



## Yearly Status Report - 2019-2020

### Part A

#### Data of the Institution

1. Name of the Institution	ACHARYA INSTITUTE OF TECHNOLOGY
Name of the head of the Institution	Dr. PRAKASH M.R.
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	08022555555
Mobile no.	9448864740
Registered Email	principalait@acharya.ac.in
Alternate Email	prakash@acharya.ac.in
Address	Acharya Dr. Sarvepalli Radhakrishnan Road Acharya PO, Soladevanahalli Bangalore-560 107, India
City/Town	Bengaluru
State/UT	Karnataka
Pincode	560107

<b>2. Institutional Status</b>																			
Affiliated / Constituent			Affiliated																
Type of Institution			Co-education																
Location			Urban																
Financial Status			Self financed																
Name of the IQAC co-ordinator/Director			Dr. Manas Mukhyopadhyaya																
Phone no/Alternate Phone no.			08022555555																
Mobile no.			9420028064																
Registered Email			ait-iqac@acharya.ac.in																
Alternate Email			acmait@acharya.ac.in																
<b>3. Website Address</b>																			
Web-link of the AQAR: (Previous Academic Year)			<a href="https://acharya.ac.in/assets/Internal%20Quality%20Assurance%20Cell/Acharya%20Institute%20of%20Technology/Internal%20Quality%20Assurance/NAAC/AQAR/AQAR%202018-2019.pdf">https://acharya.ac.in/assets/Internal%20Quality%20Assurance%20Cell/Acharya%20Institute%20of%20Technology/Internal%20Quality%20Assurance/NAAC/AQAR/AQAR%202018-2019.pdf</a>																
<b>4. Whether Academic Calendar prepared during the year</b>			Yes																
if yes,whether it is uploaded in the institutional website: Weblink :			<a href="https://acharya.ac.in/assets/Internal%20Quality%20Assurance%20Cell/Acharya%20Institute%20of%20Technology/Internal%20Quality%20Assurance/IQAC/Academic%20Calendars/AIT%20Academic%20Calendars/AIT_Academic_Calendar_2019_2020_Even_Sem.pdf">https://acharya.ac.in/assets/Internal%20Quality%20Assurance%20Cell/Acharya%20Institute%20of%20Technology/Internal%20Quality%20Assurance/IQAC/Academic%20Calendars/AIT%20Academic%20Calendars/AIT_Academic_Calendar_2019_2020_Even_Sem.pdf</a>																
<b>5. Accrediation Details</b>																			
<table border="1"> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> <tr> <td>1</td> <td>B++</td> <td>2.79</td> <td>2019</td> <td>01-May-2019</td> <td>30-Apr-2024</td> </tr> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	B++	2.79	2019	01-May-2019	30-Apr-2024
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				Period From	Period To														
1	B++	2.79	2019	01-May-2019	30-Apr-2024														
<b>6. Date of Establishment of IQAC</b>			30-Apr-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
Awareness program for the students of first year about different facilities at Learning Resource Center (LRC) such as Books, Journals and other learning print and e-resources, facilities, rules and regulations regarding books borrowing and other service	29-Aug-2019 1	594
Awareness program on Student Scholarship Portal (A portal of Govt of Karnataka) to create awareness among eligible students to online application of scholarship and e-attestation.	23-Nov-2019 1	150
One day workshop on awareness of CO PO attainment process (as per new format developed) to IQAC coordinators of all the programs	01-Feb-2020 1	50
<a href="#">View File</a>		

## 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
Chemistry, Biological Sciences, Master of Computer Applications	Research	DBT	2019 730	4400000
Mechanical Engineering	MODROBS	AICTE	2019 730	1254000
Biotechnology	RPS	AICTE	2019 1095	750000
Electrical and Electronic	RGS	VGST	2019 365	300000

Engineering				
Mechanical Engineering	Tequip Competitive Research Grant	VTU	2019 365	200000
MT, ME, EE, BT, EC, AU, IS	Students' project	KSCST	2019 180	775000
<a href="#">View File</a>				

<b>9. Whether composition of IQAC as per latest NAAC guidelines:</b>	Yes
Upload latest notification of formation of IQAC	<a href="#">View File</a>
<b>10. Number of IQAC meetings held during the year :</b>	4
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	<a href="#">View File</a>
<b>11. Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>	No
<b>12. Significant contributions made by IQAC during the current year(maximum five bullets)</b>	
Four out of five departments that applied for NBA Accreditation and was duly supported by IQAC were accredited by NBA for a period of three years. (Departments accredited: CSE, ECE, ME and MTE).	
IQAC led Acharya Institute of Technology in reassessment of NAAC and obtained B grade.	
Acharya Institute of Technology became an official center of Coursera Campus giving a wonderful opportunity for first 5000 students to register and appear for exams for 3000 courses. <a href="https://www.coursera.org/programs/acharyainstituteoftechnologysphqebh">https://www.coursera.org/programs/acharyainstituteoftechnologysphqebh</a>	
Initiation of quality audit on environment and energy (either by in-house resources or by external agency)	
<a href="#">View File</a>	
<b>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</b>	

Plan of Action	Achivements/Outcomes				
Conduction of Green audit, energy audit and environment audit as per NAAC norms	The audit was conducted by Campus. Technology (Times group) and the report was submitted to IQAC.				
To Initiate online teaching	Online classes were initiated when lockdown was declared due to Covid pandemic. Faculty members held classes in zoom platform for first few days, and the Institute developed inhouse online platform ALIVE for teachers and students for efficient TeachingLearningPractices. Notes and Assignments were uploaded on google classrooms. Laboratory experiments were recorded live and circulated among students. 2nd IA tests were also conducted online.				
To increase the number of research funding and proposals	A large number of proposals were submitted to various agencies and funding to a sum of about seventy lakhs was granted during the academic year.				
To develop common format to calculate CO attainments	A common format to calculate Course Outcomes (by taking into account the marks scored by the students in continuous internal evaluation (CIE), in semester end exams (SEE) conducted by the University and the feedback by the students in Course End Survey) was formulated, revised and approved for use by all faculty members.				
To revise and to finalize the rubrics for Project work and Technical Seminar	The rubrics for awarding the marks for Project Work and Technical Seminar were revised and finalized. The rubrics were then circulated among all programmes of the Institute for ensuring uniformity and transparency.				
<a href="#">View File</a>					
<b>14. Whether AQAR was placed before statutory body ?</b>	Yes				
<table> <tr> <th>Name of Statutory Body</th><th>Meeting Date</th></tr> <tr> <td>Governing Council Meeting, Acharya Institute of Technology</td><td>25-Jun-2021</td></tr> </table>		Name of Statutory Body	Meeting Date	Governing Council Meeting, Acharya Institute of Technology	25-Jun-2021
Name of Statutory Body	Meeting Date				
Governing Council Meeting, Acharya Institute of Technology	25-Jun-2021				
<b>15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?</b>	No				
<b>16. Whether institutional data submitted to AISHE:</b>	Yes				

Year of Submission	2019
Date of Submission	28-Feb-2019
<b>17. Does the Institution have Management Information System ?</b>	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	The Acharya Enterprise Resource Planning is the software used by the institute for Management Information System. The list of modules currently operational include: 1. Admissions 2. Academics 3. Proctorship 4. HR Module 5. Inventory 6. Housekeeping 7. Systems 8. Maintenance 9. Link to Online Classes. 10. Faculty Appraisal

## 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

"Acharya Institute of Technology, affiliated to VTU, follows the curriculum given by the university. The VTU provide the academic calendar. Based on the VTU academic calendar, college prepares the academic calendar. The academic calendar provides date of commencement of the academic session, duration of semester, period of internal assessment tests, final semester examinations etc.

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Each department allocates subjects to teachers based on their choices which will be collected at the end of the semester in the presence of Department academic committee and prepare time table by the time table coordinators. The teachers prepare the lesson plan, course file, teaching materials and delivery content. The lesson plan is prepared by the individual faculty under the guidance of concerned of Department academic committee.

1. Curriculum Development The curriculum is strengthened through Professional and Skill development activities like workshops, Summer/Winter schools, Hackathons, Domain trainings, Leadership pgms, in collaboration with Industry/Research Labs and Institutes which enhances the employability of the students, makes the students globally portable, inculcates research culture and societal connect amongst the students. Feedback and participation from industry and subject experts are taken to frame and execute the skill development pgms. which not only ensures the pgms are aligned with the thrust areas and latest technologies but also provides a platform to students and faculty for better linkage and connect with the industry/Renowned institutes. This has been a way for an increase in opportunities in terms of students internships, projects and placements. The students are encouraged and supported to take up certification courses under MOOC/SWAYAM etc.as a part of assignments under the academic evaluation. The institution has collaboration with noted institutions/universities within the country and abroad which connects the

students and faculty with joint project works and publications. The faculty members are encouraged to interact with outside world(industry and institutes) in attending conferences/workshops, faculty exchange pgms to keep abreast of the latest trends and technologies. This helps the faculty in strengthening the curriculum and timely impart this knowledge to the students. 2. Delivery and Documentation • The DAC at the department level monitors and supports in achieving the learning outcomes of the course amongst all the groups of students. Mentoring and counselling, additional classes are provided for students with lower learning ability and follow up of the same is done. Value added courses, and assignments are given and supported for the advanced learners. • Induction program with emphasis on OBE, Effective teaching learning aids and methodologies, mentoring students etc.,for the faculty newly recruited is conducted. The same is put into action and monitored both at the department (DAC) and institutional level (IQAC).

#### 1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employability/entrepreneurship	Skill Development
Geometric Dimensioning and Tolerancing	NA	20/09/2019	2	Focus on employability	Skill Development
One Week Live Online Certificate Course on "Composite Materials and Its Characterizations"	NA	22/07/2019	5	Focus on employability	Skill Development
Summer school on python programming, Embedded system and IOT	NA	10/07/2019	10	Embedded system /IOT engineer	writing python scripts, core scripting elements such as variables, flow control Structures, interface various sensors and actuators to Raspberry PI and uploading data to the cloud, projects in the field of Embedded System and IoT.

Winter School on Practical Deep Learning and Computer Vision	NA	16/01/2020	10	Data science, Machine learning, Image processing	OpenCV Libraries for digital image processing applications, explore Keras and Tensor flow for deep learning applications, Machine Learning and Image processing projects.
In-house Winterschool on Robotics and its application	NA	13/01/2020	15	Focus on employability	Skill Development
Orcad software for PCB Design	NA	08/10/2019	2	Employability	Students will gain the Skill to develop PCB design
Application of MATLAB and Scilab for Electrical Engineering	NA	03/02/2020	5	Employability	Skill Development

## 1.2 – Academic Flexibility

### 1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	ME-Robotics and Automation(17MT661)	10/02/2020
BE	ME-Unmanned Aerial Basics and Applications(17AE661)	10/02/2020
BE	ME-Phython Application and Programming(17CS664)	10/02/2020
BE	ME-Artificial Intelligence (17CS562)	29/07/2019
BE	ME-Automobile Engineering (17AU561)	29/07/2019
BE	ME-Automation in Manufacturing (17MT562)	29/07/2019
BE	MT-Kannada and CIP	08/01/2019



BE	MT-Basic Electrical Engg Lab(18ELEEL17)	01/08/2019
BE	MT-TOTAL QUALITY MANAGEMENT(17ME664)	01/02/2020
BE	MT-NANOBIOTECHNOLOGY(17BT662)	01/02/2020
<a href="#">View File</a>		

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
Nill	NIL	Nill

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

	Certificate	Diploma Course
Number of Students	587	Nil

### 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
Robotics and its application	13/01/2020	30
Python programming, Embedded system and IOT	10/07/2019	60
Practical Deep Learning and Computer Vision	16/01/2021	50
Cyber Security and Web Application Security	29/05/2020	136
Composite Materials and Its Characterizations	22/06/2020	63
Application of MATLAB and Scilab for Electrical Engineering	03/02/2020	30
CAD/CAM/CAE	05/03/2020	120
Geometric Dimensioning and Tolerancing	20/09/2019	120
Embedded system design for IoT applications using TI boards.	16/01/2019	40
Practice with CADENCE Tool for circuit design	02/05/2019	30
<a href="#">View File</a>		

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	Mechanical Engineering	124

BE	Aeronautical Engineering	128
BE	Automobile Engineering	48
BE	Automobile Engineering	1
BE	Biotechnology	19
BE	Electronics and Communication Engineerin- Embedded system and Signal Processing	21
BE	Electronics and Communication Engineering- VLSI	36
BE	Electronics and Communication Engineering- AI & ML	17
BE	Electronics and Communication Engineering- Communication & Networking	28
BE	Information Science and Engineering	121
<a href="#">View File</a>		

#### 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
<p>Acharya Institute of technology regularly takes feedback from its stake holders like students, alumni, recruiters and parents 1) Students feedback is taken which acts as the first hand information in looping back either in providing corrective measures of the TLP/recognition of the TLP mechanism of the faculty The institution collects feedback from the passing out students of all the departments during exit interview. Also the students are free to give their feedback anytime during their stay in institute. The data collected is processed. The data is used to implement any corrective or preventive action to rectify the deficiencies. 2) Feedback from alumni is also collected from time to time. This data is used to upgrade the facilities, process and curriculum development. 3) The training and placement cell collects feedback from senior executives from the industry, who visit the campus for campus interviews, on the performance of the students. This feedback is looped back to the departments to make the necessary changes in program 4) Also, feedback from the students and their parents is obtained to provide valuable inputs for improving the support services like central library, hostels, sports activities, health Centre and transportation. The department clubs/associations also collect</p>

feedback from students after every program and the suggestions are considered for improving the facilities/services, a few of such feedback implemented are mentioned below. 1) Library hours ( extension of reading room ) 2) Remote access of e-resources collected from all premier institutions and faculty from all departments. 3) Establish of EDP cell. 4) Financial support to participate in seminars (conferences) events. 5) Extra coaching for competitive examination. 6) Mock interviews and placements and guidance. 7) Training on a specific domain as per the industry demands 8) Industry connects by having the in the campus. 9) Lecture materials in terms of PPTs and videos for all theory subjects and labs to help low achievers and fast learners. 10) Project and internship oriented classes.

## 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
BE	MI	60	62	18
BE	ME	120	151	65
BE	IS	120	95	115
BE	EE	60	109	37
BE	EC	120	114	101
BE	CS	120	915	124
BE	CV	120	224	77
BE	BT	60	148	31
BE	AU	60	74	28
BE	AE	60	324	54
<a href="#">View File</a>				

### 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	3757	604	231	54	Nil

### 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
285	285	4	42	2	7
<a href="#">View File of ICT Tools and resources</a>					
<a href="#">View File of E-resources and techniques used</a>					

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

Acharya Institute of Technology has a very strong proctorial system to provide student's a sense of security, bonhomie, elderly guidance, mentoring for academic and personal needs. A proctor, a member of the Faculty, so entrusted with the responsibility, pays personal attention to and monitors Student's academic progress in college hours and behavioral process outside the campus. Management motivates and enables a student to look to his proctor as a patriarchal/ matriarchal figure, guide and philosopher by the process which enriches the interaction so essential for the academic ambience embellished with a human touch. A proctor records personal data of each student including parent contact details, regular attendance and academic details, communication details into a software specially designed by the college "AIPS" , so that Chief Proctor, Head of the Department, Principal can view details of a student at any time and offer required support. Objective of the proctoring process is to closely monitor student's progress in terms of his attendance, punctuality, academic performance and learning capabilities - as part of the curricular requirements. Also to help identify, outside the curricular requirements, the student's habitual deviations, attitudinal aberrations, utilization of facilities and associative growth of personal attributes. The system provides an early warning through the Proctor's feedback on a periodic basis to the Parents, Heads of departments, Course Co-ordinators, Principal and Management on classified needs for their intervention and mid-course corrections. Allotment of proctors : • As a student reports in first year he/she will be allotted with a proctor. • A group of 20 students will be allotted to one proctor. • All girl students are allotted to female faculty only. • All students from a state/ nation will not be with one proctor to satisfy equal opportunity rule. Regular Communication Process : • Each proctor meets all his proctees fortnightly at a pre specified time slot in regular time table. • Parents are informed attendance, internal exam marks after every IA exam by the proctor. • An SMS/ mail is also sent to parents with these details. • All such communication is recorded in AIPS. Special Case communications: • If a proctee is found to be irregular in attendance, immediate call will be made to parents. • If a proctee is found to be below average in academic performance proctor will counsel him/her for study style, material, subject teacher guidance etc. • If necessary, parents will be called to meet HOD / chief proctor and take corrective measures. In short proctor system provides the parents a single window source of information about their ward through proctor and expects parents to contact proctor for any support regarding academic needs of their ward.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
4361	285	1:15

## 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
285	285	Nil	12	43

### 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
2020	Prof. Nagaraja K C	Assistant Professor	Young Research Award Institute of Scholars
2020	Mrs. Bhagirathi Bai V	Assistant Professor	State Level 1st Prize in KSCST Project
2019	Dr. Suneetha T B	Assistant Professor	Best Project from KSCST
2019	Dr. Shilpa Sivashankar	Assistant Professor	KSCST fund
2019	Dr. Ashalath	Assistant	KSCST fund

		Professor	
2019	Mr. Devasis Pradhan	Assistant Professor	Best Teaching -e content
2020	Mr. Devasis Pradhan	Assistant Professor	Educator Award
2020	Mr. Devasis Pradhan	Assistant Professor	Best Teacher
2019	Mr. Viswanath V	Assistant Professor	Researcher Award
2019	Mrs. Kalpavi C Y	Assistant Professor	Best College Teacher of the Year
<a href="#">View File</a>			

## 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
BE	MT	Semester	22/06/2020	09/09/2020
BE	ME	Semester	22/06/2020	09/09/2020
BE	ISE	Semester	22/06/2020	09/09/2020
BE	EEE	Semester	22/06/2020	30/09/2020
BE	ECE	Semester	22/06/2020	30/09/2020
BE	CSE	Semester	22/06/2020	28/09/2020
BE	CV	Semester	22/06/2020	12/09/2020
BE	BT	Semester	22/06/2020	12/09/2020
BE	AU	Semester	22/06/2020	12/09/2020
BE	AE	Semester	22/06/2020	12/09/2020
<a href="#">View File</a>				

2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

The Continuous Internal Evaluation (CIE) forms a major part of the Outcome Based Education System. At Acharya Institute of Technology, the following reforms have been initiated to ensure the practice of OBE by all its stakeholders: 1. Question Paper printing at the central level to maintain confidentiality and transparency. 2. Introduction of concept of innovative questions to enhance the thinking and learning levels of students. 3. Assignments in the form of mini-projects, MOOC courses, role-plays, seminars, quizzes, case studies, etc. to enhance the holistic development of students. 4. Appointment of Internal squad to monitor fair conduction of Internal Assessments. 5. Regular Question paper quality check by module coordinators and Heads of Departments. 6. Display of Course outcomes in question papers for the knowledge of students. 7. Discussion of schemes with students to ensure transparency. 8. Rubrics for assessment of mini-projects, seminars, presentations etc. 9. Department Academic Committee to evaluate the attainment of courses and the program. 10. Department Advisory Board and Department Academic committees to devise activities to bridge the gaps and also suggest reforms in CIE if required.

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

Institution follows strictly the University (VTU) calendar of events from the commencement of semesters to the end of semester including practical and theory examinations. After the sixth week, tenth week and fourteenth week of commencement of the semester, the first, second and third internal test will be conducted and the internal practical exam will be held in the fifteenth week of the semester as per the guidelines given by VTU. Information in this regard is mentioned in our academic calendar of events and is circulated to all the students through the department Heads before the commencement of the semester for students to plan well in advance. Four days after every internal test, faculty are advised to handover the evaluated answer scripts and the scheme will be discussed with the students in the class for clarity of thoughts, understanding evaluation of answer scripts and weightage given to different steps in the answer to ensure transparency in the evaluation by teacher. In accordance to the Examination Time Table released by the VTU, Chief Superintendent (CS) shall arrange through Dean Examination well in advance the requirement of Deputy Chief Superintendent (DCS), Relieving Room Superintendent (RRS), Room Superintendent (RS). Office Superintendent shall hold the responsibility of preparation B-Forms, examination display charts consisting - Students USN, Examination Block Number on daily basis for the VTU Examinations. Dean Examination will send the allotment of examination duties to HODs and Faculty members about DCS and RS duties. 1. Continuous evaluation of three internal assessments will be conducted as per prescribed regulations of the University. 2. Course coordinator will set the question paper based on the syllabus covered. 3. Question paper will be set for 50 marks and reduced to 30 marks. 4. Average marks scored by students from all three internal tests will be considered for awarding final IA marks along with assignment for 10 marks. 5. Final IA marks will be shared with students for their confirmation and if any clarifications with respect to marks, students can meet course coordinator and clarify the same. 6. Faculty who handled respective subjects will be mapped in VTU portal for uploading marks. 7. Respective faculty members will enter the final IA marks and freeze the same. 8. HOD will check and freeze IA marks from his/her end and then inform principal to freeze. 9. After Principal approval consolidated report of final IA marks will be taken print out. 10. Students and faculty members are informed to verify their marks and sign. 11. Final hard copy of IA marks will be attested by HOD and Principal and sent to VTU. The institute also ensures that the Calendar of Events prepared do not hinder the smooth functioning of Examination activities.

### 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://acharya.ac.in/assets/pdf/allfiles.pdf>

#### 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
ME	BE	Mechanical Engineering	124	122	98
IS	BE	Information Science and	116	113	97.4

		Engineering			
EE	BE	Electrical & Electronics	109	107	98.2
ECE	BE	Electronics and Communication Engineering	105	97	92.38
CV	BE	Civil Engineering	123	120	98
CS	BE	Computer Science and Engineering	118	117	99
BBT	Mtech	BioTechnology	2	2	100
BT	BE	BioTechnology	20	20	100
AU	BE	Automobile Engineering	51	47	93.62
AE	BE	Aeronautical Engineering	56	35	63
<a href="#">View File</a>					

## 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://acharya.ac.in/assets/Internal%20Quality%20Assurance%20Cell/Acharya%20Institute%20of%20Technology/Internal%20Quality%20Assurance/NAAC/SSS/SSS\(2019-2020\).pdf](https://acharya.ac.in/assets/Internal%20Quality%20Assurance%20Cell/Acharya%20Institute%20of%20Technology/Internal%20Quality%20Assurance/NAAC/SSS/SSS(2019-2020).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	730	DBT	44	33.4
Major Projects	730	AICTE-MODROBS	12.54	0
Major Projects	1095	AICTE-RPS	7.5	7.43
Major Projects	365	VGST	3	0
Industry sponsored Projects	150	Reddef Private Limited - HPCL	2	0.5
Industry	365	TATA Auto	4.96	2.4



sponsored Projects		comp GY batteries Pvt ltd, Pune		
Projects sponsored by the University	365	VTU-TEQIP	2	2
Students Research Projects (Other than compulsory by the University)	180	KSCST	0.14	0.14
Students Research Projects (Other than compulsory by the University)	120	KSCST	0.05	0.05
Students Research Projects (Other than compulsory by the University)	120	KSCST	0.08	0.08
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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
Intellectual Property For Automotive Engineers	Automobile	23/05/2020
Innovative Ideas Patenting	Automobile	24/05/2020
Emerging trends in Automotive Technology	Automobile	26/11/2019
Recent trends in Mechanical Automobile Engineering	Automobile /Mechanical	27/01/2020
Talk on Intellectual Property rights and process of patenting by Dr. Sharana Gouda, Head of Biotechnology Group, Patent office, Chennai, INDIA in Five day faculty development program Trends of Research to Unravel Science and Technology (TRUST)- 2	Biotechnology/Physics	03/02/2020
Scenario of Biotechnologists Post-COVID-19	Biotechnology	28/02/2020



Recent Trends in Construction Safety and Alternate Building Materials	Civil Engineering	21/01/2019
Workshop on QGIS	Civil Engineering	10/05/2019
Intellectual Property Rights and Patent Filing	Civil Engineering	25/05/2019
Challenges in Entrepreneurial development, Ethical Behavior in business and career development - Entrepreneurial Development TALK	Mechatronics Engineering	11/12/2019
industry visit to Karnataka German Multi Skill Development Centre (KGMSDC)	Mechatronics Engineering	11/12/2020
Scope of Data Analytics in the field of Mechatronics	Mechatronics Engineering	06/08/2020
Insurgency of analytics in the world of mechatronics due to pandemic	Mechatronics Engineering	14/06/2020
Significance of Theory in Engineering Field and How to Evolve or Conceptualize Technology"	Mechatronics Engineering	22/08/2019
Materials and Processes in Aerospace application"	Mechatronics Engineering	12/10/2019
Organised an Invited talk on "Intellectual Property Rights" on 16/11/2019.	Electrical Engineering	16/11/2019
Embedded system design for IoT applications using TI boards.	Electronics Communication Engineering	16/01/2019
Practical Foundation on "Artificial Intelligence"	Electronics Communication Engineering	07/02/2019
Workshop on "Practice with CADENCE Tool for circuit design"	Electronics Communication Engineering	02/05/2019
Workshop on "Embedded System Design using TI boards"	Electronics Communication Engineering	24/08/2019
Workshop on "Robotics in Industrial Automation using MATLAB"	Electronics Communication Engineering	27/10/2019
Work shop on Cloud-based Hands-on Approach for VLSI Design	Electronics Communication Engineering	15/02/2020

Summer School on "Python Programming, Embedded Systems and IoT"	Electronics Communication Engineering	10/07/2019
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### 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
PVC Sponges	Students: Sure sh. Tejaswini, Kasturi Teacher: Suneetha T. B	KSCST	26/07/2019	Kscst Best Project Award Funding Of Rs. 7000/-
Biosensors	Students: Leya V, Sandesh C Under Teacher: Dr. Shilpa Shivashankar	KSCST	26/07/2019	Kscst Funding Of Rs.6000/-
DESIGN AND FABRICATION OF NANO-BASED HAEMOSTATIC SCAFFOLD: IN VIVO STUDIES	Students: Mr. PIYUSH PAL Mr. SRIJANA DEY under the teacher Dr. Suneetha T.B	KSCST	08/06/2020	Kscst Funding Of Rs.7000/-
PAPER BASED POINT OF CARE DEVICE FOR EARLY DIAGNOSIS FOR RENAL CARCINOMA	Student: Ms. YASHASWINI C Under the teacher : Dr. Shilpa Sivashankar and Dr. Ashalatha	KSCST	08/06/2020	Kscst Funding Of Rs.6000/-
APPLICATION OF HATCHERY WASTE IN DEVELOPMENT OF NOVAL PRODUCT	Student : Amarnath K.P under the teacher Dr. Suneetha T.B	KSCST	08/06/2020	Kscst Funding Of Rs.8000/-
POTENTIAL USE OF ALGAE BIOMASS FOR LIPID PRODUCTION FROM WASTEWATER TREATMENT AS A BIOFUEL FEEDSTOCK	Student: V.VARALAKSHMI Under the teacher Dr. Suneetha T.B	KSCST	08/06/2020	Kscst Funding Of Rs.7000/-
YITPA award	Shruthi U	CSI	17/01/2020	National convention 2020
Teacher Innovation Award	Mr. Devasis Pradhan	Sri Aurobindo Society , ZIIIEI -2019	24/09/2019	Best Teaching -e content
Bright Educator Award	Mr. Devasis Pradhan	IRSD, CII, Chandigarh, 10th January 2020	01/10/2020	Educator Award

International Conference held in Chengdu, China on 15 -16 December, 2020	Mr. Devasis Pradhan	Researchfora, Chengdu, China	16/12/2020	Best Paper Award
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### 3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
Acharya Technology and Business Incubator	Acharya Technology and Business Incubator	NA	NA	NA	Nil
No file uploaded.					

### 3.3 – Research Publications and Awards

#### 3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

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

Name of the Department	Number of PhD's Awarded
Aeronautical Engineering	1
Automobile	1
Biotechnology	1
Computer Science	1
Electronics and Communication	2
Information Science	1
Mathematics	4
Master of Business Administration	2

#### 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)
International	Aeronautical Engineering	9	0
International	Automobile	1	0
International	Biotechnology	9	6
International	Chemistry	6	5.68
International	Civil	1	0
National	Computer Science	7	2
International	Computer Science	4	4.27
National	Electronics and Communication	3	1.07
International	Electronics and Communication	22	2.67

International	Mathematics	19	3.75
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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
Automobile	1
Biotechnology	3
Civil	4
Computer Science	1
Electronics and Communication	11
Electrical and Electronics	5
Information Science	1
MBA	3
Mechatronics	3
Physics	6
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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
Conceptual Design and Static Structural Analysis of a Quadcopter for Heart Mobility in Bangalore City	Kruthika K C	Journal of Aerospace Sciences and Technologies	2020	0	Department of Aeronautical Engineering, Acharya Institute of Technology	Nil
Understanding of Ice Accumulation and Accretion over an Airfoil,	Swetha S and Dr S K Maharana	International Journal of Recent Technology and Engineering (IJRTE)	2019	0	Department of Aeronautical Engineering, Acharya Institute of Technology	Nil
Design and Development of Hexacopter for Contro	Swetha S, Mohamad Omar Zin Al Abdin, Aijaz	International Journal of Creative Research	2020	0	Department of Aeronautical Engineering,	Nil

	lling Crowd	Ahmad Mir, Vaishnavi Kandalgaonkar, Mithlesh Agrahari	Thoughts (IJCRT)			Acharya Institute of Technology	
	Bayesian inference of a multi variate model involving Nusselt Number (Nu), Prandtl Number (Pr) and Stanton Number (St) and Volume Fraction of Vapor in a phase change situation around a cylinder in staggered arrangement	Ravi P and Dr. S K Maharana	Journal of Experimental and Computational Multiphase Flow	2020	0	Department of Aeronautical Engineering, Acharya Institute of Technology	Nill
	Experimental Study of Pressure Distribution of Turbulent Flow Past A Square-Section Cylinder At Different Angles of Attack (AOA)	G. Amit, S. K. Maharana, and Manjunatha	Advances and Applications in Fluid Mechanics	2019	0	Department of Aeronautical Engineering, Acharya Institute of Technology	Nill
	Numerical Investigation on Effect of Orientation and Rotation	Ravi Pullepudi and Dr. S. K. Maharana	International Journal of Applied Engineering Research	2019	1	Department of Aeronautical Engineering, Acharya Institute of	Nill

on Liquid Vapor Phase Change around a Cylinder in Staggered Arrangement					Technology	
Correlation of Temperature, Velocity and Performance Location in a Flat Unglazed Transpired Solar Collector (UTC) Due to Air Flow	SP Panigrahi, SK Maharana	International Conference on Emerging Research in Civil, Aeronautical and Mechanical Engineering	2019	0	Department of Aeronautical Engineering, Acharya Institute of Technology	Nill
Experimental Characterization of Graphene-Based Polymer Matrix Composites For An Unmanned Aerial Vehicle	Vijaya Kumar R., S K Maharana	International Journal of Materials Engineering and Technology	2019	0	Department of Aeronautical Engineering, Acharya Institute of Technology	Nill
Motorcycle Headlight Design for Clear Visibility and Comfortable Riding	KP Prashanth,	Our Heritage Journals	2019	0	Dept. of Automobile Engineering, Acharya Institute of Technology, Bengaluru, Dept. of Automobile Engineering, Acharya Institute of Technology, Bengaluru,	Nill
Biodiesel Production, Optimization	Shreehari P. Shalidar,	International Research Journal of	2020	0	Dept. of Automobile Engineering, Acharya	Nill

tion and Fuel Properties Characterization of Waste Fish Oil	Athith D	Engineering and Technology (IRJET)			Institute of Technology, Bengaluru, Dept. of Automobile Engineering, Acharya Institute of Technology, Bengaluru,	
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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
Advances in wound healing and wound care technologies-A Review	Ashalatha, Karthik G Vaidya, Pooja B	IJPSRR, www.globalresearchjournalonline.net	2020	27	Nill	Acharya Institute of Technology
Transcriptome mining and functional annotation of <i>Coscinium fenestratum</i> (Gaertn.) Colebr by Next Generation Sequencing	Ashalatha, S.M.Gopala	Research Journal of Biotechnology	2020	3	Nill	Acharya Institute of Technology
Advances in Wound Healing and Wound Care Technologies - A Review	Ashalatha, Karthik G. Vaidya and Pooja B	Int. J. Pharm. Sci. Rev. Res	2020	3	Nill	Acharya Institute of Technology
Nanopackaging of Food-An Overview	Nilakshi Mazumder and Shilpa Sivashankar	Research Journal of Pharmaceutical, Biological and Chemical Sciences	2020	27	Nill	Acharya Institute of Technology

Biotechnological Application of Electrochemical Biosensors-A review	Minika Chetry, Nilakshi Mazumder, Diksha Gupta and Shilpa Sivashankar	Research Journal of Pharmaceutical, Biological and Chemical Sciences	2020	27	Nill	Acharya Institute of Technology
Transdermal Drug Delivery for Controlled Drug Administration-A Review	Diksha Gupta, Minika Chetry, Nilakshi Mazumder, and Shilpa Sivashankar	International Journal of Pharmaceutical Sciences Review and Research	2020	24	Nill	Acharya Institute of Technology
Electrochemical Biosensors and Transdermal Drug Delivery System as an approach to diagnose and treat Hypertensive Heart Disease-A Review	Nilakshi Mazumder, Diksha Gupta, Minika Chetry and Shilpa Sivashankar	International Journal of Engineering and Techniques	2020	Nill	Nill	Acharya Institute of Technology
Engineered Microbiome - The Successor of Medicines	Suneetha T B	International Journal of Pharmaceutical Sciences Review and Research	2020	24	Nill	Acharya Institute of Technology
A review on microalgae as a biofuel feedstock	Dr. Suneetha TB	International Journal of Creative Research Thoughts Journal of Multidisciplinary Educational Research	2020	Nill	Nill	Acharya Institute of Technology
A review on hatchery waste	Dr. Suneetha TB	World Journal of Pharmaceutical	2020	27	Nill	Acharya Institute of Technology



management		Research			
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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	57	179	29	71
Presented papers	41	16	Nil	3
Resource persons	7	11	2	11
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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
Red cross activity, Awareness of Covid-19	Department of Automobile Engineering and Dept of Mechanical Engineering	1	130
NSS activity Swatch Bharath	NSS wing of Acharya Institute of Technology, Staff and students of AIT, Kassaghattapura pachayath have initiated one step towards cleanliness	2	50
NSS activity Swatch Bharath	NSS wing of Acharya Institute of Technology, Staff and students of AIT, Kassaghattapura pachayath have initiated one step towards cleanliness	1	50
NSS event Flood relief activity, Assist the state during disaster relief and rehabilitation operations from 13th to 16th August 2019	NSS AIT Wing and Faculty members, students and staff, Department of CSE	5	20
NSS activity One Student, One Tree Tree plantation	NSS AIT Wing and Faculty members, students and staff,	5	20

involves transplanting tree seedlings to grow forests and spread greenery around , from 14th August 2019	Department of CSE		
WEBINAR on International Disabled Day on 22nd December 2020.	Dr.Mahantesh.G.Ka vidasannavar Founder and Managing Trustee Samarthanam trust for Disabled	2	20
Webinar on GO GREEN, SAVE TODAY, ENDURE TOMORROW" CELEBRATION OF CONSERVATION OF ENERGY DAY on 19th December 2020	Dr.Shridhar Harikrishnamoorthy Founder and CTO Scientific Advisor VNS Enviro Biotech Pvt Ltd Chennai	2	20
NSS activity, SCHOOL BELL CAMP UNDER CAMPUS COMMUNITY PROGRAMME, on 21ST TO 23RD SEPTEMBER 2019.	NSS wing of Acharya Institute of Technology, Staff and students of AIT	2	40
Red cross activity,Voluntary Blood Donation Drive in association with LIONS and NIMHANS Blood Banks on 4th March 2020	AIT	2	30
Red cross activity,Yoga and Pranayama	AIT, Bangalore	30	Nill
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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
Tree Plantation	Certificate of Appreciation	Rotary Bangalore	40
Workshop for Deaf And Dumb	Certificate of Appreciation	Rotary Bangalore	35
Students Solar Ambassador Workshop 2019- IIT BombayX: SSA101x Hands-on training on Solar Study Lamp	IIT Bombay	IIT Bombay	372

Assembly", Gandhi Global Solar Yatra (GGSY). To adopt Gandhian ideologies

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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
NSS activity, Samvidhan Divas	NSS Unit of Acharya Institute of Technology	Samvidhan Divas	1	100
Awareness session for COVID-19	NSS Unit of Acharya Institute of Technology	Awareness session for COVID-19	4	80
NSS activity, SWACHH BHARAT MISSION ACTIVITY-Let's Make Swachh Bharat Abhiyana Success 1st October, 2019	NSS wing of Acharya Institute of Technology	SWACHH BHARAT MISSION ACTIVITY-Let's Make Swachh Bharat Abhiyana Success 1st October, 2019	1	500
Students Solar Ambassador Workshop 2019-IIT BombayX: SSA101x Hands-on training on Solar Study Lamp Assembly", Gandhi Global Solar Yatra (GGSY). To adopt Gandhian ideologies	EEE department faculty incoordination with IIT Bombay	Student Solar Ambassador Workshop 2019-IIT BombayX: SSA101x	3	372
NSS activity, SWACHH BHARAT MISSION ACTIVITY-Let's Make Swachh Bharat Abhiyana Success 1st October, 2019	Department of Electrical and Electronics Engineering	Swachh Bharath	2	50
NSS activity School Bell Program	BYRASANDRA Govt. school	School bell Program	12	40
NSS activity, Flood relief	NSS	supply of essential	5	50

		commodities for kodagu flood relief		
NSS activity, Swachh Bharat	NSS	Swachh Bharat	3	40
NSS activity, Plantation	Department of Biotechnology	Eco club activity	2	30
NSS activity, Swatch Bharath	Department of Automobile Engineering	Swatch Bharath	2	50
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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
Research Review Paper on Aluminium Based Functionally Graded Composites Published in Collaboration with DRDO	"Dr.T Ram Prabhu, DRDO Scientist Dr. Devarajaiah R M, Professor Department of MTE Mr. Naveen Kumar S N, Assistant Professor Department of MTE"	NIL	90
Research Internship	Yaseen Khan,Zaid, Yuganshu,Palak Tolwani	ODU, AIT	30
Aicte-UKEIRI-sponsored Technical Leadership Pgm, 3weeks of sponsored pgm and CMI level 5 certification	Dr.Rajeswari	AICTE	21
Student intern for Funded project by ministry of science and technology government of India	Mr.Syed Abdul Gaffar Shakhadri	ministry of science and technology government of India	90
Research	Prof.Nagamadhu M	VTU, TEQIP CELL , BELAGAVI	365
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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

Industry	Internship	Fluid Metals India Pvt Ltd	03/01/2020	03/02/2020	Basavaraj Dhulannavar
Industry	Internship	Federal-Mogul Goetze	13/01/2020	14/02/2020	M Sunil
Industry	Internship	Ezenith Education	15/07/2019	15/08/2019	Santosh Arkasali
Industry	Internship	Bimal Aito Agency	06/01/2020	05/02/2020	Srikanth B C
Industry	Internship	Bimal Aito Agency	06/01/2020	05/02/2020	Sanjay Misal
Industry	Internship	Bimal Aito Agency	06/01/2020	05/02/2020	Manohar k c
Industry	Internship	Audi service centre	05/07/2019	03/08/2019	Shyam Singh
Industry	Internship	Audi service centre	05/07/2019	03/08/2019	Naveen Kumar H U
Industry	Internship	Aishwarya enterprises	17/01/2020	18/02/2020	Mohan M
Industry	Internship	Abhishek Alloys Pvt Ltd, Macchhe, Belgaum	05/07/2019	05/08/2019	Yogesh Anandache

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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
GK Machineries and Robotics private LTD, Bangalore	27/09/2019	Share each others resources and expertise for training, consultancy and R D activitie	70
CADMAXX, Vijayanagar, Bengaluru	05/03/2020	Training on CAD/CAM/CAE	120
Throttle Aerospace Systems Pvt. Ltd, Bengaluru	19/11/2019	Facilitate exchange of knowledge and resources for mutual benefit	5
Avistrat Academy of Aerospace and Design (Avistrat)	25/10/2019	Facilitate exchange of knowledge and resources for	5

		mutual benefit	
UiPath Academic Alliance	13/05/2020	Domain Training	30
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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
250	264.88

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
Classrooms with Wi-Fi OR LAN	Existing
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	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 patially)	Version	Year of automation
KOHA	Fully	17.11	2017

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	68682	29852094	275	147500	68957	29999594
Reference Books	8518	3701569	15450	1300500	23968	5002069
e-Books	24471	2074384	Nill	Nill	24471	2074384
Journals	Nill	580204	7400	3627750	7400	4207954
e-Journals	2291	2074384	2	2414350	2293	4488734
Digital Database	1	4901770	Nill	Nill	1	4901770
CD & Video	186848	2074384	1	200000	186849	2274384
Library Automation	4	2938500	Nill	Nill	4	2938500

Weeding (hard & soft)	Nill	Nill	2	314000	2	314000
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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
Dr. B Manjunath	Numerical Integration	Youtube	26/04/2020
Dr. B Manjunath	Simlex, complex and Multiplex elements	Youtube	21/04/2020
Dr. B Manjunath	P and h Convergence	Youtube	21/04/2020
Dr. B Manjunath	Computer Aided Modeling and Analysis -Laboratory	Youtube	21/04/2020
Dr. B Manjunath	Simply Supported Beam with UDL and Point Loads	Youtube	21/05/2020
Dr. B Manjunath	Analysis of Cantilever Beam Point Loads	Youtube	21/05/2020
Dr. B Manjunath	Analysis Stress Concentration in Plate with Hole	Youtube	19/05/2020
Dr. B Manjunath	Analysis of Stepped Bar Problems using ANSYS	Youtube	12/05/2020
Dr. B Manjunath	Analysis of Truss Problems using ANSYS Software	Video	12/05/2020
Pranesh K G	Computer Aided Modeling and Analysis -Laboratory	Video	26/05/2020
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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	902	18	0	1	0	64	77	100	0

Added	0	0	0	0	0	0	0	0	0
Total	902	18	0	1	0	64	77	100	0

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

100 MBPS/ GBPS
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#### 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
Slideshare	<a href="https://www.slideshare.net/devasispradhan3">https://www.slideshare.net/devasispradhan3</a>
Academia	<a href="https://acharaya.academia.edu/DevasisPradhan">https://acharaya.academia.edu/DevasisPradhan</a>
Youtube	<a href="https://youtu.be/8Aw18n6og0Y">https://youtu.be/8Aw18n6og0Y</a>
Lecturenotes	<a href="https://lecturenotes.in/u/devasis_d">https://lecturenotes.in/u/devasis_d</a>
Youtube	<a href="https://www.youtube.com/playlist?list=PL95IC32F-WzVLMXaTdbZ3bKZbI8tyUiPT">https://www.youtube.com/playlist?list=PL95IC32F-WzVLMXaTdbZ3bKZbI8tyUiPT</a>
Scribd	<a href="https://www.scribd.com/document/375225328/Embedded-Controller-Lab-Manual-by-RAGHUNATH">https://www.scribd.com/document/375225328/Embedded-Controller-Lab-Manual-by-RAGHUNATH</a>
Scribd	<a href="https://www.scribd.com/document/385881597/Microcontroller-Lab-Manual-10ESL47-BY-RAGHUNATH">https://www.scribd.com/document/385881597/Microcontroller-Lab-Manual-10ESL47-BY-RAGHUNATH</a>

#### 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
550	511.8	1100	1090.39

##### 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)

Centralized Maintenance and Housekeeping (HK) Departments are instrumental in the maintenance and utilization of all the facilities in the college. The maintenance department is responsible for continued maintenance of electric supply to all the blocks in the college. Also maintenance of laboratories are also taken up by the maintenance department. The individual departments maintain log books to record the utilization of computers in the respective computer labs. Also general maintenance of the laboratories is the responsibility of the departments. The students have to enter the components taken for conduction of respective experiments in a log book to keep track of utilization of the laboratory and its equipment. Classrooms are allotted to the respective sections in the beginning of the semester and classes are held as per the time table for the entire year. The utilization of library is also kept on record both for faculty and students. Large proportion of the students make



use of the sports complex and the stadium to practice respective sports to represent the college and also for the purpose of fitness. The Physical Education Director is in charge of providing the sports facilities to the students. The housekeeping and maintenance department looks after the allocation and maintenance of seminar halls and the auditorium. The departments have to raise a request to the housekeeping department in the ERP requesting slots to conduct activities in the seminar halls and the auditorium. The housekeeping and maintenance department provides the slots on first come first serve basis and also priority basis. A few of the roles and responsibilities of the maintenance and housekeeping department include: 1.Clean Class rooms, hallways, lobbies, lounges, corridors, elevators, stairways, locker rooms and other work areas. 2.Upholstered furniture, draperies, using vacuum cleaners and/or chemical based products. 3.Empty wastebaskets and all other types of waste - to disposal areas. 4.To request for supplies to keep cleaning materials stocked and readied for use. 5.Sweep, scrub, wax and polish floors, using brooms, mops wet/dry and powered scrubbing machines. 6.Dust and polish furniture and equipment. 7.Keep storage areas and carts well-stocked, clean, and tidy. 8.Polish SS accessories and metalwork such as fixtures and fittings. 9.Wash window glass/railing, walls, ceiling fittings, and woodwork, waxing and polishing as necessary. 10.Request repair services and wait for repair workers to arrive. 11.Disinfect equipment and supplies, using germicides or steam-operated sterilizers. 12.Hang draperies, and dust window blinds. 13.Move and arrange furniture as per the requirement. 14.Observe precautions required to protect the property, and report damage, theft, and found articles to supervisors. 15.Prepare Board rooms for meetings, and arrange decorations, media equipment, and furniture for social or business functions. 16.Clean bathroom basins and sinks. 17.Scrub taps and showers and refill toilet dispensers. 18.Refill paper towels on towel stands. 19.Replenish liquid soap in soap dispenser. 20.Wipe and wash bathroom tiles using appropriate disinfectants. 21.Clean and polish mirrors and wipe any residual paintwork. 22.Empty trash bins and place them in recycle receptacles. 23.Scrub and mop floors using cleaner and bleach.

<https://acharya.ac.in/assets/Internal%20Quality%20Assurance%20Cell/Acharya%20Institute%20of%20Technology/Internal%20Quality%20Assurance/IQAC/Handbooks/SOP%20on%20Maintenance%20and%20Housekeeping.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	Management scholarships	235	33572678
Financial Support from Other Sources			
a) National	Taluk social welfare office [below 2.5 lakh] for SC ST [UG PG], DTE scholarship [Above 2.5 lakh] for SC ST[UG PG], OBC Scholarship [UG PG]-BCM Scholarship, Defence Scholarship	1595	32347100

b)International	AICTE- JK Scholarship	14	758200
<a href="#">View File</a>			

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
GATE crash course for final year students	16/01/2020	30	AIT faculties.
3rd sem Remedial classes	09/11/2019	35	3rd SEM, ECE faculties.
Examly - Day 1 Companies Bootcamp	11/06/2020	109	Examly
Company specific training	12/09/2019	109	JV Global
INFOSYS COMPANY SPECIFIC TRAINING	12/09/2019	121	J V GLOBAL
AIT	18/04/2020	121	AIT
Soft skill development	05/03/2020	120	CADMAXX, Vijayanagar, Bengaluru
Soft skill development	16/09/2019	122	J V GLOBAL
Soft skill development	27/09/2019	102	10 SECONDS
Infosys company Specific Training	16/09/2019	57	J V GLOBAL
<a href="#">View File</a>			

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	Company specific training	102	102	Nil	Nil
2019	INFOSYS specific training	66	66	5	5
2019	Coaching for competitive examination	36	36	Nil	Nil
2019	Gate coaching	30	30	3	3

2019	INFOSYS specific training	77	77	13	13
2019	TCS & CTS specific training	60	60	12	12
2019	Examly - Day 1 Companies Bootcamp	109	109	Nil	Nil
2019	Company specific training	124	124	Nil	Nil
2019	Domian Training	124	124	Nil	Nil
2019	INFOSYS specific training	122	122	5	5

[View File](#)

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
6	6	6

## 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
4Mirrortech Innovative Private Limited	5	2	Cape gemini	25	2

[View File](#)

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	6	BE-MT	Mechatronics Engineering	NA	M.S., M.Tech
2019	4	BE -ME	Mechanical Engineering	NA	M.S., M.Tech
2019	2	BE-ISE	Information Science and	NA	M.Sc

			Engineering		
2019	4	BE-EEE	Electrical and Electronics Engineering	NA	M.S., M.Tech
2019	13	BE-ECE	Electronics and Communication Engineering	NA	M.S., M.Tech
2019	5	BE-CIVIL	Civil Engg	NA	M.S., M.Tech
2019	9	BE-BT	Biotechnol ogy	NA	M.S., M.Tech
<a href="#">View File</a>					

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
GATE	7
TOFEL	12
GRE	12
Any Other	11
<a href="#">View File</a>	

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
MathApp 2019	Science Forum, Institutional Level	100
Poster Presentation	Science Forum Institutional Level	250
VTU Bangalore North Zone Kho Kho Men Tournament	Inter College	150
Story writing Competition	Inter College	50
ACARYA HABBA	Inter College	500
International Mother Language Day celebration	In House	300
Karnataka Rajyotsava- 2019	In House	500
Garba Ratri	In House	200
POORVA MANANA	In House	350
<a href="#">View File</a>		

### 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
2019	VTU Bangalore North Zone Football (Men) - State Level	National	1	Nill	NA	Team Event
2019	Pencil Sketching -Inter College	National	Nill	3	NA	Prakruthi
<a href="#">View File</a>						

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

There is a student council in which the students are nominated based on their academics, sports and cultural activities. Meeting of the student representatives are conducted periodically to receive feedback from the students about teaching- learning, hostel life and conduct of sports/cultural events. Student representatives from each department are inculcated as members in various academic and administrative bodies both at department and institutional level. Various academic and administrative bodies in the institution are: Ideating Cell - Implementation of innovative ideas and projects initiated by the students. Placement Cell - Student-Industry interaction to improve employability. Library Advisory Committee - For proper functioning of library and to introduce innovative services. Alumni Association- To maintain a healthy relationship between the institute and graduated students. Women's Cell - To facilitate a gender-sensitive and congenial working environment at the institute. ISTE Student Chapter - Organising workshops, conferences, seminars and publications Class Committee - To create learning situations in which students develop proficiencies based on effective educational and communication skills. Department Association/Forum - Organising workshops, conferences, seminars, project exhibitions, industrial trainings etc. NSS - Social welfare. Anti-Ragging Committee - Welfare of wards and students. Nature Watch club - Environmental conservation and awareness. I-Care - Social welfare and social responsibilities towards society. Cultural Committee/students welfare committee - Planning and implementing of activities that create an environment supportive to cultural awareness, cultural identity, and self-esteem among the students. Acharya Newsletter Committee - Dissemination of information. Idea Incubation Entrepreneur Cell(IIEC) - Identify, nurture and leverage research activities, bringing about innovation for the benefit of the community at large. Acharya Institutes Intellectual Cell- For ideating the ideas CodeChef AIT- To promote culture of competitive programming among students while building a peer learning environment

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The institution has a registered alumni association, Registered in 2007 with the Government of Karnataka, Reference No: Society Number BLU -S76-2007-08, CD NUMBERBLUS20 The Main Objective of the alumni association are: 1. Bring the Alumni of Acharya Institute under one platform for the exchange of experience,

dissemination of knowledge and talents with the objective of enhancement and sharing of scientific knowledge for benefit of society as a whole 2. To conduct seminars, conferences, webinars, workshops, endowment lectures, and other academic activities for the exchange and promotion of knowledge among students, faculty, and the general public. 3. To create and establish Alumni endowments for granting scholarships, prizes, and medals to the students showing high proficiency in their studies and honor former students of the Acharya Institute for their achievements in profession/in society. 4. To render financial aid to deserving students of Acharya and also to alumni members on compassionate ground. 5. To encourage the development of employability skills amongst students through Industrial visits and to identify Industry-specific projects 6. To act as a catalyst for national development by encouraging and facilitating the alumni to take up socially relevant activities having an impact on society in general. 7. To create opportunities for alumni and faculty members to collaborate with renowned research institutions around the world to carry out research. 8. To provide financial support to any academic projects or research undertaken to enhance the existing level of knowledge on the subject. 9. To encourage the formation of Regional Chapters inside India and across the world for ensuring wider participation of Alumni Activities and milestones 1. Annual Alumni Meet will be held in March every year and the Meet brings together a wealth of talented and capable professionals 'share their expertise and experience, and brainstorm on the prospective avenues. 2. Alumni Knowledge sharing series is a platform, where the Alumni will get connect with their juniors and Engaging the sessions on recent trends in technology, Pre-placement training, Domain training, etc. 3. Active participation of alumni in various committees like Department Advisory, IQAC, Placements, and Training. 4. The total number of members registered for the Alumni Association is over 7500. 5. Local Chapter in Bangalore, Karnataka, and two International Chapters in the USA (Chicago and San Jose). US chapter was registered during 2016 and 1st US Annual Alumni meet held on 8th October 2016 at Chicago. This marked the genesis of the US chapter of the AIT alumni association. The first-ever alumni meet was an upshot of the amalgamated efforts of alumni in the US and India 6. Alumni Network information: Alumni website is linked to the institution website: acharya.ac.in. The official e-mail: ait.alumni@acharya.ac.in. The official social network Facebook page: <https://www.facebook.com/groups/AcharyaAluminis/>

5.4.2 – No. of enrolled Alumni:

1294

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

Alumni Knowledge sharing series - 12

## 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)

Acharya Institute of Technology practices decentralization and participative management as given below: 1. The institute has identified Senior Experienced Professor as Deans for various verticals for overall quality assurance. The Deans and their responsibilities are: a. Dean Research and Development (RD): to monitor quality and practices in Research b. Dean Academics: to ensure effective implementation of outcome-based education c. Dean Student Welfare: to ensure holistic development of the students d. Dean Faculty Development: to

ensure holistic development of faculty e. Dean Examination: to ensure smooth conduction of examination process 2. The institute has constituted a number of committees mentioned below with representatives from all stakeholders wherever necessary to ensure the smooth functioning of the institute. The committees are responsible to conduct activities under their purview in order to ensure overall quality assurance. The committees constituted at the institute level are: a. Internal Quality Assurance Cell (IQAC): to ensure the quality systems are in place for all activities b. Grievance Cell: to address the grievances of all stakeholders c. Anti-ragging Committee: to curb ragging in the campus d. SC-ST Committee: to prevent atrocities against SC/ST students and create awareness e. NSS: to contribute significantly towards welfare of the society. f. Women's Cell: for Gender Sensitization, Prevention and Prohibition of Sexual Harassment of Women Employees and Students and Redressal of Grievances in Technical Institutions g. Sports and Cultural Committee: to support students in extracurricular activities h. Placement and Training Cell: to provide placements and training to be relevant in the outside world.

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
Curriculum Development	<p>The curriculum is strengthened through Professional and Skill development activities like workshops, Summer/Winter schools, Hackathons, Domain trainings, Leadership pgms, in collaboration with Industry/Research Labs and Institutes which enhances the employability of the students, makes the students globally portable, inculcates research culture and societal connect amongst the students.</p> <p>Feedback and participation from industry and subject experts are taken to frame and execute the skill development pgms. which not only ensures the pgms are aligned with the thrust areas and latest technologies but also provides a platform to students and faculty for better linkage and connect with the industry/Renowned institutes. This has been a way for an increase in opportunities in terms of students internships, projects and placements. The students are encouraged and supported to take up certification courses under MOOC/SWAYAM etc.as a part of assignments under the academic evaluation. The institution has collaboration with noted institutions/universities within the country and abroad which connects the students and faculty with joint project works and publications. The faculty members are encouraged to interact with</p>



	<p>outside world(industry and institutes) in attending conferences/workshops, faculty exchange pgms to keep abreast of the latest trends and technologies. This helps the faculty in strengthening the curriculum and timely impart this knowledge to the students.</p>
Teaching and Learning	<ul style="list-style-type: none"> <li>• The DAC at the department level monitors and supports in achieving the learning outcomes of the course amongst all the groups of students. Mentoring and counselling, additional classes are provided for students with lower learning ability and follow up of the same is done. Value added courses, and assignments are given and supported for the advanced learners.</li> <li>• Induction program with emphasis on OBE, Effective teaching learning aids and methodologies, mentoring students etc.,for the faculty newly recruited is conducted. The same is put into action and monitored both at the department and institutional level.</li> <li>• Students feedback is taken which acts as the first hand information in looping back either in providing corrective measures of the TLP/recognition of the TLP mechanism of the faculty.</li> <li>• Collaborative learning wherein subject experts in the dept. mentor and supports other faculty or newly recruited faculty in handling the course effectively.</li> <li>• The IQAC TLP audit at the institutional level helps in evaluating the TLP and suggest measures for improvement/brings in the innovative or best practices followed by an individual or dept. across the institution.</li> </ul>
Examination and Evaluation	<p>Institution follows strictly the University (VTU) calendar of events from the commencement of semesters to the end of semester including practical and theory examinations. After the sixth week, tenth week and fourteenth week of commencement of the semester, the first, second and third internal test will be conducted and the internal practical exam will be held in the fifteenth week of the semester as per the guidelines given by VTU. Information in this regard is mentioned in our academic calendar of events and is circulated to all the students through the department Heads before the commencement of the semester for</p>



students to plan well in advance. Four days after every internal test, faculty are advised to handover the evaluated answer scripts and the scheme will be discussed with the students in the class for clarity of thoughts, understanding evaluation of answer scripts and weightage given to different steps in the answer. This process help in maintaining the transparency in the evaluation by teacher and the students to prepare well for the semester end examination. Also the evaluation of CIE marks is based on different schemes as guided by VTU. For example, 2018-19 scheme, the theory internal marks is 40 in which, 30 marks is awarded for IA tests and 10 marks is awarded for assignments / seminars/ charts/ group activities/ MCQs/ Flipped class room activities/role plays etc.,. Under CBCS scheme, The total IA is calculated for best of three tests and for other schemes, best of two out of three tests is computed. In case if a student could not do well due to medical or any other valid reason and with prior permission from the HOD and the Principal, fourth internal will be given to compensate the loss. Similarly practical IA is computed with 30 marks for the regular conduction of practicals throughout the semester and 10 marks is awarded for the IA test. These IA marks are uploaded online in the VTU website at the end of the semester upon request after the last working day in that semester. VTU intern add this IA marks to the 60 marks each student scores in 100marks paper and declare the semester results.

#### Research and Development

Interdisciplinary research has been promoted within the institution and with industry collaboration for various research areas of National importance. Central as well as State Government funded research projects were undertaken to design and develop products related to health-care, energy and environment. A certain percentage of academic relaxation was given to Faculty members to support their research for the growth of institution as well as society. Research scholars were given on-duty leave which helped them to participate and present their research in National as well as

	International conferences related Science Technologies for the advancement of society
Library, ICT and Physical Infrastructure / Instrumentation	<p>A State-of-the-Art Learning Resource Centre (Central Library) with an approximate investment of Rs. 32.00 crores having excellent ICTs, LMS, eresources was established during the year 2018-19 to provide qualitative enhancement in teaching, learning and research and extension. New modes of information delivery and user focused services to obtain and evaluate scholarly information and knowledge available in main formats were developed. Access to information resources under VTU, INDEST, INFLIBNET, DELNET, HELINET, Shodha-Sindhu, Shodha-Ganga and other national consortia was provided in addition to many subscribed national and international databases. Also international network linkages were established to access learning resources of MIT, Stanford University, University of Illinois, Cambridge University, Oxford University, Tufts University, OCLC, Ohio, USA, National Medical Library, USA, National Agriculture Library, ODI, USA, IDS and other universities and organizations. Eresources of the Library are accessible 24x7 anywhere on campus network (Wi-Fi) and also off campus (remote access through EzProxy). To support research and publications process many new services were introduced to provide sustainable solutions to the Institute's existing and future research environments for the increased research productivity, visibility, dissemination, conservation and evaluation of scholarly output. The Maker spaces/Fab Labs have been established to support qualitative improvements to regain control of technology and design to create new ideas. Digital lending renting and reference Bibliotherapy the Reading Cure resource sharing, MOOCs, Academic Commons/Learning Commons, FedGate and other Resource Discovery Tools, are the new services introduced to enhance student learning and facilitate for better collaboration among students, faculty and Professional staff. Question point service "Ask a Librarian" is another unique online service introduced where online</p>

questions/queries and reference questions posted are responded within 24 hours to support excellence in Teaching and Learning KOHA (Single Instance - Multiple Libraries) software was adopted to provide much needed new facilities. IR - Digital Repository of Publications and Nontraditional Resources: Digital repository of the Scientific and Academic staff publications using DSpace software with web-interface for online download was created. Architecture portfolios, Designs, Paintings, Art and Artifacts, Models, Reports, Ph.D. Theses and Dissertations are also kept on IR. <http://13.232.72.61:8080/jspui/> IR linked to KOHA and accessible on OPAC / Online. Virtual Learning Resource Lab for e-Resources Use and Training: Seventy five (75) Apple Computers have been kept in Virtual Learning Resource Lab. Audio Visual Unit has 10 Apple Computers and Sony on-ear head phones to watch video lessons/lectures from NPTEL, VTU e-learning, SWAYAM Prabha, Khan Academy, MIT, Stanford and access provided for MOOCS, SWAYAM etc. Multi Operating Systems (Mac OS, Windows and Linux) use promoted. MATLAB, MASM, Turbo C and other software, recommended by AICTE installed for data analysis, design, architecture, animation etc. High-speed Internet bandwidth (1 GB) dedicated leased lines from BSNL and RailTel facility has helped to provide excellent support for curriculum enrichment and online courses access and to work with different software.

#### Human Resource Management

In the Acharya's journey towards creating sustainable high quality institution of management, governance, assurance to help its employees achieve greatness in the pursuit of its purpose", HR function being a key partner to the Governing Council implements variety of tools in the HR space that set the foundation for effective people management. HR at Acharya design, support and enable system, policies and programs to ensure that we have engaged and high quality talent, nurture and institutionalise continuous learning to support Acharya's growth aspirations. HR acts as a change agent in creating a modern, progressive people environment, where purpose-driven talent are attracted,

engaged, and motivated by consistent meritocratic HR framework and where high quality human capital capable of realizing AI's goals, are identified, engaged, and rewarded" The key activities of HR at Acharya comprise Hire the potential talent, develop,engage human resource in the right role, manage performance, reward the contribution and proactive employee service deliverables, defined Policies, Leave, work-life balance, welfare, promote self development, transparent and open communication.

#### Industry Interaction / Collaboration

Acharya, since its inception, has been a front runner when it comes to attracting brilliant minds from across the world and in collectively achieving common interests. Acharya has collaborated with several leading industries and universities from across the world in areas of Research, Faculty exchange, Student exchange, International Conferences, Workshops, Curriculum Design, and Development, Technical talks, Internship, Certification Programs, and Partnered incubation centers

#### Admission of Students

Target group of students have been approached and contact established through schools offering Grade 12. Aptitude test, career counseling sessions have been conducted and subject experts have held one to one session with students and parents. The same initiatives were conducted through online mode to assist parents and students who have expressed interest from outside India. Students with academic excellence, specifically in Math and Science were identified through the partner schools and have been offered scholarships to study at Acharya Institute of Technology. Students with co-curricular, sports excellence have also been given invitation to apply to study at AIT through scholarships.

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

E-governance area	Details
Planning and Development	YES
Administration	YES
Finance and Accounts	YES
Student Admission and Support	YES

Examination	NO
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### 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
2019	Prof. Shrimukhi G Shastri	Strength of Materials	NA	1000
2019	Prof. Vijay R B	Strength of Materials	NA	1000
2019	Prof. Pranesh K G	Structural Analysis of Nanomaterials	NA	1100
2019	Prof. Shadakshari R	Manufacturing of Composites	NA	1000
2019	Prof.Shilpa R.S	FDP-Advances in Mechatronics Systems conducted by BMSITcollege, bangalore	NA	1000
2019	Prof.Shilpa R.S	NPTEL course on Toyota Production System	NA	1000
2019	Prof.RAJU MG	NPTEL:Manufac turing of Composites	NA	1100
2019	Dr.Rajeswari	Aicte-UKEIRI- sponsored Technical Leadership Pgm, 3weeks of sponsored pgm and CMI level 5 certification	NA	300000
2019	Shilpa Shet S	TMSF conference Springer - 2019	NA	3000
2019	Dr Prashanth C M	Knowledge summit-2, Lyon , France	NA	75000
<a href="#">View File</a>				

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	Title of the administrative	From date	To Date	Number of participants	Number of participants
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	development programme organised for teaching staff	training programme organised for non-teaching staff			(Teaching staff)	(non-teaching staff)
2020	Full Stack Web application development	NA	20/01/2020	01/02/2020	18	1
2019	"Physical design and it's Verification" using Cadence tool	NA	22/07/2019	26/07/2019	24	1

[View File](#)

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
Full Stack Web Application Development	18	20/01/2020	02/02/2020	14
FDP on Cyber Security	1	09/12/2019	13/12/2019	5
Cyber security	1	05/12/2019	13/12/2019	9
Data Science with Python	1	28/01/2020	30/01/2020	3
Natural language Processing	1	30/05/2020	04/06/2020	5
Mathematical Perspectives on Computational Science Engineering	1	06/07/2020	10/07/2020	5
Data Analytics-A Practical Approach	1	27/01/2020	31/01/2020	5
Data Analytics-A Practical Approach	1	27/01/2020	31/01/2020	5
Mathematical Perspectives on	1	06/07/2020	10/07/2020	5

Computational Science Engineering				
Artificial Intelligence	1	14/07/2020	18/07/2020	5
<a href="#">View File</a>				

#### 6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
Nill	12	Nill	33

#### 6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<p>1. Maternity Paternity leaves for the eligible staff 2. Research Leaves for the staff pursuing Ph.D/Research/Consultancy 3. Registration, Dearness Allowance Travel allowance for attending conferences/workshops/talks/Summits 4. Registration fee reimbursement for staff to take up MOOC courses 5. Transportation facility at a nominal cost from all parts of Bengaluru 6. Staff get fee concession for their ward for studying in the institute 7. Administrative staff get earned leaves in addition to Casual and Sick leaves 8. All the staff get Casual and Sick leaves 9. Deputation of the faculty to take up the internships abroad (Leave, DA TA provided) 10. Leaves (Paid) for attending conferences, workshops and technical talks 11. Staff quarters for eligible and needy staff 12. One-hour permission for early leaving or late coming to the institute for all the faculty 13. ERP - Software for applying leaves, creating lesson plan, marking attendance,</p>	<p>1. Maternity Paternity leaves for the eligible staff 2. Research Leaves for the staff pursuing Ph.D/Research/Consultancy 3. Registration, Dearness Allowance Travel allowance for attending conferences/workshops/talks/Summits 4. Registration fee reimbursement for staff to take up MOOC courses 5. Transportation facility at a nominal cost from all parts of Bengaluru 6. Staff get fee concession for their ward for studying in the institute 7. Administrative staff get earned leaves in addition to Casual and Sick leaves 8. All the staff get Casual and Sick leaves 9. Deputation of the faculty to take up the internships abroad (Leave, DA TA provided) 10. Leaves (Paid) for attending conferences, workshops and technical talks 11. Staff quarters for eligible and needy staff 12. One-hour permission for early leaving or late coming to the institute for all the faculty 13. ERP - Software for applying leaves, creating lesson plan, marking attendance,</p>	<p>Student Welfare Accidental Group Insurance for students Clinical facility on campus Scholarship for poor and meritorious students: 48.71lakhs. Project Internship for Students to do projects in Industries Student Incentives and Awards Additional Library books are provided for Academic front runners Registrations TA/DA for participation in National Conf. and Competitions. Valedictorian award best outgoing student Best Project award for each programme.</p>

monitoring his/her attendance and punch in punch out time is available for all staff

14. Gratuity for all the staff completing five years of service

15. Provident Fund (PF) for all the staff.

16. Well equipped Gym is available in the college campus for all the staff.

17. A doctor and a counsellor (psychiatrist) are available in the campus

18. A well-ventilated, lush green canteen is available in the campus with adequate seating capacity

19. All the teaching staff are given WIFI access and a separate cabin with good ambience.

20. Washrooms are attached to all the staff rooms

21. Drinking water facility is available

22. Staff development programs are arranged on a regular basis to enhance their skills

23. All teaching staff are given one-month vacation leave every year

24. There is a "Grievance redressal cell" in the Campus for all the staff

25. "Anti-Sexual Harassment cell" is available in the Institute

26. Compensation leave for the staff is provided, if the staff works on a Government declared holiday.

27. Two ATM machines are available in the Campus to cater the banking needs of the staff.

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20. Washrooms are attached to all the staff rooms

21. Drinking water facility is available

22. Staff development programs are arranged on a regular basis to enhance their skills

23. All teaching staff are given one-month vacation leave every year

24. There is a "Grievance redressal cell" in the Campus for all the staff

25. "Anti-Sexual Harassment cell" is available in the Institute

26. Compensation leave for the staff is provided, if the staff works on a Government declared holiday.

27. Two ATM machines are available in the Campus to cater the banking needs of the staff

#### 6.4 – Financial Management and Resource Mobilization

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

The finance and accounts of the institute are audited regularly for every financial year. The institute has a mechanism for internal and external audit. The internal audit is up to date. External audit is done by statutory auditors. The last statutory audit was completed for the financial year 2019-20. The



auditor reports do not have any major objections requiring compliance. The steps involved are as follows: 1. Interim Action of dates for conducting statutory audit by auditor is communicated. 2. Books for account for auditing are prepared. 3. Audit report is generated. 4. Audit objections are duly compiled by accounts department 5. Financials concluded and same is submitted to management for approval.

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
AIT Management	950000	SAE REEV Competation for Hybrid Vehicle
<a href="#">View File</a>		

6.4.3 – Total corpus fund generated

0
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## 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	Nill	Yes	IQAC, AIT
Administrative	No	Nill	Yes	IQAC, AIT

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

1. We invite parents and explicate them how the induction program helps students to have a smooth transition to the Engineering course. Also demystify the parents how the proctor system helps them in monitoring their wards. 2. Every semester Parent - teacher - meeting is organized. The parents are also called by the proctors. The main reason to organize this meeting is to address the attendance and overall performance of the wards.

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

1. Certification Courses: Certification courses in areas of industrial importance have been introduced for the advantage of the staff. 2. Institute Innovation Cell: Innovative Project works of students at UG level have been applied in the IIC and the college has been awarded the 5-star status. 3. In-house faculty development program: All departments of the institute organised in-house faculty development program using the expertise of the faculty in the department. The FDPs are also kept open for participation from other departments. 4. Acharya Live (ALIVE): Acharya Institute of Technology has developed a LMS platform for conduction on online classes during COVID-19. 5. NBA Preparation: With respect to preparation of NBA, non-accredited departments have started working on preparation for NBA with attainment calculations. CO-PO attainment format has been developed for complete calculation of the attainment.

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

1. Certification Courses: Certification courses in areas of industrial importance have been introduced for the advantage of the students and faculty. 2. Institute Innovation Cell: Innovative Project works of students at UG level have been applied in the IIC and the college has been awarded the 5-star status. 3. In-house faculty development program: All departments of the

institute organised in-house faculty development program using the expertise of the faculty in the department. The FDPs are also kept open for participation from other departments. 4. Acharya Live (ALIVE): Acharya Institute of Technology has developed a LMS platform for conduction on online classes during COVID-19. 5. NBA Preparation: With respect to preparation of NBA, non-accredited departments have started working on preparation for NBA with attainment calculations. CO-PO attainment format has been developed for complete calculation of the attainment.

#### 6.5.5 – Internal Quality Assurance System Details

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

#### 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
2019	Awareness program for the students of first year about different facilities at Learning Resource Center (LRC) such as Books, Journals and other learning print and e-resources, facilities, rules and regulations regarding books borrowing and other serv	29/08/2019	29/08/2019	29/08/2019	594
2019	Awareness program on Student Scholarship Portal (A portal of Govt of Karnataka) to create awareness among eligible	23/11/2019	23/11/2019	23/11/2019	150

	students to online application of scholarship and e-attestation.				
Nill	One day workshop on awareness of CO PO attainment process (as per new format developed) to IQAC coordinators of all the programs	01/02/2020	01/02/2020	01/02/2020	50
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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
International Women's Day a talk on women empowerment by Dr Renu Rajani	11/03/2019	11/03/2019	71	Nill
Poster Presentation Competition on Empowered Women in India	19/03/2019	19/03/2019	26	13
Women's safety and Self- Defense Workshop"	23/03/2019	23/03/2019	120	Nill
Awareness talk on Cyber security in association with Cyber Peace Corps	14/09/2019	14/11/2019	45	150
Grooming and Confidence Development for Young Girls	22/10/2019	22/10/2019	80	Nill

under "Rexona Confidence Academy"				
"Awareness Talk on Women Safety"	02/12/2019	02/12/2019	30	40
One Day Training Program on Communication skills, Presentation skills, Professional Grooming, Negotiation skills, stress management	09/12/2019	09/12/2019	29	52
Quiz program with Theme "Great indian Women"	29/02/2020	01/03/2020	15	15
Debate and Poster Presentation Theme " Women in science"	29/02/2020	01/03/2020	15	15
International Womens Day a talk on women empowerment by Ms Ashwini Angadi	23/03/2019	24/03/2019	70	Nill
Panel Discussion Role of Women in Environmental Conservation Sub theme- Environment, Rural Development and Entrepreneurship	07/02/2020	07/02/2020	40	Nill

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
Power requirement met by renewable energy sources : ROOF TOP SOLAR PLANT Total power requirement : 1033100 KWH Renewable energy source : 150 KW Renewable energy generated and used : 81470 KWH Energy supplied to the grid : 540 KWH Total Lighting requirements : 3590 Percentage Lighting through LED bulbs : 1 Percentage Lighting through other sources : 99

7.1.3 – Differently abled (Divyangjan) friendliness

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

#### 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
2020	1	1	12/03/2020	1	Awareness session for COVID-19	Created awareness, also precautionary measures to be taken	90

[View File](#)

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

Title	Date of publication	Follow up(max 100 words)
Human Values and Professional Ethics	14/03/2019	The code of conduct handbook has been prepared and published in line with the norms and regulations of the regulating bodies. Acharya Institute of Technology reviews the handbook every year along with the policies and SOPs. The institute constantly keeps track of the notifications and amendments by the regulating authorities to update the content of the handbook.

#### 7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Awareness on Intellectual property rights and innovation	27/05/2020	27/05/2020	72
Quiz on Unity in diversity	30/04/2020	30/04/2020	400
Quiz and Debate on account on National Science day	05/03/2020	05/03/2020	50
Ethnic day	11/03/2020	11/03/2020	300
National Science Day	29/02/2020	29/02/2020	250
National Science Day	28/02/2020	28/02/2020	70
Talk on about language history on International mother language day	22/02/2020	22/02/2020	60
Republic day	26/01/2020	26/01/2020	250
Kannada Rajothsava-2019	01/11/2019	Nil	300
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#### 7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

The efforts are to maintain an eco friendly campus with following Practices

1. A qualified and experienced horticulturist team takes care of greenery.
2. 30 of the total open area is covered with around 200 different specimens of trees, 200 species of ornamental and medicinal herbs and shrubs. Bio pesticides are prepared and used for organic farming. Reclaimed water is used for gardening.
3. Biogas and sewage water treatment plants are installed in the campus. Agrochemical pesticides are prepared within the campus by vermi composting. Biogas units: Biogas plant is installed at hostel which generates cooking gas from the hostel wastes with a capacity of 3000 liters with a daily feed will be approximately 50 kg food waste from hostel mess. Sewage water treatment: The effluent from the campus is treated and the recycled water is used for gardening. The capacity of the present treatment plant is 3000 kiloliters per day.
4. The college has taken its share of social responsibility in reducing carbon emission through renewable energy resources like solar power generation and waste water treatment plant. Institute has set up a roof top solar plant of 150KW, to harness green and clean renewable energy of which 81470 KWH of energy is generated and 540 KWH of energy is generated to grid.
5. "Go Green" activities like Swachh Bharat, Ekta divas, Vanamahotsav, have been conducted in and around the campus.
6. Nature watch club organizes nature camps and other environmental related activities. However no formal audit is carried out.
7. Carbon Neutrality Planned parking is made available for vehicles, at the entrance of the campus. There is a total restriction on vehicular movement in the campus thus reducing carbon emission. Dried leaves and wastes are dumped in bio fertilizer compost pits.
8. Hazardous Waste Management The institute takes care of the chemicals or other waste materials which are hazardous in nature are being disposed off as EPA norms.
9. E- Waste Management The E- Waste is

collected and disposed off periodically by the systems department following the guide lines of the regulatory agencies. 10.Campus has set up medical plant garden consisting of different varieties of plants and herbs. 11.Basically Acharya campus has been integrated with modern architecture along with segregated dustbins placed at strategical locations to ensure clean and hygienic environment with an austere aesthetic look

## 7.2 – Best Practices

### 7.2.1 – Describe at least two institutional best practices

1. Title: SOCIAL SPACES IN LIBRARY FOR NEW GENERATION USERS a. Objectives: To provide the required space to on their desks and mobile gadgets, the 'Physical Space', the 'Third Space' in the libraries to access physical and digital resources, quality of services and staff, specific learning needs and other facilities are the prime concern in present changing scenario. b. The Context:- It is observed that there is a considerable decline in circulation of print materials, reduced use of reference services, falling gate counts in libraries and the New generation users want libraries, a place meant for group interaction/learning, hold meetings, study in groups, use mobiles/laptops/other learning devices, hold discussions over a cup of tea/coffee and a silent place for self study. Librarians are concerned now how physical libraries increasingly serve an important role as a 'social space', reflecting the changing nature of teaching/learning. Thus there is a need for a more "social" approach in academic libraries by expanding group study spaces and developing 'Information Commons' 'Makerspaces' 'Academic Commons' 'Knowledge Commons' 'Creative Commons' space for 'Ideators, Tinkerers and Makers' 'Collaborative Work Spaces' 'Learning Commons' etc. c. The Practice: To meet the changing needs of the users and learning attitudes the Learning Resource Centre considered introducing following four important spaces. Social space for Interaction and Knowledge exchange. Quiet space for contemplation. Makerspace for Innovation. Neutral and trusted space for use and a peaceful place for insightful work. After deliberations a few following unique best practices/facilities of Social Spaces have been introduced. Makerspaces, Information Commons, Study Carrel, Creative Commons, Collaborative Workspace to turn the knowledge into action. Group interaction space for social, creativity, brain storming, problem solving, idea generation etc. Internet, Wi-Fi, Power plugs points provided in study carrels, reading/study zones. Support material required for project work, classroom assignments, demos, presentations etc. Multiple User Spaces to explore, learn, and use tools, materials both physical and virtual to develop scientific temper and creativity. Discussion Rooms converted into Ideators, Tinkerers, Makers etc. Users allowed to carry personal Laptops, Cell phones, iPads, Kindle e-readers, Tabs and other gadgets inside the library. Coffee/Tea/Snacks Bar, Relax/Comfort/Casual Reading areas with Newspaper and Magazine zone, separated from main reading/study area to facilitate more social interaction. Library Users can relax, rejuvenate and use their cell phones in this area. 'Ask-the-Librarian - eQuestion Point Service' a complete e-reference management system for increased use of library resources, borrowing, visits to the Library by the users and greater participation in development. Virtual Learning Resource Lab for independent, interactive and self learning. Facilities for data analysis, software for RD, MOOCS, and Audio/Video lessons have been established. One hundred apple computers have been installed in Virtual Learning Resource Lab, a unique facility as a social space for group learning and independent/interactive learning. Reading Room tables and chairs are specially designed to break monotonousness of continuous sitting. Seating arrangements and Sound Masking in reading hall provide privacy for small group discussions/interactions and possible distractions. d. Evidence of Success: The Best Practice has largely contributed in attracting more demanding complex users and offering them new experiences, empathy, learning,



activity, contemplation, seriousness in reading/reference etc. The visitors count at the Gate has drastically increased and the Library has emerged as first stop contact point for information and one of the prime learning centers on campus. These new approaches and Best Practice adopted have resulted in receiving LibTech Award - 2019 for Best Technology Enabled Library and TCSiON EdTech Review - Best Use of Technology in Higher Education Award - 2019. e. Problems Encountered and Resources Required: While planning the new facilities following aspects were considered to ensure increased efficiency and greater impact. • Reasons for decreasing trend of less of library dependence/usage and identify issues by conducting a survey. • Introducing multipurpose facilities without losing core focus of information and knowledge provider/delivery.

Separate space for Internet Wi-Fi, power plug points and informal sitting facilities. • Attractive interior design, amenities, improved ambiance etc. New designs and congenial atmosphere to new breed of users who are impatient, creative, expressive and social. Providing social spaces and information in the format that the users community needs. 2. Title of the Practice: ALIVE virtual classroom, an effective and user friendly online learning environment is self-Designed by Academicians for Academia. Objectives of the Practice: From the onset of 2020 due to pandemic, online courses, live streaming classes and live events conducted around the world grew rapidly. Many existing meeting Software altered their existing webinar hosting platforms to suit the growing demand. However, this was never going to be a permanent solution for academics. Alive, on the other hand, was designed and developed along with hundreds of academicians to overcome the shortcomings of the regular live webinar platforms. The best feature of Alive is that the platform can be customized to suit needs. Alive - Virtual online classroom platform is 1. USER FRIENDLY: Use seamlessly across all platforms including Desktop, Laptop and other Mobile Devices. 2. BUILT FOR ACADEMIA: Tested positive for awesomeness with over 15,000 students and over 2000 staffs. 3. FLEXIBILITY: Customise the software to the needs of each individual in your organisation. The Context: Today there are several Software and virtual platforms that are used to deliver online classes. The truth is most of these Software are neither school nor colleges/university friendly and flexible to meet the needs of universitys/colleges. Alive is a Learning Management System (LMS) that can transform the future of learning in academic institutions. If you are looking to shift from or add to your traditional training methods to providing e-learning courses through a reliable Learning Management System (LMS), Alive could be the platform for you. The Practice: The Alive LMS has been reviewed by several faculty members as being more advanced and user friendly compared to the other online webinar platforms and e-learning services. This virtual classroom tool can also be used to conduct live webinars and in the current scenario used for social learning and meetings, Making Alive the best solution to the modern-day education problems. One of the key features of Alive is the ability to audit live classes. Auditing takes place across various levels. Alive can be used to give special privileges as required by the institution. The platform is designed to • Work on all operating systems seamlessly unlike most of the conventional webinar platforms. • Alive can be integrated with any existing ERP and attendance is taken in real-time making the learning experience more user friendly. • Designed for interactiveness rather than one way delivery • From teaching to assignments assessments on one platform • Clearly defined roles give appropriate access and control of the platform from students to the Chancellor / Principal. Evidence of Success: The Acharya Alive virtual classroom platform has enabled an easy transition during the time of CoViD as it has helped not just in setting up an online infrastructure for classes but also to effectively track the progress made by each individual. With Alive's LMS features you will also be able to share learning materials, conduct training programs, create courses and deliver, engage in social learning and do much more. The system has also passed a test run in one of India's largest universities with 15,000 students. Since



mid of 2020 we have conducted online courses, live streaming classes and live events on Alive platform successfully. e. Problems Encountered and Resources Required : To come up with relevant modules that would work seamlessly across all platforms for a campus of 15,000 was the first challenge. A team of experts were given the problem and were assigned to develop a method to make the entry/retrieval of data easy, with emphasis on conveying information relevant to each user. It also was important to ensure that access was given need based and hence division of privileges had to be made according to each department within the campus. The next problem was the potential risk of having a surge of users, this was dealt with upgrading to a to a more stable server. For students it was important to create an application as the number of mobile users are on the higher end.

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

<https://acharya.ac.in/assets/Internal%20Quality%20Assurance%20Cell/Acharya%20Institute%20of%20Technology/Internal%20Quality%20Assurance/IQAC/Best%20Practices/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

Acharya Institute of Technology(AIT), Bangalore are proud to be the choice of students from around the world. Today, we are Bangalore's Largest composite academic facility with students from different countries pursuing programs in Under Graduate, Graduate and Doctoral levels. This unique strength of Acharya Institute of Technology stems from the fact that we understand the nuances of providing successful curricular and extra-curricular experiences to students from diverse cultural backgrounds. With a clearly defined admission process and streamlined methodologies, complying with local University and Statutory regulations, a strict adherence to Quality Process, the whole experience of admittance and learning is made clear. The world-class facilities for learning, research, evaluation and residence only add to the over-all experience. While students from abroad find these favorable in choosing AIT, as their destination for academic pursuits, many Universities, Scholarship Agencies, Research Institutions and others have actively supported students from their countries to study at AIT. We, at AIT, firmly believe that every aspiration must be nurtured and in continuation of this thought we have constantly innovated newer value add short courses/programs to meet every discerning need of the very aware youth of today. AIT has successfully innovated, delivered programs and provided facilities that support success. AIT envisions itself as the Fountain Head, producing professionals to meet requirements across various fields. Practical learning goes hand in hand with theoretical knowledge, setting up Laboratories and research cells with many of the topnotch industries in relevant fields. And in achieving this we have a multi-pronged approach to enable to students of all walks of life to realize their aspirations. They are as follows

1. Language and Communication evaluation at Semester 1 for every student
2. Basic Concepts evaluation in the area of Maths and Physics
3. Aptitude evaluation
4. Based on the above inputs student mapping is done and they are provided relevant programmes to improve on their weak areas, and strong areas are further honed as per the curriculum designed for specific groups. Specific grouping is achieved based on the results of their initial evaluations
5. Language programmes are delivered through the Cambridge University UK - Language labs established on campus. Students go on to be certified with BEC (Business English Course) by the end of their communication programmes.
6. Domain skills are delivered based on the specialization chosen by the student. The curriculum is designed with our partner Industries/Corporates of

the relevant field. 7.Participating in events like SAE BAJA, Formula Bharath, Tiffan, SAE REEV which are fully sponsored by the institution. These events help students engage in applying theoretical expertise gained from the classroom and put to use in building physical devices. 8. The institute has collaborated with Universities in the US, UK, Germany, Australia, Italy, Indonesia to name a few. These partnerships help provide students an opportunity of hands on advanced learning. The students, during their vacations intern and learn through their involvement in research projects, cultural immersions, joint curricular activities with the Professors and student of these partner Universities.

Provide the weblink of the institution

<https://acharya.ac.in/acharya-institute-of-technology>

### 8.Future Plans of Actions for Next Academic Year

- To improve the semester wise results of all branches and to increase the number of rank holders from Visvesvaraya Technological University.
- To enhance the functionalities of ALIVE (online virtual class room platform) eLearning for user friendly access and usage both for teachers and students.
- To get more funded research Projects for AIT.
- To strengthen Institution Innovation cell to create start-up culture in the institution.
- To enhance the industry institute interaction in all the departments.
- To further enhance such interaction to establish MoUs to conduct activities for the benefit of the students to bridge the gap between academia and industry.
- To emphasise on our efforts to get more SME funding for innovative projects.
- To participate in innovation contests in larger numbers.
- To focus on quality research publications in all the departments.