

# NATIONAL BOARD OF ACCREDITATION


## Pro-forma for Evaluation of Compliance Report for Tier II institutions

### Profile of the Institute

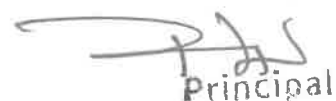
1. Name of the College: ATRIA INSTITUTE OF TECHNOLOGY
2. Name of the program: B.E. in Mechanical Engineering
3. Current Accreditation period for which the compliance report is being submitted from Aug 2021-22 to Aug 2025-26

### Compliance Status – PART A

S.No.	Parameters	Minimum Requirement	Calculations	Remarks of the Evaluator (to be left blank)																				
1.	Attach the copy of the AICTE approval for the Current Academic Year	YES	Attached																					
2.	Attach the copy of University Affiliations for the Current academic Year (If Applicable)	YES	Attached																					
3.	Admissions at the program level average for the previous three academic years (including actual admission through lateral entry) for CAYm1, CAYm2 and CAYm3..		<p>% Admissions at first year level = (Students Admitted (including lateral entry)/ Total Students Intake) X 100</p> <table><tr><th>Year</th><th>Sanctioned Intake</th><th>Admitted</th><th>% Admission</th></tr><tr><td>2023-24</td><td>60</td><td>16+20=36</td><td>60</td></tr><tr><td>2022-23</td><td>60</td><td>10+6=16</td><td>27</td></tr><tr><td>2021-22</td><td>120</td><td>9+5=14</td><td>12</td></tr><tr><td colspan="4">Average = 33</td></tr></table>	Year	Sanctioned Intake	Admitted	% Admission	2023-24	60	16+20=36	60	2022-23	60	10+6=16	27	2021-22	120	9+5=14	12	Average = 33				
Year	Sanctioned Intake	Admitted	% Admission																					
2023-24	60	16+20=36	60																					
2022-23	60	10+6=16	27																					
2021-22	120	9+5=14	12																					
Average = 33																								

  
**Principal**  
Atria Institute of Technology  
Anandanagar, Bengaluru-24

4. Faculty Details of the Department (UG+PG):								
S.N.	Designation	CAYm1 2023-24			CAY 2024-25			Remarks of the Evaluator (to be left blank)
		With PhD.		With out PhD	With PhD.		With out PhD	
		Regular	Contractual		Regular	Contractual		
4a.	Professors	3	-	-	4	-	-	
4b.	Associate Professors	-	-	-	1	-	-	
4c.	Assistant Professors	14	-	10	8	-	3	
4d.	Total number of Faculty in the Department (UG+PG)	17	-	10	13	-	3	
5. SFR Calculations								
S. N	Parameter	Calculations	Minim um Requi rement	Academic Year			Remarks of the Evaluator (to be left blank)	
				CAYm2 2022- 23	CAYm1 2023- 24	CAY 2024- 25		
5a.	Total number of sanctioned intake at UG + Actual admitted lateral entry students + PG level for the previous three academic years including the current academic year	* Total No. of Students in the Department (S)	-	(120+5) + (120+11) + (120+3) = 379	66 + 125 + 130 = 321	(60+6) + (66+6) + (120+5) = 257		
* Students of all UG Programs from 2 <sup>nd</sup> years onwards								
5b.	The student faculty ratio (SFR) in the department averaged for previous three academic years including the current academic year.	SFR = S/F,  Where S= Total number of students in the dept. and F= total number of faculty in the dept.	1:25	379 / 19	321 / 17	257 / 13		
				19.94	18.88	19.76		
				Average = 19.52				

  
Principal

Atrla Institute of Technology  
Anandanagar, Bengaluru-29

S.N	Parameters	Calculations	Prior to the Visit	After the visit	Remarks of the Evaluator (To be Left Bank)																														
6	Improvement in success rate without backlog for past three batches	$SI = \frac{\text{(Number of students who have graduated from the program without backlog)}}{\text{(Number of students admitted in the first year of that batch and admitted in 2nd year via lateral entry and separate division, if applicable)}}$ Average. Average SI = mean of Success Index (SI) for past three batches	<table><thead><tr><th>CAY m2 (2017-21)</th><th>CAY m1 (2016-20)</th><th>CAY m (2015-19)</th></tr></thead><tbody><tr><td>139</td><td>133</td><td>95</td></tr><tr><td>7</td><td>5</td><td>6</td></tr><tr><td>0.05</td><td>0.03</td><td>0.06</td></tr><tr><td colspan="3">Average = 0.05</td></tr></tbody></table>	CAY m2 (2017-21)	CAY m1 (2016-20)	CAY m (2015-19)	139	133	95	7	5	6	0.05	0.03	0.06	Average = 0.05			<table><thead><tr><th>CAYm2 (2018 -22)</th><th>CAYm1 (2019 -23)</th><th>CAYm (2020 -24)</th></tr></thead><tbody><tr><td>71</td><td>46</td><td>57</td></tr><tr><td>5</td><td>6</td><td>5</td></tr><tr><td>0.07</td><td>0.13</td><td>0.08</td></tr><tr><td colspan="3">Average = 0.09</td></tr></tbody></table>	CAYm2 (2018 -22)	CAYm1 (2019 -23)	CAYm (2020 -24)	71	46	57	5	6	5	0.07	0.13	0.08	Average = 0.09			
CAY m2 (2017-21)	CAY m1 (2016-20)	CAY m (2015-19)																																	
139	133	95																																	
7	5	6																																	
0.05	0.03	0.06																																	
Average = 0.05																																			
CAYm2 (2018 -22)	CAYm1 (2019 -23)	CAYm (2020 -24)																																	
71	46	57																																	
5	6	5																																	
0.07	0.13	0.08																																	
Average = 0.09																																			
7	Improvement in success rate with backlog for past three batches	$SI = \frac{\text{(Number of students who graduated from the program in the stipulated period of course duration)}}{\text{(Number of students admitted in the first year of that batch and admitted in 2nd year via lateral entry and separate division, if applicable)}}$ Average. Average SI = mean of Success Index (SI) for past three batches	<table><thead><tr><th>CAYm2 (2017-21)</th><th>CAYm1 (2016-20)</th><th>CAYm (2015-19)</th></tr></thead><tbody><tr><td>139</td><td>133</td><td>95</td></tr><tr><td>63</td><td>81</td><td>49</td></tr><tr><td>0.453</td><td>0.609</td><td>0.517</td></tr><tr><td colspan="3">Average = 0.52</td></tr></tbody></table>	CAYm2 (2017-21)	CAYm1 (2016-20)	CAYm (2015-19)	139	133	95	63	81	49	0.453	0.609	0.517	Average = 0.52			<table><thead><tr><th>CAYm2 (2018 -22)</th><th>CAYm1 (2019-23)</th><th>CAYm (2020-24)</th></tr></thead><tbody><tr><td>71</td><td>46</td><td>57</td></tr><tr><td>35</td><td>18</td><td>25</td></tr><tr><td>0.49</td><td>0.4</td><td>0.43</td></tr><tr><td colspan="3">Average = 0.44</td></tr></tbody></table>	CAYm2 (2018 -22)	CAYm1 (2019-23)	CAYm (2020-24)	71	46	57	35	18	25	0.49	0.4	0.43	Average = 0.44			
CAYm2 (2017-21)	CAYm1 (2016-20)	CAYm (2015-19)																																	
139	133	95																																	
63	81	49																																	
0.453	0.609	0.517																																	
Average = 0.52																																			
CAYm2 (2018 -22)	CAYm1 (2019-23)	CAYm (2020-24)																																	
71	46	57																																	
35	18	25																																	
0.49	0.4	0.43																																	
Average = 0.44																																			



**Principal**  
 Atrla Institute of Technology  
 Anandanagar, Bengaluru-24



S.N.	Parameters	Calculations	Prior to the Visit	After the visit	Remarks of the Evaluator OR (to be left blank)																																				
8	Improvement In academic performance for the previous three years  in Academic Performance for the previous three years	<p><i>Academic Performance = Average API (Academic Performance Index)</i> <i>API = ((Mean of 2nd Year Grade Point Average of all successful Students on a 10 point scale) or (Mean of the percentage of marks of all successful students in Second Year/10))</i> <i>X (number of successful students/number of students appeared in the examination). Successful Students are those who are permitted to proceed to the Third year.</i></p>	<table><tr><th>CAYm2 (2018-19)</th><th>CAYm1 (2019-20)</th><th>CAY (2020-21)</th></tr><tr><td>6.94</td><td>7.62</td><td>6.45</td></tr><tr><td>60</td><td>50</td><td>13</td></tr><tr><td>78</td><td>61</td><td>39</td></tr><tr><td>2.17</td><td>6.24</td><td>2.17</td></tr><tr><td colspan="3">Average = 4.57</td></tr></table>	CAYm2 (2018-19)	CAYm1 (2019-20)	CAY (2020-21)	6.94	7.62	6.45	60	50	13	78	61	39	2.17	6.24	2.17	Average = 4.57			<table><tr><th>CAYm2 (2021-22)</th><th>CAYm1 (2022-23)</th><th>CAY (2023-24)</th></tr><tr><td>5.24</td><td>6.43</td><td>6.92</td></tr><tr><td>50</td><td>16</td><td>18</td></tr><tr><td>51</td><td>16</td><td>19</td></tr><tr><td>5.13</td><td>6.43</td><td>6.55</td></tr><tr><td colspan="3">Average = 6.03</td></tr></table>	CAYm2 (2021-22)	CAYm1 (2022-23)	CAY (2023-24)	5.24	6.43	6.92	50	16	18	51	16	19	5.13	6.43	6.55	Average = 6.03			
CAYm2 (2018-19)	CAYm1 (2019-20)	CAY (2020-21)																																							
6.94	7.62	6.45																																							
60	50	13																																							
78	61	39																																							
2.17	6.24	2.17																																							
Average = 4.57																																									
CAYm2 (2021-22)	CAYm1 (2022-23)	CAY (2023-24)																																							
5.24	6.43	6.92																																							
50	16	18																																							
51	16	19																																							
5.13	6.43	6.55																																							
Average = 6.03																																									
9	The Placement +Higher Studies+ Entrepreneurship ratio averaged for previous three academic years.		<p>The Placement +Higher Studies+ Entrepreneurship Ratio = Z/N Where, Z = No. of students Placed + No. of students admitted for higher studies with valid qualifying scores in GATE or equivalent State or National Level Tests, GRE, GMAT + opted Entrepreneurship N= No. of Students appeared in final year examination For the Academic years:</p> <table><tr><th></th><th>CAYm3 (2021-22)</th><th>CAYm2 (2022-23)</th><th>CAYm1 (2023-24)</th></tr><tr><td>Total No. Final Year Students</td><td>70</td><td>46</td><td>52</td></tr><tr><td>No. of students Placed</td><td>37</td><td>29</td><td>33</td></tr><tr><td>No. of students admitted for higher studies</td><td>5</td><td>5</td><td>2</td></tr><tr><td>Entrepreneurship</td><td>1</td><td>3</td><td>1</td></tr><tr><td>Ratio</td><td>43/70= 0.614</td><td>37/46= 0.804</td><td>36/52= 0.692</td></tr><tr><td colspan="4">Average = 0.703</td></tr></table>			CAYm3 (2021-22)	CAYm2 (2022-23)	CAYm1 (2023-24)	Total No. Final Year Students	70	46	52	No. of students Placed	37	29	33	No. of students admitted for higher studies	5	5	2	Entrepreneurship	1	3	1	Ratio	43/70= 0.614	37/46= 0.804	36/52= 0.692	Average = 0.703												
	CAYm3 (2021-22)	CAYm2 (2022-23)	CAYm1 (2023-24)																																						
Total No. Final Year Students	70	46	52																																						
No. of students Placed	37	29	33																																						
No. of students admitted for higher studies	5	5	2																																						
Entrepreneurship	1	3	1																																						
Ratio	43/70= 0.614	37/46= 0.804	36/52= 0.692																																						
Average = 0.703																																									

  
Principal

Atria Institute of Technology  
Anandanagar, Bengaluru-24

### Compliance status – PART B (Faculty Research and Development)

S. N.	Criteria	Prior to the Accreditation Visit			After the Accreditation Visit			Remarks of the Evaluator (to be left Blank)																																								
1	Improvement in the number of Faculty Development program (FDP)	<table><tr><td>CAYm3 (2018 -19)</td><td>CAYm2 (2019 -20)</td><td>CAYm1 (2020 -21)</td></tr><tr><td>48</td><td>35</td><td>39</td></tr><tr><td colspan="3">Total : 122</td></tr></table>			CAYm3 (2018 -19)	CAYm2 (2019 -20)	CAYm1 (2020 -21)	48	35	39	Total : 122			<table><tr><td>CAYm3 (2021 -22)</td><td>CAYm2 (2022 -23)</td><td>CAYm1 (2023 -24)</td></tr><tr><td>95</td><td>160</td><td>165</td></tr><tr><td colspan="3">Total : 420</td></tr></table>			CAYm3 (2021 -22)	CAYm2 (2022 -23)	CAYm1 (2023 -24)	95	160	165	Total : 420																									
CAYm3 (2018 -19)	CAYm2 (2019 -20)	CAYm1 (2020 -21)																																														
48	35	39																																														
Total : 122																																																
CAYm3 (2021 -22)	CAYm2 (2022 -23)	CAYm1 (2023 -24)																																														
95	160	165																																														
Total : 420																																																
2	Improvement in the number of Publications	<table><tr><td>CAYm3 (2018 -19)</td><td>CAYm2 (2019 -20)</td><td>CAYm1 (2020 -21)</td></tr><tr><td>4</td><td>1</td><td>5</td></tr><tr><td colspan="3">Total :10</td></tr></table>			CAYm3 (2018 -19)	CAYm2 (2019 -20)	CAYm1 (2020 -21)	4	1	5	Total :10			<table><tr><td>CAYm3 (2022 -23)</td><td>CAYm2 (2023 -24)</td><td>CAYm1 (2024 -25)</td></tr><tr><td>4</td><td>13</td><td>13</td></tr><tr><td colspan="3">Total : 30</td></tr></table>			CAYm3 (2022 -23)	CAYm2 (2023 -24)	CAYm1 (2024 -25)	4	13	13	Total : 30																									
CAYm3 (2018 -19)	CAYm2 (2019 -20)	CAYm1 (2020 -21)																																														
4	1	5																																														
Total :10																																																
CAYm3 (2022 -23)	CAYm2 (2023 -24)	CAYm1 (2024 -25)																																														
4	13	13																																														
Total : 30																																																
3	Quality of Publications	<table><tr><th colspan="2">a. No. of papers in</th></tr><tr><td>Non-SCI</td><td>-</td></tr><tr><td>SCI/ESCI</td><td>2</td></tr><tr><td>Scopus</td><td>7</td></tr><tr><td>IEEE conference /IET Conferences</td><td>-</td></tr><tr><td>Books</td><td>-</td></tr><tr><td>Book's chapter</td><td>1</td></tr><tr><td>Non-Indexed Journal</td><td>-</td></tr><tr><th colspan="2">b. Patent/ copyrights</th></tr><tr><td colspan="2">Total :10</td></tr></table>			a. No. of papers in		Non-SCI	-	SCI/ESCI	2	Scopus	7	IEEE conference /IET Conferences	-	Books	-	Book's chapter	1	Non-Indexed Journal	-	b. Patent/ copyrights		Total :10		<table><tr><th colspan="2">a. No. of papers in</th></tr><tr><td>Non-SCI</td><td>-</td></tr><tr><td>SCI/ESCI</td><td>9</td></tr><tr><td>Scopus</td><td>15</td></tr><tr><td>IEEE conference /IET Conferences</td><td>-</td></tr><tr><td>Books</td><td>2</td></tr><tr><td>Book's chapter</td><td>4</td></tr><tr><td>Non-Indexed Journal</td><td>-</td></tr><tr><th colspan="2">b. Patent/ copyrights</th></tr><tr><td colspan="2">Total :30</td></tr></table>			a. No. of papers in		Non-SCI	-	SCI/ESCI	9	Scopus	15	IEEE conference /IET Conferences	-	Books	2	Book's chapter	4	Non-Indexed Journal	-	b. Patent/ copyrights		Total :30		
a. No. of papers in																																																
Non-SCI	-																																															
SCI/ESCI	2																																															
Scopus	7																																															
IEEE conference /IET Conferences	-																																															
Books	-																																															
Book's chapter	1																																															
Non-Indexed Journal	-																																															
b. Patent/ copyrights																																																
Total :10																																																
a. No. of papers in																																																
Non-SCI	-																																															
SCI/ESCI	9																																															
Scopus	15																																															
IEEE conference /IET Conferences	-																																															
Books	2																																															
Book's chapter	4																																															
Non-Indexed Journal	-																																															
b. Patent/ copyrights																																																
Total :30																																																
4	Amount of funded research received	33,000			46,18,013																																											
5	Amount of funded consultancy	4,99,000			18,86,496																																											
6	Number of PhD. Produced	-			5																																											
7	Number of PhD. Pursuing	3			03																																											

  
**Principal**  
 Atrla Institute of Technology  
 Anandanagar, Bengaluru-24

**Compliance status – PART C (Overall Compliance)**

S.N.	Parameter	Criteria	Observations	Remarks of the Evaluator (to be left blank)
<b>Criterion – 01</b>				
1	1.4	State the process for defining the Vision and Mission of the Department, and PEOs of the program	Description of the process available but limited implementation	
2	1.5	Establish consistency of PEOs with Mission of the Department	Matrix available but inadequate justification	
<b>Criterion – 02</b>				
3	2.1.2	State the delivery details of the content beyond the syllabus for the attainment of POs & PSOs	No effective Communication with university available. Limited delivery details and mapping	
4	2.2.1	Describe the Process followed to improve quality of Teaching Learning	Weak continuous assessment	
5	2.2.2	Quality of internal semester question papers, assignments and evaluation	Assignment Evaluation limited	
6	2.2.4	Initiatives related to industry interaction	No industry supported labs. Inadequate involvement of Industry	
7	2.2.5	Initiatives related to Industry internship /summer training	No impact analysis of industry training.	

**Principal**Atria Institute of Technology  
Anandanagar, Bengaluru-24

Criterion – 03				
8	3.1.1	Course Outcomes	CO statements Needs improvement	
9	3.1.2	CO-PO/PSOs matrices of courses selected in 3.1.1 (six matrices)	Weak explanation	
10	3.2.3	Program level Course - PO/PSOs matrix of ALL courses including	Weak explanation	
Criterion – 04				
11	4.1	Enrolment Ratio	Nil	
12	4.2.1	Success rate without backlogs in any Semester/year of study Without Backlog means no compartment or failures in any semester/year of study	Very poor. Needs Significant improvement	
13	4.2.2	Success rate with backlogs in stipulated period (actual duration of the program)	Needs improvement	
14	4.3	Academic performance in third year	Needs improvement	
15	4.4	Academic performance in second year	Needs improvement	
16	4.5	Placement, Higher studies and Entrepreneurship	Needs Significant improvement.	



**Principal**  
Atrla Institute of Technology  
Anandanagar, Bengaluru-56

17	4.6.1	Professional Societies /chapters and organizing engineering events	Only two societies found with limited events	
18	4.6.3	Participation in inter institute events by students of the program of study (at other institutions)	Poor events outside the state	
<b>Criterion – 05</b>				
19	5.1	Student-Faculty Ratio (SFR)	Needs improvement	
20	5.3	Faculty qualifications	Needs improvement	
21	5.4	Faculty Retention	Needs improvement	
22	5.5	Innovations by the Faculty in Teaching and Learning	Innovations not so significant	
23	5.7.1	Academic Research	Limited No. of publications and PhD guidance	
24	5.7.2	Sponsored Research	Nil	
25	5.7.4	Consultancy (From Industry)	Needs improvement	



**Principal**  
Atrla Institute of Technology  
Anandanagar, Bengaluru-24



26	5.8	Faculty Performance and appraisal and development system (FPADS)	Inadequate implementation	
27	5.9	Visiting/Adjunct/ Emeritus faculty etc.	Only one visiting faculty	
<b>Criterion – 07</b>				
28	7.2	Academic Audit and actions taken during the period of Assessment	Internal academic audit	
29	7.3	Improvement in Placement, Higher Studies and Entrepreneurship.	No significant improvement	
30	7.4	Improvement in the quality of students admitted to the program.	No significant improvement	
<b>Criterion – 08</b>				
31	8.4.1	Describe the assessment processes used to gather the data upon which the evaluation of Course	Assessment tools to be improved	
32	8.4.2	Record the attainment of course outcomes of all the first-year courses	Record keeping to be improved	
33	8.5.1	Indicate the result of evaluation of each relevant PO/PSO	Attainment computing needs attention	



**Principal**  
Atrla Institute of Technology  
Anandanagar, Bengaluru-24

34	8.5.2	Action Taken based on the results of evaluation of relevant POs/PSOs	Appropriate actions should be more systematically planned	
<b>Criterion – 09</b>				
35	9.1	Mentoring system to help at individual level	Needs to be improved by Engaging Psychologist	
36	9.2	Feedback Analysis and award/Corrective measures taken, if any	Records are to be maintained	
37	9.3	Feedback on facilities	Corrective actions need improvement	
38	9.4	Self-Learning	No Records on Effective Utilization	
39	9.5	Career Guidance, Training and Placements	Career guidance, training, placement are motivating for GATE/GRE, GMAT	
40	9.6	Entrepreneurship Cell	The Entrepreneurship cell and the recordkeeping need to be improved	



**Principal**  
Atrla Institute of Technology  
Anandanagar, Bengaluru-24

41	9.7	Co-curricular and Extra Curricular Activities	<p>Co-curricular and extra-curricular activities need to be more systematic actions required for NSS and Club activities</p> <p>More Planned actions are needed for NSS and available clubs No NCC</p>	
<b>Criterion – 10</b>				
42	10.1.2	Governing body, administrative setup, Functions of various bodies, Service rules, Procedures, recruitment and promotional bodies	The Governing body, administrative setup, functions of various bodies, service rules procedures, recruitment and promotional policies and there is no proper record keeping for meetings one BOGS meeting in a year and the committees & rules/policies are in place	
43	10.1.3	Decentralization in working and grievance redressal mechanism	There is a decentralization in working and grievance redressal mechanism and the action taken reports for meeting records are to be kept systematically and to be created and to be maintained. Delegation is low	



**Principal**  
**Atrla Institute of Technology**  
**Anandanagar, Bengaluru-76**

44	10.1.4	Delegation of financial powers	The delegation of financial powers, Transparency and availability of correct/unambiguous information in public domain is low and so the utilization is available and needs to be improved.	
45	10.1.5	Transparency and availability of correct/unambiguous information in public domain	The delegation of financial powers, Transparency and availability of correct/unambiguous information in public domain is low and so the utilization is available and needs to be improved.  Dissemination needs improvement	
46	10.2.1 and 10.3.1	Adequacy of budget allocation	Allocation, utilization both are low	
47	10.3.2	Utilization of allocated funds	Justification not available	
48	10.4.1	Quality of learning resources	Fire safety certificate not available	
49	10.4.2	Internet	Digital learning resources in diverse areas need to improved	



**Principal**  
Atria Institute of Technology  
Anandanaqar, Bengaluru-23

### Compliance status to Compliance Report-Tier II Institutions

S.N.	Pre-Visit Qualifiers (Average of Assessment years)	Requirement for 3 years	YES/NO	Requirement for 6 years	YES/NO
1	Admissions in the undergraduate programs under consideration including students admitted through lateral entry (average of the previous three academic years CAYm1,CAYm2 and CAYm3)	50%	NO	75%	NO
2	Faculty student ratio in the department under consideration (Averaged over previous three academic years including Current Academic Year.)	1:25	YES	1:20	YES
3	At least one Professor or one Associate Professor on regular basis with Ph.D. degree should be available in the respective Department during previous two academic years including current academic year.	YES	YES	At least two Professors or one Professor and one Associate Professor on regular basis with Ph.D. degree should be available in the respective Department for previous two years (including Current Academic Year).	YES
4	Number of available Ph.Ds. in the department (Averaged for previous two academic years including Current Academic Year.)	10%	YES	30%	YES
5	The HOD of the department in which the program under consideration is running should be appointed on regular basis and should possess PhD degree in the Current Academic Year (CAY).	NA	YES	YES	YES



**Principal**  
Atria Institute of Technology  
Anandanagar, Bengaluru-70