## INTERNAL QUALITY ASSURANCE CELL ADITYA INSTITUTE OF TECHNOLOGYAND MANAGEMENT- TEKKALI ACADEMIC AUDIT REPORT

Name of the Department: COMPUTER SCIENCE AND ENGINEERING(AI&ML)

Academic Year: 2022-23 II Semester (January to June)

Date of Audit

: 20-07-2023

C	Os, 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	29.2%(12/41) – AR20 Annexure-1.2 (course structure) -Two additional experiments are conducted in all Labs
5.	Evidence of academic flexibility	1 Interdisciplinary Elective –AR20 0.73%(3/41)
	aculty information and their contribution	
S. No	Criterion	Observations
1.	Student Teacher ratio	12
2.	Faculty Cadre ratio	FCR - 00:02 : 04
3.	Faculty qualifications	2 out of 6 faculty members are doctorates, submitted their thesis, 2 registered for Ph.D and rest of the faculty members are post graduates
4.	Faculty experience & retention	Annexure-2.1 (list of faculty, qualifications
5.	Faculty experience & retention  Faculty contribution in writing:  - Books: - Book chapters:  AFacultycintprofessional bodies 1	

	Student publications: NIL	No. of student publications
7. 8.	workshops / training activities International / National level events organized -Conferences:Nil	Nil Number of events organized:Nil Number of FDPs/GuestLectures/Seminars organized:Nil
9.	List of conferences/seminars/ workshops/ NFDP's/ any exclusive programs attended for enrichment of teaching - learning process	Jil
III	Cooking Looming Ducces and Evaluation	
$S.N_0$	Ceaching-Learning Process and Evaluation  Criterion	Observations
1.	Student performance indices Attendance Exams	Lists of students for Detention and Condonation are maintained. Results analysis is carried out.
2.	Mechanism and activities for slow learners improvement	Annexure-3.1  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 file scanned)
4.	Initiatives 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 answer 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	<ul> <li>Attendance registers are verified once in a month.</li> <li>Compliance of teaching diary with lesson plan is monitored once in a month.</li> <li>Track sheets are maintained to review syllabus coverage</li> <li>uploading of course material, mid and semester end question papers in e-Learning Portal</li> <li>All Mid answer scripts are verified</li> <li>Mid question papers as per cognitive levels are verified.</li> <li>PPT's, NPTEL video lectures are used,</li> <li>Course files are there for all courses.</li> <li>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 classes track sheet, minutes of class committee meetings)</li> </ul>

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7.	Training programs conducted for	No. of guest lecturers: 3
1	students	No. of Add-on courses: Nil
	- Guest lectures	No. of Seminars/workshops:1
	- Add-on courses	in th
	- Seminars/workshops	ohserveu in
1	- Compliance of 1	No major deviations are observable compliance of department academic calendar.
	- Compliance of department academic calendar	compliance of department
	academic calendar	Annexure-3.4
8.	MoUs with Industries for internship	Nil
	Tot internamp	
9.	Students feedback and follow-up action	Online feedback is taken from the students for all
	and follow-up action	courses and review is carried out.
10.		courses and review is the courses
10.	Scope for Self-learning	Monetary encouragement for certification courses
	- Certificate courses	
-	- Online courses	t moults of
11.	Result analysis and conduct of remedial	Result analysis is carried out after the results of
	classes for students with backlogs	land and avaminations and avaminations
	Will odoldogs	1 4 J Fam afridents Willi Davis B
		are conducted for students was for all the 8
1		Annexure-3.5 (Result analysis for all the 8
-00		semesters and details of remedial classes)
88	Placements (%):	Nil
12.	Industries / organizations:	
13.	Higher studies (%):	Nil
	Institutions:	1411
14.	Student development Activities:	No. of technical events in association with student
	- co-curricular	
	- extra-curricular activities	chapters:
	oxtra-curricular activities	No. of NSS Activities: 00
		No. of Innovations and Startups: Nil
TV I	Descend C. II	
S.No	Research, Consultancy and Extension	
	Criterion	Observations
1.	Faculty publications in journals:	No. in peer reviewed journals:Nil
	Peer reviewed Journals:	No. in Scopus/SCI indexed journals:Nil
	Thomson Reuters Impact factor Journals:	
2.	Publications in conferences:	No. in Conference publications :Nil
	- National	paonomono il til
	- International	
3.	Percentage of faculty contributing in	Percentage of frault
	- Research publications:	Percentage of faculty involved in research
	research publications.	publications: Nil
4.	PhDs	No. registered : Nil
	- Registered	No. submitted: Nil
	- Submitted	No. awarded : Nil
	- Awarded	110. awatucu . IVII
	PhDs guiding /guided:	No. of PhDs guiding :Nil
		No. of PhDs guided: Nil
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5.		
J.	Funded consultancy work	Nil
6.	Incentives for faculty R&D	Nil
7.	MOU's with industries/ R&D/ Premier Institutes	Nil
8.	Established	NIL
9.	Skill development centers established	APSSDC
V. Ir	frastructure and Learning Resources	
		Observations
S.No	Criterion	Observations
1.	teaching learning process	No. of class rooms: 04 No. of tutorial rooms:01 No. of laboratories:02
	Laboratories:	No. of e-Class rooms:00 No. of seminar halls:01
	Seminar halls: Faculty rooms:	No. of faculty rooms: 4
2.	Internet facilities for faculty & Students:	Wi-Fi enabled campus
3.	,	Nil
4.	<ul> <li>Sanctioned amount</li> <li>Amount spent</li> <li>New equipment added</li> <li>Maintenance of equipment and consumables registers in labs</li> </ul>	Amount sanctioned in Rs. 450000 Amount spent in Rs.399435 New equipment added worth Rs.96364 Equipment and maintenance registers are maintained for all the Labs: Yes
5.	Details of computing facilities and software	Total number of Computers: 60 List of Software procured: Nil
6.	Dept News letter / 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	on
	Cuitarian	Observations
S.No 1.	Add-on courses:	List of add-on courses: Nil

2.		
۷.	Student publications: NIL	No. of student publications: Nil
	Dept. student clubs:3	No. of club activities for students: Nil
	r - stadent clubs.5	NO. Of Oldo dolly the a
3.	Data '1 C	1 CDT 1 20
	Details of coaching provided for GATE/	No. of CRT classes:30
	GRE/CRT/any other competitive exams	
1		
4.	Industrial visits and internships	NIL
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VII.	Governance, Leadership and Managemen	t
7	Stance, Beaucismp and Managemen	
· No	Criterion	Observations
1.	Teaching and non-teaching staff attended	No. of teaching staff: Nil
	for skill development programs	No. of Non-Teaching staff: Nil
2.		
۷.	MoUs with premier Institutions f	for NIL
2	knowledge exchange	
3.	Display of Vision, Mission and other	Display of Vision: Yes
	Quality objectives at prominent places	Display of Mission: Yes
	_	Display of PEOs, POs, PSOs and COs. 103
4.	Staff and student attendance monitoring	Generation of Daily, Weekly and Monthly
	system	attendance reports
	-Biometric	attendance reports
	· -Attendance registers	
5.	1	or Nil
	qualification/skill up- gradation:	
6.	Risk evaluation/safety measures:	Maintaining Fire extinguishers at prominent places
		-
VIII S	Strengths, Weaknesses and Areas of Impro	ovement
tron	the.	apposituailies such as research projects,
Streng	the various hards-on-learning	oppositunities such as resulting
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Veakn	lesses: leed to involve more garduate	stidents in research.
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Weaknesses:  1. Need to involve more gerdurate students in research.  2. No space for teaching supposit, students research and technical supposit.  3. lack of technical supposit outside of a labs, tutoring and collaboration.  3. lack of technical supposit outside of a labs, tutoring and collaboration.		
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## INTERNAL QUALITY ASSURANCE CELL

## ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT- TEKKALI

ACADEMIC AUDIT REPORT

Name of the Department: COMPUTER SCIENCE AND ENGINEERING (AI&ML&DS)

Academic Year : 2022-23 I Semester (July to December)

Date of Audit : 25-01-2023

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	21.9%(9/41) – AR20 Annexure-1.2 (course structure) -Three additional experiments are conducted in all Labs	
5.	Evidence of academic flexibility	Nil	
II. F	aculty information and their contribution		
S. No	Criterion	Observations	
1.	Student Teacher ratio	12	
2.	Faculty Cadre ratio	FCR - 00: 02: 04	
3.	Faculty qualifications	2 out of 6 faculty members are doctorates, 00 submitted their thesis, 02 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	
бадс	AFacultycinuprofessional bodies 1 -Faculty contributions	Annexure-2.2 (Memberships and activitions)	

7.	TE	The second secon
	aculty as recourses	Nil
8.	Training activities	i-od/Nil
	International / National level events	Number of events organized:Nil
	-Conferences:Nil	Number of FDPs/Guest Lectures/Seminars
	-Workshops/ Seminars:Nil	organized:1
	-FDPs:1	Annexure-2.3
-		
9.	List of conferences/seminars/ workshops/	1 faculty member attended
	FDP's/ any exclusive programs attended	Annexure-2.4
	for enrichment of teaching - learning	
	process	
III.	Teaching-Learning Process and Evaluation	
S.No	Criterion	Observations
1.	Student performance indices	Lists of students for Detention and Condonation
	Attendance	are maintained.
	Exams	Results analysis is carried out.
		Annexure-3.1
2.	Mechanism and activities for slow	Slow learners are identified based on performance
	learners improvement	in Mid-exams.
3.	Student counseling /mentoring	Conducted Make-up classes for slow learners.  24 students are allotted to each faculty member to
٥.	mechanism	mentor for continuous improvement.
	mediams.	Annexure-3.2 (Allotment and sample file scanned)
4.	Initiatives taken for innovative projects	Nil
5.	Review & Evaluation of Student Projects:	Nil
	- Best projects	
6.	Monitoring of Teaching-Learning Process	- Attendance registers are verified once in a
	- Observation of teaching process in	month.
	classrooms as per schedule	- Compliance of teaching diary with lesson plan
	- Tracking of syllabus coverage	is monitored once in a month.
	- Uploading of lecture notes, question	- Track sheets are maintained to review syllabus
	papers of mid and semester end	- uploading of course material, mid and semester
	examinations in e-learning portal	end question papers in e-Learning Portal
	- Verification of evaluated answer	- All Mid answer scripts are verified
	,	- Mid question papers as per cognitive levels are
	papers - Checking the quality of mid	verified.
	examination question papers	- PPT's, NPTEL video lectures are used,
		- Course files are there for all courses.
	- Innovative teaching methods	Annexure-3.3 (Sample lesson plan, teaching diary,
	presented	sample scanned copy of attendance register with
	- Verification of course files	signs of faculty member, HoD and Principal.
	-Minutes of class committee meetings and	syllabus coverage and number of classes track
	action taken	sheet, minutes of class committee meetings)

4	Student publications: NII.				
		Training programs conducted for students	No. of guest lectures: 03		
	- ]		No. of Add-on courses: NII		
1		- Guest lectures	No. of Seminars/workshops :Nil		
		- Add-on courses			
		- Seminars/workshops	No major deviations are observed		
		- Compliance of department	compliance of department academic calendar.		
		academic calendar	Annexure-3.4		
	8.	MoUs with Industries for internship	2.11		
L		and musicles for internship	Nil		
	9.	Students feedback and follow-up action	Online feedback is taken from the students for all		
		and follow-up action	courses and review is carried out.		
ŀ	10.	Q			
	10.	Scope for Self-learning	Monetary encouragement for certification courses		
		- Certificate courses			
-	11.	- Online courses			
	11.	Result analysis and conduct of remedial	Result analysis is carried out after the results of		
		classes for students with backlogs	semester end examinations and remedial classes		
			are conducted for students with backlogs		
			Annexure-3.5 ( Result analysis for all the 8		
•	10		semesters and details of remedial classes)		
	12.	Placements (%):	Nil		
		Industries / organizations:			
	13.	Higher studies (%):	Nil		
		Institutions:			
	14.	Student development Activities:	No. of technical events in association with student		
		- co-curricular	chapters: NIL		
		<ul> <li>extra-curricular activities</li> </ul>	No. of NSS Activities: 05		
			No. of Innovations and Startups: Nil		
			Annexure-3.6		
	IV. R	esearch, Consultancy and Extension			
	S.No	Criterion	Observations		
	1.	Faculty publications in journals:	No. in peer reviewed journals: Nil		
		Peer reviewed Journals:	No. in Scopus/SCI indexed journals:1		
	_	Thomson Reuters Impact factor Journals:	Annexure-4.1		
1	2.	Publications in conferences:	No. in Conference publications :2		
		- National	Annexure-4.2		
		- International			
	3.	Percentage of faculty contributing in	Percentage of faculty involved in research		
		- Research publications:	publications: 16.3% (1/6)		
	4.	PhDs	No. registered : Nil		
		- Registered	No. submitted: Nil		
		- Submitted	No. awarded: Nil		
		- Awarded			
		PhDs guiding /guided:	No. of PhDs guiding: Nil		
			No. of PhDs guided: Nil		
			5		

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5.	The second secon	
	Funded consultancy work	211
6.		Nil
0.	Incentives for faculty R&D	Nil
7.	MOU's with industries/ R&D/ Premier	Nil
	Institutes	
8.	Research centers of excellence	Nil
,	Established	
9.	Skill development centers established	APSSDC
	•	
V. In	frastructure and Learning Resources	
S.No	Criterion	Observations
1.		No. of class rooms: 05
1.	Infrastructural facilities to improve the teaching learning process	No. of tutorial rooms:00
	Class rooms:	No. of laboratories:02
	Laboratories:	No. of e-Class rooms:00
	e- class rooms:	No. of seminar halls:01
	Seminar halls:	No. of faculty rooms: 05
		140. Of faculty recines
	Faculty rooms:	vv' D' 11-1 compus
2.	Internet facilities for faculty & Students:	Wi-Fi enabled campus
3.	Technical & administrative staff support	Nil
4.	Department budget	Amount sanctioned in Rs.: 450000
	Garatia and James and	Amount spent in Rs.: 399435
	- Amount spent	Now equipment added Worth KS: 90304
	- New equipment added	Equipment and maintenance registers are
1	- Maintenance of equipment and	maintained for all the Labs: Yes
	consumables registers in labs	
-	Details of computing facilities and software	Total number of Computers: 60
5.	Details of computing facilities and software	List of Software procured: Nil
6.	Dept News letter / 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
	udent information, Support and Progressio	on .
VI. St		
S.No	Criterion	Observations
		1 : 1 - 1 - 1 - 1 N   : 1
1.	Add-on courses:	List of add-on courses: Nil

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	Student publications: NIL Dept. student clubs:Nil	No. of student publications: Nil No. of club activities for students: Nil
3.	Details of coaching provided for GATE/	No. of CRT classes:30
4.	GRE/CRT/any other competitive exams  Industrial visits and internships	NIL
VII.	Governance, Leadership and Management	
S. No		
1.	Criterion	Observations
2.	Teaching and non-teaching staff attended for skill development programs  MoUs with premier Institutions of	No. of teaching staff: Nil No. of Non-Teaching staff: Nil
3.	knowledge exchange	DINIL
	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.	Dinon : 1	Nii
6.	Risk evaluation/safety measures:	Maintaining Fire extinguishers at prominent places
VIII St	trengths, Weaknesses and Areas of Improve	ement
Ext	ong intrastructure offerstudents and place advanced technologies.	damental and Advanced concepts
Weakne	dente deceive Academic Awa 1980s:	irds, scholarships to reagnize their
1. 10	Slale and Nakonal level goan	peoposals. Le d calaba, "lubaring and collaboration
3. No	Modern Laborites for now i	involvation and implement new ideal
Suggestion 1. Erco	one for improvement.	methodologies for innovation teaching
g. Ence	ourge the collaboration and good believ Research.  partment Coordinators  Sig. of Aca	communication among faculty member
	/	ademic Auditors  1. for the second se
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Head, Dept. of CSM & CSD Aditya Institute of A Technology & Management Tekkali-532 201,(A.P)

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