



# BVC INSTITUTE OF TECHNOLOGY AND SCIENCE (A)

(Accredited by NAAC with 'A' Grade)

## ACADEMIC AUDIT

(For the Academic Session 2023-24)

### PART – I: PRELIMINARY INFORMATION

1. Name of the Department: EEE
2. Address of the Institute: BATLAPALEM, AMALAPURAM, INDUPALLI POST, 533221
3. Date and Time of Visit: 15/06/2024
4. Members of the Audit Committee:
  - (i) Dr. M. Gopichand Nayak, Professor, EEE, Andhra University, Vizag.
  - (ii) Dr. K. Lokesh Reddy, Professor, EEE, C.V.R College of Engineering, Hyderabad.

DEPARTMENT: EEE

### PART –II: ACADEMIC INFORMATION

S. No.	Particular	Remarks/Suggestions														
1.	<b>Curricular Aspects</b> (a) Courses Offered <table border="1"><thead><tr><th>Name of the course</th><th>Intake</th></tr></thead><tbody><tr><td>B. Tech.</td><td>60</td></tr></tbody></table> (b) Semester wise Curricular Plan: ✓ <u>Available/Not available</u> (c) Coverage of Syllabus: <u>100%</u>  <b>Faculty Status: Total Faculty:</b> (a) Teacher : Student Ratio: <u>1:13.28</u>  (b) How many of the faculty members possess degrees of (i) Ph. D.: <b>02</b>  (ii) Ph.D.(Pursuing): <b>04</b>  (ii) M.Tech.: <b>08</b>  (c) Teaching Experience of the Faculty in the Institute: <table border="1"><thead><tr><th>Tenure</th><th>No. of Faculty</th></tr></thead><tbody><tr><td>More than 8 Years</td><td><b>09</b></td></tr><tr><td>Between 6 to 7 Years</td><td><b>02</b></td></tr><tr><td>Between 2 to 3 Years</td><td><b>03</b></td></tr><tr><td>Below 1 Year</td><td><b>00</b></td></tr></tbody></table>	Name of the course	Intake	B. Tech.	60	Tenure	No. of Faculty	More than 8 Years	<b>09</b>	Between 6 to 7 Years	<b>02</b>	Between 2 to 3 Years	<b>03</b>	Below 1 Year	<b>00</b>	* Experienced faculty may apply for higher studies (Ph. D) [Because of department have more No. of experienced faculty].
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2.																

3.	<b>Teaching – Learning:</b> (a) Availability of Course Files: <b>Yes</b> (b) Student Assignments : <b>Yes</b> (c) Tutorial classes: <b>Yes ,conducted</b> (d) Remedial Coaching : <b>Yes</b> (e) Student Centric Activities: . ❖ Quizzes / workshops / competitions conducted: <b>Yes</b> (f) Use of supplementary teaching tools and application of ICT :	Course files can be made in soft copies and it should be uploaded in the ERP so that administrators can monitor at any time. * Departments can arrange for workshops on innovative tools in teaching learning.
4.	<b>BOS:</b> (a) Approval Details: Are the details and dates of the BoS meetings where the curriculum was approved and validated properly documented? <b>Yes</b> (b) Stakeholder Feedback: How effectively is feedback from stakeholders (students, faculty, alumni, industry experts) gathered, analyzed, and incorporated into curriculum revisions? <b>Yes</b> (c) Gap Analysis: Are curriculum gaps, such as those related to current industry needs or regulatory changes, identified and addressed in the revised syllabus? <b>Yes</b>	
5.	<b>OBE:</b> (a) Is the curriculum designed to achieve the specified Program Outcomes (POs) and Program Specific Outcomes (PSOs)? <b>Yes</b> (b) How are Course Outcomes (COs) mapped to POs and PSOs? Is this mapping systematically reviewed? <b>Yes</b> (c) Are course objectives and learning outcomes clearly stated and communicated to students? <b>Yes</b> (d) Do assessment methods (exams, assignments, projects) effectively measure the attainment of specific COs? <b>Yes</b> (e) Are question papers at the end of the semester and internal assessments reviewed for quality, relevance, and objectivity? Are students, faculty, and other stakeholders involved in the continuous improvement process related to OBE? <b>Yes</b> (f) Is all the Po's are attained? <b>Yes</b> (g) Is they are follwing Academic Calenders? <b>Yes</b>	The IQAC has taken an initiative to audit the department files. * It is observed that most of the most of the records are maintained properly. <input type="checkbox"/> Project based learning should be promoted seriously. <input type="checkbox"/> * Course assessment plans prepared at the beginning of the semester should be verified by the DAC <input type="checkbox"/> CO attainment calculation to be done appropriately and verified with the mark statements. <input type="checkbox"/> * Departments can arrange for workshops on innovative tools in teaching learning. <input type="checkbox"/>

6.	<b>Laboratory Facilities:</b> (a) Number of Laboratories: <u>10</u> (b) Working condition of equipments: <b>All in good working condition</b> (c) Up gradation as per new technological Developments and requirements of the course curriculum: <b>Yes</b> (d) Availability of licensed software as per the course curriculum : <b>MATLAB,B2 SPICE</b> (e) Number of Computer Labs <b>1</b> (f) Number of PCs: <b>30</b> (g) Software available : <b>MATLAB,B2 SPICE</b> (h) No of Printers available: <u>1</u>	* List of experiments with rubrics should be available and students should be made aware of the same. <input type="checkbox"/> * New experiments and design projects should be given to the students. MATLAB software license must be Re new and latest version have to be updated. *Printer may be provided to take printout in MATLAB circuits.
7.	<b>Faculty Development Programmes:</b> (a) FDPs attended by the faculty: (i) National: <b>21</b> (ii) International : <b>0</b> (b) Conferences attended by the faculty: (i) National: <u>00</u> (ii) International: <u>03</u> (c) Workshops attended by the faculty: (i) National: (d) Short term Courses attended by the faculty: (i) National: <b>0</b> (ii) Other: <b>1</b> (e) Facility of Study Leave with pay for faculty to pursue higher studies or attend FDPs : since FDP is going on, 6 days per year for Ph.D pursuing. (f) Reimbursement of Registration Fee and TA / DA expenses along with Special Casual Leave for participation in FDPs/Conferences/Workshops, etc.: <b>Yes</b> (g) Provision of Computing facility to individual faculty (Desktop/Laptop) : <b>Yes, facility provided</b>	* Paper publication in reputed indexed journals to be concentrated <input type="checkbox"/> * Conduct of certificate courses should be concentrated. <input type="checkbox"/> * Departments can arrange for workshops on innovative tools in teaching learning. * Faculties have to be encouraged to participate more No .of workshops . *Faculties have to be encouraged to present more No. of papers in conferences.
8.	<b>Research Publications:</b> (a) No. of publications in Journals (i) National : <b>00</b>	Faculties have to be encouraged to present more No. of papers in conferences.



	(ii) International: <b>08</b> (b) No. of publications in Conferences (i) National : <b>00</b> (ii) International: <b>03</b>	* Paper publication in reputed indexed journals to be concentrated * improvement is required in the following areas <input type="checkbox"/> Funded Projects <input type="checkbox"/> Consultancy Projects <input type="checkbox"/> Patents <input type="checkbox"/> Product Development <input type="checkbox"/> Revenue generation <input type="checkbox"/> Faculty Development Activities.
<b>9.</b>	<b>Library, Internet &amp; other facilities:</b> (a) Library: (i) Number of Titles: <b>41</b> ii) Total volumes of Books: <b>425</b> (iii) Number of Journals: <b>10</b> (iv) Digital Library: <u>Access Available</u> (b) Internet Connectivity: <b>Available</b>  <b>Blu Ultraband 400 Mbps</b> <b>Inet Solutions 400 Mbps</b>  (c) Placement Activities: (i) No. of companies Visited: <b>14</b> (ii) No. of Placements offered: <b>12</b> (iii) Average salary offered: <b>3.129LPA</b> (iv) Off campus placements (%): <b>8.33%</b> (v) On campus placements (%): <b>91.66%</b> (vi) Existence of Training & Placement Office in the Institute: <u>Yes</u>	* Improve the training classes related to core jobs also.

Signatures of the Members (i)



(ii)



- Original report is available in the department.



# BVC INSTITUTE OF TECHNOLOGY AND SCIENCE (A)

(Institution with NAAC 'A' Grade)  
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## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### Action taken report on academic audit inspection committee remarks

#### Academic Year 2023-24:

S. No	Name of the member	Designation	Inspection Committee Suggestions	Action taken by the department
1	Dr. M.Gopichand Nayak	Professor, Department of EEE, Andhra University, Vizag	<ul style="list-style-type: none"><li>*The IQAC has taken an initiative to audit the department files.</li><li>* It is observed that most of the records are <sup>not</sup> maintained properly. <input type="checkbox"/> Project based learning should be promoted seriously. <input type="checkbox"/></li></ul>	Instructions given to the records Incharge to maintain records properly
2	Dr. K. Lokesh Reddy	Professor, EEE, C.V.R College of Engineering, Hyderabad.	<ul style="list-style-type: none"><li>* Internships and in-plant training should be concentrated.</li><li>* Course assessment plans prepared at the beginning of the semester should be verified by the DAC <input type="checkbox"/> CO attainment calculation to be done appropriately and verified with the mark statements. <input type="checkbox"/></li><li>* Departments can arrange for workshops on innovative tools in teaching learning. <input type="checkbox"/></li><li>* Experienced faculty may apply for higher studies(Ph. D) [Because of department have more No. of experienced faculty].</li><li>*Projectors may be provided to all the classrooms.</li><li>*students may encourage to participate more No. of competitions in outside colleges.</li><li>*ICT based teachings have to be uploaded in college website.</li><li>*Desktop computers have to be updated with latest configurations.</li><li>*MATLAB software liscence must be Re new and latest version have to be updated.</li></ul>	<p>conducted innovative tools workshop.</p> <p>Requested to the management</p> <p>Students are encouraged to participate more outside college events</p> <p>Requested to management</p>

		<p>*Printer may be provided to take printout in MATLAB circuits.</p> <p>*Faculties have to be encouraged to participate more No. of FDPs and workshops .</p> <p>*Faculties have to be encouraged to present more No. of papers in conferences.</p>	<p>Encouraging Faculties to attend more no. of FDPs</p>
		<p>*Details of the incentives given to the faculties for FDP and conferences have to be maintained by the separate file .</p> <p>*Faculties have to be encouraged to publish more No. of papers in SCI and SCOPUS</p> <p>*International journal count have to be increased</p> <p>*Internet speed must be improved.</p> <p>*Placement record details of the students should be displayed by flux in the department.</p>	<p>Encouraging Faculties to Publish Papers in SCI &amp; SCOPUS.</p> <p>Installed High Speed Network (Blu-Fi)</p>

  
HOD EEE

HEAD OF THE DEPARTMENT  
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AMALAPURAM-533 221, E.G.DT., A.P.