

ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT (AUTONOMOUS)
*Approved by AICTE, Accredited by NBA & NAAC, Recognised under 2(f)12(b) of UGC,
Permanently Affiliated to JNTUGV, Vizianagaram.
K.Kotturu, Tekkali, Srikakulam-532201, Andhra Pradesh*

Academic Regulations for M.Tech
(Effective for the students admitted into first year from academic year 2026-2027)

The M.Tech Degree of the Aditya Institute of Technology and Management (Autonomous), Tekkali shall be conferred on candidates who are admitted to the program and fulfill all the requirements for the award of the Degree.

1.0 ELIGIBILITY FOR ADMISSIONS:

Admission to the above program shall be made subject to the eligibility, qualifications and specialization prescribed by the University from time to time. Admissions shall be made on the basis of merit / rank obtained by the qualifying candidate in GATE / PG CET, subject to reservations prescribed by the Govt. of AP from time to time.

2.0 AWARD OF M.Tech DEGREE:

A student shall be declared eligible for award of the M.Tech degree, if he/she pursues a course of study and completes it successfully in not less than two academic years and not more than four academic years.

A student, who fails to fulfill all the academic requirements for the award of the degree within four academic years from the year of his/her admission, shall forfeit his/her seat in M.Tech course.

The student shall register for all 77 credits and secure all the 77 credits.

3.0 ATTENDANCE:

The minimum instruction for each semester 90 clear instruction days.

A candidate shall be deemed to have eligibility to write End Semester examinations if he/she has put in a minimum of 75% of attendance in aggregate of all the subjects.

Condonation of shortage of attendance up to 10% (65% and above, and below 75%) may be given by the College academic committee.

Condonation of shortage of attendance shall be granted only on genuine and valid reasons on representations by the candidate with supporting evidence.

Shortage of attendance below 65% shall in NO case be condoned.

A candidate shall not be promoted to the next semester unless he/she fulfills the attendance requirements of the present semester.

A stipulated fee shall be payable towards condonation of shortage of attendance.

4.0 COURSE OF STUDY:

The following specializations are offered at present for the M.Tech course of study.

1	VLSI System Design
2	Power Systems and Power Electronics
3	Computer Science and Engineering
4	Computer Science and Engineering (Artificial Intelligence and Machine Learning)
5	Structural Engineering
6	Computer Integrated Manufacturing

A standard academic format common for all PG programmes describing numbers of credits, weightage for lecture, laboratories work and projects have been fixed considering the scope of study. The PG course is spread over two years in four semesters and inclusion of Internship, audit course, Comprehensive Viva, Technical Seminar and Dissertation are the special features of this curriculum.

The students are asked to learn IPR/ research methodology to understand the importance and process of creation of patents through research. The introduction of One Audit course covering subjects of developing desired attitude among the Learners is on the line of initiatives such as English for research paper writing, Disaster management, and Constitution of India.

The dissertation/major project work of PG programme of one-year duration is given strong weightage in the curriculum. It is expected to undertake industrially relevant problem to develop an optimal solution through extensive research work. The students and faculty can design the research project in consultation with industry preferably in the region.

5.0 EVALUATION:

The performance of the candidate in each semester shall be evaluated subject-wise with a maximum of 100 marks.

A candidate shall be deemed to have secured the academic requirement in a course if he/she secures a minimum of 40% of marks in the end semester examination and a minimum aggregate of 50% of the total marks in the End Semester Examination and Internal Evaluation taken together.

In case the candidate does not secure the minimum academic requirement in any course he/she has to reappear for the supplementary examination in that subject in the next academic year.

5.1. For Theory Courses, 40 marks shall be for internal evaluation and 60 marks for end semester examination.

Out of 40 internal marks 30 marks are assigned for midterm exam, 5 marks for assignments and 5 marks for seminars.

Each midterm examination shall be conducted for a duration of 120 minutes and contains five descriptive questions (without choice), each question for 10 marks, and it will be scaled down to 30 marks.

Weightage of Marks					
	No. of questions	I MID		No. of questions	II MID
I Unit	2	20 Marks	III Unit	1	10 Marks
II Unit	2	20 Marks	IV Unit	2	20 Marks
III Unit	1	10 Marks	V Unit	2	20 Marks

The first midterm examination will be conducted usually after completion of 50% syllabus (i.e. first 2.5 Units), and the second midterm examination will be conducted usually at the end of instructions (after completion of remaining 50% syllabus i.e. remaining 2.5 Units).

Internal marks can be calculated with 80% Weightage for better of the two midterm exams and 20% weightage for another midterm exam.

The end semester examinations (60 marks) shall be conducted for a duration of 180 minutes and contains five descriptive questions, each question for 12 marks. Each of these questions may contain sub-questions. For each question there will be an “either” “or” choice, which means that there will be two questions from each unit and the student should answer either of the two questions.

5.2. For course Research Methodology & IPR, the pattern of midterm and end examinations is similar to regular theory courses and the valuation is purely internal.

5.3. Audit course is a compulsory course and does not carry any credits and no semester end examination.

5.4. For laboratory courses, 40 marks shall be for internal evaluation and 60 marks for end semester examination.

Out of 40 internal marks 20 marks are assigned based on day-to-day evaluation and 20 are assigned based on the internal test. The end examination shall be conducted by the teacher concerned and an external examiner.

5.5. For Internship/Industrial training, 40 marks shall be for internal evaluation and 60 marks for end semester examination.

All the students shall undergo Internship/Industrial training for a minimum period of 8 weeks after II Semester.

Self-study report for the Internship/Industrial training after the II Semester shall be submitted and evaluated during the III Semester.

Internal evaluation for 40 marks shall be done by internship/training supervisor in industry based on day to day observation.

The semester-end examination (Viva-Voce) shall be conducted by the committee, consisting of an External examiner, Head of the department and Internal supervisor of the Internship/Industrial training.

5.6. For Technical Seminar there will be only internal evaluation for **100** marks. A candidate has to secure a minimum of **50%** marks to be declared successful. For evaluation the candidate has to collect literature on a topic, prepare the document, submit it to the Department in a report form and shall make an oral presentation before the Departmental Committee. The Departmental Committee consists of Head of the Department and two other senior faculty members from the department.

6.0 EVALUATION OF DISSERTATION Phase – I/DISSERTATION Phase – II WORK:

Every candidate shall be required to submit thesis or dissertation after taking up a topic approved by the Dissertation Review Committee.

A DISSERTATION Review Committee (DRC) shall be constituted with Principal as chair Person, Head of the department, Supervisor and one senior faculty member of the concerned department.

Registration of DISSERTATION: A candidate is permitted to register for the Dissertation after satisfying the attendance requirement of all the subjects (theory and practical subjects) in Second semester. After satisfying, a candidate has to submit, in consultation with his supervisor, the title, objective and plan of action of his dissertation work to the Dissertation Review Committee for its approval. After obtaining the approval of the Committee the student can initiate the dissertation work after the second semester end examinations.

Every candidate shall work on dissertation approved by the DRC of the Department.

If a candidate wishes to change his supervisor or topic of the dissertation, he/she can do so with approval of the DRC. However, the Dissertation Review Committee (DRC) shall examine whether the change of topic/supervisor leads to a major change of his/her initial plans of project proposal. If so, his/her date of registration for the dissertation work starts from the date of change of Supervisor or topic as the case may be.

A candidate shall submit status report in two stages at least with a gap of 3 months between them.

The work on the dissertation shall be initiated in the beginning of the III semester and the duration of the dissertation is for two semesters. The candidate shall identify the problem, Literature survey, design/modeling part of the problem i.e. almost 35% of his dissertation work should be completed in the III semester itself and it will be evaluated by DRC as Dissertation Phase – I. If the candidate fails to get the satisfactory report, he has to re-register for the dissertation work.

A candidate shall be allowed to submit the dissertation report only after fulfilling the attendance requirements of all the semesters with approval of DRC and not earlier than 40 weeks from the date of registration of the dissertation work. For the approval of DRC the

candidate shall submit the draft copy of dissertation to the Principal (through Head of the Department) and shall make an oral presentation before the DRC.

The Candidate may be permitted to submit the Dissertation Report, if only the student pass in all subjects and work is Published/Accepted to be published in a Journal / International conference of repute and relevance.

Three copies of the Dissertation Report certified by the Supervisor shall be submitted to the College.

The Dissertation shall be adjudicated by external examiner from outside the college.

The viva-voce examination shall be conducted by a board consisting of the Supervisor, Head of the Department and the examiner outside the college.

The Board shall jointly report candidates work as:

- A. Excellent
- B. Good
- C. Satisfactory
- D. Unsatisfactory

Head of the Department shall coordinate and make arrangements for the conduct of viva-voce examination. If the report of the viva-voce is unsatisfactory, the candidate will retake the viva-voce examination after three months. If he fails to get a satisfactory report at the second viva-voce examination, the candidate may be asked to submit a new Dissertation proposal to DRC.

7.0 ACADEMIC REQUIREMENTS:

Conditions for pass and award of credits for a course:

A candidate shall be declared to have passed the individual course if he/she secures not less than **40%** of marks in the end examination (in fraction rounded to lower digit) and a minimum of **50%** of marks in the sum total of the mid semester and end examination marks taken together.

On passing a course of a program, the student shall earn assigned credits in that Course.

Method of Awarding Letter Grades and Grade Points for a Course:

A letter grade and grade points will be awarded to a student in all courses having credits, based on his/her performance as per the grading system given below.

Marks Range	Level	Letter Grade	Grade Points
$\geq 90\%$	Outstanding	O	10
≥ 80 to $<90\%$	Excellent	A+	9
≥ 70 to $<80\%$	Very Good	A	8
≥ 60 to $<70\%$	Good	B+	7
≥ 50 to $<60\%$	Above Average	B	6
$< 50\%$	Fail	F	0
Absent	Absent	Ab	0

Calculation of Semester Grade Points Average (SGPA):

The performance of each student at the end of each semester is indicated in terms of SGPA.

The SGPA is calculated as below:

$$\text{SGPA} = \frac{\sum(\text{CR} \times \text{GP})}{\sum \text{CR}} \quad (\text{for all courses passed in a semester})$$

Where CR = Credits of a Course

GP = Grade points awarded for a course

Calculation of Cumulative Grade Points Average (CGPA):

The CGPA is calculated as below:

$$\text{CGPA} = \frac{\sum(\text{CR} \times \text{GP})}{\sum \text{CR}} \quad (\text{for the entire program})$$

Where CR = Credits of a course

GP = Grade points awarded for a course

Both SGPA and CGPA shall be rounded off to 2 decimal points and reported in the transcripts.

Award of Class:

Class Awarded	CGPA to be secured	Remarks
First Class with Distinction	≥ 7.75	From the CGPA secured from 77 Credits
First Class	≥ 6.75 to <7.75	
Second Class	≥ 6.0 to < 6.75	

A student with final CGPA (at the end of the PGP) < 6.00 shall not be eligible for the Award of Degree

CGPA to Percentage Conversion Formula: $(\text{CGPA} - 0.5) \times 10$

10.0 WITH-HOLDING OF RESULTS:

If the candidate has not paid any dues to the college or if any case of indiscipline is pending against him / her, the result of the candidate will be withheld and he/she will not be allowed into the next higher semester. The issue of the degree is liable to be withheld in such cases.

11.0 TRANSITORY REGULATIONS:

Discontinued or detained candidates are eligible for readmission (within the duration as mentioned in item 2) and when next offered.

The readmitted students will be governed by the regulations under which the candidate has been admitted.

12.0 SUPPLEMENTARY EXAMINATIONS:

Supplementary examinations will be conducted along with the subsequent batches regular examinations.

12.0 GENERAL:

The academic regulations should be read as a whole for purpose of any Interpretation.

In case of any doubt or ambiguity in the interpretation of the above rules, the decision of the Principal is final.

The Institute may change or amend the academic regulations and syllabus at any time and the changes and amendments made shall be applicable to all the students with effect from the date notified by the college.

Wherever the word he, him or his occur, it will also include she, her and hers.

DISCIPLINARY ACTION FOR MALPRACTICES / IMPROPER CONDUCT IN EXAMINATIONS

	Nature of Malpractices/Improper conduct	Punishment
1	If the student possesses or keeps accessible in examination hall, any paper, note book, programmable calculators, cell phones, pager, palm computers or any other form of material concerned with or related to the subject of the examination (theory or practical) in which he is appearing but has not made use of (material shall include any marks on the body of the student which can be used as an aid in the subject of the examination)	Expulsion from the examination hall and cancellation of the performance in that subject only.
	If the student gives assistance or guidance or receives it from any other student orally or by any other body language methods or communicates through cell phone with any student or students in or outside the exam hall with respect to any matter	Expulsion from the examination hall and cancellation of the performance in that subject only. In case of an outsider, he will be handed over to the police and a case is registered against him.
2	If the student has copied in the examination hall from any paper, book, programmable calculators, palm computers or any other form of material relevant to the subject of the examination (theory or practical) in which the student is appearing	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the student has already appeared including practical examinations and project work and shall not be permitted to appear for the remaining examinations of the subjects of that semester/year.
3	If the student impersonates any other student in connection with the examination	The student who has impersonated shall be expelled from examination hall. The student is also debarred and forfeits the seat. The performance of the original student, who has been impersonated, shall be cancelled in all the subjects of the examination (including practical's and project work) already appeared and shall not be allowed to appear for examinations of the remaining subjects of that semester/year. The student is also debarred for two consecutive semesters from class work and all semester-end examinations. The continuation of the course by the student is subject to the academic regulations in connection with forfeiture of the seat. If the imposter is an outsider, he will be handed over to the police and a case is registered against him.
4	If the student smuggles the answer book or additional sheet or takes out or arranges to send out the question paper or answer book or additional sheet during or after the examination	Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the student has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The student is also debarred for two consecutive semesters from class work and all semester-end examinations. The continuation of the course by the student is subject to the academic regulations in connection with forfeiture of the seat.
5	If the student uses objectionable, abusive or offensive language in the answer script or in letters to the examiners or writes to the examiner requesting him to award pass marks	Cancellation of the performance in that subject.

6	If the student refuses to obey the orders of the Chief Superintendent/Assistant -Superintendent / any officer on duty or misbehaves or creates disturbance of any kind in and around the examination hall or organizes a walkout or instigates others to walk out or threatens the officer-in charge or any person on duty in or outside the examination hall or causes any injury to any of his relatives either by words spoken or written or by signs or by visible representation, assaults the officer-in-charge or any person on duty in or outside the examination hall or any of his relatives, or indulges in any other act of misconduct or mischief which results in damage or destruction of property in the examination hall or any part of the college campus or engages in any other act which in the opinion of the officer on duty amounts to use of unfair means or misconduct or has the tendency to disrupt the orderly conduct of the examination	In case of students of the college, they shall be expelled from examination hall and cancellation of their performance in that subject and all other subjects the candidate(s) has (have) already appeared and shall not be permitted to appear for the remaining examinations of the subjects of that semester/year. The students also are debarred and forfeit their seats. In case of outsiders, they will be handed over to the police and a police case is registered against them.
7	If the student leaves the exam hall taking away answer script or intentionally tears off the script or any part thereof inside or outside the examination hall	Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the student has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The student is also debarred for two consecutive semesters from class work and all university examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of the seat.
8	If the student possesses any lethal weapon or firearm in the examination hall	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the student has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The student is also debarred and forfeits the seat.
9	If student of the college, who is not a candidate for the particular examination or any person not connected with the college indulges in any malpractice or improper conduct mentioned in clauses 6, 7, 8	In case of student of the college, expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the student has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred and forfeits the seat. Person(s) who do not belong to the college will be handed over to police and. a police case will be registered against them.
10	If the student comes in a drunken condition to the examination hall	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the student has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year.
11	Copying detected on the basis of internal evidence, such as, during valuation or during special scrutiny	Cancellation of the performance in that subject and all other subjects the student has

		already appeared including practical examinations and project work of that semester/year examinations.
12	If any malpractice is detected which is not covered in the above clauses 1 to 11 shall be reported to the Chief Superintendent for further action to award a suitable punishment.	

Ragging

Ragging is prohibited under the following Acts

Supreme Court in SLP No. 24295 of 2006 dt. 16-05-2007
High Court Judgement dt. 11-09-1997 in W.P.No. 26132/96
Act 26 of A.P. Legislative Assembly dt. 19-08-1997
Indian Parliament Notice dt. 26-07-2008
as per AICTE Notice dt. 01-07-2009
as per UGC Notice dt. 22-10-2009

Ragging within or outside any educational institution is Prohibited.

Ragging means doing an act which causes or is likely to cause Insult
or Annoyance or Fear or Apprehension or Threat or Intimidation
or outrage of modesty or Injury to a student.

	Imprisonment upto		Fine upto
Teasing Embarrassing and Humiliation	6 Months 	+	Rs.1000/-
Assaulting or using criminal force or criminal intimidation	1 Year 	+	Rs.2000/-
Wrongfully restraining or confining or causing hurt	2 Years 	+	Rs.5000/-
Causing grievous hurt, kidnaping or rape or committing unnatural offence	5 Years 	+	Rs.10,000/-
Causing death or abetting suicide	10 Years 	+	Rs.50,000/-