



Gokaraju Rangaraju Institute of Engineering and Technology
(Autonomous)

Internal Quality Assurance Cell (IQAC)

GRIET/IQAC/G/24-25

Audit Date: 21.8.2024

DEPARTMENT ACADEMIC AND ADMINISTRATIVE AUDIT
(Academic Year: 2023-24)

1. Details of Audit Team:

| S. No. | Faculty Name | ID No. | Designation | Department |
|--------|-----------------|--------|----------------|-----------------|
| 1. | Dr.Ram Subbiah | 1289 | Professor | Mechanical Engg |
| 2. | Dr.Pakkiraiah B | 1593 | Asso.Professor | EEE |

2. Name of the Department to be Audited: CSE - Data Science

3. Programs offered: B.Tech CSE - Data Science

| | UG | PG |
|-----------------------|-----------------------|----|
| Name of the Program | B.Tech - Data Science | -- |
| Year of establishment | 2020 | -- |

4. No. of Faculty & Students:

| Designation | UG | | PG | |
|-----------------------|-------------|--------------|-------------|--------------|
| Professors | 2 | | -- | |
| Associate Professors | 1 | | -- | |
| Assistant Professors | 21 | | -- | |
| Total no. of Students | 420 | | | |
| | No. of Boys | No. of Girls | No. of Boys | No. of Girls |
| | 266 | 154 | -- | -- |

5. Audit Report:

| S.No. | Item Description | Audit team findings / recommendations |
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| 1. | Availability of Statutory & Accreditation Documents (UGC Autonomous, AICTE EoA, JNTUH permission letters, NBA, NAAC Accreditation Letters, NIRF Ranking) in the department. Yes/No | Yes, Available |
| 2. | NBA Evaluation reports of past visits & ATR based on weaknesses and deficiencies of latest NBA visit (if any). | Not Applicable |
| 3. | Records of list of regular/contract/visiting faculty members with their appointment letters, designation, qualification, promotion, salary details, etc. | Yes, Available |
| 4. | What is the % of Faculty with Ph.D.? | 9.5% |
| 5. | What is the average teaching experience of faculty in years? | 6.3 Yrs |
| 6. | Details of Faculty Student Ratio | 1:18 |
| 7. | Evidences of non-teaching staff members along with their appointment letters, degree, skill upgradation, etc. | Yes, Updated |
| 8. | Does the department have a copy of the GRIET RED Book, Green Book, Orange Book, Pink Book? | Yes, Available |
| 9. | How frequently does the Department hold meetings of the faculty to discuss academic issues? | Monthly once |
| 10. | Are Department Agenda, Minutes of | Yes, Available |

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| | Meetings (MoM), Action Taken Report (ATR) maintained? Yes/No. Indicate the last meeting date. | |
| 11. | Whether Academic Calendars, Timetables for UG & PG programs are appropriately displayed in the department notice boards and website? Yes / No. | Yes, Available |
| 12. | Documents related to Curriculum Aspects (BoS Meetings – Appointments, Agenda, Minutes, ATR, Benchmarks, Regulations & Syllabus for all revisions duly signed by all the members) are UpToDate or not? | Yes, Updated |
| 13. | Does the Board of Studies include members from academia, research institutions, potential employer, alumni, and students? Yes/No. Attach details. Indicate the last meeting date. | Yes. The last meeting date IS.26.6.2024 |
| 14. | Whether UG & PG Regulations, Syllabus Books& Pink Books for GR18, 20 & 22 available or not? Verify the course structure | Yes, Available and verified |
| 15. | Has the syllabus been revised in the current year? Yes/No If Yes, attach details. | Yes, Revised |
| 16. | Have the curriculum changes been made in tune with the feedback from Industry / Employers/ Faculty/ Alumni Students? Yes/No | Yes, Curriculum changes are made |
| 17. | Are the program outcomes and course outcomes clearly spelt out using Blooms Taxonomy? Yes/No | Yes, Available |
| 18. | Does the syllabus include Professional and | Yes, Available |

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| | Open Elective Courses? Yes/No. Mention the number of elective courses offered. | PE – 4 Threads with 6 courses OE – 3 Courses |
| 19. | Does the Department offer Open Elective Courses to students of other Departments? Yes/No. Mention the number of elective courses offered. | Yes, Available |
| 20. | Details of Value Added Courses offered to students? | Linux Program |
| 21. | Are courses offered on gender equity, Human values and Professional ethics, environment etc. If so, specify details. | Yes, offered in II-1 Semester |
| 22. | UG & PG Admissions, Student Profiles are maintained or not? | Yes, updated |
| 23. | Whether the Workload is uniformly allotted among the faculty? Mention the no. of hours/week for Professor, Associate Professor and Assistant Professor. | Professor – 13 Associate Professor – 13 Assistant Professor - 16 |
| 24. | Course file with plan of course delivery, question papers, answer scripts, assignments, reports of assignments, project reports, report of design projects, list of laboratory experiments, etc. No. of Hard Copies available: 25 No. of Soft Copies available: 60 | Yes, Available |
| 25. | Records of instructional methods and pedagogical initiatives used in teaching and learning. Percentage of teachers using Active Learning Strategies, LMS, ICT Tools: | Peer learning, flipped classroom, TPS activity, Newton classroom, LMS and google classroom methods are adopted |

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| | No. of Courses using ICT Tools: | |
| 26. | Are Sessional / Internal Examinations held as per schedule? | Yes, Available |
| 27. | Records of quality assessment in continuous internal evaluation, internal question paper, assignment, quiz, etc. | Yes, Available |
| 28. | Are records of the Exam Question Papers and Marks Memo maintained? Yes/No | Yes, Available |
| 29. | Are the evaluated scripts of the internal exam made available to the students and marks displayed in department notice boards? Yes/No | Yes, Available |
| 30. | Verify the Quality of mid exam papers (Blooms Taxonomy, COs, PIs used in Question Papers) | Yes, Available |
| 31. | Whether the Result Analysis is carried out or not? | Yes, Available |
| 32. | Evidences of program success rate (success rate without backlogs and success rate within the stipulated period) in the last 3 years. | Yes, Available Program success rate – 96.9% |
| 33. | Evidences of academic performance of 2 nd and 3 rd year students in the last 3 years. | Yes, Available |
| 34. | Records of list of methodologies used to support weak students and encourage bright students and impact analysis. | Yes, Available For weak students – Remedial classes are conducted, for Bright Students IIT, Bombay spoken tutorials are given. |
| 35. | Records of Mentor and Mentee Interaction (Parent – Teacher - Student Interactions). | Yes, Available |

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| | Mention the frequency of interactions | |
| 36. | Are there any Bridge courses conducted to support Lateral Entry students? Yes/ No | Yes, conducted on C-Programming |
| 37. | Is CO-PO-PSO Attainments & ATR available | Yes, Available |
| 38. | All templates for various survey forms are available | Yes, Available |
| 39. | Evidences of list of professional societies and number of events organized by the Department | Yes, Available |
| 40. | Records of industry internships/summer training and its impact analysis | Yes, Available and the impact is 72.73% |
| 41. | Verify and comment on Industrial Visits and Internships | Yes, Available |
| 42. | Evidences of co-curricular and extra-curricular activities | Yes, Available |
| 43. | Students Achievements and Awards | Yes, Available |
| 44. | Records of technical magazines, newsletters, etc | Yes, Available |
| 45. | List of student papers along with hard copies of the publications; professional society publications/magazines, etc. | Yes, Available |
| 46. | Does the Department engage in outreach programs in addition to NSS? Yes/No | Yes, Available |
| 47. | Evidences of quality student projects & rubrics used to assess the student projects and its outcomes | Yes, Available |
| 48. | Are the project reports (UG & PG) checked for plagiarism? Yes/ No. | Yes, Available |
| 49. | Record of sample best and average project reports/thesis. Verify the summary sheet of | Yes, Available |

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| | projects. | |
| 50. | Evidences of placement, higher studies and entrepreneurship details. | Yes, Available 60.60% of students placed. |
| 51. | What is the Highest and mean packages received by the students? | 10.73 L and 2.5 L |
| 52. | No. of students who qualified in competitive examinations (Civil Services, GATE, GMAT, CAT, GRE, TOEFL, etc.) along with Score Cards. | TOEFL – 1 IELTS – 1 GRE - 1 |
| 53. | How many startups initiated by the students from the department? Provide details. | Not Applicable |
| 54. | No. of grievances, disciplinary cases raised in the department and ATR | Not Applicable |
| 55. | Evidences of faculty publications / books / Book chapters / citations / awards / Ph.D awarded and number of Ph.D scholars guided by faculty members | Yes, Available – 11 publications number of Ph.D scholars guided by faculty members - Nil |
| 56. | List of R&D projects and consultancy projects along with approval letters & proof of working models / products developed by faculty. | Not available |
| 57. | Records of project laboratories, research laboratories, industry-supported laboratories and other additional facilities available within the department. | Yes, Available Room Number 2206 |
| 58. | Does the department have a Center of Excellence? If yes, list the activities carried under CoE. | Not available. |
| 59. | Records of initiatives related to industry | Yes, Available |

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| | interaction & partial delivery of lectures by expert from Industry/research Institutes and its impact analysis | |
| 60. | No. of Patent(s)/Copyright/Other IPRs filed/awarded. | Yes, Available 01 patent |
| 61. | No. of active MOUs available. How many activities conducted under each MoU? | Yes, Available |
| 62. | List at least five major research equipment available in the department with details. | Not Available |
| 63. | Does the department take the needs of all its entities into consideration, while preparing and utilizing the budget? Verify the process. | Yes, Considered |
| 64. | Evidences of program specific budget allocation and utilization. Proof for Expenditure. | Yes, Available |
| 65. | Whether the budget is spent as per the plan or not? Mention the reasons, if it is underutilized or over utilized. | Yes, spent equally as per the plan |
| 66. | Verify and comment on the List and proofs of faculty interaction with outside world | Yes, Available |
| 67. | No. of FDPs, Short-term courses, workshops, organized in the department | Yes, Available |
| 68. | No. of conferences organized in the department | Not available |
| 69. | No. of Hackathons organized for the students | Organized 1 hackathon |
| 70. | No. of training programs organized for non-teaching staff. | Not available |
| 71. | No. of video lectures developed and hosted in the department YouTube channel/ LMS. | 20 video lectures developed. |

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| 72. | No. of training programs conducted to stakeholders on OBE. | 02 |
| 73. | No. of Awards/ Honours/ Academic Recognitions received by faculty. | 01 |
| 74. | List of classrooms, faculty rooms, Office room, HOD room. | HOD room – 1, faculty room – 4, classrooms – 5, office room - 1 |
| 75. | List of program specific labs and computing facility within department. (List of computers, List of Software, Stock Registers, Lab Manuals, Sample Records, Lab occupation Sheet, organization chart with signature, logbooks, complaint register, etc.) | Yes, available. |
| 76. | List the newly developed lab experiments in the current audit A.Y. | Not added |
| 77. | Publication and dissemination among stakeholders & awareness programs on Vision, Mission, PEOs, POs and PSOs statements. | Yes, Available |
| 78. | Justification of PEO matrix against department mission elements. | Yes, Available |
| 79. | Records of mapping of Course Outcome with Program Outcomes and Program Specific Outcomes. | Yes, Available |
| 80. | Records of list of assessment tools used for PO / PSO & attainment values. | Yes, Available |
| 81. | Records of program curriculum and process used to identify extent of compliance of curriculum for attaining POs & PSOs. | Yes, Available |
| 82. | Records of Direct and Indirect assessment | completed. |

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| | to show attainment of POs and PSOs | |
| 83. | Stake-holders involvement in the process of improvement of POs and PSOs | Yes, Involved |
| 84. | Observations and actions taken based on the attainment of POs /PSOs | Not done. |
| 85. | Verify the list of prominent alumni from the department. | 5 alumni |
| 86. | How many activities/ interactions organized with alumni? | Not done yet |
| 87. | Mention the Best Practice that is unique to the Department. | G-Lob, 14 programming tasks are performed in place of 12 and project reports are prepared. |
| 88. | What is the Distinctiveness of the Department? | TCS Industry Ready program |
| 89. | Whether the department website is up to date and systematically designed? | Yes, Updated |
| 90. | Records of delivery details of the content beyond the syllabus & list of activities / events organized by the department. | Project reports are prepared for G-Lob activity and beyond the syllabus programming tasks were given. |
| 91. | Evidences of number of seats filled under various quotas and quality of students (ranks/percentage of marks) admitted to the program. No.ofStudents (UG): 138 EAMCETStartingRank: 4008 EAMCETClosing Rank: 9074 No.ofStudents (PG): NA GateStartingRank:--NA GateClosing Rank:--NA | No.ofStudents (UG): 138 EAMCETStartingRank: 4008 EAMCETClosing Rank: 9074 |

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| | PGCETstating Rank: PGCETclosing Rank: | |
| 92. | Evidences of faculty participation in the FDP/STTP/NPTEL/training activities. | Yes, Available |
| 93. | Records of student feedback on teaching learning process and corrective measures taken. | Yes, Available |
| 94. | Records of faculty performance appraisal system. | Yes, Available |
| 95. | List of laboratories available in the department. No. of lab manuals: 13 No. of previous / used lab manuals and observation books: 11 | Total 14 labs No. of lab manuals: 13 No. of previous / used lab manuals and observation books: 11 |
| 96. | Records of lab maintenance and safety measures available within the department. | Yes, Available |
| 97. | Feedback from Stakeholders Students: Alumni: Employers / Industry: Parent: | Yes, Available |
| 98. | Records of previous academic audit and corrective measures taken | 20% Improved |



Suggestions for the department improvement by the audit team:

- Well maintained documents.
- CO, PO-PSO attainments has to be done immediately once the end semester results are declared and based upon that action taken report has to be made.
- Conference to be initiated by the department.
- Alumni meeting to be organized.

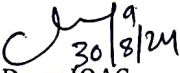
- Less number of faculty members has received faculty awards. Suggested to improve the count.
- Suggested to file few patents.
- Certification/ training courses/ FDP to be organized for non teaching faculty members.
- Faculty members suggested to register for PhD.
- Suggested faculty members to get R&D/ consultancy projects.
- Suggested to establish Center of excellence.
- Suggested to get major research equipments.


1. Dr.Ram.Subbiah

2. Dr.B.Pakkiraiah

1.  (Dr. Pakkiraiah B) 30/8/24
2.  (Dr. Ram Subbiah) 30/8/24

(Signatures of Audit Team with date)


30/8/24
Dean IQAC


Principal