

INTERNAL QUALITY ASSURANCE CELL

ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT – TEKKALI

ACADEMIC AUDIT REPORT

Name of the Department : Information Technology

Academic Year : 2023-2024

Semester : I

Date of Audit : 27-01-2024

I. COs, POs, and Curriculum

S. No	Criterion	Observations
1.1	COs and POs assessment	COs and POs attainment calculated as per the procedure established by PAC.
1.2	Stakeholders feedback related to curriculum design	Survey details will be updated in the 2 nd semester reports
1.3	Action taken on minutes of BOS	Annexure-1.1 - BOS Minutes and Curriculum changes evidence. Incorporated changes as per the suggestions of BOS, DAC, and PAC.
1.4	Percentage of lab component	Annexure-1.2- AR 20 Lab Components 28.44%(45.5/160 Credits)- AR-20 Two additional experiments are conducted in all Labs Annexure-1.3 - AR 23 Lab Components 9.37%(15/160 Credits)- AR-23 (only 1-Year)
1.5	Evidence of academic flexibility	Annexure-1.4 - AR20 Electives 5 Professional + 2 Interdisciplinary + 1 Open Electives 15% (24/160 Credits) - AR20

II. Faculty Information and their contribution

S. No	Criterion	Observations
2.1	Student Teacher Ratio	Annexure-2.1 - Students Roll list and STR details. No.of Students enrolled - 462 Total Faculty - 27 Student Teacher Ratio - 1:17
2.2	Faculty Cadre Ratio	Annexure-2.2 - Faculty Cadre details Professors: 4

		Associate Professors: 3 Assistant Professors: 20 FCR – 43/20
2.3	Faculty Qualifications	Annexure-2.3 – Faculty Qualification Details Total Faculty: 27 Doctorates: 7 Ph.D Registered: 8 Postgraduates: 12
2.4	Faculty Experience and Retention	Annexure-2.4 – Faculty Experience Details (list of faculties, qualifications, total experience, experience at ATMA)
2.5	Faculty Contribution in Writing: • Books • Book Chapters	Annexure-2.5 – Books and Book Chapter Details
2.6	Faculty in Professional Bodies • Faculty Contributions	Annexure-2.6 – Memberships Details
2.7	Faculty as resource person in workshops / training activities	Nil
2.8	International / National level Events Organized • Conferences • Workshops / Seminars • FDP's	Annexure-2.7 – Events Organized Details
2.9	List of conferences / seminars / workshops / FDP's / any exclusive programs attended for enrichment of teaching – learning process	Annexure-2.8 – Events Attended Details

III. Teaching – Learning Process and Evaluation

S. No	Criterion	Observations
3.1	Student Performance Indices • Attendance • Exams	Annexure-3.1 – Detained Students list Annexure-3.2 – Condonation Students List Annexure-3.3 – Results Details List of students for Detention and Condonation are maintained. And Result analysis is carried out.
3.2	Mechanism and Activities for slow learners' improvement	Annexure-3.4 – Make-up classes Slow learners are identified based on performance in Mid-exams. Conducted Make-up classes for slow learners.
3.3	Student counseling / mentoring mechanism	Annexure-3.5 – Counselling Allotment List Maximum 20 students are allotted to each faculty member to mentor for continuous improvement. Allotment and Sample scanned file
3.4	Initiatives taken for innovative projects	Project details will be updated in the 2 nd semester report.
3.5	Review and Evaluation of student projects • Best projects	Project details will be updated in the 2 nd semester report.

3.6	<p>Monitoring of Teaching – Learning process</p> <ul style="list-style-type: none"> • 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 answer papers • Check the quality of mid examination question papers. • Innovative teaching methods presented. • Verification of Course files • Minutes of class committee meetings and action taken 	<p>Annexure-3.6: (Scanned copy of Attendance Register)</p> <ul style="list-style-type: none"> • Attendance registers are verified once in a month. • Compliance of teaching diary with lesson plan is monitored once in a month. • Trach sheets are maintained to review syllabus coverage. • Uploading of course materials, mid and semester end paper questions in e-learning portal. • All Mid Answer scripts 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.
3.7	<p>Training programs conducted for students.</p> <ul style="list-style-type: none"> • Guest Lectures • Add-on Courses • Seminars / Workshops • Compliance of department academic calendar 	<p>Annexure-3.7: Guest Lectures Details</p> <p>Annexure-3.8: Value Added Courses Details</p> <p>No major deviations are observed in the compliance of department academic calendar.</p>
3.8	MoUs with Industries for Internship	Annexure-3.9: Internship MOU's list
3.9	Students feedback and follow-up action	Annexure-3.10: Student Feedback Analysis details Online feedback is taken from the students for all courses and review is carried out.
3.10	<p>Scope for Self-learning</p> <ul style="list-style-type: none"> • Certificate Courses • Online Courses 	Annexure-3.11: NPTEL Certificate Details
3.11	Result analysis and conduct of remedial classes for students with backlogs	Annexure-3.12: Remedial Classes Details Result analysis is carried out after the results of Semester end examinations and remedial classes are conducted for students with backlogs.
3.12	Placements (%): Industries / Organizations	Placement details will be updated in the 2 nd semester report
3.13	Higher Studies (%): Institutions	Higher details will be updated in the 2 nd semester report
3.14	<p>Student Development activities:</p> <ul style="list-style-type: none"> • Co-curricular • Extra-curricular activities 	NSS details will be updated in the 2 nd semester report

IV. Research, Consultancy and Evaluation

S. No	Criterion	Observations
4.1	<p>Faculty Publications in Journals</p> <ul style="list-style-type: none"> • Peer reviewed journals • Thomson Reuters Impact factor Journals 	Annexure-4.1: Journal Publication Details
4.2	Publications in conferences	Annexure-4.2: Conference Publication Details

	<ul style="list-style-type: none"> • National • International 	
4.3	Percentage of Faculty contributing to Research publications	Percentage of faculty involved in research publications:75%
4.4	PhD's <ul style="list-style-type: none"> • Registered • Submitted • Awarded 	Annexure-4.3 PhD Studying Details No. of registered: 1 No. of Submitted: 0 No. of Awarded: 1
4.5	PhD's guiding / guided	Annexure-4.4: Ph.D Guiding Details No. of PhD's Guiding: No. of PhD's Guided: 0
4.6	Funded R&D Projects and Consultancy work	Consultancy details will be updated in the 2 nd semester report
4.7	Incentives for faculty R&D	Annexure-4.5: Incentive Details Incentives for faculty research publications as per HR policy
4.8	MOUs with industries / R&D / Premier Institutes	Annexure-4.6: MOU's with Institutes Details
4.9	Research centers of excellence established	Recognized as JNTUGV research center for the academic years 2023-24
4.10	Skill Development centers established	APSSDC is available in the college.

V. Infrastructure and Learning Resources

S. No	Criterion	Observations
5.1	Infrastructural facilities to improve the teaching learning process. <ul style="list-style-type: none"> • Classrooms • Laboratories • E-Classrooms • Seminar Halls • Faculty Rooms 	No. of classrooms: 7 No. of tutorial rooms: 1 No. of laboratories: 4 No. of e-Class rooms: 1 No. of seminar halls: 1 No. of faculty rooms: 7
5.2	Internet facility for faculty & students	Wi-Fi enabled campus
5.3	Technical & Administrative staff support	Annexure-5.1 (list of technicians and administrative staff with qualifications and experience)
5.4	Department Budget <ul style="list-style-type: none"> • Sanctioned Amount • Amount Spent • New equipment added • Maintenance of equipment and consumables registers in labs 	Annexure-5.2 Department Budget Details Amount Sanctioned : Rs: 35,50,000/- Amount Spent : Rs: 32,87,675 /-
5.5	Details of computing facilities and software	Total number of Computers: 152 List of Software procured: NIL
5.6	Department Newsletter / Magazine	Annexure-5.3: News Letters
5.7	Department level library resources	Annexure-5.4: Books Details Number of Titles: 161 Number of Volumes: 202 Number of Journals: NIL Number of E-Journals : NIL Number of Video courses: NIL

VI. Student Information, Support and Progression

S. No	Criterion	Observations
6.1	Add-on Courses	Annexure-6.1 List of add-on courses
6.2	Student Publications Department Student Clubs	No. of student publications: Nil No. of club activities for students: Nil
6.3	Details of coaching provided for GATE / GRE / CRT / any other competitive exams	No. of GATE classes: Nil No. of CRT classes: Nil
6.4	Industrial Visits and Internships	Annexure-6.2: Internship Summary Details

VII. Governance, Leadership and Management

S. No	Criterion	Observations
7.1	Teaching and Non-Teaching Staff attended for skill development programs	No. of teaching staff: Nil No. of Non-Teaching staff: Nil
7.2	MoUs with premier Institutions for knowledge exchange	Annexure-7.1 MOU Details
7.3	Display of Vision, Mission and other Quality objectives and prominent places	Display of Vision: Yes Display of Mission: Yes Display of PEOs, POs, PSOs and COs: Yes
7.4	Staff and Student attendance monitoring system <ul style="list-style-type: none"> • Biometric • Attendance registers 	Generation of Daily, Weekly and Monthly attendance reports
7.5	Financial Support / Leaves for Qualification / Skill-upgradation	Annexure-7.2: Incentive Details Faculty Members are sanctioned with Registration fees, TA and Academic Leave for attending Conferences and Workshops
7.6	Risk Evaluation / Safety Measures	Maintaining Fire Safety & Fire Fighting equipment and Fire extinguishers at all Blocks of the campus.

VIII. Strengths, Weaknesses and Areas of Improvement

Strengths

- 1) Excellent infrastructure
- 2) Good number of Doctorates in the department
- 3) participation of students in NSS activities is good, Livelihood skills of students improved.

Weaknesses

- 1) Lack of hackathons events, participation

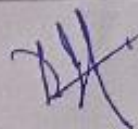
- 2) Limited interaction with IT professionals
- 3) Lack of Entrepreneurship activities, participation of students in innovation activities to be improved

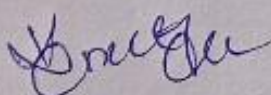
Suggestions for Improvement

- 1) Conduct Exper talks with alumnas
- 2) Encourage students and faculty to pursue MOOCs Courses.
- 3) Display Research projects & focus on R&D Activities

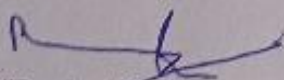


Sign of Department Coordinator

1. 

2. 

Sign of Academic Auditor



Sign of Head of Department



Sign of IQAC Coordinator

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

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

Name of the Department : Information Technology
 Academic Year : 2023-2024
 Semester : II
 Date of Audit : 26-07-2024

I. COs, POs, and Curriculum		
S. No	Criterion	Observations
1.1	COs and POs assessment	COs and POs attainment calculated as per the procedure established by PAC
1.2	Stakeholders feedback related to curriculum design	Annexure-1.1 - Graduate Exit Survey Annexure-1.2 - Alumni Survey Annexure-1.3 - Employer Survey
1.3	Action taken on minutes of BOS	Annexure-1.4 - BOS Minutes and Curriculum changes evidence. Incorporated changes as per the suggestions of BOS, DAC, and PAC.
1.4	Percentage of lab component	Annexure-1.5- AR 20 Lab Components 28.44%(45.5/160 Credits)- AR-20 Annexure-1.6 - AR 23 Lab Components 9.37%(15/160 Credits)- AR-23 (only 1-Year) Two additional experiments are conducted in all Labs
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		member to mentor for continuous improvement. Allotment and Sample scanned file
3.4	Initiatives taken for innovative projects	Annexure-3.6 – Innovative Projects Details
3.5	Review and Evaluation of student projects <ul style="list-style-type: none"> • Best projects 	Annexure-3.7 – Project Guidelines Details Project Review and Evaluation is carried out as per PRC guidelines.
3.6	Monitoring of Teaching – Learning process <ul style="list-style-type: none"> • 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 answer papers • Check the quality of mid examination question papers. • Innovative teaching methods presented. • Verification of Course files • Minutes of class committee meetings and action taken 	Annexure-3.8: (Scanned copy of Attendance Register) <ul style="list-style-type: none"> • Attendance registers are verified once in a month. • Compliance of teaching diary with lesson plan is monitored once in a month. • Trach sheets are maintained to review syllabus coverage. • Uploading of course materials, mid and semester end paper questions in e-learning portal. • All Mid Answer scripts 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.
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3.12	Placements (%): Industries / Organizations	Annexure-3.15: Placements Details Placements %: 75.36% Total 104 students got selected in various companies.
3.13	Higher Studies (%): Institutions	Annexure-3.16: Higher Studies Details Higher Studies%: 3% Total 04 students joined for PG Programmes in various institutes.
3.14	Student Development activities: <ul style="list-style-type: none"> • Co-curricular • Extra-curricular activities 	Annexure-3.17: NSS Activities Details

IV. Research, Consultancy and Evaluation

S. No	Criterion	Observations
4.1	Faculty Publications in Journals <ul style="list-style-type: none"> • Peer reviewed journals • Thomson Reuters Impact factor Journals 	Annexure-4.1: Journal Publication Details
4.2	Publications in conferences <ul style="list-style-type: none"> • National • International 	Annexure-4.2: Conference Publication Details
4.3	Percentage of Faculty contributing to Research publications	Percentage of faculty involved in research publications: 75%
4.4	PhD's <ul style="list-style-type: none"> • Registered • Submitted • Awarded 	No. of registered: 1 No. of Submitted: 0 No. of Awarded: 1
4.5	PhD's guiding / guided	Annexure-4.3: Ph.D Guiding Details No. of PhD's Guiding: No. of PhD's Guided: 0
4.6	Funded R&D Projects and Consultancy work	Annexure-4.4: Consultancy Works Details
4.7	Incentives for faculty R&D	Annexure-4.5: Incentive Details Incentives for faculty research publications as per HR policy
4.8	MOUs with industries / R&D / Premier Institutes	Annexure-4.6: MOU's with Institutes Details
4.9	Research centers of excellence established	Recognized as JNTUK research center for the academic years 2023-24
4.10	Skill Development centers established	APSSDC is available in the college.

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5.1	Infrastructural facilities to improve the teaching learning process. <ul style="list-style-type: none"> • Classrooms • Laboratories • E-Classrooms • Seminar Halls • Faculty Rooms 	No. of classrooms: 7 No. of tutorial rooms: 1 No. of laboratories: 4 No. of e-Class rooms: 1 No. of seminar halls: 1 No. of faculty rooms: 7
5.2	Internet facility for faculty & students	Wi-Fi enabled campus
5.3	Technical & Administrative staff support	Annexure-5.1 (list of technicians and administrative staff with qualifications and experience)
5.4	Department Budget <ul style="list-style-type: none"> • Sanctioned Amount • Amount Spent • New equipment added • Maintenance of equipment and consumables registers in labs 	Annexure-5.2 Department Budget Details Amount Sanctioned : Rs: 35,50,000/- Amount Spent : Rs: 32,87,675 /-
5.5	Details of computing facilities and software	Total number of Computers: 152 List of Software procured: NIL

5.6	Department Newsletter / Magazine	Annexure-5.3: News Letters Annexure-5.4: Tech Magazines
5.7	Department level library resources	Annexure-5.5: Books Details Number of Titles:161 Number of Volumes:202 Number of Journals: NIL Number of E-Journals :NIL Number of Video courses: NIL

VI. Student Information, Support and Progression

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6.2	Student Publications Department Student Clubs	Annexure-6.2 List of Student Publications Annexure-6.3 Student Clubs enrollment Details
6.3	Details of coaching provided for GATE / GRE / CRT / any other competitive exams	No. of GATE classes: Nil No. of CRT classes: Nil
6.4	Industrial Visits and Internships	Annexure-6.4: Internship Summary Details

VII. Governance, Leadership and Management

S. No	Criterion	Observations
7.1	Teaching and Non-Teaching Staff attended for skill development programs	Annexure-7.1: NPTEL Certificates No. of Non-Teaching staff:Nil
7.2	MoUs with premier Institutions for knowledge exchange	Annexure-7.2 MOU Details
7.3	Display of Vision, Mission and other Quality objectives and prominent places	Display of Vision: Yes Display of Mission: Yes Display of PEOs, POs, PSOs and COs: Yes
7.4	Staff and Student attendance monitoring system <ul style="list-style-type: none"> • Biometric • Attendance registers 	Generation of Daily, Weekly and Monthly attendance reports
7.5	Financial Support / Leaves for Qualification / Skill-upgradation	Annexure-7.3: Incentive Details Faculty Members are sanctioned with Registration fees, TA and Academic Leave for attending Conferences and Workshops
7.6	Risk Evaluation / Safety Measures	Maintaining Fire Safety & Fire Fighting equipment and Fire extinguishers at all Blocks of the campus.

VIII. Strengths, Weaknesses and Areas of Improvement

Strengths

- 1) Excellent central library including separate department library with computer internet facilities.
- 2) Excellent infrastructure
- 3) Ambience is good.

Weaknesses

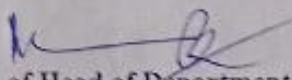
- 1) Research among students is not upto mark
- 2) Less number of self journals
- 3) Limited interaction with IT professionals.

Suggestions for Improvement


- 1) More number of Ph.D is essential
- 2) Research projects needs to be improved
- 3) Quality journals needs to be improved.



Sign of Department Coordinator

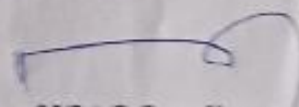


Sign of Head of Department

1.  (Dr. S. S. Srinivasulu)

2. V. Chinttharibh

Sign of Academic Auditor



Sign of IQAC Coordinator

COORDINATOR, IQAC

Aditya Institute of Technology and Management

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