



## Anil Neerukonda Institute of Technology & Sciences (Autonomous)

(Permanent Affiliation by Andhra University & Approved by AICTE  
 Accredited by NBA (ECE, EEE, CSE, IT, Mech., Civil & Chemical) & NAAC)  
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### IQAC ACADEMIC AUDIT REPORT DEPARTMENT OF CIVIL ENGINEERING

Assessment Year: 2021-2022

| Description   | Max. marks | Marks Awarded |
|---|------------|---------------|
| <b><u>Resource Management</u></b>   |            |               |
| 1) Faculty availability (SFR) and Qualification;                                      | 25         | 25            |
| 2) Adjunct faculty and classes taken  | 10         | 10            |
| 3) Faculty participation in FDPs/STTPs/Workshops/ Conferences including pedagogy, OBE | 20         | 20            |
| 4) FDPs/STTPs/Workshops/ Conferences conducted for faculty                            | 5          | 5             |
| 5) Skill up-gradation of technical staff  | 5          | 5             |
| 6) Up-gradation, maintenance and safety of laboratories, Project lab                  | 15         | 15            |
| 7) e-Class rooms, Seminar hall & Computer centre                                      | 15         | 10            |
| 8) Central & Dept. libraries  | 10         | 10            |
| 9) Digital library & e-journals   | 10         | 10            |
| 10) Alumni association meetings, contributions  | 5          | 5             |
| 11) Curriculum: industry involvement  | 10         | 10            |
| Total   | 130        | 125           |
| <b><u>Course Planning</u></b>   |            |               |
| 1) Subject Allotment  | 10         | 10            |
| 2) Goal setting: Vision/ Mission/PEOs/POs/PSOs/ COs                                   | 25         | 25            |
| 3) CO-PO/PSO mapping  | 25         | 24            |
| 4) Preparation/Updating Instructional material  | 15         | 14            |
| 5) University/GATE/ESE Question Banks   | 10         | 10            |
| 6) Preparation/Updating Lab manual  | 10         | 10            |

|   |     |     |
|---|-----|-----|
| 7) ANITS Academic Calendar  | 5   | 5   |
| 8) Department Calendar  | 5   | 5   |
| 9) Class Time table   | 5   | 5   |
| 10) Preparation of Course file  | 30  | 27  |
| 11) Project work: Guide allocation, project problem identification  | 10  | 10  |
| Total   | 150 | 145 |
| <b><u>Course delivery</u></b>   |     |     |
| 1) Interactive Lectures, Pedagogy   | 10  | 8   |
| 2) Use of ICT tools: LCD Projector, Pen tablet, PPTs, Live / Animation Videos   | 15  | 12  |
| 3) Real world examples, Problem solving/ Tutorials, Role play, Flipped Classroom, Demonstration using equipment/ models/ charts | 15  | 12  |
| 4) Collaborative Learning: GDs/ Student Seminars, Project based learning/ Case studies, Peer learning groups, GATE/ESE problems | 15  | 13  |
| 5) LMS: MOODLES/Google Classroom, NPTEL/MOOC Certification, Self-learning   | 15  | 15  |
| Total   | 70  | 60  |
| <b><u>Professional Support</u></b>  |     |     |
| 1) Guest lectures by academic / industry experts  | 20  | 18  |
| 2) Skill Development Programs   | 10  | 10  |
| 3) Industrial/ Construction site visits   | 10  | 10  |
| 4) Industrial training  | 10  | 10  |
| 5) Campus Recruitment Training, Career guidance, mock interviews  | 20  | 20  |
| 6) Professional Society chapters/ student clubs   | 5   | 5   |
| 7) Annual Students Symposium  | 5   | 5   |
| 8) Annual Day with co-curricular/extra-curricular/Cultural events   | 5   | 5   |
| 9) Institute Innovation Council, Entrepreneurship Development Cell  | 5   | 4   |
| 10) MoUs with industries and activities   | 5   | 5   |
| 11) Extension activities through NSS, NCC etc   | 15  | 15  |

|  |     |       |
|--|-----|-------|
| 12) Student representation in academic/administrative bodies   | 10  | 8     |
| Total  | 120 | 115   |
| <b><u>Mentoring/ Other Support</u></b>   |     |       |
| 1) Mentoring Slow learners & irregular students  | 15  | 13    |
| 2) Collaborating with parents  | 5   | 5     |
| 3) Remedial classes to slow learners, lateral entry students, and to students with backlogs              | 15  | 12    |
| 4) Special GATE Classes, Guidance for Inter-institute events for fast learners                           | 10  | 7     |
| 5) Gold medal for Program Toppers, Cash awards for Class Toppers   | 5   | 5     |
| Total  | 50  | 42    |
| <b><u>Assessment &amp; Evaluation</u></b>  |     |       |
| 1) Assignments, Class Tests  | 15  | 13    |
| 2) Moodle/ Google based Quiz   | 10  | 8     |
| 3) Rubrics for Continuous Assessment in Lab courses, Student seminars, Industrial training, Project work | 20  | 18    |
| 4) Mid exams: Paper setting, scheme valuation, Question paper validation for CO, BL coverage             | 20  | 18    |
| 5) Post-Industrial training assessment   | 20  | 20    |
| 6) CO Assessment   | 30  | 28    |
| 7) PO/PSO Assessment   | 20  | 18    |
| 8) Projects classification and quality   | 15  | 14    |
| Total  | 150 | 137   |
| <b><u>Students achievements</u></b>  |     |       |
| 1) Paper/model presentations/ publications by students   | 15  | 8     |
| 2) Students cleared program in 4 years   | 15  | 11.25 |
| 3) Students cleared program in 4 years without backlogs  | 5   | 3     |
| 4) Pass % in III year, II year, I year   | 15  | 12.3  |
| 5) Students achievements in sports, extra-curricular activities etc.                                     | 10  | 4     |

|  |     |       |
|--|-----|-------|
| 6) Placements, higher studies & entrepreneurship:<br>No. placed/no. of studentsx30 | 50  | 28    |
| Total  | 110 | 66.55 |
| <b><u>Reseach &amp; Development</u></b>  |     |       |
| 1) Research guidance: PhD., M.Tech.  | 5   | 3     |
| 2) Research projects sanctioned, on-going,<br>completed                            | 5   | 0     |
| 3) Consultancy   | 5   | 3     |
| 4) Books/chapters  | 5   | 5     |
| 5) Faculty Publications in journals/conferences                                    | 15  | 7     |
| 6) Membership in editorial boards, papers<br>reviewed                              | 5   | 3     |
| 7) Membership in professional societies, related<br>activities                     | 5   | 5     |
| 8) Department journals, magazine, news letters                                     | 5   | 5     |
| Total  | 50  | 31    |
| <b><u>Feedback &amp; Appraisal</u></b>   |     |       |
| 1) Online students Feedback on T/L   | 10  | 9     |
| 2) Feedback from students during counselling                                       | 5   | 5     |
| 3) CRC meetings  | 10  | 10    |
| 4) Course end surveys, Exit Surveys  | 5   | 5     |
| 5) Alumni feedback, Parents feedback   | 5   | 5     |
| 6) Recruiters'/Employers' feedback   | 5   | 5     |
| 7) Performance Appraisal of faculty & technical<br>staff                           | 10  | 9     |
| 8) Academic Audit  | 10  | 10    |
| Total  | 60  | 58    |
| <b><u>Corrective Actions</u></b>   |     |       |
| 1) Corrective action on students feedback  | 10  | 10    |
| 2) Corrective action on Alumni/ Parents/<br>Recruiters'/ Employers' feedback       | 10  | 9     |
| 3) Corrective action on Course end surveys/ Exit<br>Surveys                        | 10  | 9     |

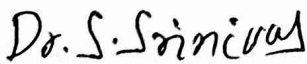
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|--|-------------|---------------|
| 4) Action on unattained COs/POs/PSOs                 | 10          | 8             |
| 5) Action on Curricular gaps                         | 10          | 9             |
| 6) Action on Academic Audit                          | 10          | 9             |
| Total  | 60          | 54            |
| <b>Continuous improvement</b>                        |             |               |
| 1) PO/PSO attainment                                 | 10          | 10            |
| 2) Pass %  | 10          | 8             |
| 3) Placements, higher studies                        | 10          | 10            |
| 4) Faculty publications                              | 10          | 4             |
| 5) Best Practices in the Department and their impact | 10          | 7             |
| Total  | 50          | 39            |
| <b>Grand Total</b>                                   | <b>1000</b> | <b>872.55</b> |

Specific Remarks (if any):

  
Signature of Hod-Civil:


Name & Signature of Internal Auditor1:

  
Dr. Ramprasad Reddy Sadi

  
Name & Signature of Internal Auditor2:

  
Dr. S. Srinivas

Name & Signature of External Auditor:

  
Dr. K. Rambabu  
Professor – Andhra University

Date: 26-11-2022