

INTERNAL QUALITY ASSURANCE CELL
ADITYA INSTITUTE OF TECHNOLOGY
AND MANAGEMENT - TEKKALI
ACADEMIC AUDIT REPORT

Name of the Department: **COMPUTER SCIENCE AND ENGINEERING (Data Science)**

Academic Year: 2024-25 I Semester (July to December)

Date of Audit : 19-12-2024

I. COs, POs and Curriculum		
S. No	Criterion	Observations
1.	COs and POs assessment	COs and POs attainment calculated as per the procedure established by PAC.
2.	Stakeholders feedback related to curriculum design	Graduate exit survey, alumni survey and Employer survey are conducted as per format.
3.	Action taken on minutes of BoS	Incorporated changes as per the suggestions of BoS, DAC and PAC. Annexure-1.1 (BoS minutes and curriculum changes evidences)
4.	Percentage of lab component	40% (8/20) - AR23 33.7% (14.5/43) - AR20 Annexure-1.2 (course structure) Three additional experiments are conducted in all Labs
5.	Evidence of academic flexibility	Open elective + Core elective courses 0% (0/20) - AR23 Open elective + Core elective courses 13.9% (6/43) - AR20
II. Faculty information and their contribution		
S. No	Criterion	Observations
1.	Student Teacher ratio	1:31
2.	Faculty Cadre ratio	Faculty Cadre details Professors: 2 Associate Professors: 0 Assistant Professors: 6 FCR : 1:0:12
3.	Faculty qualifications	1 out of 7 faculty members are doctorates, 01 registered for Ph.D and rest of the faculty members are post graduates
4.	Faculty experience & retention	Annexure-2.1 (list of faculty, qualifications, total experience, experience at AITAM)
5.	Faculty contribution in writing: - Books: - Book chapters:	Nil
6.	Faculty Professional bodies - Faculty contributions	Annexure-2.2 (Memberships)

7.	Facultyasresourcepersons in workshops/trainingactivities	Nil
8.	International / National level eventsorganized -Conferences:Nil -Workshops/Seminars:1 -FDPs:Nil	Numberofeventsorganized: NIL Number of workshops organized: NIL
9.	List of conferences/seminars/ workshops/FDP's/ any exclusive programs attendedforenrichmentofof teaching-learning process	1 facultymembersattended for FDP Annexure-2.3

III. Teaching-Learning Process and Evaluation

S.No	Criterion	Observations
1.	Student performance indices Attendance Exams	Lists of students for Detention and Condonation are maintained. Results analysis is carried out. Annexure-3.1
2.	Mechanism and activities for slow learners improvement	Slow learners are identified based on performance in Mid-exams. Conducted Make-up classes for slow learners.
3.	Student counseling/mentoring mechanism	24 students are allotted to each faculty member to mentor for continuous improvement. Annexure-3.2 (Allotment and sample files scanned)
4.	Initiative taken for innovative projects	Nil
5.	Review & Evaluation of Student Projects: - Best projects	Nil
6.	Monitoring of Teaching-Learning Process - Observation of teaching process in classrooms as per schedule - Tracking of syllabus coverage - Uploading of lecture notes, question papers of mid and semester end examinations in e-learning portal - Verification of evaluated answers papers - Checking the quality of mid examination question papers - Innovative teaching methods presented - Verification of course files - Minutes of class committee meetings and action taken	- Attendance registers are verified once in a month. - Compliance of teaching diary with lesson plan is monitored once in a month. - Track sheets are maintained to review syllabus coverage - uploading of course material, mid and semester end question papers in e-Learning Portal - All Mid answerscripts are verified - Mid question papers as per cognitive levels are verified. - PPT's, NPTEL video lectures are used, - Course files are there for all courses. Annexure-3.3 (Sample lesson plan, teaching diary, sample scanned copy of attendance register with signs of faculty member, HoD and Principal, syllabus coverage and number of class track sheet, minutes of class committee meetings)

7.	Training programs conducted for students - Guest lectures - Add-on courses - Seminars/workshops - Compliance of department academic calendar	No. of guest lectures: 03 No. of Add-on courses: Nil No. of Seminars/workshops: Nil No major deviations are observed in the compliance of department academic calendar. Annexure-3.4
8.	MoUs with Industries for internship	Nil
9.	Students feedback and follow-up action	Online feedback is taken from the students for all courses and review is carried out.
10.	Scope for Self-learning - Certificate courses - Online courses	Monetary encouragement for certification courses
11.	Result analysis and conduct of remedial classes for students with backlogs	Result analysis is carried out after the results of semester end examinations and remedial classes are conducted for students with backlogs Annexure-3.5 (Result analysis for all the 8 semesters and detail of remedial classes)
12.	Placements (%): Industries/organizations:	Nil
13.	Higher studies (%): Institutions:	Nil
14.	Student development Activities: - co-curricular - extra-curricular activities	No. of technical events in association with student chapters: No. of NSS Activities: 03 No. of Innovations and Startups: Nil Annexure-3.6

IV. Research, Consultancy and Extension

S.No	Criterion	Observations
1.	Faculty publications in journals: Peer reviewed Journals: Thomson Reuters Impact factor Journals:	No. in peer reviewed journals: Nil No. in Scopus/SCI indexed journals: Nil
2.	Publications in conferences: - National - International	No. in Conference publications: 0
3.	Percentage of faculty contributing in - Research publications:	Percentage of faculty involved in research publications: Nil
4.	PhDs - Registered - Submitted - Awarded	No. registered: 1 No. submitted: 0 No. awarded: 1 Annexure-4.1
	PhD guiding/guided:	No. of PhDs guiding: Nil No. of PhDs guided: Nil

5.	Funded consultancy work	Nil
6.	Incentives for faculty R&D	Nil
7.	MOU's with industries/R&D/Premier Institutes	Nil
8.	Research centers of excellence established	Nil
9.	Skill development centers established	APSSDC

V. Infrastructure and Learning Resources

S.No	Criterion	Observations
1.	Infrastructural facilities to improve the teaching learning process Class rooms: Labor atories: e- class rooms: Seminar r halls: Faculty rooms:	No. of class rooms: 03 No. of tutorial rooms: 00 No. of laboratories: 02 No. of e- Class rooms: 00 No. of seminar halls: 01 No. of faculty rooms: 05
2.	Internet facilities for faculty & Students:	Wi-Fi enabled campus
3.	Technical & administrative staff support	02 members of Lab Technician for supporting various Laboratories .
4.	Department budget - Sanctioned amount - Amount spent - New equipment added - Maintenance of equipment and consumables registers in labs	Amount sanctioned in Rs.: 7,50,000 Amount spent in Rs.: 591752 New equipment added worth Rs.: 54072 Equipment and maintenance registers are maintained for all the Labs: Yes
5.	Details of computing facilities and software	Total number of Computers: 120 List of Software procured: Nil
6.	Dept Newsletter/magazine	Department half-yearly Newsletter is in place Annexure-5.1
7.	Department level library resources	Number of Titles: Nil Number of Volumes: Nil Number of Journals: Nil Number of E-Journal: Nil Number of Video courses: NIL

VI. Student Information, Support and Progression

S.No	Criterion	Observations
1.	Add-on courses:	List of add-on courses: Nil

	Student publications: NIL Dept. student clubs: 3	No. of student publications: Nil No. of club activities for students: Nil
3.	Details of coaching provided for GATE/GRE/ CRT/any other competitive exams	No. of CRT classes: 30
4.	Industrial visits and internships	Nil

VII. Governance, Leadership and Management

S.No	Criterion	Observations
1.	Teaching and non-teaching staff attended for skill development programs	No. of teaching staff: Nil No. of Non-Teaching staff: Nil
2.	MoUs with premier Institutions for knowledge exchange	Nil
3.	Display of Vision, Mission and other Quality objectives at prominent places	Display of Vision: Yes Display of Mission: Yes Display of PEOs, POs, PSOs and COs: Yes
4.	Staff and student attendance monitoring system - Biometric - Attendance registers	Generation of Daily, Weekly and Monthly attendance reports
5.	Financial support/leaves for qualification/skill up-gradation:	Nil
6.	Risk evaluation/safety measures:	Maintaining Fire extinguishers at prominent places

VIII Strengths, Weaknesses and Areas of Improvement

Strengths:

1. Department having qualified faculty members.
2. Department organized good administrative and Intra-departmental activities.

Weaknesses:

1. Less involvement of students in research funding.
2. Lack of inter disciplinary interaction.

Suggestions for improvement:

1. Improve Routine up gradation and involvement on curriculum.
2. Improve Training and development of students to take up more extra programs.

Sig. of Department Coordinator

Sig. of Academic Auditors

1.

2.

Sig. of HOD

Sig. of IQAC Coordinator

COORDINATOR, IQAC
Aditya Institute of Technology and Management
TEKKALI-532 201