



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution	ATRIA INSTITUTE OF TECHNOLOGY
Name of the head of the Institution	Dr. K V Narayanaswamy
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	08023530108
Mobile no.	9980852708
Registered Email	principal@atria.edu
Alternate Email	drkvn21@gmail.com
Address	1st Main Anandnagar Hebbal
City/Town	Bengaluru
State/UT	Karnataka
Pincode	560024
2. Institutional Status	

Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Urban
Financial Status	Self financed
Name of the IQAC co-ordinator/Director	Vasanthi Satyananda
Phone no/Alternate Phone no.	08023546084
Mobile no.	9886027716
Registered Email	vasanthi@atria.edu
Alternate Email	vasanti67@gmail.com

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://atria.edu/NAAC/AQAR_2018_2019.pdf
4. Whether Academic Calendar prepared during the year	Yes
if yes, whether it is uploaded in the institutional website: Weblink :	https://atria.edu/assets/pdf/even-semester-academic-calander.pdf

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity	
				Period From	Period To
1	B	2.39	2017	08-May-2017	08-Jun-2022

6. Date of Establishment of IQAC

16-Mar-2016

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
IQAC Meeting	29-Jun-2019 2	15
IQAC Meeting	18-Apr-2020	11

	2	
Academic audit (ISE,CSE, -Even semester)	27-May-2020 4	46
Academic audit (ECE,Civil -Even semester)	28-May-2020 4	49
Academic audit (ME,MBA ,BSE-Even semester)	29-May-2020 4	45
Academic audit (ISE,CSE,ECE -ODD semester)	18-Dec-2019 6	60
Academic audit (Civil- -ODD semester)	19-Dec-2019 2	21
Academic audit (ME,MBA,BSE -ODD semester)	20-Dec-2019 6	60
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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Atria	Prerana AQIS 1920	AICTE	2020 730	1000000
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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View File](#)

10. Number of IQAC meetings held during the year :

2

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

[View File](#)

11. Whether IQAC received funding from any of the funding agency to support its activities during the year?

No

12. Significant contributions made by IQAC during the current year(maximum five bullets)

IQAC has been driving the system and the updated processes across the institution regularly. All the HODs are members of the IQAC. IQAC is successful in uploading

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.

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
Write the step by step details for the activities involved in Teaching-Learning processes. Refine the outcome Based education by: 1) Reviewing targets for Program Outcomes 2) Reviewing targets for CO 3) Attainment of CO	The processes are implemented Faculty are trained for the same. The process of CO/PO attainment is in progress
Enhancing Result	Remedial Coaching classess were conducted to improve the backlog results. Meetings were conducted with parents to motivate their wards
To organize workshops/FDPs	Most of the departments have organized workshops/FDPs
Application of AISHE	Uploaded data by 1st Feb.2020
To prepare VTU LIC visit	Successfully completed the visit
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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Governing Council	28-Feb-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?

No

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2020

Date of Submission

01-Feb-2020

<p>17. Does the Institution have Management Information System ?</p>	<p>Yes</p>
<p>If yes, give a brief description and a list of modules currently operational (maximum 500 words)</p>	<p>The Management/Student Information System is Academia is from Serosoft. The following modules are included under the contract. 1) Academic Module : Implemented Attendance and Internal Assessment module. 2) Admission Module : Under implementation 3) Inventory Module : Under implementation 4) Placement Module : Under implementation 5) Human Resource Module : Implemented 6) Biometric Integration : Under implementation 7) Tally Integration : Under implementation 8) Parent Portal : To be implemented 9) Faculty Portal : Implemented 10) Student Portal : Implemented The Academic module includes the Attendance and Examination module The student data, faculty data, time table and the calendar are uploaded on Academia. Each faculty can view only the students of their class when the subject is selected. The attendance can be marked through the URL or the faculty portal. The attendance report is available individually / subject wise for the whole class / all subjects in a class. The faculty can do the alternate arrangement through the Academia. The student data and the parent's data are available in Academia which can be used as and when required by the Principal / HoD / faculty. Also the faculty data is available in the platform which can be used by HoD / Principal. The staff members use the Human Resource module to apply for leave where the details of their balance leave is provided.. Once the faculty applies to leave, the approval authority gets the notification. The name of the alternate faculty who has assigned the job in their absence is also available in the leave application so that the approving authority knows that the alternate arrangement is done. Placement module can store student and company databases. This module allows students to update their resume and invite companies for placements. Student list can be retrieved from the database based on the company selection criteria. Each time a company is visiting the campus, a placement drive</p>

is created with start and end date, the company requirements, job posting and the recruitment process. The students can be promoted from one stage to another depending on the marks they obtain and the information can be sent to the students. The purpose of Inventory Module in ERP is to maintain the stores, stores location, cost centre, item stocks, services, Rate list of items(Taxes duties and charges), Item Serial Number, Store users with inventory Rights, Generate Barcode. Also, the transactions like creating Requisitions, Requisition Approval, Create Purchase Orders, Item Receipts, Gate Pass, Stock Transfer, Bill Entry, Bill Passing, Maintaining insurance records, AMC Record. The reports like Item Stock Ledger, Consumption Report, Item Opening Stock Report, Bill Passing Report, Asset Register Report and Depreciation Report can be generated. Biometric integration facilitates the monitoring of attendance of the faculty and can be used for the salary calculation. The faculty portal is a short cut method to mark attendance. The parent and the student portal are used to viewing the pending fees, timetable, attendance and result of the students.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

The Institution has a well-planned Outcome-Based Education (OBE) process. After the subject allotment, the first phase of planning is the gap analysis. The faculty after going through the syllabus work on to establish the gap existing between the curriculum and the current requirements to attain the Program Outcomes (POs) and Program Specific Outcomes (PSOs) by taking the inputs from various sources like Semester End Evaluation (SEE) system as practised by the university to which our institution has been affiliated, feedback from stakeholders, Syllabus from reputed institution/university, current job description, inputs obtained from current trend workshops /conferences / published papers etc.. The similar syllabus of the lending institution is also referred as per the requirement to find the gaps in the curriculum. 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 faculty group and are planned accordingly in consultation with the HoD / Principal or by any other faculty assigned for the same. 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. A well planned digital content is prepared and uploaded on the Xcelerator platform which includes the resources for each session which is mapped to the learning path which represents the module and all the learning path mapped to the quest which is the course. A well-designed evaluation system involving assignments, tutorials, internal assessment test (continuous evaluation) have been put in place, many of them executed through the Xcelerator platform. 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.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entreprene urship	Skill Development
Artificial I ntelligence(Accenture)	NA	03/05/2020	3	Employabilit y	Yes
Database Management System	NA	26/07/2019	56	Employabilit y	Yes
Introduction to programming in C	NA	26/07/2019	56	Employabilit y	Yes
Career Edge- Knockdown the Lockdown	NA	01/01/2020	2	Employabilit y	Yes
Programming Data Structures and Algorithms Using Python	NA	26/07/2019	56	Employabilit y	Yes
Problem Solving Through Programming in C	NA	28/07/2019	84	Employabilit y	Yes
The Joy of Computing using Python	NA	27/07/2019	84	Employabilit y	Yes
Cloud Computing	NA	06/08/2019	56	Employabilit y	Yes
Programming ,Data Structures and Algorithms Using Python	NA	26/01/2020	90	Employabilit y	Yes
Programming in C	NA	26/01/2020	60	Employabilit y	Yes

Design Analysis of Algorithm	NA	26/01/2020	60	Employability	Yes
Programming in Java	NA	26/07/2019	84	Employability	Yes
Database Management System	NA	27/07/2019	56	Employability	Yes
Introduction to Machine Learning	NA	23/01/2020	56	Employability	Yes
Design and Analysis of Algorithms	NA	06/08/2019	56	Employability	Yes
Essential Google Cloud Infrastructure: Foundation	NA	04/04/2020	1	Employability	Yes
Essential Google Cloud Infrastructure: Scaling and Automation	NA	27/05/2020	1	Employability	Yes
Essential Google Cloud Infrastructure: Core Services	NA	01/05/2020	1	Employability	Yes
Preparing for the Google cloud Associate cloud	NA	01/05/2020	1	Employability	Yes
Java Programming, Complete Beginner to Advanced(Udemy)	NA	26/05/2020	1	Employability	Yes
Expertise in Decker	NA	07/05/2020	3	Employability	Yes
Artificial Intelligence(Accenture)	NA	03/05/2020	21	Employability	Yes
Career Edge-Knockdown the Lockdown	NA	27/04/2020	6	Employability	Yes
NOC: Introduction to	NA	24/05/2020	1	Employability	Yes

Programming in C by NPTEL						
Introduction to Artificial Intelligence by NPTEL	NA	26/05/2020	1	Employabilit y	Yes	
Everybody: Python	NA	03/05/2020	1	Employabilit y	Yes	
Easy to Advanced Data Structures	NA	06/05/2020	2	Employabilit y	Yes	
Learn Data Science	NA	07/05/2020	1	Employabilit y	Yes	
Data Structure in Java-Part 1	NA	14/05/2020	1	Employabilit y	Yes	
Complete Python Bootcamp:	NA	01/04/2020	1	Employabilit y	Yes	
Complete Python Masterclass	NA	17/04/2020	7	Employabilit y	Yes	
Aws Technical Essentials and Architec turing	NA	22/05/2020	9	Employabilit y	Yes	
Google Cloud Platform Foundation: Core Infrast ructure	NA	09/05/2020	1	Employabilit y	Yes	
Microsoft Workshop	NA	08/04/2020	6	Employabilit y	Yes	
Hackathon	NA	13/04/2020	1	Employabilit y	Yes	
AWS - 01	NA	16/01/2020	9	Employabilit y	Yes	
Oracle - 01	NA	30/04/2020	1	Employabilit y	Yes	
Programming in Java	NA	26/07/2019	84	Employabilit y	Yes	
Expertise in Decker	NA	01/01/2020	2	Employabilit y	Yes	
NA	Architecture Design	24/06/2019	180	Employabilit y	Yes	
BIM	NA	07/11/2019	1	Employabilit	Yes	

Guest lecture on recent trends in Rehabilitation Retrofitting concrete structures	NA	04/11/2019	1	Employability Y	Yes
Tech Talk on Entrepreneurship business planing process	NA	22/05/2020	2	Employability Y	Yes
Construction Management planning system	NA	04/06/2020	1	Employability Y	Yes
Construction Management introduction	NA	08/06/2020	1	Employability Y	Yes
workshop on Autocad	NA	12/03/2020	1	Employability Y	Yes
Webinar session on Fundamentals of GIS	NA	21/05/2020	1	Employability Y	Yes
Cisco Corporate Social responsibilities	NA	01/04/2020	85	Employability Y	Yes

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	Aadalitha Kannada (Kannada for Administration) - 18KAK49	01/08/2019
BE	Vyavaharika Kannada (Kannada for communication) - 18KVK49	01/08/2019
BE	Data Communication - 18CS46	01/08/2019
BE	Object Oriented Concepts - 18CS45	01/08/2019
BE	Complex Analysis, Probability and Statistical Methods - 18MAT41	01/08/2019
BE	Design and Analysis of Algorithms - 18CS42	01/08/2019

BE	Operating Systems - 18CS43	01/08/2019
BE	Microcontroller and Embedded Systems - 18SC44	01/08/2019
BE	Design and Analysis of Algorithm Laboratory - 18CSL47	01/08/2019
BE	Microcontroller and Embedded Systems Laboratory - 18CSL48	01/08/2019
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Design Concept of Building Services-15CV743	01/08/2019
BE	Rehabilitation and Retrofitting of Structures-15CV753	01/08/2019
BE	15CV833 Pavement Design	01/08/2019
BE	Non-Traditional Machining-17ME554	01/08/2019
BE	Automation and Robotics-17ME563	01/08/2019
BE	Project Management-17ME564	01/08/2019
BE	Metal Forming-17ME653	01/08/2019
BE	Automobile Engineering-17ME655	01/08/2019
BE	Total Quality Management-17ME664	01/08/2019
BE	Linear Algebra-17MAT661	01/08/2019
BE	Complex Analysis, Probability and Statistical Methods - 18MAT41	01/08/2019
BE	Transform Calculus, Fourier Series and Numerical Techniques-18MAT31	01/08/2019
BE	Micro Electro Mechanical Systems	01/08/2019
BE	Speech Processing	01/08/2019
BE	Railways, Harbours, tunnelling and Airports-17CV552	01/08/2019

BE	Sustainability Concepts in Engineering-17CV562	01/08/2019
BE	Alternative Building Materials-17CV653	01/08/2019
BE	Environmental Protection and Management-17CV662	01/08/2019
BE	Rehabilitation and Retrofitting of Structures-15CV753	01/08/2019
BE	15CV833 Pavement Design	01/08/2019
BE	Non-Traditional Machining-17ME554	01/08/2019
BE	Automation and Robotics-17ME563	01/08/2019
BE	Project Management-17ME564	01/08/2019
BE	Metal Forming-17ME653	01/08/2019
BE	Automobile Engineering-17ME655	01/08/2019
BE	Total Quality Management-17ME664	01/08/2019
BE	Linear Algebra-17MAT661	01/08/2019
BE	Complex Analysis, Probability and Statistical Methods - 18MAT41	01/08/2019
BE	Unix System Programming	01/08/2019
BE	System Modeling and Simulation	01/08/2019
BE	User Interface Design	01/08/2019
BE	Advanced JAVA and J2EE	01/08/2019
BE	Artificial intelligence	01/08/2019
BE	Embedded systems	01/08/2019
BE	Operations research	01/08/2019
BE	Python application programming	01/08/2019
BE	Data Mining and Data Warehousing	01/08/2019
BE	Software Architecture and Design Patterns	01/08/2019
BE	Mobile Application Development	01/08/2019
BE	Data Mining and Data Warehousing	01/08/2019
BE	Operations research	01/08/2019
BE	Python Application	01/08/2019

	Programming	
BE	Unix System Programming	01/08/2019
BE	System Modeling and Simulation	01/01/2019
BE	Information Management System	01/08/2019
BE	Advanced JAVA and J2EE	01/08/2019
BE	Nano Electronics	01/08/2019
BE	Switching and Finite Automata Theory	01/08/2019
BE	Operating System	01/08/2019
BE	Electrical Engineering Materials	01/08/2019
BE	MSP430 Microcontroller	01/08/2019
BE	Automotive Electronics	01/08/2019
BE	Object Oriented Programming Using C++	01/08/2019
BE	8051 Microcontroller	01/08/2019
BE	Cellular Mobile Communication	01/08/2019
BE	Adaptive Signal Processing	01/01/2019
BE	Artificial Neural Networks	01/01/2019
BE	Multimedia Communication	01/08/2019
BE	Biomedical Signal Processing	01/08/2019
BE	Cryptography	01/08/2019
BE	IoT and Wireless Sensor Networks	01/08/2019
BE	Pattern Recognition	01/08/2019
BE	Machine learning	01/08/2019
BE	Network and Cyber Security	01/08/2019

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	769	0

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Spoken English	09/10/2019	53
Aptitude Training	11/10/2019	53
Life Skills Training	11/10/2019	53

Career Counselling	20/08/2019	87
Google Cloud Computing	25/02/2020	31
Automation Anywhere Certified Master RPA Professional	01/08/2019	1
Automation Anywhere Certified Advanced RPA Professional	22/10/2019	1
Infosys campus connect	18/04/2019	71
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Computer Science & Engineering/Internship	115
BE	Information Science & Engineering/Internship	104
BE	Electronics & Communication Engineering-/Field Project-1-RASHMI D (IISc)	152
BE	Civil Engineering/Internship-An extensive survey using Total station	89
BE	Mechanical Engineering- Internship	100
MBA	MBA-Organization Study--Project Work	34
MBA	Project Work	34
BE	Field Project	1
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained
Feedback is being obtained from students to evaluate the performance of the faculty inside the classroom by his/her students twice during each semester. 1. Formative feedback 2. Summative feedback. The formative feedback is obtained

during 3rd /4th week of every semester and the summative feedback is obtained during the final two weeks of the semester. The students would participate in giving feedback online. The formative feedback would be analysed for both the academic performance and the inter-personal relationship criterion of the faculty competence as visualised by the student perception. The reasons for the said performances are identified by the individual faculty/department/institution and actions are strategized to eliminate the causes of disruption. The actions are implemented subsequently. The summative feedback is analysed to establish the improvements on action initiated after the formative feedback. Feedback to evaluate the facilities provided by the institution and the ambience provided for student-centric learning is obtained at the end of the program every year from the outgoing final year students. The results are analysed, corrective and preventive actions are initiated to overcome any flaw/s indicated by the said feedback. Also, feedback is obtained from alumni towards their possible contribution to curriculum development /curriculum enlargement/enrichment, to support our students in employment and creating an awareness of expectations of the industry in fresh graduates. The obtained feedback is analysed and the action taken report is prepared and corrective actions are implemented subsequently. The feedback is obtained from parents as and when they visit the Institution / during the parent-teacher meetings. The same is shared with the faculty / the concerned authority for corrective and preventive action wherever possible.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
Mtech	Computer Science and Engineering (PG)	18	18	3
MBA	MBA (PG)	60	60	53
BE	Mechanical Engineering	126	126	42
BE	Information Science and Engineering	126	126	126
BE	Electronics and Communication Engineering	189	189	171
BE	Computer Science and Engineering	126	126	126
BE	Civil Engineering	126	126	51
Mtech	Electronics & Communication Engineering (PG)	18	18	0
Mtech	Information science & Engineering (PG)	18	18	0

[View File](#)

2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	2091	90	114	13	5

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
132	132	483	52	52	105201

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Each student joining the Institution is assigned a faculty mentor/counsellor in the first year. A batch of twenty students is assigned to one faculty member who would be officiating as a mentor/counsellor. Every student will be counselled at least once by the faculty -counsellor every semester. Issues which can be resolved at the faculty level would be taken care of and those beyond their capability will be referred to higher authorities for resolutions. The counselling/mentoring would be centred on issues about student performance in academics, overall development of their personality by getting trained in soft skills and English language competence, specific skill set training to be managed by students for better career prospects apart from any specific personal issues which might be affecting their progress. The records of the mentoring / counselling are recorded appropriately.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2091	127	1:17

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
151	127	24	37	24

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	MANOJ KUMAR	Assistant Professor	NPTEL GOLD ELITE MEDAL CERTIFICATE
2019	HEMALATHA K N	Assistant Professor	APPRECIATION

			CERTIFICATE FOR UNNAT BHARAT ABHIYAN FROM IIT MUMBAI
2019	HANUMANTHAPPA	Assistant Professor	BEST MENTOR FOR INTERNSHALA FROM AICTE
2019	HEMALATHA K N	Assistant Professor	BEST MASTER TRAINER FOR STUDENT SOLAR AMBASSADORS FROM MHRD
2019	SHEBA JEBAKANI	Assistant Professor	NPTEL GOLD MEDAL CERTIFICATE (1ST)
2020	PROF. SUFIAN	Assistant Professor	EDUCATIONAL OUTREACH PROGRAMME, received \$ 50,000, GITHUB
2019	PROF. SUFIAN	Assistant Professor	EDUCATIONAL OUTREACH PROGRAMME, received \$ 30,000, ARM
2020	PROF. SUFIAN	Assistant Professor	AWS EDUCATE received \$ 200 AWS PLATFORM
2019	VEENA S	Assistant Professor	BEST ACTIVE SPOC FOR SWAYAM-NPTEL LOCAL CHAPTER FROM IIT, CHENNAI
2019	MANJULA M	Assistant Professor	NPTEL SILVER ELITE MEDAL CERTIFICATE
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2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
MBA	MBA	3rd Semester	31/12/2019	11/03/2020
BE	BE	7th Semester	01/01/2020	25/02/2020
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

The institution has adopted an Outcome-Based Education (OBE) system with a transparent evaluation system. The students are continuously evaluated by the individual faculty through assignments, unit tests, quiz etc. In addition to the Continuous Internal Assessment (CIA) planned during the content delivery, three mandatory Internal Assessments (IA) are conducted at pre-defined intervals as per the university requirements. The conduction process of IA is centralized at the institution level and is executed by the IA committee consisting of coordinators from all the departments and the chairperson is

nominated by the Principal. This committee is responsible to conduct the Internal Assessment as per the set procedure which includes scheduling the IA, setting question papers, allotting invigilation, seating arrangement, room allotment, conduction of the test, valuation and marks the entry in the prescribed format. Valuation is also centralised. Malpractices, if any are handled by the IA committee as per the set procedure. Many of the Quizzes, assignments and tests are administered through the Xcelerator platform. The Quiz is auto evaluated, assignments and tests are evaluated and marks are available in the platform itself.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

The Academic calendar at the institution level is prepared by IQAC based on the schedules given in the university (VTU) calendar every semester. To maintain uniformity in functioning of the semester scheme across the institution, the duration and academic activities are fixed in advance by the institution. This planning provides academic flexibility to the stakeholders, especially students, faculty and parents. Each semester has around 90 working days based on the VTU calendar. The calendar includes the information like the semester start date, semester end date, first-year induction programme, holidays declared by the State Government /Institution, cultural fest, technical fest or any other activity which are organized at the institution level. The three mandatory internal assessments are mapped at the intervals specified by VTU and one laboratory internals at the end of the semester. The dates for the semester-end examination for both theory and laboratory is also mentioned in the calendar. All the schedules specified in the academic calendar is strictly adhered to. Only the head of the institution has the authority to approve any deviation in the academic calendar at the institution level if it is unavoidable. Besides, every department schedules additional professional body activity, industrial visits, value-added programs, conference, workshop, symposium, training programs etc. without affecting the Academic Calendar prepared at the institutional level. The department-specific programmes are included in the department calendar. As a special case due to COVID19, the even semester schedules could not be followed. As per the directions of Government/VTU/Institution. Online classes and few activities were conducted through online platforms.

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<https://atria.edu/naac.php>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
MBA	BE	MBA (PG)	40	40	100
ME	BE	Mechanical Engineering	93	93	100
ISE	BE	Information Science Engineering	93	92	99
ECE	BE	Electronics	126	123	98

		and Communication Engineering			
CSE	BE	Computer Science Engineering	98	97	99
CV	BE	Civil Engineering	80	80	100
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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<https://atria.edu/NAAC/Student%20Satisfaction%20Survey%202019-20.pdf>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	1825	MHRD/UBA	5	0.5
Minor Projects	0	NIL	0	0
Interdisciplinary Projects	0	NIL	0	0
Industry sponsored Projects	365	MHRD	0.2	0.2
International Projects	0	NIL	0	0
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3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Sensitisation Program on IPR	Information Science and Engineering	07/03/2020

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
DST-AWSAR (AUGMENTING WRITING SKILLS FOR ARTICULATING RESEARCH	Mrs .Rakhi	DST	24/02/2020	-
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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation	Name	Sponsored By	Name of the	Nature of Start-	Date of
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Center			Start-up	up	Commencement
No Data Entered/Not Applicable !!!					
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	7	2

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
Civil Engineering	2
Basic Sciences of Engineering Humanities	1

3.3.3 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
National	ECE / MBA	1	0
National	MBA	2	0
National	ECE	15	1
International	ECE	15	1
International	BSE	2	2.6
International	ECE/ISE/CV	11	8.99
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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
BSE	10
MBA	2
CV	4
CSE	82
ISE	31
ECE	19
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3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Active realization of fractional order Butt	Shalabh Kumar Mishra, Maneesha Gupta,	Journal of King Saud University - Engineering	2020	0	University of Delhi	0

erworth lowpass filter using DVCC	Dharmendra Kumar Upadhya	Sciences, Elsevier				
Protection of crops from rainwater and generation of solar energy with Embedded system	Kavya, Niveditha, Pranamy, Kiran Kumar, Rakhi s	Kavya, Niveditha, Pranamy, Kiran Kumar, Rakhi s	2019	0	Atria Institute of Technology	0
Road sign detection and recogn ition-A survey	Mithun, Prashanth, Rakshith, Ravi,	Internatio nal Organi zation of Scientific Research	2019	0	Atria Institute of Technology	0
Emerge GSM: a reviewncy rescue system using LoRa and GSM: a review	Karthik C Hegde,Dr. Vaddi Naga Padma Prasuna, J Vasudev, P urushotham D J, Rakesh S Padma Prasuna, J Vasudev, P urushotham D J, Rakesh S	PARISHODH JOURNAL	2020	0	Atria Institute of Technology	0
SELF BALANCING ELECTRIC VEHICLE WITH FAST CHARGING SYSTEM	Manjunath V, Dr.Prasuna Vaddi, R Sujeeth Raj, Kevin Abraham, Vignesh A	Science, Technology and Develo pment	2020	0	Atria Institute of Technology	0
FPGA and MATLAB Based Solution for Retinal Exudate Detection	Vasanthi S, Dr. K V Narayanasw amy, Dr. K Karibasapp a	Internatio nal Journal of Recent Technology and Engine ering (IJRTE	2020	0	Atria Institute of Technology	0
Hard Exudate Extraction from Fundus	Vasanthi S, Dr. K V Narayanasw amy, Dr. K Karibasapp	Indonesian Journal of Electrical Engineerin g and Info	2019	0	Atria Institute of Technology	0

Images using Watershed Transform	a	rmatics				
Emotion OR recognition Based on Facial Expressions and Hand Gesture Using Image Processing-A Survey	K Chetan Kumar, Neha N, Kamatham Tejaswini, Namratha V, and Sundari Tribhuvanam	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE)	2020	0	Atria Institute of Technology	0
Enhancement of Speech Intelligibility using Binary Mask Based on Noise Constraints	Ramesh Nuthakki, Sreenivasa Murthy A	International Journal of Recent Technology and Engineering (IJRTE)	2020	0	University Visvesvaraya College of Engineering, Bengaluru	0
Enhancement of Speech Intelligibility using Binary Mask Based on channel selection criteria	Ramesh Nuthakki, Sreenivasa Murthy A, Naik D C	International Journal of Recent Technology and Engineering (IJRTE)	2020	0	University Visvesvaraya College of Engineering, Bengaluru	0

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3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
A Remark On Eigen Values of Signed Graph	Nagendra Naik K Prashanth B Rajanna K R	Journal of Applied Mathematics	2019	2	0	Atria Institute of Technology
Effects of Gamma-irradiation on Polyvinylidene fluoride thin films	Shivaraj Madivalappa and V M Jali	IOP Conference Series: Materials Science and Engineering	2019	1	0	Atria Institute of Technology
Data	Dr.	IJRTE	2020	4	28	Atria

Ingestion using a Novel Method: H-Stream Framework	Shanthi Mahesh					Institute of Technology
An Energy Efficient Clustering Technique in WSNs	Omprakash B	IJRTE	2020	4	0	Atria Institute of Technology
ChicWhale optimization algorithm for the VM migration in the cloud computing platform	Srinivasa B V	Springer	2020	1	0	Atria Institute of Technology

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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	24	20	0	37
Presented papers	28	6	0	0
Resource persons	1	1	1	0

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3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Campaign of Govt Schools	Atria I T(NSS UNIT)Campus 2 Community	1	30
Health Awareness	Atria I T(NSS UNIT)Millennium Blood Bank	2	90
Women Awareness	Atria I T(NSS UNIT)Hebbal Police Station- Bengaluru	1	50
Traffic Awareness	Atria I T(NSS UNIT)R T Nagar Traffic Police Station-Bengaluru	3	25

Awareness on Women Empowerment, Village Survey	Atria I T (NSS UNIT)Gram panchayath02	2	34
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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
MOOC COURSES	NPTEL - BEST SPOC(2019)	IIT, CHENNAI	103
SSA - STUDENT SOLAR AMBASSADORS	BEST MASTER TRAINER	MHRD IIT MUMBAI	60
INTERNSHALA	INTERNSHALA	AICTE	57
UNNAT BHARAT ABHIYAN	BEST SPOC	IIT DELHI	30
NPTEL	BEST SPOC (3)	AICTE	142
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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
UBA	IIT_Delhi MHRD	Solar Ambassador workshop	5	40
NSS	Atria I T (NSS UNIT)Gram panchayat	Awareness on Women Empowerment, Village Survey	2	34
NSS	Atria I T(NSS UNIT)R T Nagar Traffic Police Station-Bengaluru	Traffic Awareness	2	25
NSS	Atria I T(NSS UNIT)Hebbal Police Station-Bengaluru	Women Awareness	1	50
NSS	Atria I T(NSS UNIT)Campus 2 Community	Campaign of Govt Schools	1	30
AICTE	AICTE Activity Point	Two Days AICTE Activity Points	2	51
UBA	Atria Institute of Technology in association with UBA	Student career counselling for 10th and II PUC students	5	35
UBA	Atria Institute of Technology	Sports and cultural	5	2

	in association with UBA	awareness for govt school		
UBA	Atria Institute of Technology in association with UBA	Women empowerment	5	1
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3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Google cloud	Student(30)	Free course	90
Introduction to Security	Student(9)	Free course	96
Introduction to Security	Faculty(2)	Free course	13
Introduction to Networks	Faculty(2)	Free course	13
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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Academic	On-the-job Training	Infosys	01/02/2020	30/06/2020	Kuheli Baidya
Academic	On-the-job Training	Infosys	01/02/2020	30/06/2020	Kavalakuntla Chakradhar
Academic	On-the-job Training	Infosys	01/02/2020	30/06/2020	Abhilash Gopalaiah
Academic	On-the-job Training	Infosys	01/02/2020	30/06/2020	Amith G
Academic	On-the-job Training	Infosys	01/02/2020	30/06/2020	Bijaya Dutta
Academic	On-the-job Training	Infosys	01/02/2020	30/06/2020	Huda Khanam
Academic	On-the-job Training	Infosys	01/02/2020	30/06/2020	Indrajith Sundaram
Academic	On-the-job Training	Infosys	01/02/2020	30/06/2020	Karthik Nagaraja Rao
Academic	On-the-job Training	Infosys	01/02/2020	30/06/2020	Kuheli Baidya
Academic	On-the-job Training	Infosys	01/02/2020	30/06/2020	Nida Wajid Ahmed

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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Atria Institute of Technology	01/07/2020	Training and Placement	2
Atria Institute of Technology	01/07/2020	Train the Trainer Model for Faculty, Training, Placement	60
AUTOMATION ANYWHERE	01/07/2020	Breaking The Ice - Online Activity With Student Certification For 350 Students, SDP	350
Arridge Infosec Pvt , Ltd	19/07/2019	Internship	14
Unnagi Consulting and Training	19/07/2019	Training Delivery	21
Metacog Solutions Pvt Ltd	07/11/2019	Training Delivery	21

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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
600	600

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Newly Added
Campus Area	Existing

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4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
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Lib soft	Partially	9.8	2005
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4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Weeding (hard & soft)	0	0	0	0	0	0
Others (specify)	0	0	0	0	0	0
Text Books	21193	4471519	1007	462223	22200	4933742
Reference Books	8250	3300000	54	21600	8304	3321600
e-Books	548	0	150	0	698	0
Journals	20	20000	0	0	20	20000
e-Journals	674	0	175	0	849	0
Digital Database	9	1619070	0	0	9	1619070
CD & Video	1387	0	0	0	1387	0
Library Automation	1	14000	0	0	1	14000

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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Mathematics Faculty - 9	All modules of 1. Advance Clculus Numerical Methods. (18MAT21) 2. Complex Analysis, Probability and Stastical Methods (18MAT41	Xcelerator	01/03/2020
Physics Faculty - 4	All modules of Engineering Physics (18PHY22)	Xcelerator	01/03/2020
Chemistry Faculty - 4	All Modules of Engineering Chemistry (18CHE22)	Xcelerator	01/03/2020
Humanities Faculty - 1	Technical English	Xcelerator	01/03/2020
MBA Faculty - 7	All MBA 2nd Sem 4th Sem courses	Xcelerator	01/03/2020

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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	522	11	1	3	2	4	5	100	0
Added	72	1	1	0	0	3	1	250	0
Total	594	12	2	3	2	7	6	350	0

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

250 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
English Lab	https://atria.edu/NAAC/Recording%20Facility%20Video.mp4

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
300	300	300	300

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

The institution obtains the requirements of classrooms, laboratories and other infrastructural resources from each HOD well before the beginning of the academic year. After validation of the requirements in IQAC, the available resources are allocated to each department. Any new facility to be constructed/acquired is provided by the management before the semester begins. Wherever there exists a situation that a facility (a laboratory) is required by more than one department suitable adjustments in the time table would make the optimal use of the laboratory a possibility. Right from its inception in the year 2000, the college has been improving its infrastructure to meet its ever-increasing growth. Additional blocks for academic and administrative purposes have been constructed. Floors have been added to the existing blocks to enhance the facilities. Renovation of older blocks and modernization of laboratories have been done to meet the ever-changing academic requirements. The institution has a permanent manager to take care of all the construction work, be it add on constructions or maintaining the existing ones. The buildings are maintained for their up-keep and repairs regularly. The housekeeping team regularly maintains the buildings, corridors and other places clean and tidy. The washrooms are maintained by a team regularly to maintain their usability. The Departments managed by their heads are responsible for maintaining the laboratory equipment for their operational conditions. Before the beginning of the academic year, the HODs would budget for repairs and maintenance in all their laboratories for the concerned academic year. They identify the agencies who would undertake the maintenance work and would get the equipment ready for operations before the beginning of every semester. The institution has an IT cell headed by a senior member of the faculty to oversee the procurement,

maintenance, repairs and replacement of equipment like computers, laptops, projectors and others in the domain area of information technology across the institution.

<https://atria.edu/NAAC/Maintenance%20Procedure%202019-20.pdf>

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	General AIT Scholarships	48	3264595
Financial Support from Other Sources			
a) National	Government Sources	961	11886450
b) International	NIL	0	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Career Counselling	05/09/2019	98	Coding Ninjas
Career Counselling	31/10/2019	89	CIDC RENUKA PRASAD A HIREMATH-PLANNING ENGINEER DUBAI
Guidance for Competitive Exams	05/10/2019	98	Manya Education Pvt. Ltd., Bengaluru
Guidance for Competitive Exams	06/03/2020	142	SALMAN THE GATE ACADEMY MALLESHWARAM
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	GATE Preparation	14	231	0	0
2019	Shristi learning services	9	98	0	43
2019	Seminar on Global Education Awareness	98	98	17	53

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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
3	3	7

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
CGI	145	9	IBM	63	8

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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2019	4	B.E	ECE	SWINBURNE Institute of technology (Australia) Universität zu Lübeck Reva	Master of Engineering MS (robotics and Automation) Mtech DC Mtech
2019	1	BE	CSE	BMSCE	Computer Network
2019	3	BE	Civil Engineering	UVCE -Bangalore, Unsw Sydney, University of Adelaide	Ms Construction project management
2019	2	BE	IS&E	University of New-Brunswick	MCS-computer Science
2019	1	B.E	IS&E	The University of Kansas	Information Technology
2019	1	BE	IS&E	University of Dublin	Computer Science-Data science
2019	1	BE	IS&E	San Jose state University	MS-Engineering Management

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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg: NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
CAT	1
GRE	5
TOFEL	2
Civil Services	9
NET	0
GATE	0
GMAT	0
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
22nd inter college VTU Athletics Meet 2019 gurunak Dev Engineering college Bidar	Inter college Level	10
East west college of Engineering Throwball women Tournament	Inter college Level	9
Sir MVIT inter college Football Tournament	Inter college Level	15
VTU Inter college Basket ball Tournament Held at new Horizon college of Engineering	Inter college Level	8
Central zone intercollege TT VTU tournament	Intercollege University Level	75
22nd M .S.Ramaiah memorial state level Invitation Cricket Tournament	Inter college Level	15
CRMIT college Throwable Tournament	Inter college Level	9
Sir, MVIT inter college cricket	Inter college Level	15
VTU inter college Volleyball Tournament Held in HKBK college of Engineering	Inter college Level	10
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5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2020	NIL	National	0	0	NIL	NIL

2020	NIL	International	0	0	NIL	NIL
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The student council at Atria is composed of identifying two student representatives from each class. The council meets regularly every quarter under the leadership of Principal / Management. This group meets to discuss 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 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. The activities of the committees would be supported by the participation of the faculty members from all the departments. The required funding for the conduct of such events is met by the management of the institution.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

• Yes the institution has an active registered Alumni association, the registration is renewed every year. • The members meet at least once in a year and discuss all the issues about the development of the institution both academically and otherwise. • The alumni participation is in areas of identifying the gaps between the levels of learning within the campus and the levels of learning expected by the industry. • The institution arranges lectures by alumni in different departments so that the students can be motivated to prepare themselves for careers in an environment of global competition. • The Alumni association consists of Chief Mentor, President, Vice President, Secretary, Additional Secretary, Treasurer, Executive members and Members, all being active alumni. Objectives: • Energizing the Alumni Activities on campus • To facilitate and encourage alumni to contribute towards the 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 . • Foster the spirit of togetherness among the alumni of the College. Goals and actions: Goal 1. Remain financially sound. 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 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. 1. Conduct at least 2 meetings with 2. Alumni to incite as judges/mentors for various events. Goal 7. Sustain an actively involved Alumni Board. 1. Host an Annual Alumni Board retreat to help set priorities for the next fiscal year. 2. Follow up.

5.4.2 – No. of enrolled Alumni:

438

5.4.3 – Alumni contribution during the year (in Rupees) :

0

5.4.4 – Meetings/activities organized by Alumni Association :

1. Alumni Meet on 22nd June 2019 2. Alumni in the induction program on 27 July 2019. 3. Alumni like Ms. Queenslin(2012 pass out), Mr. Mahendra (2009 passout) and Ms. Shwetha Ranganath (2018 passout) give motivational talks on 3rd August 2019. 4. Mr Navneet is serving in the Indian army. He is a commissioned officer. He spoke on "OPPORTUNITIES IN INDIAN ARMY" to third semester students. 5. Mr Kishore, Vice President of Deutsche Bank and Alumnus of 2010 MBA batch conducted viva on 2nd November, 2019 for the Organisation Study as an industry expert and conducted Viva for 34, 3rd Sem students. 6. MBA Alumni Meeting was conducted on 10.11.2019 where over 40 Alumni attended and shared their inputs with the current students on their experience in the industry. 7. Our Alumni Mr. Prashanth, Mr. Yathish, Mr. Nagendra, Ms. Harshitha, and Mr. Surya participated as Judges for various events in Dextrix'2019. 8. Alumni as mentors for Makeathon Dextrix 2019- Ayesha and Haritha alumni of Atria had mentored and judged the events on 13th and 14th December 2019 9. Had alumni as mentors for Makeathon Dextrix 2019 - Sai Sanjith alumni of Atria had mentored and judged the events on 13th and 14th December 2019 10. Had alumni as mentors for Dextrix 2019- Mr. Shashank alumni of atria had mentored and judged the events on 13th and 14th December 2019 11. Had alumni in induction program on January 2020 Mr. Akshay of 2018 batch of ECE department had motivated fresher students on 30-1-2020 12. Had alumni Miss. Ananya Sen in induction program where she performed and guided on freelance dance styles on 30-1-2020 for 5.30 pm to 6.30pm 13. Had alumni in induction program on 31 January 2020. Mr. Shashank of 2018 batch of Mechanical department had motivated fresher students 14. Alumni to guide projects like blind navigation to their juniors by alumni Deekshit 2019 pass out 15. Alumni Miss. Ranjitha conducted self defence activity for women during the induction program on 1-2-2020 16. We have had Mr. Prajith Dhar(2013 pass out), give a webinar on Data Science to help and motivate students in participating in a datathon on 2nd April 2020 17. Alumni Ananya Sen gave a webinar on Personality development during the lockdown on 22-5-2020 18. Alumni Harsh Shash gave a webinar on web development and software life cycle during the lockdown on 23-5-2020 19. Alumni Azmathulla gave a webinar on personal development and skills of learning and never forgetting during the lockdown on 26-5-2020. 20. Our alumni Mr. Prajith Dhar gave a webinar to our students on Data Mining concepts with real-life practical examples. 21. Our Alumni Mr. Ishu Tiwari (2019 pass out) came and addressed the current final year students on how to train oneself with discipline after completing his training period at the Indian Naval Academy. Ms. Shivani another alumnus visited the campus she is under training for VLSI course. The topic of her talk was JOB PROSPECTS IN VLSI AND EMBEDDED INDUSTRY

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

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. There are separate activity heads to manage the co-curricular and cultural activities. Subcommittees are formed to encourage the students to participate in various activities at the institution level, University level, State and national levels. The subcommittees headed by faculty have student members to organize the activities in the institution. There is a separate department for Sports and Physical Education managed by a qualified Physical Education Director (PED). The student of the institution takes an active part in sports at the Intercollegiate levels, University level, Regional, National International Levels as directed by PED. In addition to PED, faculty members are also involved to oversee the activities. Participative Management of the Institution The institution had constituted various committees to take care of the diverse functions at the institution level, some of which are statutory and others are functional. Internal Quality Assurance Cell, Department Academic Committee, Examination Committee, Purchase Committee, Hostel Committee, Anti-Ragging Committee, Canteen Committee, Internal Complaints Committee, Grievance Redressal cell are the committees where the faculty members have the major responsibilities. The other committees like cultural, sports, NSS, Magazine and Alumni Association are managed by the students with faculty/staff overseeing their activities. The institution has adopted inclusive management which requires the participation of various stakeholders and openness in governance. The Governing Council drives all the departments/committees as shown in the Organization chart. The flow shows decentralization of implementation with equal opportunities on competence irrespective of gender.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Admission of Students	The basic qualification for eligibility for Admission to BE (Bachelor of Engineering) Programs is two year Pre-University or 12th Standard or equivalent examination. The candidate should have taken Physics and Mathematics as compulsory courses along with Chemistry/Biotechnology/Computer Science/Biology/Electronics as optional

courses and English as one of the languages of study in the Qualifying Examination. Further, the candidate should have passed the Qualifying Examination with an aggregate minimum of 45 marks in the optional courses in the Qualifying Examination (40 of marks in case of SC, ST OBC category candidates) for eligibility. The following strategies are being adopted to enhance admission quality: 1) Prospective bright PU / 12th students are provisionally admitted by merit scholarship. Students are selected through competition and counselled by eminent academicians and industry on the learning process and advantage skills. Valuable fee concession (100 / 50) plus industry mentorship plus internships etc., are offered to improve admission quality. 2) All-round significant improvement in Teaching-learning process, research, and infrastructure launched to showcase the improved brand image of the engineering and management programme. For improving the quality of incoming fresher, bridge courses in mathematics, physics and communicative English are being conducted as a process to augment the perceived gap between PU / 12th and engineering pre-requisites. Target students are identified through a competency level test. This prepares the fresher to ramp-up to our teaching-learning process. 3) We are also working towards increasing the diversity of the student community by catering to admission to a large number of states in India and also to Nepal outside India.

Curriculum Development

The curriculum is prescribed by the parent university Visvesvaraya Technical University (VTU). The curriculum undergoes a revision once in four years. The institution encourages our faculty/department to contribute to enrich the curriculum during its revision. This is carried out by communicating to the university during the process of preparing and finalising the revised / new curriculum. Further, the institution captures the data about curriculum/syllabus by obtaining well-articulated feedback by the alumni once a year as well as the students during the final year of their course. The consolidated recommendations are

forwarded to the university to be used in enlarging, enriching and updating the content to meet the current trends in the industry. The gap analysis carried out by the faculty also adds to enrich the curriculum

Teaching and Learning

The institution has been following student-centric Teaching and Learning Methods for the past four years. The faculty continuously improve the delivery system by adapting the PDCA (Plan, Deliver, Check, Act) cycle. The faculty identifies outcomes to be realized by the students after completing the course. They carefully design the delivery content, student participation activities and the assignments to be completed by the students during the semester for every subject. Then they go about implementing their plan to the last detail. Continuous evaluation of the progress made by the students has been adopted. As a part of the continuous evaluation process, three internal assessment tests are conducted apart from other methods of evaluation by the faculty. Teaching and Learning Process in the institute puts every student through a judicious blend of concepts and practices associated with ICT tools in a dynamic environment. The digital content prepared by the faculty is posted in the Xcelerator platform which provides the student with the complete repository of learning material in the form of notes, video lectures, titles of textbooks/reference books, and links to additional learning materials. This also provides a platform for online quiz evaluates and records the continuous internal evaluation. The platform also allows the students to gain points based on the activities attended, projects submitted, additional courses learnt which are mapped to various job descriptions. Around six hundred plus companies are linked to the platform that can view the scores of the students and hence provides an employment opportunity to them. The institution has adapted to put into practice a novel idea in the teaching-learning process for the last few semesters. The innovative practice aims at active learning process of the students by involving them to come pre-prepared with concepts to the class,

participate in group learning inside the classroom facilitated actively by the faculty in a series of pre-planned steps. The innovative exercise has been implemented in collaboration and guidance of Xcelerator, an organization dedicated to the cause of augmenting student-centric learning through a modern digital learning platform. The implementation of innovative practices like flip class and project-based learning has been limited to only a few specific subjects on an experimental basis in a few of the topics/modules. Additional learning support for slow learners are provided through remedial classes. Tutorial classes are added along with regular classroom teaching to assist students in solving more problems

Examination and Evaluation

The institution has been following the norms of the university for the conduction of semester-end examination as it is an affiliated institution. But also practices continuous internal evaluation as adopted an Outcome-Based Education (OBE) system. The Continuous Internal Assessment (CIA) is performed through the assignments, internal tests, mini projects and quizzes as appropriate to the courses. In addition to the planned during the content delivery, three mandatory Internal Assessments (IA) are conducted at pre-defined intervals as per the university requirements. The conduction process of IA is centralized at the institution level and is executed by the IA committee consisting of coordinators from all the departments and the chairperson is nominated by the Principal. This committee is responsible to conduct the Internal Assessment as per the set procedure which includes scheduling the IA, setting question papers, allotting invigilation, seating arrangement, room allotment, conduction of the test, valuation and marks the entry in the prescribed format. Valuation is also centralised. Malpractices, if any are handled by the IA committee as per the set procedure. Many of the Quizzes, assignments and tests are administered through the Xcelerator platform. The Quiz is auto evaluated, assignments and tests are evaluated and marks are available on the platform itself. The

	<p style="text-align: center;">semester-end examination is administered by the examination committee</p>
<p style="text-align: center;">Research and Development</p>	<p>The institution is engaged in research and development with 5 VTU approved research centres to facilitate faculty to pursue research activities and executing sponsored projects. The research policy of the institution is reviewed annually and published to all faculty/website. The revised policies are encouraging in terms of direction and quality of research, workload, reimbursement of expenses and support grants. Apart from the approved research centres, the institution has established special laboratories like industry 4.0, Nanomaterials and additive manufacturing in the Department of Mechanical Engineering, IoT in Electronics and Communication, Robotics in Computer science and engineering to facilitate both the faculty and the students to pursue research activities. Students, in particular, can work on current technology through mini-projects and experiments in identified areas beyond the coverage of the syllabus thereby they acquire the knowledge/skill by doing. Designated faculty mentor the activities in the special laboratories. The mini-projects and the final year major projects are exhibited on a "Project Exhibition Day" every year. The alumni and industrialists are invited to evaluate the projects to reward the selected projects. Further mini projects can be taken up by the faculty and students in emerging areas of technology</p>
<p style="text-align: center;">Library, ICT and Physical Infrastructure / Instrumentation</p>	<p>The library has sufficient books and other learning materials for the readers and additional document collections are made available every year. The digital library has been reinforced with the latest version computers replacing the older ones. The association with VTU (VTU Consortium) which contains various databases like Knimbus, ASME(American Society of Mechanical Engineering), ASCE(American Society of Civil Engineering), Emerald publishers, TMH publisher, Elsevier, JCE(Journal of Civil Engineering), Packt, Springer to share digital content under licence is continued by</p>

renewing the licence annually. Turnitin, the Anti-Plagiarism software, a part of VTU Consortium is available in the library for plagiarism check of Project, article and research papers. DELNET (Developing Library Network) provides sufficient e-resources for the faculty and students. Apart from this, there are e-learning materials like NPTEL videos, NPTEL e-books etc.. The library has a membership of NDL(National Digital Library) to access the e-resources. The institution has sufficient classrooms which are ICT enabled and are used for digital content delivery. Computer laboratory for first-year students is being revamped with new computing systems and furniture. The laboratories in computer Science and Engineering, Information Science and engineering departments, Electronics and Communication Engineering have been renovated and refurbished. A Language Laboratory for practising communicative English has been established during the academic year 2018-19.

Human Resource Management

Both Teaching and Non-Teaching staff members equally contribute to the overall growth of the Students and the Institution. Hence human resources are the key to rapid socio-economic development and efficient service delivery. All educational system at every level depends heavily on the human resources for the execution of its program. The function of human resource management in education includes staff recruitment, staff maintenance, staff relations and staff development. The updated and comprehensive HR framework is circulated at the beginning of the academic year 2019-20.

Industry Interaction / Collaboration

The institution continues to propagate industry connect through: 1) Technical talks / Invited seminars 2) Industry visits/tours 3) Students' project work/internships 4) MOU(Memorandum of Understanding) The records are maintained in respective departments.

6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Administration	The Human Resource module with biometric machine integrated to it is used for monitoring the attendance of

	<p>the staff members to calculate the salary. The details of appointments, relieving, increments, promotion and leave management are done through Academia</p>
Examination	<p>The institution in collaboration with VTU has adapted online transactions for all the processes like registering of students with VTU for the semester-end exam, obtaining admission tickets generated on VTU website and downloading question papers for SEE. Even the appointment of examiners for practical examination has been computerised. Mandated by VTU, the institution has installed web cameras to monitor the conduct of examinations in various blocks. The results are announced online which are downloaded for analysis at the institution level.</p>
Finance and Accounts	<p>The institution has been using Tally integrated with Academia software to maintain and manage the inflow and outflow of the finances. The accounting starting from the foundation entries until the production of statement of accounts and financial reports required for strategic management, in particular, strategic planning is being produced through usage of the software.</p>
Student Admission and Support	<p>The institution uses Academia from Serosoft which is Student Information System and ERP software. All the information from the enquiry for admission up to admission approval and fixing the fees is done through the admission module. The complete student profile is created during admission itself. The records of the documents submitted during admission are also entered in Academia. The student data for the 1st semester is retrieved by the Basic Science Department from Academia</p>
Planning and Development	<p>The planning and Development activities are executed as under: Planning: Every academic year budget proposals will be submitted by the individual department after consolidating the requirements from the laboratory in-charges /functional coordinators/class coordinators. The Principal conducts a meeting with the department / functional heads to review the budget proposal and consolidates the same at the institution level. This is</p>

submitted to the Governing Council for approval. After the approval, the same is communicated to the concerned for further processing. Execution: The purchase of some of the identified materials is directly dealt with by the accounts department as per the request from various departments. The IT infrastructure is procured by the IT department through the purchase committee. The procurement of laboratory equipment is initiated by the respective department. A minimum of three quotations is collected from the reputed vendors. Demonstration of the equipment is arranged where the concerned faculty members are involved to give their suggestions regarding the equipment. A comparative statement is prepared with the suggestions included. This is forwarded to the accounts department where the purchase committee is involved in the negotiation, raising the purchase order and purchase of the equipment. After the delivery, the quantity and quality are checked by the concerned faculty, and the bill is forwarded to the accounts department for further processing and payment. One copy of the bill is retained in the accounts department and the remaining documents are preserved in the concerned department. The Tally which is used for accounting is integrated with the ERP, Academia

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2020	Dr. Shanthi Mahesh	Worshop: Outcome Based education for NBA	..	500
2019	Mr. Hanumanthappa	Internshala - Internship Day - BEST SPOC, @AICTE Headquarters, NewDelhi.	..	10000
2019	Mr. Rajendra	Emerging Trends in Information Technology with	..	1000

		Hands - On, @SVCE		
2019	Mr. Srinivasachar	Emerging Trends in Information Technology with Hands - On, @SVC.	..	1000
2020	Dr. Ambar Bajpai	IEEE Photonic Society Bangalore Chapter Conference.	500
2020	Prof. Pushpa Y	IEEE Photonic Society Bangalore Chapter Conference	..	1000
2020	Prof. Vasanthi S	Worshop: Outcome Based education for NBA attended at MVIT, Bangalore	...	500
2019	Mrs. Hemalatha	National Workshop on Socially Relevant Technical Education, NITTTR, Chennai	...	1200
2020	Dr. Surendra H J	International Conference at NITK Surathkal : RARE 2020	...	500

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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	Use of PRAYOGEEK Electronic kit for project-based learning	...	27/09/2019	31/10/2019	31	0
2020	Use of Xcelerator Platform	...	06/04/2020	08/04/2020	200	0

2020	ERP and LMS Process	...	05/04/2020	10/04/2020	200	0
2020	Application of Artificial Intelligence and Machine learning in real life	...	16/04/2020	18/04/2020	100	0
2020	Internet of Things - Opportunities Challenges	..	30/04/2020	07/05/2020	140	0
2019	Refresher Program for Support Staff - MS OFFICE Orientation	..	22/07/2019	23/07/2019	0	28
2019	Stress Management Workshop	..	23/12/2019	31/07/2020	0	101
2020	Linux Essentials Workshop	..	25/01/2020	01/07/2020	40	0
2020	Seminar on Digital Marketing	18/02/2020	19/02/2020	200	0
2020	Seminar on FOSS - FSMK	..	19/02/2020	01/07/2020	65	0
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Embedded System Design Flow on Zynq using Vivado	1	13/04/2020	13/05/2020	1
Application Development using MATLAB	1	20/04/2020	20/04/2020	1
Beyond MBA : Life Success	1	17/05/2020	17/06/2020	1

Mantra				
IoT (Internet of Things) for YOU ME	1	07/05/2020	07/05/2020	1
Role and Demand for 5G in ICT	1	30/04/2020	30/04/2020	1
Online session on AI programming using MAT LAB	1	09/04/2020	09/04/2020	1
Xilinx SDx flow and Machine Learning- Webinar	1	21/04/2020	21/04/2020	1
N AAC Silve Jubilee Celeberation	1	07/04/2020	07/04/2020	1
Joy of Teaching	1	19/04/2020	19/04/2020	1
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
54	6	21	4

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
1) A suitable group insurance scheme is being introduced for the benefit of both teaching and non-teaching staff members. 2) Maternity leave facilities are being extended to the women faculty in accordance with the set rules and norms. 3) On Official Duty (OOD) facilities are provided to attend workshops/training/Examination. 4) Financial Assistance is provided for attending conferences/paper publication. 5) Fee concession is provided for staff wards	1) A suitable group insurance scheme is being introduced for the benefit of both teaching and non-teaching staff members. 2) Maternity leave facilities are being extended to the women faculty in accordance with the set rules and norms. 3) On Official Duty (OOD) facilities are provided to attend workshops/training/Examination. 4) Financial Assistance is provided for attending conferences/paper publication. 5) Fee concession is provided for staff wards	A suitable general insurance scheme is being introduced to cover certain unforeseen eventualities like accidents etc. Immediate medical assistance is available in a large hospital adjoining our campus. Hostel resident students have utilized this facility, whenever required.

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

The institution has established a system to audit all the financial

transactions by both internal auditors and auditors of an external agency. The books of accounts and the supporting evidence are subjected to both internal and external audit. The internal audit practices to monitor the financial management of the institution to ensure the sound financial health of the institution. The internal audit is carried out to take care of the requirements specified and laid out by ADC / GC every month. An external audit carried out ensures total compliance with statutory requirements and obligations. The external audit is carried out biannually. The last external audit has been concluded up to 31st March 2019 and the internal audit has been concluded up to 30th September 2019. There have been no major objections surfacing out of both internal and external audit.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
NIL	0	NIL
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6.4.3 – Total corpus fund generated

535407510

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	NA	Yes	Professors from all departments
Administrative	No	NA	No	NA

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

1) Every semester, Parents Teacher meeting is arranged to discuss about the development in the Institution 2) Discuss the activities performance of their wards and issues of respective tests 3) Carry out corrective actions as per the schedule and parents are also contacted during the emergency circumstances or medical issues of students 6.5.2 Activities and support from the Parent – Teacher Association (at least three) 1) Every semester, Parents Teacher meeting is arranged to discuss about the development in the Institution 2) Discuss the activities performance of their wards and issues of respective tests 3) Carry out corrective actions as per the schedule and parents are also contacted during the emergency circumstances or medical issues of students Subject of discussion Outcome Remarks (Contact details of parent conducting an activity, if any) ECE Parents-Teacher Meeting 2019 (17 Aug 2019,21st September2019) Improved attendance, IA Marks and Pass Percentage CSE 30-07-2019 Understanding of app, extended interaction Aug 17 Sep 21, 2019 Improved on Pass Percentage ISE Heath Checkup during Induction Programme 2020 VTU Criteria Parents-Teacher Meeting 2019 Improved Attendance and marks CV Parents-Teacher Meeting 2019 (17 Aug 2019,21st September2019) Improved Attendance and marks Hard copy available 13th June 2020 Online class feedback Video recorded link available ME Parents-Teacher Meeting 2019 (17 Aug 2019,21st September2019) Improved Attendance and marks Hard copy available BSE Related to students Academic Performance in the IA To improve the students' performance in academics Hard copy available PTM on 17/09/2019 1st Sem Related to students Academic Performance in the IA To improve the students' performance in academics Hard copy available Department

level PTM 1st Sem Related to Weak students Academic Performance To improve the student's performance in academics Hard copy available PTM on 13/06/2020 2nd Sem Related to students' Academic Performance in the IA COVID-19 situation for academic activities Parents opinion taken suggested them to handhold their wards in preparing for Exams Hard copy available MBA I Sem Attendance and Student performance Improve attendance Academic Performance III Sem Attendance and Student performance Academic Performance career advice II IV Sem Related to Online Classes Student Performance Improve online education receive feedback on challenges

6.5.3 – Development programmes for support staff (at least three)

1) Technical workshop to conduct lab as and when the syllabus changes 2) Refresher course on the usage of software tools 3) Personality development program

6.5.4 – Post Accreditation initiative(s) (mention at least three)

1) Implement OBE in true spirit. 2) Improve and streamline the academic process and train all the faculty on the same. 3) Motivating and supporting entrepreneurial drive amongst students by ABiC (Atria Business incubation Centre).

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	No
c) ISO certification	No
d) NBA or any other quality audit	No

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2020	CO Attainment	22/05/2020	22/05/2020	22/05/2020	30
2020	CO Attainment	23/05/2020	23/05/2020	23/05/2020	52
2020	Quality System Awareness and NAAC-MBA	10/02/2020	10/02/2020	10/02/2020	9
2020	Quality System Awareness and NAAC- ME and Civil	06/02/2020	06/02/2020	06/02/2020	20
2020	Training on Xcelerator Platform - CSE, ISE	07/04/2020	07/04/2020	07/04/2020	35

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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Gender Equality in Society at large	25/02/2020	29/02/2020	145	55
Women Awareness Programme	25/02/2020	29/02/2020	70	25
Road Safety & Women Empowerment	19/10/2019	31/10/2019	50	0
Webinar on Misinformation and learn how to identify fake news and verify photos and videos (from CICC member staff)	25/05/2020	25/05/2020	50	0

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources

Our Institute is very particular about Environmental Consciousness and Sustainability for which the alternate energy initiated in the campus is the Solar Energy. The institute has initiated for Solar Photovoltaic (PV) Plant commissioned of 40 kW at the rooftop in block A and 45.5 kW in B and C block to conserve the electric power in the campus, and green campus. Approximately 13,000 units of power are generated per month which is the saving, in consumption of electric power. The estimated total power consumption in the institute is 42,425 units. 31% of the power requirement of the campus is met by renewable energy sources.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	10
Provision for lift	Yes	10
Ramp/Rails	Yes	10
Braille Software/facilities	Yes	10
Rest Rooms	Yes	10
Scribes for examination	Yes	10
Any other similar facility	Yes	10
Special skill development for differently abled students	Yes	10

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	1	1	17/10/2019	7	Scratch Programming: A. S Kupparaju Bro's School	Training school students in basics of computer science cognitive thinking	38
2019	0	2	22/01/2020	8	AICTE Activity Earning points	Helping local school to achieve result	12
2019	1	1	10/07/2019	8	Technical Seminar on Hyperloop	Awareness on why Hyperloop is the need of the hour when other modes of transportation are available	30
2019	1	1	20/09/2019	22	SCHOOL BELL #Campaign For Govt Schools	Painting the walls of the schools. Providing necessary lab and other equipment like sports and first aid kits, creating a better infrastructure in the form of hygienic toilets and	27

						drinking water facility, and a lot more	
2020	1	1	28/02/2020	48	AICTE STUDENTS ACTIVITY POINTS	DAY-1 Interaction with students about their interest in higher education . • A skit on higher education. • Mathematics quiz. • Minute to win the game. • A skit on awareness of cleanliness. • Report / Review from students about the skit. • Campus clean	56
2019	0	1	05/06/2020	5	World Environment Day	Conserve Biodiversity to preserve humanity. Corona Virus Pandemic is a boon for Nature and Biodiversity	195
2019	0	1	12/07/2020	21	Three day Camp as part of Unnat Bharat Abhiyan a flagship programme	To identify developmental challenges and evolving appropriate	100

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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Atria Human Resource Manual	10/01/2020	The Atria Human Resource Manual comprises of 10 chapters. The follow up of the Chapters: Talent Performance Management Guidelines and Faculty Development Policy Programmes are under review

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
LIFE SKILLS (Induction)	28/01/2020	28/01/2020	240
Talk on Universal Human Values	30/05/2020	30/05/2020	120

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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1) Plantation: Around 70000 new plants have been planted without reusing the old plants, 500 Big plants and 150 trees 2) Rainwater harvesting: planning (under process) 3) Green audit: (i) A proactive and enlightened Green Audit Committee formed helps to keep the environment on the campus pollution-free and neat and clean. (ii) The committee comprises of teachers and students who work hand in hand to take care of the campus. (iii) The committee has ensured systematics disposal of the garbage by classifying them into biodegradable and non-degradable components. 4) Use of renewable energy: Use of renewable energy from solar energy exists on the campus. 5) Afforestation: Process of planting trees mentioned above. 6)Waste management - The activities and actions required to manage waste from its inception to its final disposal are well organized in the institute from the House Keeping and Facility committee.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

PROCTORIAL SYSTEM The proctorial system assigns a faculty member to every student. The proctor plays the role of a personal mentor for the student in all matters. For the institute, the proctor is the first point of reference for all matters concerning any specific student. The proctor guides the student at every step of their stay at the institute to be successful at whatever the student takes up. The proctor personally ensures that the student is aware of all the resources available for the student during their course of study at the institute. **ACTIVITY BASE LEARNING** Institute has identified structural engineering, environmental engineering and transportation engineering labs, which is beyond the syllabus. Each class is encouraged to form their group and

learns the concept through activity. It is also associated with certification from the industry.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<https://atria.edu/NAAC/Best%20Practices%202019-20.pdf>

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 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. 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.

Provide the weblink of the institution

<https://atria.edu/NAAC/Institutional%20Distinctiveness.pdf>

8.Future Plans of Actions for 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 a revamped MBA and Doctoral programmes with Advantage Courses. Institution is under transformation of continuously striving in implementing advanced Learning Methods like Digital Platform Flipped Classroom of teaching. Competencies training beyond syllabus will be the integral part of curriculum delivery for better placement opportunities. To indoctrinate entrepreneurial activities as a carrier option among the students 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 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 a 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 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. Institution has set its road map to upskill the faculty for their inclusive development over faculty advance programs, webinars, seminars, symposiums and conferences, process in place to enhance the technical publications.