INTERNAL QUALITY ASSURANCE CELL

ADITYA INSTITUE OF TECHNOLOGY AND MANAGEMENT – TEKKALI

ACADEMIC AUDIT REPORT

Name of the Department : Information Technology

Academic Year : 2022-2023

Semester : I

Date of Audit : 25-01-2023

S. No	Criterion	Observations
1. COs, POs, and Curriculum		
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 2nd 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 18 Lab Components 20.94%(33.5/160 Credits)– AR-18 **Annexure-1.3** – AR 20 Lab Components 28.44%(45.5/160 Credits)– AR-20 Two additional experiments are conducted in all Labs
1.5	Evidence of academic flexibility	**Annexure-1.4** – AR18 Electives 6 Professional + 4 Interdisciplinary Electives 16.25% (26/160 Credits) – AR18 **Annexure-1.5** – AR20 Electives 5 Professional + 2 Interdisciplinary + 1 Open Electives 15% (24/160 Credits) – AR20

S. No	Criterion	Observations
II. Faculty Information and their contribution		
2.1	Student Teacher Ratio	**Annexure-2.1** – Students Roll list and STR details. No.of Students enrolled - 324 Total Faculty - 24 Student Teacher Ratio – 1:13.5

2.2	Faculty Cadre Ratio	**Annexure-2.2** – Faculty Cadre details Professors: 3 Associate Professors: 3 Assistant Professors: 18 FCR – 3:3:18
2.3	Faculty Qualifications	**Annexure-2.3** – Faculty Qualification Details Total Faculty: 24 Doctorates:6 Postgraduates: 18
2.4	Faculty Experience and Retention	**Annexure-2.4** – Faculty Experience Details (list of faculties, qualifications, total experience, experience at AITAM)
2.5	Faculty Contribution in Writing: • Books • Book Chapters	**Annexure-2.5** – Books and Book ChapterDetails
2.6	Faculty in Professional Bodies • Faculty Contributions	**Annexure-2.6** - MembershipsDetails
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 2nd semester report
3.5	Review and Evaluation of student projects • Best projects	Project details will be updated in the 2nd semester report

3.6	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 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-3.6: (Scanned copy of Attendance Register) • 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	Training programs conducted for students. • Guest Lectures • Add-on Courses • Seminars / Workshops • Compliance of department academic calendar	Annexure-3.7: Guest Lectures Details Annexure-3.8: Value Added Courses Details No major deviations are observed in the compliance of department academic calendar.
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	Scope for Self-learning • 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 2nd semester report
3.13	Higher Studies (%): Institutions	Higher details will be updated in the 2nd semester report
3.14	Student Development activities: • Co-curricular • Extra-curricular activities	NSS details will be updated in the 2nd semester report

IV. Research, Consultancy and Evaluation		
S. No	Criterion	Observations
4.1	Faculty Publications in Journals • 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

	• National • International	
4.3	Percentage of Faculty contributing to Research publications	Percentage of faculty involved in research publications:75%
4.4	PhD's • Registered • Submitted • Awarded	No. of registered: No. of Submitted: No. of Awarded:
4.5	PhD's guiding / guided	No. of PhD's Guiding: No. of PhD's Guided:
4.6	Funded R&D Projects and Consultancy work	Consultancy details will be updated in the 2nd semester report
4.7	Incentives for faculty R&D	**Annexure-4.3:** Incentive Details Incentives for faculty research publications as per HR policy
4.8	MOUs with industries / R&D / Premier Institutes	**Annexure-4.4:** MOU's with Institutes Details
4.9	Research centers of excellence established	Nil
4.10	Skill Development centers established	APSSDC is available in the college.

V. Infrastructure and Learning Resources

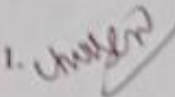| S. No	Criterion	Observations
5.1	Infrastructural facilities to improve the teaching learning process. • Classrooms • Laboratories • E-Classrooms • Seminar Halls • Faculty Rooms	No. of classrooms: 5 No. of tutorial rooms:1 No. of laboratories:4 No. of e-Class rooms:1 No. of seminar halls:1 No. of faculty rooms: 6
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 • Sanctioned Amount • Amount Spent • New equipment added • Maintenance of equipment and consumables registers in labs	**Annexure-5.2** Department Budget Details Amount Sanctioned : Rs:2200000 /- Amount Spent : Rs: 21,42,236/-
5.5	Details of computing facilities and software	Total number of Computers: 125 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

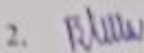| S. No	Criterion	Observations
6.1	Add-on Courses	Annexure-6.1 List of add-on courses
6.2	Student Publications Department Student Clubs	No. of student publications: Nil No. of club activities for students: Nil
6.3	Details of coaching provided for GATE / GRE / CRT / any other competitive exams	No. of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

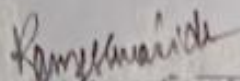| S. No	Criterion	Observations
7.1	Teaching and Non-Teaching Staff attended for skill development programs	No. of teaching staff:Nil No. of Non-Teaching staff:Nil
7.2	MoUs with premier Institutions for knowledge exchange	Annexure-7.1 MOU Details
7.3	Display of Vision, Mission and other Quality objectives 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 • 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) Quarter wise implementation of IIC activities to guarantee the students skill improvement and skill showcase.

2) Skill advanced courses by recognized trainipinstitutes to impart the skill pertaining to latest technologies

3) Admission strengths has been increased from 120 to 180 students

Weaknesses

1) Computis infrastructure lagip for complex programs like Deep learning

2) More number of projects in Machine Learning

3) Department doesn't have the strong research and innovation projects.

Suggestions for Improvement

1) Encourage faculties to do global certifications.

2) Encourage the faculties to collaborate with foreign authors for research development.
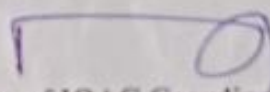
3) Encourage the doctorates to register for Guideship.

1. *[signature]*

2. *[signature]*

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Sign of Department Coordinator

Sign of Academic Auditor

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Sign of Head of Department

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Sign of IQAC Coordinator

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

INTERNAL QUALITY ASSURANCE CELL

ADITYA INSTITUE OF TECHNOLOGY AND MANAGEMENT – TEKKALI

ACADEMIC AUDIT REPORT

Name of the Department : Information Technology

Academic Year : 2022-2023

Semester : II

Date of Audit : 20-07-2023

S. No	Criterion	Observations
	I. COs, POs, and Curriculum	
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 18 Lab Components 20.94%(33.5/160 Credits)– AR-18 Annexure-1.6– AR 20 Lab Components 28.44%(45.5/160 Credits)– AR-20
1.5	Evidence of academic flexibility	Annexure-1.7 – AR18 Electives 6 Professional + 4 Interdisciplinary Electives 16.25% (26/160 Credits) – AR18 Annexure-1.8 – AR20 Electives 5 Professional + 2 Interdisciplinary + 1 Open Electives 15% (24/160 Credits) – AR20

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2.2	Faculty Cadre Ratio	Annexure-2.2 – Faculty Cadre details Professors: 3

		Associate Professors: 3 Assistant Professors:18 FCR – 3:3:18
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2.8	International / National level Events Organized • Conferences • Workshops / Seminars • FDP's	**Annexure-2.7** – Events Organized Details
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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	**Annexure-3.6** – Innovative Projects Details
3.5	Review and Evaluation of student projects • 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 • 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) • Attendance registers are verified once in a month. • Compliance of teaching diary with lessons plan is monitored once in a month. • Track 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	Training programs conducted for students. • Guest Lectures • Add-on Courses • Seminars / Workshops • Compliance of department academic calendar	Annexure-3.9: Guest Lectures Details Annexure-3.10: Value Added Courses Details No major deviations are observed in the compliance of department academic calendar.
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3.10	Scope for Self-learning • Certificate Courses • Online Courses	Annexure-3.13: NPTEL Certificate Details
3.11	Result analysis and conduct of remedial classes for students with backlogs	Annexure-3.14: 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	Annexure-3.15: Placements Details Placements %: Total 35 students got selected in various companies.
3.13	Higher Studies (%): Institutions	Annexure-3.16: Higher Studies Details Higher Studies%: 2% Total 01 students joined for PG Programmes in various institutes.
3.14	Student Development activities: • Co-curricular • Extra-curricular activities	Annexure-3.17: NSS Activities Details

IV. Research, Consultancy and Evaluation

S. No	Criteria	Observations
4.1	Faculty Publications in Journals • Peer reviewed journals • Thomson Reuters Impact factor journals	Annexure 4.1: Journal Publication Details
4.2	Publications in conferences • 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 • Registered • Submitted • Awarded	No. of registered: No. of Submitted: No. of Awarded:
4.5	PhD's guiding / guided	Annexure 4.3:Ph.D Guiding Details No. of PhD's Guiding: Nil No. of PhD's Guided: Nil
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.

V. Infrastructure and Learning Resources

S. No	Criteria	Observations
5.1	Infrastructural facilities to improve the teaching learning process. • 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: 6
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 • Sanctioned Amount • Amount Spent • New equipment added • Maintenance of equipment and consumables registers in labs	Annexure-5.2 Department Budget Details Amount Sanctioned : Rs.22,00,000 /- Amount Spent : Rs. 21,42,236 /-
5.5	Details of computing facilities and software	Total number of Computers: 125 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

S. No	Criterion	Observations
6.1	Add-on Courses	**Annexure-6.1** list of add-on courses
6.2	Student Publications	No. of Student Publications: Nil
	Department Student Clubs	No. of Club activities for Students
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 - 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.

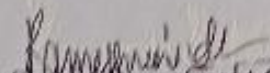## VIII. Strengths, Weaknesses and Areas of Improvement

Strengths

1) Industrial Internship will generate the students hands on experience on technologies that they undergone.

2) PhD Awardees Strength has been increased.

3) Actively participation of the students in the NSS Activities to improve their livelihood skills.

Weaknesses

1) Limited Faculty Industry exposure.

2) Lack of hackathon Events participation and conducting.
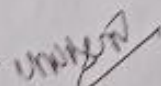
3) Limited interaction with IT professionals.

Suggestions for Improvement

1) Encourage the Non Ph.D holders to register for Ph.D programs.

2) Encourage the faculties to apply for R&D projects.

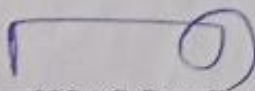3) Encourage the Doctorates to register for Post Doctoral fellowship.

1. Blllw

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Sign of Department Coordinator

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Sign of Head of Department

Sign of IQAC Coordinator

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