 Total No. of Students: 109 % of Pass: 109 /125= 87.2%
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<b>IV. Research, Consultancy and Extension</b>		
<b>S. No</b>	<b>Criterion</b>	<b>Observations</b>
1.	Faculty publications in journals: (other than III.11) Scopus indexed: SCI / SCIE (Not ESCI): Total: h-index: Dept & Highest in the faculty.	Scopus Indexed: 12 SCI/SCIE (Not ESCI): 08 UGC:03 Total: 23  h-index: 08
2.	Publications in conferences: - National (Scopus, SCI & equivalent) - International (Scopus, SCI equivalent) - Total:	<b>International:</b> Conference Publications: 50 (Scopus)
3.	Faculty contribution in: .....Books: .....Book chapters: (Books/Chapters with ISBN/ISSN only are considered)	Books: 01 Book Chapters: 03
4.	Paper Publications & Book chapters:	Q1.....0....., Q2...06 ....Q3...04....., Q4.....10.... ...others : 03 Total.....23.....
5.	Government: Funded R&D projects	Applied:...06, Total Amount: Rs.2,16,66,155 Ongoing:..... Total Amount:..... Completed:..... Total Amount:.....
6.	Non- Government: Funded R&D projects / Industry sponsored projects	Applied:...02....., Total mount:Rs.2,00,000. Ongoing:...02 Total Amount: Rs.2,00,000. Completed:..... Total Amount:.....
7.	Faculty involved in Consultancy & amount earned	Nil
8.	Faculty intellectual property rights / Patents:	Filed:...7.....Published...07....., Granted.....
9.	In-house R&D grants & projects and their outcomes	Nil
10.	New research facilities/ laboratory facilities added	Initiation on R&D Lab establishment is done.
11.	MOU's with industries/ R&D/ Premier Institutes Details of activities:	MOUs: Microsys Automation, Hyderabad Konstelec Automation Pvt Ltd., Outocme: 2 research projects
12.	Research centers of excellence established: Outcome in research centers:	--
13	Skill development centers established: outcome:	NI Academy and SIEMENS
14	Incubation centers: - Established with outside Industries : -Status of incubation:	Nil
15	Start-ups & Entrepreneurships: No of Start-ups & status: Awards from outside platforms:	Nil

## V. Infrastructure and Learning Resources

S. No	Criterion	Observations
1.	Addition of infrastructural facilities to improve the teaching learning process Class rooms / Laboratories /ICT class rooms / e- class rooms/ Seminar halls / Syndicate rooms /Innovation center:	Class Rooms: 06 Laboratories: 06 ICT class rooms/e-class rooms:01 Seminar halls: 01 Syndicate Rooms: Nil Faculty Rooms: 17
2.	Internet facilities for faculty & Students:	All the Faculty Rooms, Laboratories and Tutorial rooms are having internet facility.
3.	Technical manpower support added:	Total no. of technical staff: 04
4.	Modern / new equipment added in Laboratories:	Data is available in the corresponding lab stock registers.
5.	New research facility /Computing facilities / laboratory added:	Procured Laboratory Equipment: 33,23,287.00
6.	Dept. News letter / magazine:	Yes, EIE Dept. is having News Letter with 2 issues per year.
7.	Department library: New additionsText books / References / Journals	No. of new books are added for 2024-25 A.Y: Nil

## VI. Student information, Support and Progression

S. No	Criterion	Observations
1	Industrial visits	01 (KCP Sugars Pvt. Ltd., Vuyyuru)
2	Internships	160 Students are attended for internships
3	Dept. student clubs: Activities:	Dept. Student Club: ISOI- Student Chapter Activities organized: 09
4	Details of coaching provided for GATE/GRE/any other competitive exams	Career counselling and soft skill development has given for the students.
6	Students qualified in -GATE -GRE/etc.	GRE: 07 TOEFL: 01 IELTS: 07 PGECET: 01 Dulingo: 00 GATE Appeared: 31 GATE Qualified: 00
7	Students admitted for Higher studies (No & %):	No. of Students admitted for higher studies: 10 No. of students appeared for competitive exams: 31
8	Total Placements (No & %) in the Dept: 2 - 4 Lakhs (No.) 4 Lakhs above (No.): 5 Lakhs above (No.): Highest salary (No.): Median salary:	Total Placements (No & %) in the Dept: 63 students  = 82/125=65.6%  2 - 3 Lakhs (No.): 28 3-4 Lakhs (No.): 54 4-5 Lakhs above (No.): 18 5 Lakhs above (No.): 11 Highest salary (No.): 11 LPA Median salary: 4 LPA
9	Student prizes:	NSS/NCC...NII..Cultural.....NII....., Sports.....Nil.....  National Level, if any.....
10	Student Scholarships:	Siddhartha Academy of Higher Education is giving merit scholarships for the admitted students. Details are available at institute admin office.

## VII. Governance, Leadership and Management

S. No	Criterion	Observations
1	Setting of annual goals by individual faculty for their academic improvement.	HOD conducted several meetings and reviews regarding goals of individual faculty.
2	Setting of departmental annual goals by HOD for the improvement of dept.	Annual goals are fixed by the HOD based on the strategic plan 2020-25.
3	Teaching staff attended for skill development/ Industry training/ any professional development programs	The details are available in a separate file.

4	Non-teaching staff attended for skill development programs	Non-Teaching staff:04 The details are available in a separate file
5	Financial support received from the Management: Seed Grant for faculty: Incentive for Sponsored projects: Incentive for paper publications:	No. of Faculty received incentives for paper publications: 10
	Attending FDPs/ Seminars/ etc: Attending overseas seminars: Interaction with R & D personnel: Others:	Faculty can utilize research promotion policy given by the University. Details are available in corresponding file.
6	Financial support received from the Management: Student Projects: Model developments & exhibition: Student Innovations & exhibition:	Students are continuously encouraged for model exhibitions by the management. The details are available in a student participation file.
7	Quality policy & Quality objectives Committees & duties: Cells & duties:	Prepared by Program Coordinator and HOD available in separate file.
8	Maintenance -General -Laboratory -Others	Each laboratory is having a separate maintenance register.
9	Financial support/ leaves for qualification/ skill up- gradation:	University is providing financial support for workshops/journals/conferences.
10.	Risk evaluation/ safety measures:	No. of Fire extinguishers: Labs:05, Dept. of Office: 01 & Seminar Hall: 01

*P. Duggal*  
Dept. IQAC In-charge  
23/08/25

*P. Chennu*  
Academic Auditor  
(EXTERNAL)  
23/08/25

*G N*  
Head of the Dept.  
HEAD  
Dept. of Electronics & Instrumentation Engg  
A Siddhartha Engineering College  
VIJAYAWADA-520 087

*A. Rama Devi*  
23/08/25  
(Internal)

## Academic Audit Report (Consolidated)

1. **Name of Department.** Electronics and Instrumentation Engineering ...Year...2024-25...
2. **No. of full time permanent faculty:** ...24.....
3. **No. of Visiting/Adjunct faculty:** ...NI... / 01...
4. **No. of PG / UG courses:**.....Nil .../...B.Tech.....
5. **Curriculum Revisions Information:** UG & PG.....UG (For VR-20 batch and VR-23)  
Major changes.....VR-20(34.15%)andVR-23(10%)  
.....  
New courses...10 (VR-20) and 2(VR-23).....Modified courses (min 20-25% change)...34.15%  
Employable courses...30%..... SU24 – New Courses
6. **Research:** Ph.D. Theses submitted: ...04 awarded:...02.....  
Faculty guiding / guided Ph.Ds:.....05...../...01.....  
Publications in Jrs:  
SCI/SCIE...08...Scopus...12..UGC...03..Total...23..  
Publications in Conferences: SCI/SCIE... Nil...Scopus...50.....Total...50  
Student Publications  
-UG: SCI/SCIE: Nil...Scopus:...49.....WoS:...Nil. Others:.....Nil..Total: 49...  
-PG: SCI/SCIE: .....Scopus:.....WoS:.....Others:.....Total.....  
Dept H-index (Scopus data base):...08....Highest H-Index of faculty:...08.....  
Publications: Q1...00..., Q2...06., Q3.....04..., Q4...10...Other: 03 Total: .. 23.
7. **Sponsored projects:** Amount: Rs.2,16,66,155... Applied: .08., Ongoing...02....., completed...Nil.....
8. **Consultancy Amount earned:**.....Nil.....
9. **Start-ups & Entrepreneurship:** No.....Awards from outside platforms:.....
10. **Incubation centers:** established.....Nil..., Status of incubation:.....Nil.....
11. **Patents:** Filed: 07..Published:.....07.....Granted:.....Nil.....
12. **Innovations:** ...Nil..., Awards from outside platforms (reputed Institutions only) :.....
13. **Books / Book chapters** (with ISBN/ISSN only are considered):.....01/.....03 .....
14. **e-Content developed:** Lectures added to Web-resources: ...Nil....
15. **Placements:** No:...82....., Percentage:...65.6%..., Median salary:...4 LPA...., Highest salary:...11 LPA.....

16. **Higher Education:** GATE No...Nil., GRE No...7...., Others (specify): TOEFL:01, IELTS:07, PGEET:01

17. **New Equipment and Infrastructure** added: Laboratory Equipment & Rs.33,23,287.00

..... (Name & amount)

18. **Student feedback** on Curriculum, infrastructure and facilities: Yes or No : Yes

19. **Strengths:**

- (1) Good infrastructure and core job opportunities.
- (2) Faculty qualification and retention.

20. **Weaknesses** (mandatory field to fill) :

- (1) No Consultancy activities in the department.
- (2) Startups and Entrepreneurship activities are nil in the department.

21. **Suggestions for improvement** (mandatory field to fill):

- (1) Improve Research Project Engagement.
- (2) Encourage faculty and research scholars to target reputed *SCI/Scopus indexed journals* and high-impact conferences instead of low-tier publications.

18. Document addressing previous academic year weaknesses and suggestions for improvement.

Enclosed: **Yes / No.** If 'yes' enclose an appropriate document. If "No" furnish proper explanation.

YES

*P. Sugunan* 23/08/25

Dept. IQAC In-charge

*P. Sugunan* 23/08/25

Academic Auditor  
(EXTERNAL)

*C. N. S.*

Head of the Dept.

**HEAD**

*A. Rama Devi* 23/08/25  
Dr. Siddhartha Engineering College  
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IQAC Coordinator..... Dean IQAC: .....



**SIDDHARTHA**  
ACADEMY OF HIGHER EDUCATION  
**An Institution DEEMED TO BE UNIVERSITY**  
(Under Section 3 of UGC Act, 1956)  
(Sponsored by Siddhartha Academy of General & Technical Education, Vijayawada, A.P.)

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## **Department of Electronics and Instrumentation Engineering**

### **MINUTES OF THE MEETING OF ACADEMIC AUDIT 2024-25 A.Y**

**Minutes of the Meeting of IQAC Academic Audit held on Saturday, 23<sup>rd</sup> August, 2025 at 10.00am.**

The Meeting of the IQAC Auditing Committee of Dept. of EIE, Siddhartha Academy of Higher Education, A Deemed to be University, was held on Saturday, 23<sup>rd</sup> August 2025 at 1:00 pm in EIE Department.

The following comments/suggestions made by the external auditor.

#### **Suggestions for improvement**

- (1) Improve Research Project Engagement.
- (2) Encourage faculty and research scholars to target reputed SCI/Scopus indexed journals and high- impact conferences instead of low-tier publications.

#### **Additional Comments**

1. Internship opportunities and industry collaborations need to be increased.
2. Soft skills and communication skill development sessions should be conducted regularly.
3. More MoUs with industries and research organizations may be pursued.
4. Student participation in hackathons, technical competitions, and innovation contests should be promoted.
5. Alumni interaction programs may be arranged to guide students in career opportunities.

The following Members were present.

1. Dr.P.Kishore Kumar – Assistant Professor, ECE Dept., NIT AP, Tadepalligudem.
2. Dr. A.Ramadevi –Professor, EEE Dept., SAHE, A Deemed to be University
3. Dr.G.N.Swamy, HOD,EIE Dept.,& Dean Admissions., SAHE, A Deemed to be University
4. Dr.M.Srinivas, Assistant HOD, EIE Dept., SAHE, A Deemed to be University
5. Dr.P.Srinivas, Associate Professor, EIE Dept., SAHE, A Deemed to be University
6. Dr.C.S.S.Anupama, Associate Professor, EIE Dept., SAHE, A Deemed to be University
7. Mr. V.Naga Prudhvi Raj, Associate Professor, EIE Dept., SAHE, A Deemed to be University
8. Dr. P.Durgaprasadarao , IQAC Dept. Coordinator, EIE Dept., VRSEC

*P. Kishore Kumar*  
23/08/2025

(EXT. AUDITOR): **Dr.P.Kishore Kumar**  
Assistant Professor, Dept. of ECE  
NIT, AP, Tadepalligudem.

*A. Ramadevi* 23/8/25  
(INT. AUDITOR): **Dr.A.Ramadevi**  
Prof., EEE Dept., SAHE, A Deemed to be University

*P. Durgaprasadarao* 23/8/25  
IQAC Dept. Co-ordinator.

*G.N.S.*  
Dr.G.N.Swamy,  
HOD, EIE

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