



## YEARLY STATUS REPORT - 2020-2021

### Part A

#### Data of the Institution

<b>1.Name of the Institution</b>		<b>Atria Institute of Technology</b>
• Name of the Head of the institution	<b>T N Sreenivasa</b>	
• Designation	<b>Principal</b>	
• Does the institution function from its own campus?	<b>Yes</b>	
• Phone no./Alternate phone no.	<b>08023546084</b>	
• Mobile No:	<b>9902489911</b>	
• Registered e-mail	<b>principal@atria.edu</b>	
• Alternate e-mail	<b>vasanthi@atria.edu</b>	
• Address	<b>1st main</b>	
• City/Town	<b>Anandnagar, Bengaluru</b>	
• State/UT	<b>Karnataka</b>	
• Pin Code	<b>560024</b>	
<b>2.Institutional status</b>		
• Type of Institution	<b>Co-education</b>	
• Location	<b>Urban</b>	
• Financial Status	<b>Self-financing</b>	

• Name of the Affiliating University	Visvesvaraya Technological University				
• Name of the IQAC Coordinator	Prof. Vasanthi Satyananda				
• Phone No.	9886027716				
• Alternate phone No.	08023631298				
• Mobile	9886027716				
• IQAC e-mail address	quality@atria.edu				
• Alternate e-mail address	vasanthi@atria.edu				
<b>3. Website address (Web link of the AQAR (Previous Academic Year))</b>	<a href="https://atria.edu/NAAC/AQAR-2019-2020-NAAC-18-09-2020.pdf">https://atria.edu/NAAC/AQAR-2019-2020-NAAC-18-09-2020.pdf</a>				
<b>4. Whether Academic Calendar prepared during the year?</b>	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	<a href="https://atria.edu/assets/pdf/CALENDAR%20OF%20EVENTS%202021-22%20ODD%20Sem%20n.pdf">https://atria.edu/assets/pdf/CALENDAR%20OF%20EVENTS%202021-22%20ODD%20Sem%20n.pdf</a>				
<b>5. Accreditation Details</b>					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	B	2.39	2017	09/06/2017	08/06/2022
<b>6. Date of Establishment of IQAC</b>			16/03/2016		
<b>7. Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,</b>					

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Sufian Kaki Aslam	IN4.0 Talent	IN4.0 Group, United Kingdom	June-Dec 2020	1000000
Abhilash and Dr. Shanthi Mahesh	KSCST	KSCST	2020 (6 months)	5000
Shruthi B and Dr. Neha Mangla	KSCST	KSCST	2020 (6 months)	4000
Dr. Aishwarya P	SPICES Proposal	AICTE	May 2021 - Apr 2022	100000
Dr. Aishwarya P	ISTE Refresher Program	AICTE	Dec 2020 - Dec 2021	100000
Prof Karthik J	Light transmitting concrete/masonry blocks	DALMIA CEMENT	2020	5000
Prof Karthik J	Drafting & Design of Green & Efficient Buildings.	Design world	2020	5000
Dr. Surendra H J	Removal of Nitrate from Ground Water using Low Cost Treatment System	FAER McAfee Scholar Awards 2020-21	2021	5000
Prof Nagasubramanium G	Experimental analysis of plastic bricks	VTU	2021	5000
Dr. Rahul Dandautiya	Purification of water by using	VTU	2021	5000

	natural elements			
Dr. Surendra H J	Low Cost Community Level Community Water Treatment System Sing Tubular Solar Still Under Changing Climatic Scenario	KSCST	2021	5000
Dr. Aishwarya P & Dr. Surendra H J	Scheme for Promoting Interests, Creativity & Ethics among Students (SPICES)	All India Council for Technical Education	2021	100000
Dr. Suyog Jhavar	Robotic Metal 3D Printing and Post-processing Using Plasma Additive Manufacturing (AM)	VGST	2020(2 years)	20,00,000

<b>8. Whether composition of IQAC as per latest NAAC guidelines</b>	<b>Yes</b>			
<ul style="list-style-type: none"> <li>• Upload latest notification of formation of IQAC</li> </ul>	<a href="#">View File</a>			
<b>9.No. of IQAC meetings held during the year</b>	<b>2</b>			
<ul style="list-style-type: none"> <li>• Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?</li> </ul>	<b>Yes</b>			

<ul style="list-style-type: none"> <li>If No, please upload the minutes of the meeting(s) and Action Taken Report</li> </ul>	<a href="#">View File</a>	
<b>10. Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>	<b>No</b>	
<ul style="list-style-type: none"> <li>If yes, mention the amount</li> </ul>		
<b>11. Significant contributions made by IQAC during the current year (maximum five bullets)</b>		
<p>Improvement on OBE implementation the digital content of all subjects in a single platform, the "Xcelerator" IQAC has reinforced the concept of OBE into the content delivery plan and implementation. IQAC has encouraged the faculty and students to take up online certification courses such as NPTEL, Swayam, Course era etc. to inculcate self learning capabilities. IQAC has suggested departments to conduct FDPs, seminars, guest lectures in emerging areas. IQAC has initiated and supported in preparation of AQAR.</p>		
<p>Implementation of ERP and LMS</p>		
<p>Support NBA Accreditation</p>		
<p>Encouraged the faculty and students to take up online certification courses such as NPTEL, Swayam, Course era etc. to inculcate self learning capabilities</p>		
<p>Conduct regular audits to ensure implementation of various processes at the institution</p>		
<b>12. Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year</b>		

Plan of Action	Achievements/Outcomes				
Review of implementation of OBE including CO/PO attainment	The processes are implemented Faculty are trained for the same. The process of CO/PO attainment is in progress				
To organize workshops/FDPs	FDPs are organized at the department level				
Application of AISHE	Uploaded data for 2021 is under process				
To prepare VTU LIC visit	Successfully completed the online visit				
To prepare VTU AICTE visit	Successfully completed the online visit				
To prepare for NBA Accreditation	SAR is uploaded and the visit is awaited				
<b>13. Whether the AQAR was placed before statutory body?</b>	<b>Yes</b>				
<ul style="list-style-type: none"> <li>Name of the statutory body</li> </ul>					
<table border="1"> <thead> <tr> <th>Name</th> <th>Date of meeting(s)</th> </tr> </thead> <tbody> <tr> <td>Governing Council</td> <td>20/03/2021</td> </tr> </tbody> </table>		Name	Date of meeting(s)	Governing Council	20/03/2021
Name	Date of meeting(s)				
Governing Council	20/03/2021				
<b>14. Whether institutional data submitted to AISHE</b>					
<table border="1"> <thead> <tr> <th>Year</th> <th>Date of Submission</th> </tr> </thead> <tbody> <tr> <td>2019</td> <td>30/09/2019</td> </tr> </tbody> </table>		Year	Date of Submission	2019	30/09/2019
Year	Date of Submission				
2019	30/09/2019				

### Extended Profile

#### 1. Programme

1.1 287

Number of courses offered by the institution across all programs during the year

File Description	Documents
Data Template	<a href="#">View File</a>

**2.Student**

2.1 **2124**

Number of students during the year

File Description	Documents
Data Template	<a href="#">View File</a>

2.2 **282**

Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year

File Description	Documents
Data Template	<a href="#">View File</a>

2.3 **581**

Number of outgoing/ final year students during the year

File Description	Documents
Data Template	<a href="#">View File</a>

**3.Academic**

3.1 **166**

Number of full time teachers during the year

File Description	Documents
Data Template	<a href="#">View File</a>

3.2 **34**

Number of Sanctioned posts during the year

## Extended Profile

### 1. Programme

1.1	<b>287</b>
Number of courses offered by the institution across all programs during the year	

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### 2. Student

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Data Template	<a href="#">View File</a>

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Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	

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Data Template	<a href="#">View File</a>

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Data Template	<a href="#">View File</a>

### 3. Academic

3.1	<b>166</b>
Number of full time teachers during the year	

File Description	Documents
Data Template	<a href="#">View File</a>



3.2	34
Number of Sanctioned posts during the year	

File Description	Documents
Data Template	<a href="#">View File</a>

<b>4.Institution</b>	
4.1	45
Total number of Classrooms and Seminar halls	
4.2	1455 Lakhs
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	902
Total number of computers on campus for academic purposes	

## Part B

### CURRICULAR ASPECTS

#### 1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

Atria Institute of Technology has been approved by AICTE, New Delhi and is affiliated to Visvesvaraya Technological University (VTU) which is one of the largest Technological Universities in India. Our institution, with 21years of Tradition of excellence in Engineering & Technical Education, Research and Innovations provides a 24/7 learning ambience with mentors from across the country and houses a Business Incubation Centre with state-of-art infrastructure and facilities to encourage entrepreneurship and initiate startups.

- Atria IT ensures effective curriculum delivery through systematic & strategic transparent mechanism curriculum prescribed by VTU with strict adherence and also inculcates a culture to encourage integrity, ethics and professional values.
- With reference to the guidelines prescribed by our esteemed

VTU, our Institution incorporates Outcome-Based Education (OBE) which is followed for every UG & PG Program.

- The Head of Institution addresses the newly admitted students in "INDUCTION PROGRAM". This programs orients the students about: Facilities & welfare schemes available, code of conduct & discipline, add- on-courses & extra - curricular activities.

#### Teaching Plan & Teaching Dairy

- The syllabus of every course (CBCS) enlists its objectives and outcomes along with its credit values. Faculty are allotted with specific courses to handle based on their domains of research and expertise.
- A Comprehensive teaching plan is prepared by faculty which includes delivery of lectures, tutorials & practical's.
- The faculty members take orientation classes for the introduction about the course. Periodical review on coverage of syllabus & regularity of students is taken by the HoD. Suggestions are invited for the improvement of the teaching & learning process through regular meetings with Class Representative's (CR's).
- Gap identification being one of the best practices becomes the first phase after subject allotment. The gaps are identified considering inputs from various sources such as Semester End Examinations (SEE), curriculum feedback from all the stakeholders i.e students, faculty, parents, employers etc.
- The faculty in comparison with the existing industry trends and the prescribed syllabus establishes a gap or an add-on skill for the optimal attainment of course outcomes which in turn has an impact on Program Outcomes (POs) and Program Specific Outcomes (PSOs).
- The gaps can be either in the content or the learning levels as per Revised Bloom's Taxonomy Level (RBTL). The gaps are grouped into mandatory and desirable by the course coordinators and actions to close the gap are planned accordingly.
- The Curriculum delivery is planned and delivered to attain the Program Outcomes (POs) identified by each of the programs/departments aligned with POs as specified by the NBA. Further, the content to be delivered is designed to

address the attainment of Program Specific Outcomes (PSOs) detailed by the departments.

- To cater to either online and offline course delivery , our institution has facilitated an ERP named QuikLrn which brings in students, faculty and Heads of the Departments under a common platform for data sharing, attendance as well as performance monitoring of the students.
- A well-designed evaluation system involving assignments, tutorials, internal assessment test (continuous evaluation) have been put in place, many of them executed through the Learning Platform -Xcelerator.
- The faculty work on Plan-Deliver-Check/evaluation-Act (PDCA) for continuously improving the process. The above process for record purposes is documented and preserved for further reference. Both of these Xcelerator and Quiklrn Digital Platforms consolidate every entity of the institution for Continuous Internal Evaluation and Monitoring (CIE) of the students with paperless information exchange.

#### Teaching Aids :

- The faculty uses charts, models along with chalk and board.
- Methods like seminar, group discussion, quiz, case study for effective delivery of curriculum.
- Study materials, notes and question banks are provided in the class and through mails.
- Educational field visits, industrial visits are organized.
- Group projects are assigned to teach them team spirit, sharing and develop presentation, research skills.
- ICT based materials are uploaded on the college website.
- Guest lectures, Expert lectures and guidance by departmental Alumni are engaged.

#### Faculty support:

- The Institute encourages the faculty to participate in Orientation and Refresher courses to update their knowledge of subject.
- The Institute encourages the faculty to attend the meetings of BOS and syllabus restructuring workshops.

- The Institute takes initiative and encourages staff to attend workshops organised by the University for effectively implementing the CBCS method of imparting curriculum.
- The Choice Based Credit System (CBCS) is implemented for enabling choice for selection of Elective papers to the students.
- This system (CBCS) is introduced from the year 2015-16 .
- New recruits are given orientation regarding teaching methodologies.
- The faculty who actively take part in the research is suitably motivated with incentives & awards

Feedback :

- The college collects the feedback from the faculty, students, alumni and parents.
- The collected feedback is analysed using different parameters and the performance of the students, faculty and institution is assessed.
- Any discrepancies identified are considered for correction and suggestions are taken for Improvement.
- Formative assessment is done to identify gaps in students' knowledge which helps to identify Slow and advanced learners.
- Based on the performance Internal Assessment the slow

learners are identified & they are provided with Remedial Coaching in every semester.

- The advanced learners are encouraged for further progression in career by participating in various co-curricular activities and career oriented programmes organised by the institute and outside the Institute.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	Nil

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

The institution follows and adheres to the University Academic calendar and prepares the institute calendar in alignment with the University's. Likewise, all the engineering & management department calendars are prepared by incorporating the department activities and covering the events from the college calendar which is in sync with the university calendar.

- The Academic Calendar is uploaded in the institution website, displayed on the notice boards and communicated to students through QuikLrn(ERP ) Any deviation to the calendar of events is prepared & documented.

- All the classes & examinations are planned as per the calendar, thus ensuring complete adherence.

Compliance of Continuous Internal Evaluation with Academic Calendar -

Internal Examinations :

The Date of IA1, IA2 & IA3 are mentioned in the academic calendar. detailed test schedule is announced by respective HoDs. To maintain further compliance, answer sheets are checked within five

working days after the commencement of each examination. In case of labs and projects, internal viva and practical exams are conducted by respective departments before the university examinations.

Question Paper Setting- The question paper of internal test is prepared by concerned faculties and is approved by Head of the Department. The Central examination committee & Question paper scrutiny team will select question paper for common subjects out of a three papers prepared by all concerned faculties.

As per the calendar of events on dates for the conduction of all the three Internal Assessments in prior, sets the calendar and revises or updates the dates of other programs and events including IAs from time to time according to the changes seen in the future events.

The Institute calendar also includes sports day, cultural day, and celebrations on national holidays along with any important events and also institute calendar manages equal number of week days in a semester.

University Exams- The tentative dates for university exams are indicated in the academic calendar. The final university exam schedule is also displayed on students' notice boards.

Student feedback - The dates for formative & summative feedback are indicated in the academic calendar, students will submit feedback for each subject through online feedback forms maintaining complete anonymity.

Academic Monitoring- Each Head of the Department maintains a monthly monitoring report on course coverage, student attendance and assignment provided for every subject. Remedial classes are conducted for weak students in mathematical/conceptual subjects.

**Amendments-** In case of unseen conditions, academic calendar is modified and revised as per the instructions of Dean.

File Description	Documents
Upload relevant supporting documents	<a href="#">View File</a>
Link for Additional information	<a href="https://atria.edu/assets/pdf/CALENDAR%20OF%20EVENTS%202021-22%20ODD%20Sem%20n.pdf">https://atria.edu/assets/pdf/CALENDAR%20OF%20EVENTS%202021-22%20ODD%20Sem%20n.pdf</a>

**1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University**

**A. All of the above**

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	<a href="#">View File</a>
Any additional information	<b>No File Uploaded</b>

## **1.2 - Academic Flexibility**

**1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented**

**1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented**

**6**

File Description	Documents
Any additional information	No File Uploaded
Minutes of relevant Academic Council/ BOS meetings	No File Uploaded
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

### 1.2.2 - Number of Add on /Certificate programs offered during the year

#### 1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

208

File Description	Documents
Any additional information	No File Uploaded
Brochure or any other document relating to Add on /Certificate programs	No File Uploaded
List of Add on /Certificate programs (Data Template )	<a href="#">View File</a>

### 1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

482

#### 1.2.3.1 - Number of students enrolled in subject related Certificate or Add-on programs during the year

126

File Description	Documents
Any additional information	No File Uploaded
Details of the students enrolled in Subjects related to certificate/Add-on programs	<a href="#">View File</a>

### 1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

The Institute follows curriculum prescribed by the University and integrates various socially relevant cross-cutting issues like



ethics, human values, environment, etc., across UG and PG programs to sensitize the students

#### Human Values and Professional Ethics:

Human values and professional ethics are addressed through the course "Constitution of India, Professional Ethics and Cyber Law" offered in the III/IV semester of engineering programme. The primary objective of this course is to ensure that the students have knowledge of the constitution, fundamental duties and rights of citizens, professional ethics and the responsibilities of engineers. The course also provides awareness about cybercrimes and cyber laws. The Students of First Year UG will undergo Student Induction Program (SIP) in which cross-cutting issues like Human Values and Professional Ethics are addressed.

The course "Workplace Ethics & Value System" in the 2014 and 2016 schemes for the MBA students provides insight into the workplace ethics apart from acquiring knowledge about corporate governance.

#### Environment and Sustainability:

The issues of Environment and Sustainability are addressed through the course "Environmental Studies" offered to engineering students in the V semester. Through this course, students are sensitized to ecological and environmental issues connected with land, air, and water, with awareness on sustainable development.

#### Gender equity:

Atria I.T, imparting quality education to shape global leaders has firm belief in gender equity which is indispensable to ensure sustainable development of a country. Institute has initiated promising measures to sensitize and promote gender equity amongst the stakeholders through curricular and co-curricular activities. To promote gender equity among the students, Institute supports flexible seating arrangements in the class rooms, equal representation of both genders in the leadership positions of class and college level committees, curricular and co-curricular activities. The Institute makes concerted efforts to create a congenial environment free from gender discrimination through

mutual respect.

Apart from the above, the Institute organizes various awareness programs and activities on cross-cutting issues with the support of external organizations and experts. The NSS activities, Swachh Bharath Abhiyan, blood donation and health awareness camps conducted by ROTRACT CLUB, Sponsored by ROTARY Bangalore south.

ROTRACT CLUB Plays a vital role in promoting inclusive environment towards regional and socioeconomic diversities among students making a Positive difference and shaping them into wholesome professionals.

File Description	Documents
Any additional information	No File Uploaded
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum	No File Uploaded

### 1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

6

File Description	Documents
Any additional information	No File Uploaded
Programme / Curriculum/ Syllabus of the courses	No File Uploaded
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	No File Uploaded
MoU's with relevant organizations for these courses, if any	No File Uploaded
Number of courses that include experiential learning through project work/field work/internship (Data Template)	<a href="#">View File</a>

### 1.3.3 - Number of students undertaking project work/field work/ internships

624

File Description	Documents
Any additional information	No File Uploaded
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	<a href="#">View File</a>

### 1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni	A. All of the above
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File Description	Documents
URL for stakeholder feedback report	<a href="#">View File</a>
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	No File Uploaded
Any additional information(Upload)	No File Uploaded

<b>1.4.2 - Feedback process of the Institution may be classified as follows</b>	<b>A. Feedback collected, analyzed and action taken and feedback available on website</b>
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File Description	Documents
Upload any additional information	<a href="#">View File</a>
URL for feedback report	Nil

## TEACHING-LEARNING AND EVALUATION

### 2.1 - Student Enrollment and Profile

#### 2.1.1 - Enrolment Number Number of students admitted during the year

##### 2.1.1.1 - Number of sanctioned seats during the year

756

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	<a href="#">View File</a>

##### 2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

###### 2.1.2.1 - Number of actual students admitted from the reserved categories during the year

171

File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	<a href="#">View File</a>

## 2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

Atria institute has a fair system for the admission process. The students admitted to the institute are coming from various economic sections and communities of society. The students are admitted to the institution without considering caste, creed, gender, religion, social and economic status. Student representation is diverse not just in terms of regional and linguistic aspects. After the completion of the admission process, regular classes commence as per the college timetable. Classroom observation, interaction, continuous and periodic assessment are used as a measuring system to assess the learning levels of the students. The institute uses monitoring and mentoring to keep track of learners' progress. Revision classes and counseling sessions are held and additional teaching is taken up if required. Faculty members identify the list of bright and slow learners of their respective courses.

Methodology to identify advanced and slow learners

The advanced learners and slow learners are identified based on interactions in the classroom, performance during Continuous Internal Evaluation (CIE), the three mandatory internal assessments, assignments and performance in the Semester End Examination (SEE). Before this, the Basic Science Department conducts bridge courses for the identified students based on their school performance. The class coordinators along with course faculty assess the progress of the students after every IA test and the parents are intimated through the ERP platform or in Parent-Teacher meetings as and when required.

The identified meritorious students are encouraged to participate and present papers in various seminars/ conferences/ journals/workshops/ intercollegiate competitions. They are provided with additional references and guidance to improve their academic skills. Meritorious students are provided with the facility of extra library books. The academic toppers in the

first, second, third and fourth years are provided with a cash prize along with a certificate of merit. The library ensures extended timing, accessibility to computer facilities and the internet for the online material and provides an atmosphere for conducive learning. Faculty take keen interest while suggesting books for the Central library and ascertain that the library collection of books caters to the needs of all the learners.

A special program in the form of remedial classes is arranged to improve the performance in the courses for slow learners. The efforts are made by the faculty to provide personal attention to these students in the classroom. Wherever possible the students are assessed informally to identify their learning skills/styles learned by reading and learning from peers. Accordingly, the students are encouraged to engage in learning and improve their academics. The faculty mentor also plays a key role in the overall development of slow learners by involving the parents/HoD/Principal as and when required.

File Description	Documents
Link for additional Information	Nil
Upload any additional information	<a href="#">View File</a>

### 2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
2130	166

File Description	Documents
Any additional information	<a href="#">View File</a>

### 2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

Atria Institute of Technology is an affiliated institution with the premier technological university in the country, Visvesvaraya Technological University (VTU), Belagavi, Karnataka and recognized by the All-India Council for Technical Education (AICTE), New Delhi. The VTU follows the AICTE model curriculum. In general, the curriculum comprises Basic Science, Engineering Science,

Humanities and Social Science, Professional courses and their distribution as core and elective courses with the specified breadth and depth of learning. Open Electives, Internship, Project Work are also mandatory in the curriculum.

The teaching-learning process includes adherence to the academic calendar and improving instruction methods using pedagogical initiatives such as real-world examples, collaborative learning, quality of laboratory experience about conducting experiments, recording observations, analysis of data etc.

Every department of the Institute has initiated the following measures to bridge the identified curricular gaps.

**Guest lecturers:** Experts from industry and academia are invited to deliver lectures on the advanced topics of the subjects, latest trends, and thrust areas in Electronics and Communication engineering.

**Technical talk/ Seminars:** Students are kept updated about the advances in technologies through technical talks/seminars.

**Workshops:** The department has introduced a novel initiative for students, wherein they are encouraged to participate in hands-on workshops which enhance their application skills.

**Soft skill training:** The department emphasizes personality development through soft skills training programs to improve their communication and behavioral skills which plays a major role in the employability of students.

**Industrial visits:** Visits to reputed industries are organized every year to keep the students abreast with the latest technological advancements and their applications.

**Internships:** Students are encouraged to take up internships in industries and recognized R&D centers to understand industry practices. There is a mandatory internship introduced in the VTU scheme to encourage them to get industry exposure.

For enhancing learning experiences, the faculty members adopt many ways, for example, lecture method, interactive method, project and fieldwork method, computer-assisted method, experiment method, etc. Teaching and learning activities are made effective by these practices. The faculty uses ICT methods for enhancing the delivery of the course content along with the conventional blackboard

presentation methods, especially in mathematics and numerical-based subjects. Some Student-centric methods are given below:

**Project methods:** The project work stimulates students' interest in the subject and provides the student with an opportunity for freedom of thought and the free exchange of different views. As per the requirement of syllabi, the project work is done.

**Interactive methods:** The faculty members make learning interactive with students by motivating student participation in group discussion, role-play, subject quiz, news analysis, educational games, discussion and questions and answers on current affairs, etc. Classroom discussions on various topics are done under features.

**ICT Enabled Teaching:** ICT-enabled teaching includes Wi-Fi-enabled classrooms with LCD, Language Lab, Smart Classrooms, etc. The institution adopts modern pedagogy to enhance the teaching-learning process. The institution has the essential equipment to support the faculty members and students.

**Experiential learning:** Experimental/Laboratory method is used in engineering subjects to acquaint the students with the facts through direct experience individually.

**Student Seminars:** The Student seminars are organized wherein the papers are presented by students on contemporary topics to enrich their learning experience.

**Case Study:** In the MBA program student are encouraged to do more case studies. Management case studies are real-life examples of issues and problems found in particular workplaces or business organizations. These assignments give the opportunity to relate theoretical concepts to practical situations.

For enhancing learning experiences, the faculty members adopt many ways, for example, lecture method, interactive method, project and fieldwork method, computer-assisted method, experiment method etc. Teaching and learning activities are made effective by these practices. The faculty uses ICT methods for enhancing the delivery of the course content along with the conventional blackboard presentation methods, especially in mathematics and numerical-based subjects. Some Student-centric methods are given below:

**Project methods:** The project work stimulates students' interest in the subject and provides the student with an opportunity for



freedom of thought and the free exchange of different views. As per the requirement of syllabi, the project work is done.

**Interactive methods:** The faculty members make learning interactive with students by motivating student participation in group discussion, role-play, subject quiz, news analysis, educational games, discussion and questions and answers on current affairs, etc. Classroom discussions on various topics are done under features.

**ICT Enabled Teaching:** ICT enabled teaching includes Wi-Fi enabled classrooms with LCD, Language Lab, Smart Classrooms, etc. The institution adopts modern pedagogy to enhance the teaching-learning process. The institution has the essential equipment to support the faculty members and students.

**Experiential learning:** Experimental/Laboratory method is used in engineering subjects to acquaint the students with the facts through direct experience individually.

**Student Seminars:** The Student seminars are organized wherein the papers are presented by students on contemporary topics to enrich their learning experience.

**Quiz:** Periodical and quick assessment of the student's understanding of the concepts is carried out by conducting a quiz program. The quiz is either online or in the traditional paper mode. The scores are recorded for assessing the student's performance. In online mode, Xcelerator platform is used.

#### **Enterprise Resource Planning**

The academia (<https://ait.academiaerp.com>) ERP software helps the college/department to achieve its goal by using resources better. ERP software collects data and gives useful information to make correct decisions. When a student joins the college, his/her personal information is entered into the system. Student details like fee receipt, attendance details, examination performance, and his/her library activities are entered. Internal assessment marks are also sent to parents through ERP and the daily attendance status of the student is also sent.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Link for additional information	Nil

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

Atria Institute of Technology, Bangalore, being a technical and management institute, encourages intensive use of Information and Communication Technology (ICT) enabled tools including online resources for effective teaching and learning process

The following ICT Tools are used by the Institute:

1. Projectors: All the classrooms and laboratories are equipped with Projectors and Screens.
2. Desktop and Laptops: All laboratories are equipped with Desktops with high-speed Wi-Fi and LAN connectivity and Faculty are provided with Laptops.
3. Learning Management System (LMS: Xcelerator): Faculty share Academic Study Material through Xcelerator. The QuikLrn platform is used for other academic requirements to support outcome-based education measurement.
4. All the study material is uploaded on the respective department pages on the website after the critique review of the teaching-learning methodology.
5. Photocopier, Printers and Scanners: They are installed at HOD Cabins and all prominent places in the institute.
6. Seminar Halls: Seminar halls are equipped with all-digital facilities such as a mike, projector, cameras and computer system.
7. Digital Writing Pads: Most of the faculty are using digital writing pads for effective online teaching.
8. Online Classes: Online classes through Microsoft Team, Google Meet, and ZOOM.
9. Virtual labs: The students are provided with access to Virtual Lab (<https://www.vlab.co.in/>), for remote experimentation.
10. MOOC Platform: NPTEL (<https://onlinecourses.nptel.ac.in/>), Coursera (<https://www.coursera.org/>) , edX (<https://www.edx.org/>) etc.
11. Digital Library resources: Institution has a digital library. All the learning resources are available to access

like DELNET (<http://delnet.nic.in>), National Digital Library (<https://ndl.iitkgp.ac.in/>), National Knowledge Network (<http://nkn.gov.in/>), and VTU consortium for the access of research papers.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	Nil

### 2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year )

#### 2.3.3.1 - Number of mentors

156

File Description	Documents
Upload, number of students enrolled and full time teachers on roll.	<a href="#">View File</a>
Circulars pertaining to assigning mentors to mentees	<a href="#">View File</a>
mentor/mentee ratio	No File Uploaded

### 2.4 - Teacher Profile and Quality

#### 2.4.1 - Number of full time teachers against sanctioned posts during the year

164

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	<a href="#">View File</a>
Any additional information	No File Uploaded
List of the faculty members authenticated by the Head of HEI	No File Uploaded

#### 2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc.

**/ D.Litt. during the year (consider only highest degree for count)**

**2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year**

47

File Description	Documents
Any additional information	No File Uploaded
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year(Data Template)	<a href="#">View File</a>

**2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)**

**2.4.3.1 - Total experience of full-time teachers**

700

File Description	Documents
Any additional information	No File Uploaded
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	<a href="#">View File</a>

**2.5 - Evaluation Process and Reforms**

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

The institute follows rules and guidelines regarding the evaluation process as per the Visvesvaraya Technological University, Karnataka. The academic calendar is prepared at the beginning of each semester and is made available on the college website and on noticeboards of the departments. As per the academic calendar, a student has to appear in three Internal assessments (IA) in each subject in each semester. The IA is centralized at the institution level and is executed by the IA committee consisting of coordinators from all the departments and the exam controller is nominated by the principal. The process is as detailed below:

- The institute follows rules and guidelines regarding the evaluation process as per the Visvesvaraya Technological University, Karnataka. The academic calendar is prepared at the beginning of each semester and is made available on the college website and on noticeboards of the departments. As per the academic calendar, a student has to appear in three Internal Assessment (IA) in each subject in each semester. The IA is centralized at the institution level and is executed by the IA committee consisting of coordinators from all the departments and the exam controller is nominated by the principal. The process is as detailed below:
- Question paper setting: The faculty members handling the common course discuss the syllabus coverage and all of them will submit the separate question paper verified by the HoD to the central IA coordinator in line with the VTU question paper. Each question is mapped to the course outcome and bloom's taxonomy level. The question paper, scheme and solution are scrutinized by the senior faculty identified by the exam coordinator.
- Time table preparation: The department IA coordinator is responsible for the preparation of time table as per the recommendation of the IA committee in line with the academic calendar. The same is approved by the identified authority and displayed at least one week before the start of IA.
- Allotment of invigilation duty: The HODs of the respective department shares the list of faculty for invigilation with the IA committee. The invigilation duties are allotted by the identified members from the IA committee and the same is shared with HODs and faculty at least two days before the start of IA.
- Conduction of IA: The IA coordinators distribute the question papers to the respective rooms before the start of the IA. The DOs and Don'ts are to be announced by the faculty to the students. After the prescribed time of IA, the blue books are collected back and returned to the exam centre. The IA coordinators submit the same to the department and the faculty collects the same for valuation.
- Valuation: The valuation has to be completed within a week from the last day of IA by the respective faculty handling the subject. Further, the solutions will be discussed in the class which will enable students to understand their mistakes. The marks are entered in the shared sheet by the faculty. The IA coordinator is responsible to analyse the same in the prescribed format. The average of the marks obtained from all three tests is chosen for the award of

final internal assessment marks. At the end of every IA test evaluation, students' performance in all the subjects is analyzed course-wise. In the courses in which students have scored fewer marks, the Head of the department conducts a discussion with the concerned course coordinators and provides appropriate suggestions/guidelines by considering the student's formative feedback also.

- For assessment of seminars, summer internships and projects, the faculty coordinator prepares a schedule of presentations of students in slots in consultation with the HoD and is communicated to students. Students present their work and submit the report to the coordinator which is evaluated by the internal experts and coordinator. For assessment of laboratory courses, an internal practical exam is conducted by a respective faculty member at the end of the course.

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	Nil

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time-bound and efficient

The institute has devised an efficient mechanism to deal with examination-related grievances which is transparent in the pattern and conduction of CIE and rectification of grievances is time-bound.

At the Institute level:

At the Institute level, the IA committee consists of coordinators from all the departments and the exam controller is nominated by the principal. The faculty distribute and discuss evaluated answer scripts to students, and if any clarification is required, it is addressed in the class itself. The internal marks are displayed on the notice board and uploaded to QuikLrn (ERP) platform. If a student is not satisfied with the marks awarded even after being resolved by the teacher, then he may represent the same to the HoD concerned. All such representations are taken positively and are reassessed by another teacher if necessary. Parents are informed about their ward's performance through SMS and Mail. Students are counseled by the faculty mentor, and remedial classes are conducted for students who have failed the examinations. The additional IA may be conducted for the students who were absent

for internal exams due to genuine reasons. Within a time-bound, the Internal Assessment marks are entered in the University web portal.

At the University level:

If students have grievances related to the evaluation of university answer scripts it is intimated to the subject handling faculty and HoD, for further action. In this case, students can apply for a re-evaluation of their answer scripts as scheduled by the University. The results of the re-evaluation will be announced as per the university norms. The entire process is maintained transparent and time-bound by the university.

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	Nil

## 2.6 - Student Performance and Learning Outcomes

2.6.1 - Teachers and students are aware of the stated Programme and course outcomes of the Programmes offered by the institution.

The Vision and Mission statements are displayed on the college website ([www.atria.edu](http://www.atria.edu)) as well as on the college campus in all the departments. The Vision, Mission and Programme Education Outcomes (PEO) statements are published and disseminated at various places and circulated among different stakeholders. In education, the term stakeholder typically refers to anyone who is invested in the welfare and success of a college and its students, including administrators, teachers, staff members, students, parents, families, community members, employers, and professional bodies. The college has clearly stated Programme Outcomes (PO), Programme Specific Outcomes (PSO), and Course Outcomes (CO). The COs are mentioned by the affiliating university in the syllabi prescribed to each course. The department and the faculty modified the given COs. Faculty and students are expected to know them by heart. At the beginning of every academic year, the programme outcomes are verbally communicated to the students by teachers and during the principal's address. They are also displayed on the college website and brochure. Course outcomes depend upon the nature of the course and the subject concerned. They are also defined by the university and are mentioned in the syllabus of a particular class and subject. The PSOs are closely related to the

programme. All these outcomes are explained to students in the classrooms directly or indirectly. There are some universal learning outcomes also which are inherent in every syllabus. The students are encouraged, guided to learn and imbibe these outcomes. They are also percolated to students through organization and participation of co-curricular and extra-curricular activities. Every department plans and conducts all activities in light of the programme outcomes, course outcomes. There are certain ways to assess whether the programme outcomes have been achieved or not. The performance of students in university examinations and different internal examinations is a parameter of outcome assessment. For the assessment of students, summative and formative approaches are followed to get intended learning outcomes. The teaching-learning and assessment processes are reviewed by the IQAC through academic and Administrative Audits. It includes an external peer team member. Records of academic results and other achievements are maintained by the departments or the units. They are submitted to the IQAC at the end of the academic year. The feedback obtained from students on the teaching-learning process help to understand the expected learning outcomes. Secondly, the student's overall performance in co-curricular and extra-curricular activities, as well as his behaviour on and off the campus, help to judge the programme or course outcomes. The institute tries its level best to inculcate the above-mentioned outcomes. Following are some of the Programme:

#### Program Outcomes (PO)

Engineering Graduates will be able to:

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for public health and safety, and the cultural, societal, and environmental considerations.
4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and



- synthesis of the information to provide valid conclusions.
5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.
  6. The engineer and society: Apply to reason informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
  7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
  8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
  9. Individual and teamwork: Function effectively as an individual, and as a member or leader in diverse teams, and multidisciplinary settings.
  10. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
  11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
  12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional information	Nil
Upload COs for all courses (exemplars from Glossary)	<a href="#">View File</a>

## 2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

The assessment tools and processes used for measuring the attainment of each of the Program Outcomes and Program Specific Outcomes are mentioned below:

### Method of assessment of POs / PSOs

The program outcomes and Program Specific outcomes are assessed with the help of course outcomes of the relevant courses through direct and indirect methods. Direct methods are provided through direct examinations or observations of student knowledge or skills against measurable course outcomes. The knowledge and skills described by the course outcomes are mapped to specific problems on University Examination, internal exams and home assignments. Finally, program outcomes are assessed and Program Assessment Committee concludes the PO attainment level. At the end of each semester, the university conducts examinations. Based on the result published by the university the course outcomes are measured. Assignments are given at the end of each module. The assignments are provided to students and they refer to the textbooks and good reference books to find out the answers and understand the expected outcome of the given problem.

Three internal tests are conducted per semester for the following purposes:

- To ensure that students have achieved the desired level of competencies at the module level.
- To evaluate, whether corresponding COs are achieved or not. According to the performance of the student in answering each question, mapping is carried out with the respective COs for assessing the attainment level of the specific CO of the subject.

An Alumni survey is an important assessment tool to find out the following important factors: Indirect once in a year Level of the relevance of the curriculum with the expected skills of the industries. The level of attainment of goals for the specified program. Employer surveys are conducted for finding out whether the knowledge, skill and attitude learned from this institution are adequately satisfying their expectation or not. The objective the conducting the student exit survey is to identify several factors for future strategy framing once a year. To understand the

impact of training they understand the strength and weaknesses of various value-added courses and pre-placement training imparted.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional information	Nil

### 2.6.3 - Pass percentage of Students during the year

#### 2.6.3.1 - Total number of final year students who passed the university examination during the year

558

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Paste link for the annual report	Nil

### 2.7 - Student Satisfaction Survey

#### 2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

<https://atria.edu/NAAC/new/Student-Satisfaction-Survey-2020-21.pdf>

## RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 - Resource Mobilization for Research

#### 3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

##### 3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

43.39

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	<a href="#">View File</a>
List of endowments / projects with details of grants(Data Template)	<a href="#">View File</a>

### 3.1.2 - Number of departments having Research projects funded by government and non government agencies during the year

#### 3.1.2.1 - Number of departments having Research projects funded by government and non-government agencies during the year

5

File Description	Documents
List of research projects and funding details (Data Template)	<a href="#">View File</a>
Any additional information	No File Uploaded
Supporting document from Funding Agency	<a href="#">View File</a>
Paste link to funding agency website	Nil

### 3.1.3 - Number of Seminars/conferences/workshops conducted by the institution during the year

#### 3.1.3.1 - Total number of Seminars/conferences/workshops conducted by the institution during the year

117

File Description	Documents
Report of the event	No File Uploaded
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	<a href="#">View File</a>

## 3.2 - Research Publications and Awards

**3.2.1 - Number of papers published per teacher in the Journals notified on UGC website during the year****3.2.1.1 - Number of research papers in the Journals notified on UGC website during the year**

58

File Description	Documents
Any additional information	No File Uploaded
List of research papers by title, author, department, name and year of publication (Data Template)	<a href="#">View File</a>

**3.2.2 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year****3.2.2.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings during the year**

25

File Description	Documents
Any additional information	No File Uploaded
List books and chapters edited volumes/ books published (Data Template)	<a href="#">View File</a>

**3.3 - Extension Activities**

3.3.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

[https://docs.google.com/document/d/1aickMnrWg9fCKRlMnPFr\\_1u4Iv1Gmp\\_R/edit?usp=sharing&oid=101513930576743664344&rtpof=true&sd=true](https://docs.google.com/document/d/1aickMnrWg9fCKRlMnPFr_1u4Iv1Gmp_R/edit?usp=sharing&oid=101513930576743664344&rtpof=true&sd=true)

Extension activities are carried out through NSS . The Motto of NSS "Not Me But You", reflects the essence of democratic living and upholds the need for self-less service.

**NSS Objectives:**

- To understand themselves in relation to their community.
- To identify the needs and problems of the community and involve them in problem solving process.
- To develop among themselves a sense of social and civic

responsibility.

- To Gain skills in mobilizing community participation.
- To acquire leadership qualities and democratic attitude.
- To practice national integration and social harmony.

During 2020-21, the following activities had been conducted:

Sl No

Name Of The Activity

Organizing Unit/ Agency/ Collaborating Agency

Year of The Activity

Number Of Teachers Participated In Such Activities

Number Of Students Participated In Such Activities

1

RTPCR Test

Atria I T

(NSS Unit) , ISE Dept

& BBMP(Govt) Health Dept, Bengaluru

19-11-2020

&

20-11-2020

150

10

2

Blood Donation

Atria I T

(NSS Unit)

& Rotary Club

20-03-2021

10

66

3

Vaccination Drive

Atria I T

(NSS Unit) , ISE Dept

& BBMP(Govt) Health Dept, Bengaluru

29-06-2021

&

01-07-2021

40

200

File Description	Documents
Paste link for additional information	<a href="https://docs.google.com/document/d/1aicKMNrWg9fCKRlMnPFR_lu4Iv1Gmp_R/edit?usp=sharing&amp;oid=101513930576743664344&amp;rtpof=true&amp;sd=true">https://docs.google.com/document/d/1aicKMNrWg9fCKRlMnPFR_lu4Iv1Gmp_R/edit?usp=sharing&amp;oid=101513930576743664344&amp;rtpof=true&amp;sd=true</a>
Upload any additional information	<a href="#">View File</a>

**3.3.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year****3.3.2.1 - Total number of awards and recognition received for extension activities from Government/ government recognized bodies during the year**

29

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of awards for extension activities in last 5 year(Data Template)	<a href="#">View File</a>
e-copy of the award letters	<a href="#">View File</a>

**3.3.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., ( including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs ) during the year****3.3.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year**

9

File Description	Documents
Reports of the event organized	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Number of extension and outreach Programmes conducted with industry, community etc for the last year (Data Template)	<a href="#">View File</a>

**3.3.4 - Number of students participating in extension activities at 3.3.3. above during the year****3.3.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year**

591



File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	No File Uploaded

### 3.4 - Collaboration

**3.4.1 - The Institution has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research etc during the year**

375

File Description	Documents
e-copies of linkage related Document	No File Uploaded
Details of linkages with institutions/industries for internship (Data Template)	<a href="#">View File</a>
Any additional information	No File Uploaded

**3.4.2 - Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the year**

**3.4.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. during the year**

29

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	<a href="#">View File</a>

## INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

The Institution aims at creating infrastructure conducive for effective teaching- learning process and use of technology in infrastructure development. It aims at the creation and improvement of infrastructure at par with the norms laid by AICTE and university. It also ensures that the development and maintenance of the facilities are competent to meet the needs of the growing institution in terms of curricular as well as co-curricular activities.

The institution provides all the resources and facilities required for ensuring academic excellence in accordance with the organization's vision and strategic goals.

The need for infrastructure is identified by the respective HODs / committees and the proposals are submitted to the Principal. The requirements are reviewed by estate manager and the same is submitted to ABC / GC / managing trustee for approval. After approval of the plan, purchase/construction activity is initiated by the construction department.

The infrastructure includes classrooms, boardrooms, seminar halls, laboratory requirements, IT facilities, books, journals, reprography, power back-up and amenities like canteen, indoor sports and playground.

#### 1. Classrooms:

The Institution has well ventilated 42 class rooms with a seating capacity of 60 each. All the class rooms have LCD projector, black board, whiteboard, podium, fans, and CCTV.

- Technology enabled learning spaces:
  1. Each department has been provided with adequate number of class rooms equipped with overhead projectors and other teaching aids.
  2. The departments are self-sufficient in terms of computers, audio systems, UPS, printers and other accessories.
  3. Wi-Fi facility has been provided across the campus.
- Library: The central library is spacious with 150 seat occupancy. Onlinere sources such as DELNET etc.which makes teachers and students to gain the additional knowledge.Staff

and students can use the internet at the Institution's library.

- Seminar Halls:

Institution consists of three well-furnished seminar halls, one with capacity of 250 numbers and other two of 60 numbers respectively.

- Laboratories:

Institution consists of 28 well equipped laboratories, naming few, Hydraulics and hydraulics machinery lab, machine shop, strength of material lab, concrete lab, VLSI Lab, Microprocessor lab, Communication lab, physics and chemistry lab etc.

The campus is Wi-Fi enabled with ACT Telecommunication services. UPS backup facility is available to avoid interruptions due to power failure.

Other facilities:

- CCTV Cameras are installed in each floor for the security purposes
- Space for vehicle parking to staff and students

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://atria.edu/about.php#city-campus">https://atria.edu/about.php#city-campus</a>

4.1.2 - The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

Sports are a crucial part of a students' growth and development. The institution believes that active engagement of the mind and body would bring out the best amongst students. In our view, sports coupled with academics emerge as a gateway to better opportunities for our students who have subsequently improved their lives quite significantly.

The institute has a dedicated Department of Physical Education, under the able guidance of a Physical Education Director.

The institution aims to fire young minds in their pursuit of

greatness outside of the classroom by providing enough facilities for sports, games, cultural events, and other activities. The following are some of the activities and competitions that have been conducted to help students develop their talents.

#### Sports:

- A large play round is provided in the campus to encourage the students for sports and games.
- There is a large basket ball court in the campus.
- Track
- Cricket ground

#### Indoor Games

Coaching offered for indoor games like

- Table Tennis
- Carom
- Chess

#### Outdoor Games

A facility for out door games includes:

- Football field
- Ball badminton court
- Volley Ball court
- Kho Kho court

#### Gymnasium

A well-equipped Gymnasium is under construction in the hostel to help students to maintain their fitness.

Many intercollegiate competitions have been held at the college in a variety of sports and games. In addition, the sports committee successfully plans and conducts sports events and sports day for staff and students each year

#### Cultural Activities - Student Activity Centre

The institute believes in honing skills and nurturing talents of the students on a regular basis. The cultural committee identifies the diverse talents through auditions and encourages them to participate in intra college competitions, national competitions.

The cultural team regularly organizes intra class events, celebrates national festivals, annual day, fresher's day, graduation day, ethnic day and many others.

- A cultural fest 'Saptarang' is conducted every year to bring out the talents of the students. The winners have also participated in cultural events at intercollegiate and university levels and brought laurels to the college.

The students have performed and received many trophies at intercollegiate and University levels in cultural and sports activities such as cricket, football, hand ball, kabaddi and so on.

N.S.S

The institution encourages the students to participate in the N.S.S activities

Yoga:

Yoga demonstration classes are conducted for students and staff in the seminar hall.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="https://atria.edu/culturals-events.php">https://atria.edu/culturals-events.php</a>

**4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.**

45

**4.1.3.1 - Number of classrooms and seminar halls with ICT facilities**

45

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View File</a>

#### 4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

##### 4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

1475.26

File Description	Documents
Upload any additional information	No File Uploaded
Upload audited utilization statements	No File Uploaded
Upload Details of budget allocation, excluding salary during the year (Data Template)	<a href="#">View File</a>

#### 4.2 - Library as a Learning Resource

##### 4.2.1 - Library is automated using Integrated Library Management System (ILMS)

yes

Name of the ILMS software

Nature of automation (fully or partially)

Version

Year of automation

KOHA

Fully

20.11.02.000

2021

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional Information	<a href="https://aitkoha.academiaerp.com/cgi-bin/koha/about.pl">https://aitkoha.academiaerp.com/cgi-bin/koha/about.pl</a>

**4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources**

**A. Any 4 or more of the above**

File Description	Documents
Upload any additional information	No File Uploaded
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	<a href="#">View File</a>

**4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)**

**4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)**

18.99

File Description	Documents
Any additional information	No File Uploaded
Audited statements of accounts	No File Uploaded
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	<a href="#">View File</a>

**4.2.4 - Number per day usage of library by teachers and students ( foot falls and login data for online access) (Data for the latest completed academic year)**

**4.2.4.1 - Number of teachers and students using library per day over last one year**

45

File Description	Documents
Any additional information	No File Uploaded
Details of library usage by teachers and students	<a href="#">View File</a>

**4.3 - IT Infrastructure****4.3.1 - Institution frequently updates its IT facilities including Wi-Fi**

The Institution is equipped with Wi-Fi facilities with secured protection and is available for students and teachers. The institution has spacious and well-furnished computer laboratories with 902 computers with internet enabled to serve the day-to-day computing needs of students. Internet at a speed of 500 MBPS access for internet browsing requirements. Adequate number of computers, printers, scanners are also available in the campus. Access point has been given in each floor. The Institution upgrades the PCs with latest configuration available. The Institution has taken the following initiatives to develop the IT infrastructure:

Increasing the bandwidth of internet facility:

1 Maximum utilization of E-learning facilities.

2 Procuring and installing industry specific software and enabling the students to become industry ready employees.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

**4.3.2 - Number of Computers**

902



File Description	Documents
Upload any additional information	<a href="#">View File</a>
Student – computer ratio	<a href="#">View File</a>

#### 4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

File Description	Documents
Upload any additional Information	No File Uploaded
Details of available bandwidth of internet connection in the Institution	<a href="#">View File</a>

#### 4.4 - Maintenance of Campus Infrastructure

##### 4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

##### 4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)

1233.18

File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts.	No File Uploaded
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	<a href="#">View File</a>

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

The institution has state of the art infrastructure, learning resources including ICT enabled classrooms, seminar halls and computer labs, library and other support facilities. The institution campus has adequate infrastructure for sports and other extracurricular activities like Athletics, Indoor Basketball, Cricket, Volleyball, Football, Kabaddi, Table tennis and Badminton. The Subscription to periodicals includes two

newspapers of different languages such as English, Kannada. The institution has a large number of e-journals and e-books that is available for the benefit of academic fraternity. Budget for infrastructure, library and other learning resources are earmarked annually based on the recommendations of respective departments. Faculty and students are encouraged to access these learning resources for enriching their knowledge as well as to develop relevant content. The security and vigilance of the campus is maintained by a team of security guards comprising of a Chief Security Officer. The point of contact for all maintenance related issues is the facility manager of the institution. The complaints are brought to the notice of manager on various maintenance issues relating to carpentry, plumbing, electrical and housekeeping. The concerned person from the department who is in charge sends the required staff to resolve the issue in stipulated time. The institution has in-house full time employed carpenters, plumbers, electricians and painters. The facility manager functions as the coordinator who efficiently organizes the workforce through various departments. Adequate in - house staff is employed to meticulously maintain hygiene, cleanliness in the campus so as to provide a congenial environment.

**Duties of House Keeping Staff :** Cleaning of class rooms, corridors, laboratories, staff rooms and other allotted areas. Dusting of furniture and windows in the class rooms, swabbing of corridors, clearing cobwebs in the corridors, department laboratories, Central library, etc.

**Toilet Hygiene:** Each toilet is cleaned four times a day, which is checked by the supervisor concerned. Care is taken in providing exhaust fans, cleaning with phenol and detergents, use of naphthalene balls.

**Class Rooms:** Use of non-dust chalk is in practice. Class rooms are cleaned every day. Benches, desks and black boards are cleaned with a wet cloth on a daily basis. Dust bins are placed in every class room.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="https://atria.edu/assets/pdf/Atria-Mandatory-Disclosure-2021.pdf">https://atria.edu/assets/pdf/Atria-Mandatory-Disclosure-2021.pdf</a>

<b>STUDENT SUPPORT AND PROGRESSION</b>	
<b>5.1 - Student Support</b>	
<b>5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year</b>	
<b>5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year</b>	
612	
File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	<a href="#">View File</a>
<b>5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year</b>	
<b>5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year</b>	
72	
File Description	Documents
Upload any additional information	<a href="#">View File</a>
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	<a href="#">View File</a>
<b>5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills</b>	<b>A. All of the above</b>

File Description	Documents
Link to institutional website	Nil
Any additional information	No File Uploaded
Details of capability building and skills enhancement initiatives (Data Template)	<a href="#">View File</a>

**5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year**

405

**5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year**

405

File Description	Documents
Any additional information	No File Uploaded
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	<a href="#">View File</a>

**5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees**

A. All of the above

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Details of student grievances including sexual harassment and ragging cases	<a href="#">View File</a>

## 5.2 - Student Progression

### 5.2.1 - Number of placement of outgoing students during the year

#### 5.2.1.1 - Number of outgoing students placed during the year

407

File Description	Documents
Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

### 5.2.2 - Number of students progressing to higher education during the year

#### 5.2.2.1 - Number of outgoing student progression to higher education

23

File Description	Documents
Upload supporting data for student/alumni	No File Uploaded
Any additional information	No File Uploaded
Details of student progression to higher education	<a href="#">View File</a>

### 5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

#### 5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State

**government examinations) during the year**

3

File Description	Documents
Upload supporting data for the same	<a href="#">View File</a>
Any additional information	No File Uploaded

**5.3 - Student Participation and Activities****5.3.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) during the year****5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.**

2

File Description	Documents
e-copies of award letters and certificates	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	<a href="#">View File</a>

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms )

The students are part of multiple decision making and Administrative committees of the institute and contribute to the development of the institute, these are

- Grievance Redressal Committee
- Hostel Development and Welfare Committee
- Library Committee

The student council at Atria is composed of two student representatives nominated from each class. The council meets

regularly on quarterly basis under the leadership of Principal / Management. This group meets to discuss on the academic and other matters like:

- Infrastructure:
- Library:

There are separate student Committees for Cultural and Sports. The cultural committee comprises of a core committee and "Sapthrang" - our Annual Cultural Fest committee. The core committee is constantly active and responsible for conducting various co-curricular and extra-curricular activities of the college whereas the Sapthrang Committee is formed during the conduction of the Annual Cultural Fest Sapthrang.

File Description	Documents
Paste link for additional information	<a href="https://atria.edu/grievance.php">https://atria.edu/grievance.php</a>
Upload any additional information	No File Uploaded

### 5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

#### 5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

41

File Description	Documents
Report of the event	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions) (Data Template)	<a href="#">View File</a>

### 5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

#### Alumni Association - Atria Alma Connect

The college has Alumni association that is called Atria Alma Connect. It is a registered association. The first registration was done on 17th May 2017 and thereafter it has been renewed every year. The students of all branches of Engineering and Management are covered under this single body.

#### Objectives of Association:

The association is formed to connect with the alumni spread across the globe. The main objectives of the association are:

- Energizing the Alumni Activities in campus
- To foster a platform which provides an integration of all graduates and postgraduates towards the formation of a more perfect union which would herald overall development
- To facilitate and encourage alumni to contribute towards improvement of infrastructure for all round development of the current students
- To foster linkages amongst the alumni and promote personal and friendly relations through meetings and get-togethers
- To encourage the Alumni to take an active and abiding interest in the work and progress of the Institute to contribute towards enhancement of the social utility of their Alma Mater.
- Provide a forum for the alumni for exchange of ideas on academic, cultural, and social issues of the day.
- Foster the spirit of togetherness among the alumni of the College.
- Enlist value added services that could be provided

#### Institute Alumni Committee

S. No

Name

Designation

Position



1

Dr. T N Sreenivasa

Principal

Chairperson

2

Dr. Aishwarya P

HOD-CSE Dept

Convener

3

Mr. Azmathulla

Entrepreneur

Chief Mentor

4

Mr. Tarun G T

Software Engineer

President

5

Mr. James Melvin

Entrepreneur

Vice-president

6

Mr. Rajesh S

Entrepreneur

Joint secretary

7

Mr. Md. Ameenulla

Assistant Professor

Treasurer

8

Mr. Shridhar C

Regional Manager, Credit Card Operations, Karnataka Division, HDFC Bank

Joint Treasurer

9

Prof. Archana R Motta

Assistant Professor, MBA Dept

Member

10

Prof. Ashwini B T

Assistant Professor, Civil Dept

Member

11

Dr. Keshava Murthy

Professor, ECE Dept

Member

12

Prof. Praveen Kumar B C

Asst. Professor, Mechanical Dept

Member

13

Prof. Pallavi N

Asst. Professor, CSE Dept

Member

14

Prof. Vijayalakshmi

Asst. Professor, ISE Dept

Member

Plan of action

Goal 1. Remain financially sound.

1. Collect alumni registration fee from all passing out students

Goal 2. Promote the advancement of the College.

1. To identify and develop one Crowd-Funding campaign a year that will support a College initiative or host one event per year that will promote a specific fund-raising effort.
2. Invite faculty chairs to Exec. Committee meeting to discuss how the departments currently interact with alumni and how we can strengthen the connection between the students and alumni in their specific department.
3. Create a Community Engagement Committee to focus on external connections between the community and the College

Goal 3. Increase the visibility of the Alumni Association.

1. Have Alumni Board members available to speak at student events
2. the Alumni E-news or Alumni Newsletter

Goal 4. Engage and recognize alumni.

1. Award alumni like the Alumni Outstanding Service Award
2. Participate in at least one meeting of Academic Governance per year to develop ways to utilize alumni as educators and mentors.
3. organize alumni ecological trips plan at least one activity per year.

Goal 5. Maintain an up-to-date alumni database.

1. Explore efficiencies for the collection of data to become automated.
2. Continue to make connections with alumni through social media and follow up with an email request to complete an update form.

Goal 6. Strengthen Alumni Association relations with students.

Conduct at least 2 meeting with student alumni interaction sessions

Alumni to be incite as judges/mentors for various events .

Goal 7. Sustain an actively involved Alumni Board.

Host an Annual Alumni Board retreat to help set priorities for the next fiscal year.

Follow up.

Alumni activities during the year:

1. Atria Institute of Technology felicitated First Batch students of Computer Science & Engineering on 17thfeb 2022 for the success in Business asAussie AI sport analytics start-up Gameface.AI has been acquired by listed sports equipment giant Slinger Bags, in a deal worth almost \$33 million.
2. Alumni Talk On 23rd Dec 2021 by Mr. Manish Somashekhar, Executive hiring team, Capgemini on the topic Career Planning
3. Mega Alumni meet on 18thDec 2021 from 2.30pm to 7.00pm
4. Executive council meet on 4thDec 2021

a.Discussing about College level alumni meet conduction on 18 December 2021: Mode - Offline or Online

b.College new website: Alumni Testimonials & News letter - Discussion

c.College is working on NBA accreditation: we require alumni's feedback and support

5. The CODE club has invited Suprita S Rao who passed out in the year 2020 for the academic, curricular and extra-curricular discussion on 13thNovember,2021 at 10:30am.

6. Session by Mr. Adil Sabir Azeez on"Career in Luxury" 25thAug 2021,11:00amto 12:00 pm

7. Alma Connect meet on 12 july 2021 to let the alumni acknowledge their gratitude to their Alma Mater and to plan the felicitation the Alumni who are the entrepreneurs in India/Australia

8. Alumni talk by Ms. Shakshi on 19thJune 2021"Alumni Talk-Reminisce journey, Struggle and Success" 10:30am -11.30 AM

9. Motivational talk from topper - Ms. Supritha S Rao Date: 29th May2021

10. Strengthen your profile with Higher Education by Vikram Pole on 29 - May - 2021

11. Alumni Conversation by Srilatha S. and Sanjay Suryavamshe on 15 - May - 2021

12. Alumni Meet - 25 April 2021 - Only 2019 - 20 Passed out

13. Interaction with alumni on 21 April 2021 about the Vision, Mission and PEOs of the Department and Suggestions on how to conduct flipped classes efficiently and successfully.

14. Alumni Talk On 22nd March 2021 by Mr. Guruthej Vailaya, Manager, State Street Corporation topic Job Opportunities in Finance sector

15. Alumni Talk on 20th Feb 2021 by Ms. Sindhu Narayan, Ex-Customer Service Manager - Snap minds on topic Human Resources and entire gamut of jobs under this

16. Alumni Talk on 9th Jan 2021 by Mr. Abhijit Maney, Market Analyst Target India Bengaluru on topic Marketing and Job Opportunities in Online retail

17. Alumni Talk on 2nd Jan 2021 by Ms. Swetha Doddamani, Team Leader - Intellipaat Bangalore on topic Marketing and Job Opportunities in Digital Marketing
18. Alumni Conversation by Mohammed Zoheb on 31 - December - 2020
19. Alumni Talk on 28th Dec 2020 by Mr. Narendra Srinivasalu, County Manager - TVS Motors Nigeria on topic Marketing and Sales Opportunities in Automobile Industry
20. The importance of mental well being in pandemic time by Ghanashree M K S on 28 - November -2020
21. On the path to a bright career by Prashanth V on 3 - November - 2020
22. Start up Now by Glenson Toney on 26 - September- 2020
23. Alumni Meet - 25 July 2020 - All year passed out
24. View of the industry post COVID by Jeffrey Joseph on 7 - July - 2020

File Description	Documents
Paste link for additional information	<a href="https://atria.edu/alumni-connect.php">https://atria.edu/alumni-connect.php</a>
Upload any additional information	<a href="#">View File</a>

**5.4.2 - Alumni contribution during the year (INR in Lakhs)**      A. ? 5Lakhs

File Description	Documents
Upload any additional information	<a href="#">View File</a>

## GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

Atria institute of technology is committed to work towards reaching its vision set forth in its Strategic Development Plan - 2021. The leadership at the top in the nInstitution has set forth a set of values and decision-making process by participation of every employee at different levels of management. The management is committed to build a competency centric institution aiming at the highest level of ethical conduct and practices by all its employees to achieve its vision.

**Vision of the Institution:**

To be a premier technical and management institution that provides transformational learning and multidisciplinary research to develop socially conscious and competent professionals.

**Mission of the Institution:**

Atria Institute of Technology is committed to:

**M1:** Effectively disseminate knowledge between highly competent faculty and student community.

**M2:** Create an ambience that fosters a passion for learning and collaborative research.

**M3:** Nurture professionals who can add value to organizations, engage in higher studies and pursue innovative entrepreneurial activities.

**M4:** Provide best in class infrastructure to facilitate experiential learning in cutting edge technologies.

**M5:** Develop leaders who exhibit ethical behaviour in professional and societal activities.

**Core Values**

- Ethics
- Teamwork
- Professionalism
- Integrity

• Quality

The organization structure supports the formal and informal arrangements within the institution to coordinate the academic and administrative activities moving towards its cherished vision. The vision statement emphasizes a long-term goal of achieving the status of premier technical institution amongst the best in the country.

This has been stated after a careful brain storming session amongst the senior faculty of the institution with eminent professionals, academicians, alumni and the management personnel.

The vision clearly indicates the intention of the management to work towards achieving a lofty target by continuously improving the core processes which contribute to the highest level of quality and competence achieved in their out-going students.

The modus operandi adopted has been to create a system which addresses all the five mission statements in operation.

The Governing Council is the apex body constituted to oversee various Institutional activities, followed by Academic Advisory board, a team of dedicated department heads / functional heads and various committees.

The management believes that the core process of any education system would be the teaching learning process with two major constituents in the learners and the teachers.

Empowerment of teachers to acquire knowledge at the highest level and provide a serene and professional ambience for them to work in teams to contribute to improve and increase the system efficiency and effectiveness in mentoring and moulding the student capabilities has been the hall mark of the management contribution.

The faculty, both teaching and non-teaching are being deputed to attend workshop /lectures / training at institutions of higher learning / industry to acquire knowledge areas of technology / industrial practices.

Eminent scholars / practicing professionals from reputed institutions / industry would be invited to deliver lectures to our faculty in latest areas of technology. The institution has a well-organized approach towards building bridges with the industry



to bring in an atmosphere of professionalism to impress upon the young students minds to acquaint them of the rigors and challenges of the competitive industrial scenario at the global level. The faculty is encouraged extensively to explore experiment and research in their respective domain areas and in turn encourage the students to imbibe qualities of exploration, experimentation and self-learning.

Both students and faculty are exposed to various activities to absorb professional and ethical behaviour and responsibility towards serving the society.

File Description	Documents
Paste link for additional information	<a href="https://atria.edu/vision.php">https://atria.edu/vision.php</a>
Upload any additional information	No File Uploaded

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

The institution has various departments namely Computer Science and Engineering, Information Science and Engineering, Electronics and Communication Engineering, Mechanical Engineering, Civil Engineering and Basic Science and Engineering. In addition to this, we have the Management Program. Each department is being managed by Head of the Department who is made responsible and accountable for all the activities at the department level. The Management program is managed by the Dean, Atria Centre for Management and Entrepreneurship (ACME). To emphasize and focus on various aspects of administration. IQAC director is appointed to coordinate the academic and accreditation related activities. Being an affiliated institution, the examination norms are framed by the university and the institution has created a role of Controller of examination to maintain the confidentiality and integrity of examination affairs. Physical Education director handles the sports activities and the Facility Manager is responsible for all the maintenance activities in the campus. There are separate committees and activity heads to manage the co-curricular and extra-activities. Sub committees are formed to encourage the students to participate in various activities at the institution level, University level, State and national levels.

File Description	Documents
Paste link for additional information	<a href="https://atria.edu/assets/pdf/Organogram/organogram.PNG">https://atria.edu/assets/pdf/Organogram/organogram.PNG</a>
Upload any additional information	No File Uploaded

## 6.2 - Strategy Development and Deployment

### 6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Strategic development planning is a continuous process with a specific focus on accomplishing institutional strategic goals and departmental goals for a dynamic environment. Strategic planning always considers the available resources, the present environment of the institute and the external environmental factors that play a crucial role in the growth. Strategic development plan (SDP) analyses current environment anticipates future scenarios and envisages the future direction of the institution. It lays out the path to accomplish its vision and mission, follow core values and stick to quality policy.

The top management is committed to steer the institution towards its vision. The vision and mission statements have been formulated by a team of senior and experienced people interacting and brain storming sessions along with the top management, the principal, the deans and the HODs. The strategic objectives carefully written down are formulated into tactical developmental objectives and further filtered down to operational objectives. The directives and guidelines with well-conceived plans for implementation are handed down by top leadership. The academic and administrative aspects of the system align themselves with the vision and mission statements to improve the overall quality of activities in the organization

- Once the policies are formulated, which would lead the institution working towards its stated vision through specified missions; they are converted to a set of goals to be achieved.
- Long term goals are re-defined tactically to address medium term requirements, further reduced to short term operational goals.
- The HODs are responsible for implementing the goals to be achieved at their departmental levels. The faculty, both teaching and non-teaching, would be responsible for realizing the operational (short term) goals.
- Once such goals are finalized action plans to realize these goals are clearly formulated (including details

like the resources to be deployed and the people who will be responsible to execute the action plans as also the scheduled time horizon). • These goals and action plans would further be vetted down to departmental and individual action plans.

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	<a href="https://atria.edu/assets/pdf/mandatory_dislosures/Strategic-Development-Plan-Final-Jul-28-2021.pdf">https://atria.edu/assets/pdf/mandatory_dislosures/Strategic-Development-Plan-Final-Jul-28-2021.pdf</a>
Upload any additional information	No File Uploaded

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

Atria Institute of Technology has excellent academic setup and various committees are established by the Institute to monitor day to day activities and smooth functioning of the administration. As a part of the Department Advisory Committee, the faculty members are actively involved in providing their inputs on academic related matters and decision-making process. List of Committees, Members and Designation are given in the tabular form.

The policies and plans strategically are formulated and approved by the governing council for a period of not less than three years to five years on a time horizon and subsequently the tactical plan for a period of one academic year is framed with necessary targets (key process indicators -KPIs).

The principal further communicates through formal and informal processes to all the Deans and HODs. The heads of the departments further create their plan action for their respective departments and processes.

Teaching learning process is monitored by HODs through number of theory classes engaged and practical sessions conducted by the concerned faculty.

Students attendance, assignments and internal marks are monitored and recorded. Actions are taken wherever required by informing the parents, conducting retest, special classes, etc.

UG and PG student seminars/projects are monitored by the concerned guide and HODs as per the stages stipulated by the department so that the students would not repeat the project work. Also, care is exercised while approving the selection of the projects by the students that a seminar/project presented/executed in the department earlier is not repeated.

The performances of individuals, teams, departments and ultimately the institution are compared with set targets and monitored and evaluated from time to time. Any deviations which surface at any level from time to time is corrected or plan is revised in exceptional cases.

This HR Policy Document establishes rules and regulations, policies, procedures, benefits and working conditions that will be applicable to all employees (Teaching & Non-teaching Staff) as a condition of their employment in the Institution. The current policy is effective from 1st August 2019. It is expected that all faculty & staff members strictly adhere to the rules and regulations spelled out in this document. The management reserves the right to change, modify or revoke the policies, rules, and regulations as and when necessary and apply their discretion in specific cases. AIT has an employee Handbook available with all employees and published on the Website which covers all the General Information, Faculty & Staff roles, Policies concerning probation, confirmation & resignation, Leave, Salary and Payroll, Code of conduct, Travel, EPF & ESI.

There are also policies on Research & Development, IT, Placements, etc. and student handbook which are published on the Institute website

File Description	Documents
Paste link for additional information	<a href="https://atria.edu/mandatory-disclosure.php">https://atria.edu/mandatory-disclosure.php</a>
Link to Organogram of the Institution webpage	<a href="https://atria.edu/assets/pdf/Organogram/organogram.PNG">https://atria.edu/assets/pdf/Organogram/organogram.PNG</a>
Upload any additional information	No File Uploaded

**6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and**

A. All of the above

**Support Examination**

File Description	Documents
ERP (Enterprise Resource Planning) Document	<a href="#">View File</a>
Screen shots of user interfaces	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	<a href="#">View File</a>

**6.3 - Faculty Empowerment Strategies**

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

Faculty are encouraged to attend Faculty Development Programmes. They can attend FDPs conducted in other institutions. In addition, in-house workshops such as Training, Webinars, Conferences have been conducted for the faculty.

We have an Appraisal policy which measures participation in research, conference, FDPs other than student performance, student feedback and co-curricular activities. Annually the performance appraisal process is executed. Based on the performance appraisal faculty get their increment and they are also considered for promotion, if eligible. The welfare measures are summarised below:

Teaching Staff:

- 1) A suitable group insurance scheme
- 2) Maternity leave and paternity leave
- 3) OOD to attend FDP/Conference/Workshop
- 4) Financial assistance for attending conference
- 5) Fee concession for staff wards
- 6) Awards for publishing peer reviewed journals/patents
- 7) Medical facility in the campus
- 8) Outstanding award for excellence

**Non-Teaching Staff:**

- 1) A suitable group insurance scheme
- 2) Maternity leave and paternity leave
- 3) OOD to attend training/Workshop
- 4) Fee concession for staff wards
- 5) Medical facility in the campus

File Description	Documents
Paste link for additional information	<a href="https://atria.edu/careers.php">https://atria.edu/careers.php</a>
Upload any additional information	No File Uploaded

**6.3.2 - Number of teachers provided with financial support to attend conferences/ workshops and towards membership fee of professional bodies during the year****6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year**

100

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	No File Uploaded

**6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year****6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year**

56

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	No File Uploaded
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	<a href="#">View File</a>

### 6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

#### 6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

144

File Description	Documents
IQAC report summary	No File Uploaded
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	No File Uploaded
Details of teachers attending professional development programmes during the year (Data Template)	<a href="#">View File</a>

### 6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

Atria Institute of Technology follows a four -stage performance appraisal system:

**Stage 1: Performance Goal Setting**

## Stage 2: Performance Assessment

## Stage 3: Development Planning

## Stage 4: Rewards and Recognition

### Performance Goal Setting

1. Each faculty member is required to submit an Annual Work Plan (Performance Goal Setting) of their activities for the academic year in a prescribed format in the month of July every year for the forthcoming Academic Year. [as per summary sheet format below]
2. This work plan will include all the activities to be carried out by the faculty including teaching, research & publication, consulting, institution building, support required from the Institution etc.
3. The concerned HOD will discuss and finalize this plan keeping in mind the needs of the individual and the institution.
4. The final plan will then be kept on the personal record of the concerned faculty.
5. When the individual faculty submits the plan for the next year, she/he will also submit actual achievement against the plan and point out the areas of deviation and reasons thereof.

### Performance Assessment

The appraisal forms are shared with the appraisee by HR in 1st week of July. Self-Assessment to be completed by appraisee by mid-July. Appraiser to hold discussions with the appraisee and complete assessment process by August end including identification of Training Needs and Goal Setting for the next academic year. The ratings are also disclosed to the Appraisee. Appraisal outcomes are shared by mode of Email to the Faculty members in mid-November. All Appraiser and Reviewer/ Moderation Committee discussions and effective compensation revisions and promotions are finalized by mid-October. Any appeal to the Moderation Committee/ Reviewer needs to be made by mid-September and ratings shall be finalized by end September.

### Performance Appraisal Form

All AIT full-time regular faculties completed probationary period are eligible for the Annual performance evaluation. During the



annual evaluation process, each faculty member has an opportunity to review strengths, weakness and expectations based upon his/her accomplishments during the preceding year. The annual review process also allows a faculty member to work with the institution head to establish goals and evaluation standards for the next academic year.

#### Development Planning

- Performance feedback
- Training needs identification
- Identification of Interest areas

#### Rewards & Recognition

- Increment
- Promotion
- Training and Development

A comprehensive format has been developed to capture information regarding multiple activity levels of the faculty. A transparent evaluation system has been in place both at the departmental and institutional levels. The appraisal process consists of:

- Self-appraisal by the faculty in the prescribed format which contain information like the personal data, professional achievements during the year including the semester end examination results, student perception feedback of class room performance and interpersonal relationship, FDP/conference attended / conducted, knowledge enrichment activities undertaken, Research publication, patents applied and published, funds received etc.
- The HOD, after perusing through the information provided in the self-appraisal report, would evaluate the faculty performance and submit to principal with appropriate recommendations.
- The principal collects the faculty appraisal from all the departments evaluates the same and recommends for increment and/or promotion and , communicates the same to the concerned faculty after the approval of the management.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

### 6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

Atria Institute of Technology is a self-financed institution. Regular internal and external audits are conducted and transparent records of all financial transactions are maintained. External Surveillance Audit is conducted by Chartered Accountants. Vouchers, TDS, bills, quotations, purchase orders and authorization of payments are examined by the auditors. Quotations are sought from vendors, genuine ones are identified and the Chairman's approval is taken before finalising the vendors. The final approving authority for any financial transaction is the Chairman. Both the internal and external auditors also check the payrolls, attendance, Form 16, TDS deduction, documentation of tax proofs, etc. The external auditor for the institution is M/s Manohar Chowdery and Associates.. The external auditing goes on for two months and after the completion of it a report is submitted to the institution. Any kind of feedback or suggestion is intimated to the accounts department. The institute uses accounting software's such as Tally ERP, Saral TDS, and has a record of maintaining error free accounts.

File Description	Documents
Paste link for additional information	<a href="https://atria.edu/assets/pdf/mandatory_disclosures/Audited%20Financial%20Statement%202020-21.pdf">https://atria.edu/assets/pdf/mandatory_disclosures/Audited%20Financial%20Statement%202020-21.pdf</a>
Upload any additional information	No File Uploaded

**6.4.2 - Funds / Grants received from non-government bodies, individuals, philanthropers during the year (not covered in Criterion III)**

**6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)**

Rs. 72,92,444/-

File Description	Documents
Annual statements of accounts	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	<a href="#">View File</a>

#### 6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

The institution has a well- established system with processes and procedures for planning and allocation of finances. The board of trustees, the AAB and the GC strategically would plan the budget and direct all the processes and procedures for disbursement and utilization of allocated resources. • The available resources are utilized for discharge of revenue and capital obligations. The remaining surplus normally is parked in short term deposits. Prospective capital and development expenses would be met by utilizing the short term deposits. • The institution prepares a comprehensive budget to provide for meeting the expenses of both the academic and administrative activities for academic year which will be approved and authenticated by top management.

- The Principal is provided a financial deligation of rupees five lakhs and HoDs with rupees twenty five thousand.
- The system ensures that the optimal utilization of the budget is strictly adhered.
- The outflow of resources from the institution has to be adhered to and be within the provisions of the approved budget and any of such expenses overshooting such provisions will have to be ratified by AAB/ GC after due deliberations. Without such a formal approval no such overshooting expense can be financially discharged.
- The top management in its wisdom reviews the status of funds parked in short term deposits from time to time and ensures maximum returns on the capital by suitably switching such deposits.

File Description	Documents
Paste link for additional information	<a href="https://atria.edu/assets/pdf/mandatory_dislosures/Audited%20Financial%20Statement%202019-20.pdf">https://atria.edu/assets/pdf/mandatory_dislosures/Audited%20Financial%20Statement%202019-20.pdf</a>
Upload any additional information	<a href="#">View File</a>

## 6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

The institution has established an Internal Quality Assurance Cell. The head of the institution is the chairman of the cell with a senior professor as the coordinator. The HODs, selected senior faculty, a management representative, an alumni and an industry representative are members. • The Institution has a clearly stated quality policy in alignment with the vision, the mission statements and the core values. • The Institution has prepared a Quality manual clearly defining the various processes with inter-relationships between/amongst them with details of metrics which reflect the performance of each process associated with that. • The above relationships are well defined and depicted in the organization structure; The structure so designed would involve every employee in producing quality in the value added to the students with a culture of continuous improvement associated with each process. • processes across the institution which involve the teaching-learning process, human resource development and empowerment processes (training in domain area, life skills, OBE etc.), placement and training process and other processes. The documentation recording the completion of the processes at the institution level are maintained as records. • The IQAC would meet at least twice in a year to plan, direct, monitor, measure, evaluate and correct deviations wherever necessary for smooth operation of processes and improved system efficiency and effectiveness.

File Description	Documents
Paste link for additional information	<a href="https://atria.edu/naac.php">https://atria.edu/naac.php</a>
Upload any additional information	No File Uploaded

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

The institution undertakes system/process audit for academic activities through its own trained auditors on a regular basis at least once in a semester. • Generally, the audit would envelop all the processes and procedures defined in the system and any non-compliance would be identified. The audit would be conducted at the departmental level for all the processes which are within the

purview of the departments. Normally the department is audited by the faculty of another department. • VTU through its Local Inquiry Committee (LIC) audits our academic system once every year and the audit report is provided to us. We initiate corrective actions to overcome the deficiencies indicated in the report. • AICTE audits our institution for compliance of mandates prescribed to maintain the quality of technical education whenever it deems it fit. • Any deficiencies identified in any of the audits conducted would be attended to at the appropriate level. Not only the corrective actions are immediately implemented to overcome the deficiency, but also pro-active preventive actions would be initiated and put in place to overcome repetitions of such deficiencies.

File Description	Documents
Paste link for additional information	<a href="https://atria.edu/naac.php">https://atria.edu/naac.php</a>
Upload any additional information	<a href="#">View File</a>

**6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)**

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	<a href="https://atria.edu/mandatory-disclosure.php">https://atria.edu/mandatory-disclosure.php</a>
Upload e-copies of the accreditations and certifications	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Upload details of Quality assurance initiatives of the institution (Data Template)	<a href="#">View File</a>

## INSTITUTIONAL VALUES AND BEST PRACTICES

## 7.1 - Institutional Values and Social Responsibilities

### 7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

Atria Institute of Technology is a campus that pays its way towards raising awareness of gender equality concerns. The campus provides non-discriminatory education that could benefit both women and men which is the key to keeping the promise of education for all. There is no discrimination in the name of sex and all students are equally entitled to the matters pertaining to the college. To neutralize this norm on gender equality the college organizes several gender sensitization programmes conducted by various departments, such as a webinar organized by the IEEE student branch, WIE group, AIT titled "Research and Innovation for Women Empowerment", a webinar on "Women Empowerment - A Myth or A Reality", and a webinar titled "Women Empowerment - A Myth or A Reality". Apart from this the college also observes International Womens' Day every year in a grand manner, by organizing guest lectures and events for students. The safety of girls is a top priority and the institute provides a comprehensive range of security amenities especially for girls within the premises, through a dedicated team of security personnel. Separate boarding and lodging facilities are provided for girl students who come from various parts of the country and a separate warden is put in charge of their well-being. The college has a trained counselor who looks into the matters of students and provides them with timely help. Apart from this, the college has multiple cells such as the Grievance Redressal Committee which works with the objective of preventing unfair practices and providing a mechanism to students for redressal of their grievances.

The Anti-Ragging Committee of the college is responsible for inculcating the culture of a ragging-free environment on the campus, and designing strategies and action plans to curb the menace of ragging in the college. The Anti-Sexual Committee is a permanent cell to develop guidelines, to combat sexual harassment, violence against women, and ragging at the college. We believe in inclusion by fostering equality in a healthy, progressive and productive way. And for this, the college is a space to facilitate gender-inclusive awareness, by encouraging dialogue on gender identity, gender equality, and bringing about a social change for the betterment of the student community.

The college had also invited the Police Department of Hebbal, to sensitize the women on campus on the importance of self-care. Every faculty and student of the college were oriented about the

Suraksha Application, a mobile application developed by the Government of Karnataka to protect women from any impending danger. Students and faculty were asked to download the application and use it at any time of emergency.

Our college has also recognized the need for personal space for girls and has a separate room for them. The room is a spacious one with a cot and other amenities for the girls to rest, in case of an emergency. This room is a safe space for the students of the campus.

File Description	Documents
Annual gender sensitization action plan	Nil
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	<a href="https://atria.edu/councilss.php">https://atria.edu/councilss.php</a>

**7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment**

B. Any 3 of the above

File Description	Documents
Geo tagged Photographs	<a href="#">View File</a>
Any other relevant information	No File Uploaded

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

The institution follows a waste management program to maintain waste generated in the campus. The estate manager of the institution is responsible to maintain conducive atmosphere in the campus

1) Solid waste: Canteen area, Office block, administrative block and class rooms: The steps are taken to segregate the waste at the

sources itself. The solid wastes from the mentioned sources are mainly dry, which would contain paper, paper plates and cups, plastic bottles, wrapping materials etc. are collected in the bins provided at sources. The facility manager instructs the house-leaping force to collect and move the waste to central collection area. The solid waste thus collected is disposed off through BBMP collection service on daily basis.

2) Liquid Waste : Toilets, Hostel and canteen Kitchen:Liquid waste generated in the campus is collected through sewer network and sent to treatment unit located near Boy's hostel of the institution The capacity of treatment unit is 100 KLD and mainly consists of filtration unit. The treated wastewater is used for gardening purposes. The excess wastewater generated is sent to municipal sewer.

3)Food waste -Hostel and Canteen:The hostel mess and canteen has a mechanism to collect the food waste generated and disposed off utilising the BBMP collection service on a daily basis.

4)Sanitary waste -Wash rooms:The sanitary wastes, mainly sanitary pads, generated is collected and sent to incineration process available in the institution for hygienic disposal of the waste.

5)E- waste: Discarded computers and accessories E-waste generated in the campus would be stored at a central place and is disposed off on annual basis by identifying a suitable vendor.

6) Hazardous waste:Hazardous chemicals present physical or health threats to workers in clinical, industrial, and academic laboratories. They include corrosives, carcinogens, toxins, irritants, as well as agents that damage the lungs, skin, eyes, or mucous membranes. Organic solvents like Acetone, Ethanol should be collected in a container with a tight-fitting lid and labelled as used hazardous chemicals. Corrosive liquids, such as strong acids should be disposed of as hazardous waste by neutralizing them with bases. However, if appropriately diluted to a pH between 5.5 and 10.5, these can go down the drain.

Solvents are separately collected in plastic or metal containers, e.g., benzene, ether, ethyl acetate, acetone. Acid waste that does not contain metallic toxins or fluoride and has a  $\text{pH} > 4$  can be disposed into the drain with copious amounts of water.

7) Garden waste: A sizable quantity of garden waste in the form of dropped leaves is collected and utilised to prepare organic manure



in the campus.

On the whole, the waste generated in the campus is maintained well. Though it is not a zero waste campus, a portion of it recycled in the campus, which is a good practice applied in the institution.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	<a href="#">View File</a>
Geo tagged photographs of the facilities	Nil
Any other relevant information	No File Uploaded

**7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus**

A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Any other relevant information	No File Uploaded

**7.1.5 - Green campus initiatives include**

**7.1.5.1 - The institutional initiatives for greening the campus are as follows:**

1. Restricted entry of automobiles
2. Use of Bicycles/ Battery powered vehicles
3. Pedestrian Friendly pathways
4. Ban on use of Plastic
5. landscaping with trees and plants

A. Any 4 or All of the above

File Description	Documents
Geo tagged photos / videos of the facilities	<a href="#">View File</a>
Any other relevant documents	No File Uploaded

### 7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

**7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities**

**B. Any 3 of the above**

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View File</a>
Certification by the auditing agency	No File Uploaded
Certificates of the awards received	No File Uploaded
Any other relevant information	No File Uploaded

**7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading**

**B. Any 3 of the above**

File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Policy documents and information brochures on the support to be provided	No File Uploaded
Details of the Software procured for providing the assistance	No File Uploaded
Any other relevant information	No File Uploaded

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

Learning activities have a visible element for developing sensitivities towards community issues, gender disparities, social inequity etc. and in inculcating values and commitment to society. Processes and strategies that relevantly sensitize students to the social issues and contexts. Practices of the institution leading to superior performance resulting in successful outcome in terms of generating knowledge which will be beneficial for the learner as well as the student and faculty community.

#### Institution-Neighborhood Community

Atria IT is centrally located with campus spreading over 17.5 acres. Bangalore Baptist Hospital, University of Agriculture Science College, NCBS, Fisheries and seed institute and large number of MNCs are located in the vicinity of Atria IT. Within the Atria IT campus Kupparaju School, Bliss Technologies and GPS tracking are located. Atria IT organizes annual project exhibition and invites children from nearby schools to the exhibition centre and creates awareness on science and technology. Student volunteers from Atria Institute of Technology also visit Kupparaju school regularly and conduct programmes in the school creating awareness on social relevant activities by use of technology. Atria IT in association with BLISS technologies is involved in spreading awareness on first aid and primary medical services during emergencies. Students from Atria IT are encouraged to actively participate in promotional events being organized among rural population and people in need. The campus has four play grounds and the management encourages the neighboring community to use the playground facility for sports activities, community activities, Rotract Club and people use the facility as walking

tracks.

#### Holistic Development of Students

The placement department regularly conducts soft skills and behavioral skills programme from first year onwards by inviting eminent personalities. Every semester around 10 hours of sessions are conducted by the placement department.

#### Empowerment of faculty members

Eminent personalities are invited to deliver sessions on teaching and learning methods, managing students, students counseling, and behavioral skills for faculty members.

#### Career Guidance

During the annual day events and first year inauguration programme, Atria IT policy is to invite eminent personalities (IAS/IPS officers, Presidents or Vice-presidents of MNCs, film personalities, High Court Judges, Politicians, Personalities working in NGOs and Head of Institutions) as guests and is requested to address students on their life experiences and encourage them to be good citizens.

The institution has very strong alumni association, through which institution is able to track the students involved in taking up UPSC, KPSC and other CSIR examination from the above alumni association. Institution also track the students involved in mass communication through various social networking media to promote roles and responsibilities of good citizenship. Mechanical engineering department from Atria Mechanical Engineers Club (AMEC) organized an opening of bank account mela in the campus for students and faculty with State Bank of Mysore.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	No File Uploaded
Any other relevant information	No File Uploaded

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

AIT has always taken pride in preparing a sound academic foundation for the student community; the college constantly works to develop them as better citizens of the country. In this regard, the institute, apart from imparting professional education, inculcates a feeling of oneness within each student through various practices and programs. Our faculties have developed the practice of organizing activities that not only initiate but also motivate the students to adopt various practices that promote the "Unity in Diversity" of our motherland.

The college organizes various programs on a timely basis for the promotion of constitutional values. The college strives to foster the idea of responsible citizenship among its stakeholders. In-campus programs are initiated to create awareness about the national identity and integrity among the students.

Every year AIT observes Constitutional Day on the 26th of November. This day commemorates the adaptation of the Constitution of India. Apart from this to instill the knowledge and importance of the Constitution, the college has also adapted a special subject recommended by VTU titled "Constitution and Public Health" for all the II-year BE students, to sensitize the importance of constitutional rights and values. Apart from this teachers also participate in various webinars organized by AICTE.

Students are often reminded of their duties, rights, and responsibilities by the teachers, and a spark of patriotism is always instilled in them. Various academic and co-curricular activities for the propagation of the Fundamental Duties and Rights of the Indian citizens are conducted in the form of events such as poster-making competitions, speech and debate competitions, guest lectures, webinars, etc.

Blood donation camps are organized at the college level to help students and teachers volunteer to donate blood and save humanity. The college also has a tradition of celebrating International Women's Day every year in great grandeur. This day is witnessed by organizing webinars, seminars, guest lectures by eminent women achievers and they are felicitated by the Principal for their achievements and progress made to humanity.

The campus has a vibrant student community, and AIT is known for welcoming students from all borders of the country to instill the light of knowledge in them. There is a spirit of unity and oneness among our students, and we have witnessed a wide cultural exchange

among its stakeholders. There is no record of discrimination witnessed in any part of the campus and every ATRIAN works for the well-being of one another. The campus has no records of disparities found either among the student or teaching fraternity in the name of gender, caste, class, religion, etc.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	<a href="#">View File</a>
Any other relevant information	No File Uploaded

**7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff 4. Annual awareness programmes on Code of Conduct are organized**

A. All of the above

File Description	Documents
Code of ethics policy document	<a href="#">View File</a>
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	No File Uploaded
Any other relevant information	<a href="#">View File</a>

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

AIT is known for celebrating important days to create awareness among students. In this regard, the college observes all National festivals in a grand manner. Republic day is celebrated on the 26th of January every year, to commemorate the efforts taken by

Dr. B R Ambedkar, the Father of the Indian Constitution, who envisioned the progress of the country at the time of independence. The day marks the importance of the Constitution where numerous personalities deliver speeches on the significance of preserving the rights and values of the Constitution.

Celebration of Independence day on August 15th marks the importance given to the freedom fighters of the country. The day is celebrated by hoisting the Nation flag, recitation of the National anthem followed by speech deliverance by eminent personalities of the college. To foster the spirit of nationalism cultural programs are organized by the student and teaching fraternity, who join hands to spur their love for the motherland. Engineers day is celebrated on 15th September to commemorate the contributions of Sir M Visvesvaraya, towards the field of engineering. A renowned person in the field of engineering is honored during the program and the main intention of this celebration is to show how engineers play a very crucial role in the economic progress and development of a country. Teachers day is celebrated on September 5th to commemorate the works of the great visionary Dr. Sarvepalli Radha Krishnan. On this day the teachers of the institution are honored for their services rendered to the institution. National Science Day is celebrated on February 22 to mark the discovery of the Raman effect and to make students realize the importance and role played by science in our society. The day is celebrated by organizing seminars and various programs for students. National Mathematics Day is celebrated on 22nd December, which marks the birth anniversary of the famous Mathematician Sir Srinivasa Ramanujan. Various events are organized by the students throughout the day pertaining to the field of Mathematics.

International events such as World ozone day is celebrated on the 16th of September, where guest lectures are given by eminent speakers and researchers. World Rose day is celebrated on September 22nd to create awareness among students about the precautions to be undertaken to stay away from this disease. Famous oncologists from hospitals are invited to orient the students on the effects caused by cancer. Disaster Management Day is witnessed on 13th October, to show how people and communities around the world are reducing their exposure to disasters and raising awareness about the importance of reining in the risks that they face.

Environment Day is celebrated on June 5th. On this day students take an oath every year to protect the environment they live in

and also take the initiative to clean the campus and plant more trees within their localities. Pi Approximation Day is celebrated on 22nd July, to mark the importance of the constant Pi. Various innovative activities and events are organized for students throughout the day.

Apart from this, the college celebrates National festivals such as Deepavali, Dussehra, Christmas, etc. To instill the seeds of Indian culture amongst the widespread student fraternity of the college. The aim of such celebrations is to promote oneness and brotherhood among everybody.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	No File Uploaded
Geo tagged photographs of some of the events	No File Uploaded
Any other relevant information	No File Uploaded

## 7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

### Student Support System

#### Mission

Student Support System (SSS) is an initiative by department of CSE. Our mission is to empower students to:

- Develop the necessary skills, knowledge and attributes to complete a course
- Achieve maximum academic success and career readiness.
- Graduate as skilled, self-actualizing professionals

This is accomplished by daily follow up student attendance status and extra tutorial classes for students.

#### SSS-Action Plans

Action-1: Collect data and document



- Updating of student Portfolio book
- Attendance record

**Action-2: Analyze to prioritize**

- Students who have scored less than 25 internals are identified

**Action-3: Set smart goals**

- Weekly tests are conducted for weaker students
- Assignments are given

**Action-4: Determine result indicators.**

- Compare the previous and present results

**1. Mentoring/ Counseling System**

1. Title of the practice: Mentoring/ Counseling System

2. Goal: The Mentoring system assigns a faculty member to every student; the faculty plays the role of a personal mentor for the student in all matters. For the institute, the mentor is the first point of reference for all matters concerning any specific student. The mentor guides the student at every step of their stay at the institute to be successful at whatever the student takes up. The mentor personally ensures that the student is aware of all the resources available for the student during their course of study at the institute.

3. The context: The mentoring system is relatively new in general to a student entering the institute. The students do take some time to familiarize and feel more comfortable with their mentors and most importantly develop confidence in them.

The students meet their mentors to consult with them regarding courses to take and to guide them through the registration process. The students then meet their mentors after every internal assessment test to update them on their progress in performance. The mentor identifies students who may need extra attention to improve their performance and schedules more interaction with them.

1. The practice: He is a personal mentor and counsellor for the

duration of stay of a student at the institute. A mentor represents a parent away from home for a student and is the first point of reference for the activities of a student during the complete course of study at the institute. As soon as a student enters into the institute, a faculty member is assigned to take over the role of a mentor for the student.

The mentor not only guides the student in academic matters but also any matter of concern for the student. The student seeks the advice of the mentor at every step of their course of study beginning from the registration for courses at the start of every semester. The students meet their mentor regularly. However, depending on students need the mentor conducts more meetings with their students and their parents. The mentor educates the student about the various course requirements, such as the mandated minimum and maximum course load every semester, and how to choose electives. The mentor helps the student channel their interests and energies effectively during the complete course of study at the institute.

The students meet their mentors for various reasons; some students would like extra help with the material in a course and are shy to approach a new instructor assigned to the course, few might be facing problems adjusting to the new environment may be in the hostel or at other places around the institute, some others would like to know about their options of availing various resources at the institute and participating in various extra-curricular activities like joining a debate club at the institute, group students would like to know about their options for going through internships during the break or even the benefits of the same, few might want to do some minor project work or participate in various competitions in addition to their courses, some other might want to seek guidance after graduation and how to figure out where they would fit in better. At times the students might just need someone who can give them personal time and attention by listening to their struggles in transitioning from high school to a higher education environment and finally in becoming a constructive member of society.

1. Evidence of success: The most important evidence of success for the mentoring system is from the testimonials of the end-users. The students and their parents have been very happy with the mentoring system. Generally, for the complete duration of the course of study of a student any one faculty member has been effective in assuming the role of a mentor.

The behaviour of the students on the campus, in general, has witnessed a tremendous improvement and the students are much happier and contented with their course of study at the institute after the implementation of the mentoring system.

The pass percentage and the average academic performance of the students have also achieved greater heights with this practice. Some students have presented themselves as quite a challenge for their proctors, but they figure out their priorities and start performing better after counseling sessions with their mentors. The students have been at most risk during their initial stages in the course of study. The transition from a high school environment to a higher education set-up proves to be too sudden for some students. The mentoring system has addressed the needs of the students and effectively nurtured many students during the duration of its implementation.

1. Problems encountered and resources required: Despite our best efforts in the effective implementation of the mentoring system, there is still a small percentage of students who discontinue their course of study at the institute. The percentage of dropouts did reduce after implementing the system, but still few cases remained unsolved. Some students have required a great deal of time and effort from their mentor but have shined after. However, the depression that a small percentage of students went through was too critical for us to handle. We are planning to establish a centre with professional counsellors.

#### 1. Foundation courses

1. Title of the practice: Foundation courses
2. Goal: To develop, consolidate and strengthen mathematical skills and techniques that are essential to pursue an undergraduate program in engineering.
3. Context: Courses have been designed to provide a sound foundation in function, Calculus, Trigonometry and Differential Equations. These courses develop mathematical content to support further studies. This understanding will help faculty to improve and augment students' performance in their first year of engineering education.
4. The practice: The most significant principles related to teaching and learning of mathematics includes the expectations that teachers know what students need to learn based on what they already know. Tasks are built on students' prior knowledge, moulding their weaknesses of

their subject knowledge of the lower class, making connections to concepts, procedures, and understanding.

5. Evidence of success: The majority of taught classes will begin with a short "lecture" introducing and explaining concepts but the majority of the time in each session will be devoted to students completing formative exercises to build and develop their learning skills. The pass percentage and the average academic performance of the students have also achieved greater heights with this practice.
6. Problems encountered and resources required: In spite of all the motivation extended to the students to attend the foundation courses, some of them are home-sick/de-motivated for various reasons and do not take this seriously. However, the percentage of this category is very small and hence we continue to push a maximum number of students to get benefitted by this foundation courses.

#### 1. Project-based learning:

1. Title of the practice: Project-based learning for elective subject MSP430 Microcontroller
2. Goal: To give practical experience in learning the subject
3. The context: Students were given hands-on training (out of the syllabus) in various MSP430 microcontroller development boards and also software tools like IAR Embedded workbench, Code composer studio, and Energia.
4. The practice: A practical session was conducted once a week to teach the students and practice. Students used to learn to execute the related programs and learn the subject practically. At the end of the semester, students who opted the MSP430 as the elective subject had done a mini project and successfully completed.
5. Evidence of success: Students have completed mini-project and scored good marks with 100% result.

#### 1. COE Activities:

1. Title of the practice: COE Activities for Students
2. Goal: Bridge the gap between industry and academia by making students Industry ready
3. The context: In Atria, three different domain activities are conducted for students 4th and 6th semesters under the VLSI, Signal Processing, IoT and Embedded system COE. These activities are conducted to train our college students in various industrial aspects to make them Industry ready.
4. The practice: Students will be trained with hands-on

experience on industry-standard tools like CADENCE in VLSI domain, MATLAB and SIMULINK in signal processing domain, and Code Composer Studio and similar tools for IoT and embedded systems. (A detailed content planned is shared with mail).

5. Evidence of success: Just started (affected by COVID-19)
6. Problems encountered: Number of sessions assigned to each domain activities seem to be less.

(ECE Department specific)

Following Programs Conducted for students,

1. Various SDP (Student Development Program) conducted by in house faculties and guest lectures.
2. Placement training for students in specific to various companies
3. Bridge course are conducted
4. Project Based learning
5. "Industry Ready" activities
6. VALUE ADDED PROGRAMS, Industry training and certifications.
7. Visit to IISc on "IISc OPEN DAY".
8. MENTORING & COUNSELING
9. Remedial Classes
10. Class for needy students (Teaching the students who has backlogs)
11. Encouraging students to apply for sponsorship for their projects. (Like KSCST, TEXAS,...)
12. Student Participation in Competitions such as L &T TECHgium, IICDC TI competition, hackathon, Makeathon, etc.,
13. Special labs beyond curriculum like IoT, VLSI, Networking and Signal Processing.
14. Elective Courses - Invited talks
15. On-line courses Like NPTEL/SWAYAM/ Coursera etc.,
16. Faculty training/FDP Technical/non-technical
17. Participation in Technical clubs (FUSE), projects, and pursuit of hot topics in Centres of Excellence gives exposure on cutting edge technologies.
18. GATE classes are conducted for GATE aspirants.
19. Experiential learning is implemented for some subject. Students learn the subject with hands-on experiments during the class.

Best Practice Details : 1.

1. Title of the practice:COE Activities for Students

2.Goal: Bridge the gap between industry and academia by making students Industry ready

3. The context:In Atria, three different domain activities are conducted for students of 4th and 6th semesters under the VLSI, Signal Processing, IoT and Embedded system COE. These activities are conducted to train our college students in various industrial aspects to make them Industry ready.

4.The practice:Students will trained with hands-on experience on industry standard tools like CADENCE in VLSI domain, MATLAB and SIMULINK in signal processing domain, and Code Composer Studio and similar tools for IoT and embedded systems.

(A detailed content planned is shared with mail)

5.Evidence of success:

6. Problems encountered: Number of sessions assigned to each domain activities seem to be less.

Best Practice Details: 2.:

1. Title of the practice:GATE classes

2.Goal: Training the students to crack the GATE exam.

3. The context:

The students of the ECE Departments are encouraged for the Higher Study, at department awareness webinar is conducted for 6th Semester and 8th Semester Students. More than 60 Students has shown the interest in the GATE Exam for their higher study.

4.The practice: We conducted classes for the interested students on Saturday for 2 hours.

5.Evidence of success: This semester students have to appear in the GATE Exam in the coming February 2022.

6. Problems encountered: Because of the online mode it is difficult to motivate students for long sessions.

File Description	Documents
Best practices in the Institutional web site	No File Uploaded
Any other relevant information	No File Uploaded

### 7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

Established in 2000, Atria Institute of Technology has been standing strong for two decades as an engineering and management institute. With a sprawling 17.5 acres of campus in the heart of the city, the institution is currently conducting five undergraduate programs, three postgraduate programs in engineering and a master's program in Business Management. Owing to the best of infrastructural and academic facilities, Atria Institute of Technology has a pool of researchers across IISc, IITs, IIMs, NITs and other reputed Institutions across India and abroad. To corroborate the theoretical fundamentals with real-life situations, the faculty base includes trainers with rich corporate experience.

Founded in 1960, Atria as a group is a diversified conglomerate with interests in renewable energy, healthcare, hospitality, education, training and information technology. Atria Power, ACT, Atria Radisson Blu, Xcelerator, Brains and Intellicar are a few of the brands under Atria Group, Atria aims to provide the extraordinary facilities maintaining an equipoise on knowledge and co-curricular requirements to ensure the overall development of the student. We seek to inculcate an adaptive mindset through our principles of learning to learn, learning by practise and learning through enabling. by establishing centres of excellence under various domains as detailed below:

#### New-Age Skill Certifications and Industry Partnerships

To adhere to these principles, constant efforts to equip the students with new age skill certifications like AI & ML, CISCO, IoT, Robotics, Nano Electronics, Wireless Networks, VLSI, Embedded, Signal Processing and Communication are made regularly from each engineering department. To enable them with practical skills and get trained on real-time problem-solving tools regular industry visits and internships are organised. Intellicar Telematics Pvt. Ltd, Infosys Campus Connect, Clevertize Pvt. Ltd,

Apex India, Infosys, ISRO, NIMHANS, CISCO, Incubate IND, Nano Robotics Embed Systems, Gameface.ai, Ewinto, Intellicar, Revv Engg Indian Cyber Army, Confident Media are few of the names that help us fulfil our initiative of providing them practical knowledge through internships, certification courses and industry visits.

#### Additional Cutting-Edge Topics and Institutional Partnerships

Creating visioneers of the future is an ongoing task which involves distinctive efforts to craft the competency required for each student, to help them explore their interests, follow their passion and discover their path. Hence, the teaching fraternity is constantly focussed on training the students with cutting edge topics like AI, Big Data, Bioinformatics, Cloud Services, Computing Research, Crypto-Currency, Cybersecurity, Machine Learning, Internet of Things, Self-driving Cars, Smartphones, VLSI, Embedded, Signal Processing and Communication, AutoCAD, Digital Signal Processing, Smart Devices, HDL, Wireless Sensor Networks, Mobile Adhoc Networks, Mechatronics, Artificial Intelligence, PLC, CNC Programming and Robotic Programming in addition to their curriculum. Other Institutional Partnerships include:

- Training and Research partnership with Central Manufacturing Technology Institute (CMTI)
- Active Partner of IIT Bombay initiative - Student Solar Ambassador Workshop
- Merit certificate for NPTEL Courses from IIT Madras has been done
- Advanced self-learning opportunities of various industrial sponsored programs such as Arm University Program, Mathworks Minidrone Competition, Github for Education, AWS Educate.

#### Centre of Excellence and Laboratories

State of the art laboratories and centres of excellence have been set up to incorporate the in-demand interdisciplinary skills for the Digital Economy of tomorrow. Such laboratories include: Digital Manufacturing, Mechatronics, CNC, Robotic Programming in Mechanical Department; Total Station, Theodolite, Digital Planimeter, Geotechnical Testing, Highway Materials Testing, CBR in Civil Engineering; Big Data & Cloud Computing Lab, Analog and Digital Electronics, Data Structures, Design and Analysis of Algorithm, Microprocessors, Computer Network, DBMS, System Software and Operating System, Computer Graphics, Machine Learning



and Web Technology Laboratory in CSE department, Microprocessor & Microcontroller, Database and Management Systems, Machine Learning, Web Development and Design Laboratory in the ISE department and Hardware Description Language (HDL) Lab, Microprocessor / Microcontroller Lab, Very largescale integration (VLSI) Lab, Embedded Lab, Digital Signal Processing (DSP) Lab, Computer Networks Lab, Digital System Design (DSD), Basic Electrical, Electronic Devices, Advanced Communication in the ECE Department. Centres of Excellence in Robotic Process Automation - BOT LAB, IoT & Wireless Networks, Additive Manufacturing and Nanoscience have also been created. Regular industry interface with the initiatives mentioned above - New-age Certifications, Training in advanced cutting edge topics, industry visits, state of the art laboratories, centres of excellence and institutional partnerships - help our students to become industry ready and self-reliant to tackle challenges and always maintain a solution-driven approach in their careers.

#### Atria Centre for Management and Entrepreneurship

The management department, Atria Centre for Management and Entrepreneurship currently offers a two-year MBA program with specialisations in Finance, Marketing and Human Resource Management to the graduates interested in management studies. The centre follows a mission to Anticipate, Curate, Launch and Deliver industry oriented programs with innovation and value. Considering the current industry requirements, the teaching pedagogy includes case study based method, role plays, scenario analysis and group activities on a regular basis. The cynosure is to develop

- an ability to create strategies and find solutions to business problems
- learn practical application, concepts and principles
- Develop analytical skills, critical thinking and decision-making abilities

A collaborative learning ethos from academicians and industry is rendered through our advantage courses in the areas of Digital Marketing, Supply Chain Management and Project Management. Also, to clinch the overall development of the student, workshops on soft skills, personality development and presentation skills are conducted.

#### Atria Business Incubation Centre

To those who target to be have their own start-ups, we envisage collaborating with those students to make them entrepreneurs with vision that is futuristic through our entrepreneurship cell also known as Atria Business Incubation Centre . We offer to empower the idea with industry expertise, technological advice and financial assistance. We support students to build start-ups that can offer solutions to identified significant problems across industries. And align them with an exposure to emerging technology, tools and methods for better decision making and ideation. Overall, it maybe said that we don't leave the students to play the "Catch up to industry game", we prepare them to be ready to play the industry and growth game in all aspects.

1. <https://atria.edu/dept-ece.php>

2. <https://iot.atria.edu/>

The Atria Business Incubation Centre envisions a collaborative ecosystem for innovative ideas of students by supporting & enabling entrepreneurs to make the transition from job seekers to creators. The incubation centre enables deserving startup ideas from students to transform useful innovations into profitable ventures with an eco-system of industry mentors, investor networks, academic research, and constructive services and infrastructure.

With a vision to give the exposure to the students of the corporate world and interact with other start-ups the Center also offers a large co-working hub (10,000-12,000 sq ft.) in the heart of Bangalore, with state-of-the-art infrastructure, including co-working spaces, collaboration rooms and services like business starter kits, mentoring and guidance, cloud platforms and connectivity, financial and legal services, product-market-fit guidance, networking events, and marketing assistance.

Three start-ups are already part of the Atria Incubation centre are:

1. GAMUT ANALYTICS PRIVATE LIMITED-saarathi.ai- External start-up organization
2. Health-trail Portal Pvt. Ltd.health-trail.com- Started by a Faculty and involving AIT students in application development
3. Credit Counter -External start-up organization

File Description	Documents
Appropriate web in the Institutional website	No File Uploaded
Any other relevant information	No File Uploaded

### 7.3.2 - Plan of action for the next academic year

Atria Institute of Technology emphasised its focus on UG, PG and Doctoral Engineering programmes, which will enable them to get industry ready through comprehensive industry-linked engineering education.

Atria Centre for Management and Entrepreneurship offers revamped MBA and Doctoral programmes with Advantage Courses.

The institution is under the transformation of continuously striving in implementing advanced Learning Methods like Digital Platform Flipped Classroom of teaching. Competencies training beyond the syllabus will be an integral part of curriculum delivery for better placement opportunities.

To indoctrinate entrepreneurial activities as a carrier option among the student's Atria Business Incubation Centre is playing a pivotal role in nurturing launching young entrepreneurs. Sensitization of a student to a professional or entrepreneurship career starts from the first semester.

To inflate the education outcomes for students Learn by doing-experiential learning techniques are planned in line with regular teaching-learning. Atria is Partnered with Industry-Academia for content its delivery to bridge the gap.

To enable students to learn at their own pace, a robust feedback and personalization mechanism is put in place, Skills Framework -students progress on skill sets and mapping to be carried out from their inception to final year.

Co-curricular courses, projects, and internships in collaboration with Industry. Road Map of technical, experiential and personality courses offered, preps the student for placement challenges. Custom preparation to face rigorous selection process of leading companies.

To inculcate and integrate the research culture into all aspects of learning at Atria Institute of Technology. To inculcate

and integrate the research culture into all aspects of learning at Atria Institute of Technology.

To stimulate research bent of mind a conducive research environment and necessary infra will be created in addition to existing facilities. Faculty with good competency in research experience will be writing captivating research proposals to sponsoring organizations and funding agencies, both institutional and industry.

The institution has set its road map to upskill the faculty for their inclusive development over faculty advance programs, webinars, seminars, symposiums and conferences, a process in place to enhance the technical publications.

