



## Yearly Status Report - 2019-2020

### Part A

#### Data of the Institution

1. Name of the Institution	SRI VELLAPPALLY NATESAN COLLEGE OF ENGINEERING
Name of the head of the Institution	Dr. Manju J
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	0479-2331696
Mobile no.	9995449854
Registered Email	svnce@yahoo.in
Alternate Email	principal@mahagurutech.ac.in
Address	kattachira, pallickal p. o
City/Town	Kayamkulam
State/UT	Kerala
Pincode	690503

<b>2. Institutional Status</b>																			
Affiliated / Constituent			Affiliated																
Type of Institution			Co-education																
Location			Rural																
Financial Status			Self financed																
Name of the IQAC co-ordinator/Director			Mr. Prajeesh R																
Phone no/Alternate Phone no.			04792331696																
Mobile no.			9447305765																
Registered Email			svnce@yahoo.in																
Alternate Email			iqac@mahagurutech.ac.in																
<b>3. Website Address</b>																			
Web-link of the AQAR: (Previous Academic Year)			<a href="http://mahagurutech.ac.in/pdf/AQAR_2018-19.pdf">http://mahagurutech.ac.in/pdf/AQAR_2018-19.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="http://www.mahagurutech.ac.in/calender.php">http://www.mahagurutech.ac.in/calender.php</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>2.71</td> <td>2019</td> <td>28-Mar-2019</td> <td>27-Mar-2024</td> </tr> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	B+	2.71	2019	28-Mar-2019	27-Mar-2024
Cycle	Grade	CGPA	Year of Accrediation	Validity															
				Period From	Period To														
1	B+	2.71	2019	28-Mar-2019	27-Mar-2024														
<b>6. Date of Establishment of IQAC</b>			01-Feb-2017																
<b>7. Internal Quality Assurance System</b>																			
<table border="1"> <tr> <th colspan="3">Quality initiatives by IQAC during the year for promoting quality culture</th> </tr> <tr> <th>Item /Title of the quality initiative by IQAC</th> <th>Date &amp; Duration</th> <th>Number of participants/ beneficiaries</th> </tr> <tr> <td>Preparation of Academic</td> <td>02-Aug-2019</td> <td>10</td> </tr> </table>						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	Preparation of Academic	02-Aug-2019	10					
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																	
Preparation of Academic	02-Aug-2019	10																	

Calendar for the conduction of Seminars , Workshops and FDPs.	12	
Constitution of IPR Cell	22-Jul-2019 1	20
Conduction of Seminar on IPR	04-Sep-2019 1	90
Student Induction program for first year students	25-Jul-2019 7	110
Collection and Analysis of Student Feedback	29-Apr-2020 3	408
Collection and Analysis of Faculty Feedback	19-May-2020 2	277
<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
No Data Entered/Not Applicable!!!				
No Files Uploaded !!!				

<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>	
Institute got registered in YIP (young Innovators Program) under KDISC (Kerala Development and Innovation Strategic Council) for fostering innovations.	
Invited workshops/Seminars/internships were given to improve practical exposure.	

Academic audit of all the departments.

Initiated the effective use of NPTEL courses in the institute.

Continuous Interaction with Department coordinators for the collection and documentation of qualitative and quantitative data.

[View File](#)

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

Plan of Action	Achivements/Outcomes
Implement Feedback System.	Feedback collected and analysed
Adherence to curriculum and documentation of academic activities.	Implemented and audited.
Improve the technical skills of students.	Conducted workshops, seminar on latest technologies.
Developed plans to promote learning online courses apart from the regular curriculum.	180 students registered for NPTEL courses in this academic year.
Planned to improve the atmosphere suitable for innovations.	Registered in YIP under KDISC.
Developing the knowledge on IPR	Constituted an IPR cell in the campus and conducted its first seminar.
<a href="#">View File</a>	

**14. Whether AQAR was placed before statutory body ?**

Yes

Name of Statutory Body	Meeting Date
Academic Council	21-Apr-2021

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

No

**16. Whether institutional data submitted to AISHE:**

Yes

Year of Submission

2019

Date of Submission

26-Feb-2019

**17. Does the Institution have Management Information System ?**

Yes

If yes, give a brief description and a list of modules currently operational (maximum 500 words)

The Management Information System helps the collection and analysis of personal as well as academic data of the students. This system has helped both the faculty and the students to view, analyse and take required action on the complete academic performance of the student, thereby reducing the required manpower. Few of the available modules are explained below.

**Attendance Module:** This module enables the faculty to enter the student attendance for the hours handled. This section provides the average subject wise attendance for each student. The cumulative average attendance for each student can also be obtained. The attendance reports are generated every month and communication is sent to the parents if there is a shortage of attendance.

**Examination module:** This module enables the faculty to enter the test marks, assignment marks etc. The progress report after each test can also be generated using this module. The progress reports generated using these modules are also sent to the parents.

**Student Profile:** This module holds the personal and academic profile of all the students and Alumni. The respective students and concerned faculty can view his profile. The profile is created at the time of admission and it is accessible to the student, faculty, HOD and office.

**Faculty Profile:** This module holds the profile information of teaching, non teaching and administrative staff. The profile can be updated or viewed as per our requirement. The profile is created at the time of appointment. The profile can be viewed by the faculty, HOD and Office.

**Time Table Module:** The class time table can be loaded using the timetable module. The name of the subject, faculty handling the subject for each hour can be included in this module.

**Communication Module:** There is a SMS section through which we can send messages to the students, parents, faculty etc. The messages are absent to the parent in case of student absence. The SMS service is also used to inform parents about any academic or non academic matters. The SMS service is also used to communicate the faculty in case of emergency.

**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

SVNCE is affiliated to Kerala University as well as Kerala Technological University and meticulously follows the curriculum offered by the respective universities. • Curriculum, scheme and syllabus including course objectives, total credit, text books /reference books to be followed and the evaluation pattern are also provided by the universities. • With reference to the university schedule, academic calendars are published by the college. Before the semester commences, the subjects are allotted to the concerned faculty based on their specialization and experience. • Timetable in-charge prepares the timetable considering the workload of individual faculties under the guidance of Principal. • To ensure effective curriculum delivery, every faculty member must submit a syllabus teaching plan to the heads of the department at the beginning of each semester. • Detailed notes according to the syllabus will be prepared and will be monitored by the higher authorities. College library is very useful for faculties and students. • The teaching dairy contains a detailed plan of the lecture classes to be taken, attendance of the students, assignments to be given to the students, tests to be conducted, viva voce marks for laboratory courses etc. • Faculty maintain course file, which contain following information: Individual time table, syllabus, teaching plan, assignment/ tutorial questions, attendance, internal assessment marks and university question papers. • Teachers are permitted to attend Faculty Development Programs, which enrich subject knowledge • The faculty uses modern teaching aids such as LCD projectors, online resource etc. to conduct classes more effectively. • Evenly distributed regular assignments, good morning tests and internal examinations promote academic excellence to stakeholders Student feedback is obtained orally during the class committee meetings held periodically as well as through feedback forms each semester. The HODs periodically review the progress in the syllabus completion and also the performance of the students. • In addition, every semester KTU is conducting academic auditing, which includes the assessment of course delivery as per the curriculum and syllabus, delivery of the duties and responsibilities of faculty members and monitoring of the class, progress of courses, internal assessment, student welfare and grievances.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entreprene urship	Skill Development
Modern Construction Materials	NIL	23/01/2020	84	Employabil ity	Training on marketing, decision making, innovation and specific ation related to construction materials
	NIL	13/01/2020	84	Employabil	Skill

Programming in Java					ity	development in the field of IT
Soft Skill Development	NIL	14/01/2020	56		Employability	Skills development
Compiler Design	NIL	03/01/2020	84		Employability	Trained for basic translation mechanism, error detection recovery
Computer Architecture	NIL	06/01/2020	84		Employability	For describing the implementation, functionality of the computer systems
Data Base Management System	NIL	08/01/2020	56		Employability	Skill development
Electronic Systems for Cancer Diagnosis	NIL	08/01/2020	84		Employability	Trained for designing electronic systems for tissue-based cancer diagnosis.
IC Engines and Gas Turbines	NIL	13/01/2020	84		Employability	Training on electricity generation or transportation application using gas as working medium.
Inspection and Quality Control in Manufacturing	NIL	28/01/2020	28		Employability	Training on different types of inspections their control and rectification of errors during designing.
Introduction to internet of things	NIL	14/01/2020	84		Employability	Skills development

## 1.2 – Academic Flexibility

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

Programme/Course	Programme Specialization	Dates of Introduction
BTech	ME, MEP, CE, CSE, ECE, EEE	15/06/2019
<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
BTech	ME, MEP, CE	15/06/2019
BTech	ME, CE, ECE, EEE, CSE	10/01/2020

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

	Certificate	Diploma Course
Number of Students	44	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
PLC Ladder Programming Coding	11/07/2020	61
Advanced Techniques in Non Destructive Testing	11/05/2020	45
Novel Trends in Metallurgy and Materials science	14/10/2019	60
Electronic product development	25/05/2019	26
Innovation through Biomimicry	11/06/2019	56
<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
BTech	COMPUTER SCIENCE	42
BTech	CIVIL ENGINEERING	192
BTech	ELECTRONICS AND COMMUNICATION ENGINEERING	6
BTech	ELECTRICAL AND ELECTRONICS ENGINEERING	1
<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	No
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>There is a formal mechanism to obtain feedback on a regular basis. The feedback is obtained from the students and the remaining stakeholders and their views are considered to bring in the appropriate timely changes in the system. Effective Feedback encourages the Instructor, Improving Motivation and Stimulating increased effort. Both the tone of feedback and the context in which it is given have both been shown to be important for determining effectiveness. It helps learners to maximize their potential at different stages of training, raise their awareness of strengths and areas for improvement, and identify actions to be taken to improve performance. The feedback mechanism is an inclusive one that collects data on students' opinion on the institution, department and individual faculty Members. Faculty feedback from the students for the respective course is taken twice in a semester on various teaching/learning aspects and it is analyzed by the HODs and corrective measures if any are informed to the respective faculties for further improvements. Alumni Association meetings help to gain an insight into the employable skills of the respective courses. Regular departmental meetings are conducted to discuss and chalk out programmes based on the student's feedback, needed for the overall development. Evaluation of all college programmes with the respective stake-holders is conducted.</p>

## CRITERION II – TEACHING- LEARNING AND EVALUATION

### 2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
Mtech	ME (MACHINE DESIGN)	18	1	1
Mtech	ECE (SIGNAL PROCESSING)	9	Nil	Nil
Mtech	CE (STRUCTURAL ENGINEERING AND CONSTRUCTION MANAGEMENT)	18	7	6
BTech	MP	30	3	3
BTech	CSE	60	44	42
BTech	EEE	30	6	6
BTech	ECE	30	2	2
BTech	CE	120	23	20
BTech	ME	120	31	30

[View File](#)

### 2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	736	13	43	Nil	24

## 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
67	67	10	34	34	10
<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)

The institution has a well-structured mentoring system. The mentor is one resort for a student where one can seek knowledge, guidance and support at all times. The mentor bridges the communication gap between parents and teachers by regularly updating the parents about the student's progress and updates from the college. The system focuses on the need of the student. It establishes consistent communication with parent and helps closely monitor the growth of student. Mentor records the profile of all the assigned students with regards to their academic performance and participation in club activities and any other initiative. Students can contact their mentor for any academic or non-academic support. Appointments for meetings between mentor and mentee are usually arranged for a time and place suitable to both. A counsellor was appointed in the institution to give counselling for the students. In the initial stage the students were reluctant to come for counselling because most of them thought that only students who are not normal will go for counselling. The counsellor is asked to give counselling on Fridays. In counselling we deal with emotions, feelings and attitudes of the students and help the students to live in peace, freedom and harmony. Strong emotions like aggressive anger, extreme sadness and fear may cause problems in person's life especially in the family and society. In counselling we help the students to become aware and accept their emotions in a positive way and deal it with a constructive mode. Thereby we lead the students to control their emotions in a proper channel Ongoing process:

- Regular meetings are held between mentor and mentee.
- We are following a 15:1 ratio for the mentor: mentee system.
- An advisory file is maintained for each student.
- The report card has both personal and academic data.
- Students are allowed to approach the mentor for both academic personal problems.
- Personalized professional /career advice is given to the mentee.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
749	67	1:11

## 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
102	67	7	7	5

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,	Designation	Name of the award, fellowship, received from Government or recognized
---------------	---	-------------	---

	international level		bodies
Nill	NIL	Nill	NIL
No file uploaded.			

## 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
BTech	CE,ME,MP,EC,E E,CS	S1	05/12/2019	07/05/2020
BTech	CE,ME,MP,EC,E E,CS	S3	13/12/2019	28/03/2020
BTech	CE,ME,MP,EC,E E,CS	S5	09/12/2019	25/03/2020
BTech	CE,ME,MP,EC,E E,CS	S7	04/12/2019	09/04/2020
Mtech	CESC,MD,SP	S1	10/12/2019	20/03/2020
Mtech	CESC,MD,SP	S3	30/12/2019	20/03/2020
<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) system at the institutional level is done based on the following: Internal Examinations: Two internal series tests are conducted per semester. Two different sets of questions papers are prepared by two faculty members (subject handling faculty member and another faculty member) and submitted to the exam cell. The exam cell scrutinizes the questions and selects any one from the two just one day before the start of internal examination of the particular subject. The answer sheets of internal examination are valued by centralized valuation under the supervision of exam cell. The concerned department analyses the mark statement and the parents are intimated about the marks through the progress report. The parents of the failed students are called to meet the student advisor to discuss on the same. The absentees for the internal examinations are permitted to attend the remedial class and are allowed to write the retest. Retest is allowed only if the reason for absence is genuine. Lab sessions: The lab sessions are done in such a way to evaluate the student performance continuously. Academic Audit: The internal academic audit and university academic audit (only for KTU) is done twice in a semester to ensure that the evaluation of internal mark is done as per the above said conditions and university norms.

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

The academic calendar is published at the beginning of every academic year. The academic calendar highlights the dates of first working day, last working day, holidays, special events, internal examination question paper submissions by the faculty, internal examinations, assignment submissions by the students, publishing the mark report of internal examinations, submission of assignments etc. The academic calendar is distributed to the faculty and to the students in the beginning of every academic year. The academic calendar is also published in the institutional website. The continuous internal evaluation (CIE) is

conducted as per the schedule given in the academic calendar. Two internal series tests are conducted per semester. The date of submission of internal examination marks by the faculty and the date of publishing the mark report is also depicted in the academic calendar. Two assignments are given as per KTU curriculum. The dates of submission of assignments are clearly highlighted in the academic calendar and the dates are followed strictly. The labs are conducted as per the schedule. The final internal marks are published as per the date given in the academic calendar. The cumulative attendance is published once in every fifteen days from the beginning of the semester. The date to publish the attendance is also highlighted in the academic calendar. The final attendance is published at the end of the semester. The internal academic audit is conducted twice in a semester. The schedule of university academic audit is announced by the university.

## 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)

[http://mahagurutech.ac.in/co\\_po.php](http://mahagurutech.ac.in/co_po.php)

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
MP	BTech	MEP	9	9	100
CS	BTech	CSE	38	36	95
EE	BTech	EEE	18	18	100
EC	BTech	ECE	12	12	100
ME	BTech	ME	80	76	95
CE	BTech	CE	92	88	95.6
<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)

<http://mahagurutech.ac.in/survey.php>

## 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
Nill	0	NIL	0	0
No file uploaded.				

### 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
---------------------------	-------------------	------

Robotic Workshop	Electrical Electronics Engineering	14/02/2019
PLC Ladder Programming Coding	Mechanical Engineering	07/11/2019
Novel Trends in Metallurgy and Materials science	Mechanical Engineering	14/10/2019
Advanced Trends in Non Destructive Testing	Mechanical Engineering	05/11/2019
Innovation through Biomimicry	Mechanical Engineering	11/06/2019
Practical Application of MAT Lab	Electronics and Communication Engineering	30/10/2019
PCB Design and Fabrication	Electronics and Communication Engineering	29/08/2019
Electronic Product Design	Electronics and Communication Engineering	27/09/2019
Seminar on Cloud Computing	computer science engineering	08/08/2019
workshop on Building Design using RIVET Architecture,	Civil Engineering	03/09/2019
workshop on Introduction to IoT Robotics	Electrical Electronics Engineering	30/09/2019
workshop on Java Programming	computer science engineering	30/09/2019
workshop on Introduction to IoT	computer science engineering	18/10/2019
seminar on Intellectual Property Rights,	Electronics and Communication Engineering	04/09/2019

### 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
NIL	NIL	NIL	Nil	NIL
No file uploaded.				

### 3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
NIL	NIL	NIL	NIL	NIL	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
<b>NIL</b>	<b>Nil</b>

### 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)
<b>National</b>	<b>Civil Engineering</b>	<b>1</b>	<b>6</b>
<a href="#">View File</a>			

### 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
<b>NIL</b>	<b>Nil</b>
<b>No file uploaded.</b>	

### 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
<b>NIL</b>	<b>NIL</b>	<b>NIL</b>	<b>Nil</b>	<b>0</b>	<b>NIL</b>	<b>Nil</b>
<b>No file uploaded.</b>						

### 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
<b>NIL</b>	<b>NIL</b>	<b>NIL</b>	<b>Nil</b>	<b>Nil</b>	<b>Nil</b>	<b>NIL</b>
<b>No file uploaded.</b>						

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

Number of Faculty	International	National	State	Local
<b>Attended/Seminars/Workshops</b>	<b>1</b>	<b>11</b>	<b>4</b>	<b>2</b>
<a href="#">View File</a>				

## 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
<b>SCIENTIFIC PLASTIC WASTEMANAGEMENT (6Hr)</b>	<b>NSS</b>	<b>2</b>	<b>60</b>
<b>OSM TRACKING AND MAPPING (8Hr)</b>	<b>NSS</b>	<b>2</b>	<b>50</b>
<b>FOOD KIT</b>	<b>NSS</b>	<b>2</b>	<b>50</b>

DISTRIBUTION TO FLOOD HIT AREA OF NILAMBUR , MALAPPURAM(12Hr)			
BLOOD DONATION CAMP 2019(7Hr)	NSS	10	80
RAILWAY STATION CLEANING (6Hr)	NSS	1	20
OLDAGE HOME VISIT AND NSS DAY CELEBRATION(6Hr)	NSS	2	40
SNEEHAVEEDU PROJECT(42Hr)	NSS	3	90
GANDHI SMRITHI CYCLE RALLY 2019(5Hr)	NSS	1	15
<a href="#">View File</a>			

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
NIL	NIL	NIL	Nill
No file uploaded.			

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
SWACHH BHARAT ABAYAN at RAILWAY STATION	NSS	Cleaning Drive	1	50
<a href="#">View File</a>				

### 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
NIL	NIL	NIL	0
No file uploaded.			

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
Project	Project	SCC Ready	07/03/2020	04/05/2020	2

	work	Mix concrete, PVT / Maveleikkara			
Project	Project work	SD College Alappuzha	06/03/2020	03/05/2020	3
Project	Project work	Autokast Ltd	17/03/2020	21/03/2020	4
Project	Project work	Technopark Ekm	11/11/2019	15/02/2020	4
Internship	Training	Keltron	22/07/2019	26/07/2019	9
Project	Project work	NEST ABIDE	01/03/2020	28/04/2020	4
Project	Project work	CCRI , Kalavoor	02/03/2020	29/04/2020	1
Project	Project work	NEXUS CAD CENTRE	03/03/2020	30/04/2020	3
Project	Project work	NEST ABIDE	04/03/2020	01/05/2020	2
Project	Project work	CET	05/03/2020	02/05/2020	4
<a href="#">View File</a>					

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
NIL	Nil	NIL	Nil
No file uploaded.			

## 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
104.6	101.8

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Classrooms with Wi-Fi OR LAN	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Video Centre	Existing
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Existing





Total	405	217	217	2	1	10	20	20	0
-------	-----	-----	-----	---	---	----	----	----	---

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

20 MBPS/ GBPS
---------------

#### 4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Energy Management Auditing	<a href="https://youtu.be/oVSy4gc2_IQ">https://youtu.be/oVSy4gc2_IQ</a>
Energy Management Auditing	<a href="https://youtu.be/zEIjyyR8-Ps">https://youtu.be/zEIjyyR8-Ps</a>
Energy Management Auditing	<a href="https://youtu.be/vV29Jv1oUV4">https://youtu.be/vV29Jv1oUV4</a>
Energy Management Auditing	<a href="https://youtu.be/WaPkE0RbZdE">https://youtu.be/WaPkE0RbZdE</a>
Energy Management Auditing	<a href="https://youtu.be/HENXoISAtz4">https://youtu.be/HENXoISAtz4</a>
Energy Management Auditing	<a href="https://youtu.be/baKx3RsZfuY">https://youtu.be/baKx3RsZfuY</a>
Industrial instrumentation Automation	<a href="https://youtube.com/playlist?=PLWcpz-OrOs00AXoLPslxqiyjgW8ACA0ss">https://youtube.com/playlist?=PLWcpz-OrOs00AXoLPslxqiyjgW8ACA0ss</a>
Advanced control systems	<a href="https://youtu.be/CXkHi8KpOKM">https://youtu.be/CXkHi8KpOKM</a>
Digital Electronics Logic Design	<a href="https://youtu.be/f4l4oT5ToQM">https://youtu.be/f4l4oT5ToQM</a>
Design of Machine Elements 2	<a href="https://youtu.be.com/c/SumanlalMS">https://youtu.be.com/c/SumanlalMS</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
61	50	17.7	15

##### 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)

College has established systems and procedures for maintaining and utilizing the academic and support facilities .All the infrastructure facilities and inventory stocks once procured and installed in the college are maintained in stock register kept in each department. At the beginning of each semester all the facilities in the classrooms are inspected for maintenance. Stock rectification of library books, periodicals and reference books, re-binding of library books and binding of journals into Back volumes are done periodically. Laboratory maintenance is done at beginning of each semester in accordance with respective department lab criteria. Computers are always kept updated with the latest software to cater to the needs of the students. The computers and their accessories are maintained by technical staff in labs. Under the guidance of physical instructor proper maintenance is being done for the sports equipments including gymnasium. The college has a diesel generator of 125KVA to ensure uninterrupted power supply. Every computer system is connected to UPS for power supply and prevention of risk damage due to power failure .The services and maintenance of infrastructure facilities are managed by plumber, electrician, canteen manager and PRO for vehicles. College hires masons, carpenters and workshop technicians as per need. College is maintaining a house keeping division headed by a supervisor. Under the supervisor, last grade staffs are appointed for cleaning classrooms, lab, toilets, hostel compound etc. College

has employed staff for maintaining a beautiful garden in college campus. For improving the physical ambience of the campus, several initiatives are taken as per necessity like painting and white washing of building and labs, ground-men for maintaining grounds, lawns and upkeep of plants. A complaint register is being kept in the reception of the administrative block. All complaints and recommendations registered are being checked by the respective staff on a daily basis and the necessary steps are taken. Preventive maintenance checking and servicing is conducted periodically. They are verified by respective department heads. The college is maintaining Annual Maintenance Contracts with suppliers and companies for the repair and maintenance of some equipment. All buildings provided with firefighting equipment and first aid box. Thus all facilities are provided and measures are taken for the smooth functioning of the college.

**MAINTENANCE SCHEDULE (LIBRARY)** Daily 1. Dusting and cleaning of library furniture, books, mopping of floor etc 2. Stalk rectification of library books, periodicals and reference books Proofs 1. Cleaning registers (Centralized) 2. Orders issued by the librarian (Staff duties/responsibilities) Yearly 1. Re-binding of library books 2. Binding of journals into Back volumes Proofs 1. Binding registers Stock Verification 1. Yearly stock verification of Library books Proof 1. Stock verification orders, reports etc

[http://mahagurutech.ac.in/pdf/Procedures\\_and\\_policies.pdf](http://mahagurutech.ac.in/pdf/Procedures_and_policies.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	LIG	75	3750000
Financial Support from Other Sources			
a) National	AICTE	48	120000
b) International	NIL	Nil	0
<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
YOGA	26/07/2019	112	SVNCE
BRIDGE COURSE	26/07/2019	112	SVNCE
MENTORING	28/08/2019	112	SVNCE
PERSONAL COUNSELLING	02/07/2019	27	SVNCE
<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	PLACEMENT TRAINING	186	186	14	5
<a href="#">View File</a>					

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
12	9	2

## 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
Stroxx Technologies, AMERIGO STRUCTURAL ENG PVT LTD., Z-Crossing Solutions	136	14	TRANSCEND CAREER FEST, CTS, WIPRO, JARO EDUCATION, MU Sigma, Mitsogo, SPERIDIAN, LITMUS 7, PIVOT SYSTEMS, TESTVOX, UST Global, Marine Apps, CCS CORP, INFOSYS, TECHGENTSIA SOFTWARE PVT LTD, IPSR SOLUTIONS	466	7
<a href="#">View File</a>					

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	1	BTech	CE	CET	MTECH (Financial Engineering)
2019	5	BTech	CE	MAHAGURU INSTITUTE OF TECHNOLOGY	MTECH (Structural Engineering & Construction Management)
2019	1	BTech	CE		

				GEC,Thrissur	MTECH(Water Resources & Hydroinformatics)
2019	2	BTech	CE	RIET	MTECH (Geotechnical Engineering)
2019	1	BTech	ECE	IHRD CHENGANUR	MTECH
2019	1	BTech	ECE	TKM	MTECH
2019	1	BTech	ECE	CDAC	MTECH
2019	3	BTech	ECE	Amritha vishwa vidhyapeetham	MTECH
2019	1	BTech	CSE	MIDDLESEX UNIVERSITY,DUBAI	MSC COMPUTER SCIENCE
2019	1	BTech	CSE	SREE BUDDHA COLLEGE OF ENGINEERING,PATOOR	MTECH COMPUTER SCIENCE

[View File](#)

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

Items	Number of students selected/ qualifying
CAT	1

[View File](#)

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

Activity	Level	Number of Participants
FOOTBALL	COLLEGE LEVEL	12
BADMINTON	COLLEGE LEVEL	40
CRICKET	COLLEGE LEVEL	60

[View File](#)

### 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
Nill	NIL	Nill	Nill	Nill	NIL	NIL

No file uploaded.

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

Based on a democratic election process a student's council was formed. Student's Council is a body comprising of 21 students representing all the

classes with one student from each class. Student's Council Committee nominates the academic and administrative committee members. Administrative committee is again subdivided into Women Cell, cultural, technical and sports committee. Academic Committee is again sub divided into class committee, disciplinary and Industrial Visit committee. The first Students Council of the college was started on November 11, 2012. During this tenure, the council conducted various academic and extra-curricular programs and initiated student's welfare activities. Every year student's body organizes several activities to mark state level and national festivities to raise awareness on meaningful social issues and also participates in cultural fests and sports competitions across the country, proudly representing the college. Some of the events and activities are also organized by our students in the college itself. The cultural committee is in charge of all these activities. As part of the Gandhi Jayanthi celebrations, the students cleaned the premises of the college, road, KSRTC bus station .On Independence Day, the National flag is hoisted in the college premises and sweets are distributed to everyone. Festivals like Onam, Christmas, Eid, Holi are all celebrated by the students and staff of the college with equal spirit and enthusiasm every year. Teacher's performance is being evaluated based on the feedback from the class committee and their suggestions are looked in to. Based on the academic procedure every year IV is permitted based on the suggestions from IV Committee. While taking disciplinary action against students, suggestions from the disciplinary committee is also considered. Branch wise sports events such as football, cricket, badminton etc. are held every year in the guidance of the sports committee. Library, internet and other facilities required for smooth conduct of the class are evaluated on the basis of the feedback from the class committee. Our college has an effective board of studies to make improvement in the daily academic activity. The student's council always puts forward their suggestion to the board of studies for improving academic program.

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The alumni association of our college is named as SVNCE Alumni Association? (SVNCEAA). The alumni association is a registered one with registration number ALP/TC/611. The alumni association has always been an active participant towards the development of SVNCE. It has contributed to the development of our college in various ways. VISION: The vision is to serve as an entity that binds the alumni and the college in future endeavours and thus mutually benefitting each other. MISSION: The mission is to foster a spirit of union between the members of the alumni and the college that will act as resourceful means for collective efforts towards the development of the institution and the students. To establish a sound relationship between the alumni and the college that will procure support in attaining objectives and help in carrying the spirit and tradition of the institution.

5.4.2 – No. of enrolled Alumni:

340

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

40550

5.4.4 – Meetings/activities organized by Alumni Association :

6

#### CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

## 6.1 – Institutional Vision and Leadership

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

The Professional Management aims at implementing the concept of innovativeness in managing the academic and administrative matters. The Institutions always believe in the practices of decentralization and participative management. Practice of Decentralization is having own significance in the management. Right from the Chairman of the Management Committee to the staff and students, all the stakeholders have a role to play in building of the college. Their involvement and cooperation in devising and implementing decision making policies for academic and administrative affairs through various bodies and committees have contributed to the growth of the college. The Principal, Heads of the departments, teaching and non-teaching faculty along with student representatives together concentrate on fostering the progress of institution by sharing the responsibilities and participate growth of institution and to act according to the aims and objectives of the Institution. Principal Level: - Principal is the member of the governing body and chairperson of the IQAC. The Principal in consultation with the teachers of different committees for planning and implementation of different academics, student administration and related policies. All academic and operational policies are based on the unanimous decision of the governing body, the IQAC and the teachers of the college. The various committees have been constituted at the institute level are Internal Quality Assurance Cell (IQAC), NSS Committee, Innovation Extension Activities Committee, Website Development committee, Alumni Association, Students Grievance Redressal Committee, Educational Tours, Result Analysis, Students Seminar and project committee for the session 2019-20. Following committees are constituted in accordance to guidelines: Time Table Committee, Admission Committee, Research Monitoring Committee, Sexual Harassment Prevention Women's Grievance Redressal Committee, Anti-Ragging Committee. Faculty level: - Faculties maintains the healthy relationship with students, management and community. Placement and Training cell, Disciplinary Action committee, Girls Common Room, SC/ST student's welfare Committee, Class Room Mentors, Parent-Teacher Meet Committee, Examination (University College Level) Committee, are the different sub-committees which have been nominated by Principal. Students Level: - For the development of students, various cells and clubs are established at college level. Students are empowered to play an active role as a coordinator of co-curricular and extracurricular activities. Functioning of different roles and responsibilities at various clubs and committees for further reinforces decentralization those includes Cultural coordinator, Departmental association responsibilities, Anti ragging Committee members responsibilities. Outcome: The Management of the Institution conducts the regular meets and discuss the issue and challenge with developmental aspect of the institute. Thus, Management of the Institution encourages the teachers, students and non -teaching staff, alumni and co-ordinators to share their ideas, opinions and suggestions through the proper channel. The input received from various committees and feedback analysis are considered for the future decision making.

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
Library, ICT and Physical	The library has a good collection of



Infrastructure / Instrumentation

books which covered most of the technical and non-technical part. It has almost 15000 books and 11 computers for referring and research purposes. The library also provides a healthy and enthusiastic condition for students, which help them to utilise more time in reading and thus developing their knowledge. Library also has a good infrastructure.

Research and Development

Research is something that makes an institution more productive and valuable. For encouraging research activities for both faculties and students the college instituted a research cell, which support research studies and leads to publications as well as patent. The college also conducted meetings and interactions with eminent persons, workshops, Faculty Development Programs and training programs. Faculties are also encouraged to take PhD from KTU and other universities.

Examination and Evaluation

Three are two series test and one model exam has conducted in each semester for understanding students knowledge and practical ability to perform well. The class test has conducted periodically for improving their understandings in each subjects. The exam evaluation was done by the subject handling faculty and give a final report to the HoDs of corresponding department. After analysing the performance of each students, the latter get minimum marks will considered as slow learners. The faculties give extra classes to improve the performance of students. After each internal examination results and the performance are evaluated in class committee meetings and department meetings and necessary steps are initiated.

Teaching and Learning

The institution provides various levels of knowledge providing platforms to the students. NPTEL videos, lectures and notes are given through online platforms. The faculty uses modern teaching aids such as LCD projectors and various online resources to conduct the teaching process effectively. Evenly distributed assignments, GMTs and internal examinations improves the skill of students. The tutorial hours are conducted for each numerical



subjects. The students are initiated to participates in techical events conducted by the institution as well as other colleges and which enriches the students practical knowledge. A group advisor is arranged for every 15 students for close monitoring.

#### Curriculum Development

The academic calenders are published by the college according to University schedules and rules. The subjects are allotted to the concerned faculties based on their specialisation. Before the commencing of each semester the teaching plans are prepared for numerical, theory and lab. The course file is kept for each subjects and lab and which contains detailed lession plan, individual time table, syllabus, teaching plan, attendance, internal assessment, university question paper and class record of each period. Teachers and lab staffs are permitted to attend Faculty Development Programs, which enrich subject knowledge. The institution analyzes whether the stated objectives of curriculum were achieved in the course of implementation by evaluation procedures aligned with course objectives and collecting feedback. In every semester KTU is conducting academic auditing, which includes the assessment of course delivery as per the curriculum and syllabus and monitoring of the class, progress of course, internal assessment, student welfare and grievances.

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

E-governace area	Details
Planning and Development	The development plans and reports are generated online. The planning and development sections are partially computerized. E-governance is the integration of Information and Communication Technology in all the working processes of the system. It aims to minimize the manual efforts and improve the communication, create transparent system, cost and time effective. To facilitate the same college is using zentapps software with Student, Examination, Finance Account, Employee and Library Modules.
Administration	The administrative procedure is partially computerized currently. The plan is to convert the entire procedure

	online in the next two years. The college has Biometric attendance for teaching and non-teaching staff. The college campus is equipped with CCTV Cameras installed at various places of need.
Finance and Accounts	The Finance and accounts department is fully computerized.
Student Admission and Support	The college admits students through the common admission procedure of the Kerala Technological University. The entire process is done online. The scholarship and examinations are provided with proper support measures through online platforms.
Examination	The registration of students for university exams is done online. The results are likewise declared online.

### 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	Priya Grace Itti Eipe	International conference on functional materials	Management	5500
2019	Anup Vasavan	Design thinking by ICT	Management	500

[View File](#)

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

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	Motivati onal program	Motivati onal program	04/11/2019	04/11/2019	15	2
2019	Training program on Cryptograp hy and block chain	Training program on Cryptograp hy and block chain	12/11/2019	12/11/2019	15	3
2019	Motivati onal	Motivati onal	21/10/2019	21/10/2019	10	1

	program	program				
2019	Training program on PLC and ladder programming	Training program on PLC and ladder programming	02/03/2020	02/03/2020	11	3
2019	Motivational program	Motivational program	14/10/2019	14/10/2019	8	2
<a href="#">View File</a>						

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
FDP	2	12/12/2019	13/12/2019	2
Seminar	7	04/09/2019	04/09/2019	1
<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
7	Nil	1	Nil

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
OD for attending FDP, Conferences and examination duties, Gymnasium facilities, Transport facility, Subsidized canteen facilities	Provident fund, Transport facility, Subsidized canteen facilities	E- grants from Government of kerala sc/st department, College management LIG scheme, AICTE

## 6.4 – Financial Management and Resource Mobilization

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

Our institution has an effective mechanism for auditing the accounts. The accounts of the college are audited by chartered account regularly as per government norms. Whenever there are additional expenses over and above the budget proposals, special sanction is to be taken from the governing body. The accounting and auditing committee looks after the internal audit and it is presented to the certified chartered accountant. The last external audit was done in 2019 and the audit report was satisfactory
---

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
NIL	0	NIL
No file uploaded.		

## 6.4.3 – Total corpus fund generated

0

## 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	Yes	Thomas George	Yes	IQAC
Administrative	Yes	K.K.Padmanabha Pillai CO	Yes	College

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

Each department conducted Parent- Teacher- Student meetings after every termly / internal examination. This helps to understand the problems faced by the students that hinder them in studying. Departments hold regular meetings with Parents, to provide them feedback about the progress and shortfalls of their wards. Proficiency awards and Scholarships are given by the PTA which helps to generate a healthy competition among the students and inspire them to excel in studies. Financial support to necessary students is provided through PTA.

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

NIL

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

1. Regular meeting of Internal Quality Assurance Cell(IQAC) timely submission of Annual Quality Assurance Report (AQAR) to NAAC, feedback collected , analyzed and used for improvements. 2. Teachers may be encouraged to acquire higher qualification through research. 3. Feedback mechanism from students, academic peers, administration may be formalized.

## 6.5.5 – Internal Quality Assurance System Details

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

## 6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	Internal Academic Audit	11/10/2019	11/10/2019	12/10/2019	8
2019	Preparation of Academic Calendar for the conduction of Seminars , Workshops and FDPs.	02/08/2019	02/08/2019	31/08/2019	10

2019	Constitution of IPR Cell	22/07/2019	22/07/2019	22/07/2019	20
2019	Conduction of Seminar on IPR	04/09/2019	04/09/2019	04/09/2019	90
2019	Student Induction program for first year students.	25/07/2019	25/07/2019	31/07/2019	110
2019	Collection and Analysis of Student Feedback	29/04/2019	29/04/2019	02/05/2019	408
2020	Collection and Analysis of Faculty Feedback	19/05/2020	19/05/2020	20/05/2020	277

[View File](#)

## 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
Personality development program	25/07/2019	25/07/2019	100	50
Role of young engineers	26/07/2019	26/07/2019	100	50
Motivational speech	27/07/2019	27/07/2019	100	50

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
NIL

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	Nill
Provision for lift	Yes	Nill
Ramp/Rails	Yes	Nill
Rest Rooms	Yes	Nill
Scribes for examination	Yes	Nill
Braille Software/facilities	No	Nill

Special skill development for differently abled students	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
2019	1	1	26/01/2019	1	Suchitwa mission workshop-Scientific waste management	Waste management	50
2019	1	1	30/01/2019	1	Blood donation camp	Blood donation	90
2019	1	1	20/06/2019	1	International day against drug abuse and Illicit Trafficking	Drug abuse and Illicit Trafficking	100
2019	1	1	05/10/2019	1	Scientific plastic waste management	Waste management	62
2019	1	1	25/11/2019	7	Sneehav eedu project	project	93

[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)
College Brochure	01/06/2019	Rules and Regulation for Students. Anti-Ragging. Disciplinary Rules. The Principal as the head of the institution as well as the Heads of Department have the responsibility to implement and monitor the Code of Conduct

		<p>framed for the college students. The students have to attend classes on time, and only in case of dire emergency for personal or any external socio-political reasons time is extended by 5 minutes for entering the class. No students are allowed to sit on the staircase or use mobile phones. Mobile phones of students are confiscated if they are used during classes. The Principal as the head of the institution monitor the code of conduct of both the teaching and non-teaching staff.</p>
Life skills for engineers	01/07/2019	<p>Life skills are those competencies that provide the means for an individual to be resourceful and positive while taking on life's vicissitudes. Development of one's personality by being aware of the self, connecting with others, reflecting on the abstract and the concrete, leading and generating change, and staying rooted in time-tested values and principles is being aimed at. This course is designed to enhance the employability and maximize the potential of the students by introducing them to the principles that underlay personal and professional success, and help them acquire the skills needed to apply these principles in their lives and careers.</p>
Professional ethics	01/07/2019	<p>Professional ethics are principles that govern the behavior of a person or group in a business environment. Like values, professional ethics</p>

provide rules on how a person should act towards other people and institutions in such an environment. The things we help design, build, and maintain could result in a loss of life if we put profits, personal advancement, or anything else in front of people. Another important reason to have a code of ethics for professional engineers is it sets a standard for professional behaviour.

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

Activity	Duration From	Duration To	Number of participants
Awareness program on water	22/03/2019	22/03/2019	500
World environment day	05/06/2019	05/06/2019	100
Reading day	06/06/2019	06/06/2019	250
International day against drug abuse and Illicit Trafficking	20/06/2019	20/06/2019	100
Independence day	15/08/2019	15/08/2019	100
Gandhi smriti cycle rally	21/12/2019	21/12/2019	100
Republic day	26/01/2020	26/01/2020	100
<a href="#">View File</a>			

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

Students and Faculty members are being informed through circulars. Notifications and conducting awareness programs about the importance of energy conservation
Lights and fans are switched off when not required.
Classrooms are provided with large size windows so that natural light are sufficient instead of using tire electric lights.
Air conditioners are used only at essential places and that too if the situation warns badly.
The UPS Batteries are being maintained in good conditions which reduces the charging current of batteries

### 7.2 – Best Practices

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

1. Title of The Practices- Training And Placement . 2. Objectives: To provide right training for the placement of the person in right place at the right



time. Ensure our students will start the career and move forward in the right direction for better quality living. Providing ultimate satisfaction to our valuable students by offering the companies of their choice according to their eligibility. To provide career guidance through counselling and one to one interactions with Average and below average students. Enhance the skills of students for Industry ready employer. Improving our previous best achievement year on year. To educate our first year students regarding the interview process through coordination in placement drives. Instill professional behavioural skills which include respect for values, ethics, and beliefs and maintain confidentiality. To provide avenues open after graduation. ie. Higher education, placements or entrepreneurship and recruitment to students To provide recruitment to students. Have good relations with the recruiters. Managing Recruiters correspondence and feedbacks. To find, inform and manage Pool Placements drives and build the bridge between industry and academia. 3. The Context : We conduct training for the placement from the beginning of final year itself. Also we send students to other colleges whenever pool drives are conducted .It is very difficult to find out jobs in public and private sector as the competition is very high.(Number of vacancies are less and number of candidates are greater).Also the students will be able to utilize maximum opportunities when they are in the channel i.e., they won't lose touch with the subject which may happen later and they can grab multiple opportunities through campus placement. In the competitive forum to be the best destination for young career aspiring engineers, SVNCE is an institution that creates appropriate opportunities to its technical graduates, justifying their intrinsic talents. For this reason, it is essential that the college and its management have to endorse a great deal of time and excellence in selecting recruiters for the job aspirants of this campus. To accomplish this strategically, the Institution reaches out to almost an enormous number of recruiters seeking opportunities for its students to prosper without restricting itself to any geographical limitations. Our training wing gives wide spectrum of geographical reach to the students, conglomeration of remarkably skilled placement opportunities endowed with multitude of career choices, streamlining and fairness in the hiring process through various platform thereby, providing the right compensation to the deserving talent pool. Prominence is given to the legitimate and reputed recruiters for the campus hiring. 4. The Practice: The Placement Cell of Mahaguru Institute of Technology former (Sri Vellappally Natesan College of Engineering,) Kayamkulam, creates a platform where students can show case their talents which different companies seek to explore and utilize .Starting from 2013, we have successfully placed a large section of graduates who have appeared for placements. This year especially, the performance has been overwhelming. The vibrant members of the Training and Placement team train the students on the foundation course, soft skills, Life skills, motivational skills, communication skills, interpersonal Skills, leadership skills, group discussions, interview techniques, Aptitude, Reasoning, and Verbal and monitor them on the continual assessment model. They also cater other services such as mentoring, counselling, and assisting in internship, Industrial visit and campus recruitments. . Training The Candidates will be trained on the following skills: - Aptitude, Reasoning, Verbal/Nonverbal Aptitude (English), Communication skills, Technical IQ, C Programming, C, Data structures, Algorithm and Psychometric Analysis. Interest of each candidate is assessed with the help of Tutors and HODs. Assessment: Online Assessment is done with the help of External Agency, which helps us to reassure that the students are performing to the expected industry standards. A comprehensive assessment will be carried out on various parameters on a regular intervals, which helps us to identify the improvement and set backs of the students . Recruitment Use a hands-on, adaptive online assessment platform. Great participation with an outreach to 300 top employers across nation. Online quality driven testing mechanism gives access to the candidates to self- analyses their performance.

Moreover, each candidate will be notified with detailed report on their area of improvement to work upon through a National level assessment test. The customized assessment model obliges the students to clear most of the interview paper which is standardized as per the Company's hiring pattern. Multiple Interviewing Panel in the campus consisting of subject experts for the department and external agency form a versatile hiring platform.

**Problems Encountered And Resources Required:** Some Companies are focusing only on Metros and City colleges and they are not coming to remote colleges for campus selections. Corporates are depending on recruitment (placement) agencies for hiring fresh people. The expectations of some of these agencies are not feasible to colleges. Some of the recruitment agencies are resorting to unhealthy practices by taking money from the colleges and students. . The institutions should teach them to accept their mistakes instead of giving wrong answers and making a bad impression in the minds of the recruiters.

**1. Title Of The Practices 2 : Group Advisory System.**

**2. Objectives:** Group advisory system is followed for the overall development of the students in their academics, as well as their overall development. The basic principle behind this practice is to give individual attention to each student to help in their all round development and to make successful individuals from the institution. The advisor, the parent and the student form an interactive triangle which works towards the better performance of the student.

**3. The Context:** The advisors have taken up the challenge of motivating the students to bring about a change in their attitude. Problems of the students are identified by analysing their marks, attendance, class performance, behaviour and attitude, etc and suitable adjustments are made in the form of counselling, remedial classes, parent-teacher interaction, etc. Therefore, a co-coordinator is posted to monitor the functioning of the first year classes separately.

**4. The Practice:** Each group of around 20 students is allotted to a class advisor in the first year itself, so that each class has 3 advisors, with one of them given the overall responsibility as class co-coordinator. Besides these three advisors, the first year students also have a class teacher who takes classes in the first year subjects. The advisor also keeps track of the student by collecting feedback from other teachers, parents and classmates. The advisor publishes a monthly attendance report prepared with the details collected from the class register to keep a check on absentees. They consolidate the series exam marks and prepare the corresponding result-analysis to gauge the academic progress of students individually, class-wise and subject - wise. The advisor also consolidates the internal marks required for submission to the university. The advisor acts as a mentor and guide to their group of students. They provide counselling to the students who have problems in academics or other areas. Thus, there is a deep bond between the advisor and student. There are monthly advisory meetings between the advisor and group where the students are free to express their views regarding classes, teachers, college facilities, etc. The advisor gives solutions to problems, if any, when possible and refers them to higher authorities. A report of the meeting is given to the HOD and most problems are solved at the departmental level, if not, forwarded to higher authorities. The parent and advisors keep in touch with each other on a regular basis. The student, parent and advisor work together for the students academic progress and personal development. The feedback about members of faculty, courses, infrastructure etc. is collected from students at regular intervals. The students having difficulty in any subject are given remedial classes as and when required.

**5. Evidence of Success :** The result analysis and group advisory files in the department provide the evidence of success. Some students who went off track in the 4th semester were identified and corrected by their advisors, so that they improved their results in the 5th semester. These results indicate the successful functioning of the group advisory system. In 2019-20, 30 students improved in the next semester.

**6. Problems Encountered and Resources Required :** The main problem faced by us is that most of the students come from

poor and educationally backward families. They are first generation learners and there is lack of consciousness in the guardians of the majority of students.

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

[http://mahagurutech.ac.in/best\\_practices.php](http://mahagurutech.ac.in/best_practices.php)

### 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

Vision Mission of the Institute : Vision : The vision articulated for the College is to become and be perceived as the leading self-financing engineering college in the state and one of the prominent engineering institutions in our country. Mission : To provide a premier educational experience for our students and a world-class environment for our faculty that supports and prepares them for addressing the engineering challenges and opportunities that exist and await them in the 21st century. To ensure that all our students excel academically as well as prepare themselves for the future and to develop as many job creators as possible. Innovation And Entrepreneurship Development Centre: Objectives of IEDC SVNCE: 1. To create, inspire and empower a young generation of self reliant individuals. 2. To take them a step ahead for the development of the nation by developing an entrepreneurial and innovative mindset. Organizational Structure for IEDC: 1. Mr. Rahul Vamanan ( IEDC Nodal OFFICER,SVNCE) 2. Students . IEDC Activities : Seminar on "Success of Startup from Failure" . Date:30/09/2019 Venu: SeminarHall . The seminar was addressed by Dr. Manju, HOD, Electrical and Electronics Department. And a welcome speech was delivered by the CEO of IEDC Mahaguru Institute of Technology former(Sri Vellappally Natesan College of Engineering). The seminar was taken by the chief guest Mr.AmeerKhan, CEO of Zeekoi Technologies .The event feature d both the topics of entrepreneurship and Startup. "Success of startup from failure is the topic highlighted especially in these counterpart of seminar .Finally ,the vote of thanks was delivered by the Nodal Officer. 63 Students participated in the seminar. Internal Hackathon "navIkarana 2020" : Date:13/01/2020. Venu: Lecture Hall(018) . An internal Ideation program was conducted as part of Smart India Hackathon2020.The students can submit their idea through a Google form .Eight out of thirteen ideas were selected. The selected teams had presented their ideas in front of a panel of 3members.Out of which 2 ideas was granted with a fund of Rs5,000 . Workshop on Ideation: Date:22/02/2020 Venu: Seminar Hall . A one-day workshop on ideation was conducted at Mahaguru Institute of Technology former (Sri Vellappally Natesan College of Engineering) on 22/02/2020.The workshop was conducted for1st,2ndand3rdyears students by the Nodal officer and 2finalyear students. Workshop out come was to know about generating new ideas and concept to solve the problems. 23 students were attended for this workshop. YIP 2019 Ideathon Our two teams were selected for district level YIP 2019 ideation. (i) ZORA PHONES. It is an innovative device which would help the senior citizens to communicate with the external world ,when they are in any kind of distress or in need of emotional support. Artificial exoskeleton About artificial exoskeleton: Artificial exoskeleton is controlled by a powerful nano computer like raspberry Pi. This nano computer is coded using python it processes the information and sends that information to the required servos which will work as the information that it gets. Mark-1: Mark1 is an artificial exoskeleton which is controlled by a powerful nano computer .

Provide the weblink of the institution

[http://mahagurutech.ac.in/pdf/institutional\\_distinctiveness.pdf](http://mahagurutech.ac.in/pdf/institutional_distinctiveness.pdf)

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

Student performance : 1. Encourage students to actively engage with the industrial organizations during their internship. 2. Provide guidance and training for competitive examinations such as CAT, GATE, GMAT, TOEFL and GRE. 3. Provide training to equip students as an industry ready engineer. 4. Improve the average CGPA scored by the passed-out students. 5. Prepare a learning material repository as a reference material for students. 6. Encourage students to take part in technical programmes and competitions. 7. Encourage students to actively take part in preparation of college e-magazine. 8. To conduct more placements drives to provide job opportunities to the students. Faculty Development : 1. Encourage all faculty members to enrol for Ph. D programmes . 2. Conduct Faculty Development Programs for enhancing research interest. 3. Encourage faculty to try for funded projects. 4. Initiate various staff welfare programmes and knowledge enrichment programmes for faculty (FDP participation, FDP coordination, etc...) OBE (Outcome Based Evaluation) and Accreditation: 1. Audit of the course material generated to enhance the quality of delivery and sensitize the faculty to the requirements of OBE. 2. Established a procedure for the conduct of internal evaluation of students in conformity with the principles of OBE. 3. NBA accreditation activities monitoring