Part A	
Data of the Institution	
1. Name of the Institution	**VEL TECH RANGARAJAN DR. SAGUNTHALA R&D INSTITUTE OF SCIENCE AND TECHNOLOGY**
Name of the head of the Institution	**Prof. S. Salivahanan**
Designation	**Vice Chancellor**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**04426841348**
Mobile no.	**8754416291**
Registered Email	**diaq@veltech.edu.in**
Alternate Email	**vicechancellor@veltech.edu.in**
Address	**No. 42, Avadi - Vel Tech Road, Avadi**
City/Town	**Chennai**
State/UT	**Tamil Nadu**
Pincode	**600062**

2. Institutional Status

University	**Deemed**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**private**
Name of the IQAC co-ordinator/Director	**Dr. Valarmathi R S**
Phone no/Alternate Phone no.	**04426840881**
Mobile no.	**9940226524**
Registered Email	**diaq@veltech.edu.in**
Alternate Email	**headqa@veltech.edu.in**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://www.veltech.edu.in/wp-content/uploads/2019/12/AQAR-2018-19.pdf

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.veltech.edu.in/academics-wp uploads/ACADEMIC-CALENDAR-AY-2019-20.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**A**	**3.17**	**2015**	**16-Nov-2015**	**28-Aug-2021**

6. Date of Establishment of IQAC	**09-Sep-2013**

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

Interim feedback analysis for summer and winter semester	20-Aug-2019 7	6525
View File		

8. Provide the list of Special Status conferred 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
Institute	NIDHI Centre of Excellence	Department of Science and Technology	2017 1825	230000000
View File				

9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	2
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No

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

Prepared and submitted the Annual Quality Assurance Report (AQAR) for the Academic Year 201819.

Submitted the institutional data for the Academic Year 201920 in the All India Survey on Higher Education (AISHE) portal .

Atal Rankings of Institutions on Innovation Achievements (ARIIA) categorized the institution as 'Band A' in category of "University and Deemed to be University (Private-Self-Financed)

According to Times Higher Education (THE) Impact Rankings 2020 the institution has been ranked in the band 101 to 200 in SDG 6: Clean water and sanitation, Band 201 – 300 in SDG 9: Industry, Innovation and Infrastructure, 301 – 400 in SDG 10: Reduced Inequalities, 301 – 400 in SDG 17: Partnership for the goals & band 401 –

600 in the world in Overall category

Quality enhancement programs organized

[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
To Start new programmes in the institute	**New programmes were started in the Academic Year 201920 for the improvement of student's growth. The programmes were introduced by viewing the current industry focus. The programmes introduced are M.Tech. Automobile Engineering, M.A. English, M.Sc. Chemistry, M.Sc. Data Analytics, M.Sc. Mathematics, M.Sc. Physics**
[View File](#)	

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

Name of Statutory Body	Meeting Date
Board of Management	**12-Jun-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	**2020**

Date of Submission	**06-Feb-2020**

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

If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	**MIS is indigenously developed inhouse software which has the modules for Students Admission enrollment, fee payment, hostel booking, learning management system which facilitates (i) Course Management and Enrollments, (ii) Course Delivery (Online, Classroom, Blended Learning), (iii) Communications**

(StudentStudent, StudentTeacher), (iv) Attendance Management, (v) Mentor Management, (vi) Feedback, Survey and Questionnaire support, (vii) Role based access and dashboard features semester registration, etc. Examination module consists of students' eligibility, internal mark calculation, Hall ticket printing, semester mark sheet, provisional certificate, degree certificate etc. Stakeholders' feedback module helps to collect and analysis the feedback from students, faculty, employer, staff, alumni etc.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BTech	UEAE	AERONAUTICAL ENGINEERING	01/07/2019
View File			

1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
Mtech	Automobile Engineering	01/07/2019	2161AU118 – Automotive Mechatronics	01/07/2019
View File				

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
Mtech	AUTOMOBILE ENGINEERING	01/07/2019
View File		

1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the University level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
Mtech	Automobile Engineering	01/07/2019

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
INTRODUCTION TO IoT	01/07/2019	37

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 & Engineering**	**376**

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
• To provide meaningful, timely feedback and recognition to faculty regarding how they are performing work related to the curriculum, teaching and learning, assessment, and other practices affecting students. • Analyse of the summary of feedback of course handling faculty on courses syllabi. • Consolidated feedback summary of individual course handling faculty on course syllabus. • Feedback collected from at least 80 of the students and analyzed, and corrective measures are taken. • The development of any organization, especially at University, depends upon a well-functioning feedback system. Alumni feedback being collected from Alumni, who is one among the stake holder of the Institution.

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
BTech	**Computer Science & Engineering**	**960**	**10575**	**960**

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	**8375**	**347**	**614**	**72**	**686**

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	Numberof smart classrooms	E-resources and techniques used
686	686	5	219	28	5

No file uploaded.
No file uploaded.

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

During their period of study students often need mentoring. This system will immensely contribute in improvement of the overall academic quality. The students will be greatly benefited by mentoring. Students mentoring system: 1. It is a grow model and a good way to structure a meeting with mentee. 2. It ensures the independence of mentoring interactions and has a positive impact of final report. 3. Mentor who is able to show the path not only give guidance always stand before his/her as an exemplary teacher. 4. This system improves student's performance develop their leadership qualities and partnership skills. 5. It provides win-win situation for both.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
8722	686	1:13

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
723	686	37	176	326

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Dr. V. SUNDARAPANDIAN	Professor	Top Cited Paper Award from Central Government

View File

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	UEEC	Winter-2020	18/06/2020	02/07/2020

View File

2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in

the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
112	16990	0.66

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://www.veltech.edu.in/vel-tech-academic/

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
UEME	BTech	Mechanical Engineering	192	190	98.96

View File

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://www.veltech.edu.in/wp-content/uploads/2020/06/aqar/sss.pdf

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
National	Dr. Logeswari	Infuence of Industrial by products as additives on permeability of stand	01/08/2019	TNSCST

View File

3.1.2 – Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other fellows in the Institution enrolled during the year

Name of Research fellowship	Duration of the fellowship	Funding Agency
V.Tamilselavan	180	Navel Science and Technology Lab (NSTL)

View File

3.2 – Resource Mobilization for Research

3.2.1 – 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

| Interdisciplinary Projects | 730 | Indian Space Research Organisation (ISRO) | 23.01 | 14.97 |

View File

3.3 – Innovation Ecosystem

3.3.1 – 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
Workshop on START-UPS AND INVESTORS SUMMIT -SAI (Road to Sustenance and Scaling up Start-ups)	Office of Industry Relations	08/04/2019

View File

3.3.2 – 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
Ranked FIFTH under the category of provate or self financed institutions in Atal Ranking of Institutions on Innovation Achievements 2019	Vel Tech Rangarajan Dr. Sagunthala RD Institute of Science and Technology	Ministry of Human Resource Development, Government of India	08/04/2019	Institution

View File

3.3.3 – 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
Vel Tech Technology Incubator	Vel Tech Technology Incubator	Sponsored and supported by Department of Science and Technology, GOI	HARITHA TECH LOGIX MSME PROPRIETORSHIP	New Product Development, Training and Consultancy Services for Automotive Technology Field. Technical Consultation for Automotive Testing and Certification.	02/04/2019

View File

3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Aeronautical Engineering	1
Computer Science and Engineering	11
Electronics and Communication Engineering	4
Electrical and Electronics Engineering	2
Mechanical Engineering	8
Business Administration	1
English	1
Chemistry	1
Mathematics	4

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Electrical and Electronics Engineering	69	Nill

View File

3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Civil Engineering	16

View File

3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
A Passive energy dissipation device to improve gloabal stiffness of RC Framed building	Published	201941006643	01/07/2019

View File

3.4.5 – 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
Aerodynamic interaction studies on amphibious vehicle in	Vikram P., Balasubramanian E., Manova M., Surendar	International Journal of Automotive and Mechanical	2019	1	Centre for Autonomous System Research, Vel Tech	1

forward and hovering flight	G.	Engineering			Rangarajan Dr Sagunthala R and D Institute of Science and Techno logy, Chennai, Tamilnadu, 600062, India	

<div align="center">

[View File](#)

</div>

3.4.6 – 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
Aerodynamic interaction studies on amphibious vehicle in forward and hovering flight	Vikram, P., Balasubramanian, E., Manova, M., Surendar, G.	International Journal of Automotive and Mechanical Engineering	2019	Nill	1	Centre for Autonomous System Research, Vel Tech Rangarajan Dr Sagunthala R and D Institute of Science and Techno logy, Chennai, Tamilnadu, 600062, India

<div align="center">

[View File](#)

</div>

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	98	216	348	124
Presented papers	57	22	12	Nill
Resource persons	5	24	21	34

<div align="center">

No file uploaded.

</div>

3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)

Aeronautical Engineering	Aviation generator Prototype testing in High speed test facility	M/s. GE India Industrial Pvt. Ltd. GEIIPL, 122 EPIP Phase 2, Hoodi Village, Whitefield Road, EPIP, Bangalore.	4346936

View File

3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
Dr. S. Jaichandar	Skill Development training on Manufacturing quality, Improvement, safety practices for Wabco Trainees	WABCO INDIA LIMITED, Mr. Raju HR, Wabco Foundation, 3rd Main Road, Ambattur Industrial Estate, chennai- 600 058, raju.p@wabco-auto.com, 044 4224 2000	10260	45
Dr. S. Padmanabhan	2 Days PIP on Fuel Cell Technology	M/s. ARAI, Dr. Vora. Survey No. 102, Vetal Hill, Off Paud Road, Kothrud, Pune - 411 038 P.B. No. 832, Pune - 411 004 020-3023-1104 vora.pga@araiindia.com	3600	12

No file uploaded.

3.6 – Extension Activities

3.6.1 – 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 Certificate Examination	1(TN) GIRLS BN NCC	1	24

View File

3.6.2 – 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
Entrepreneurship	Excellence in	DigitalLEARNING	75

Development	Entrepreneurship Development			
[View File](#)				

3.6.3 – 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 activites	Number of students participated in such activites
Swachh Bharat Mission	NCC	Beach Cleaning Drive	1	35
[View File](#)				

3.7 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Student Exchange (Outgoing)	Mr. Vishal Chauhan	Chung Cheng University, Taiwan	60
[View File](#)			

3.7.2 – 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	COST BASED OPTIMIZATION OF SERVICE COMPOSITIONS USING DOTNET	APPSTEK INFORMATION SERVICES PVT LTD, HYDERABAD	02/12/2019	30/05/2020	GOOTY AMAR NATH REDDY
[View File](#)					

3.7.3 – 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
Institut National des Sciences Appliquées Centre Val de Loire, France	04/01/2020	Implementation of join research and/or teaching programmes Exchanges of staff exchanges of students and interns joint thesis supervision organization of seminars, conferences and scientific meetings	4

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
6337.52	2386.45

4.1.2 – Details of augmentation in infrastructure facilities during the year

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

No file uploaded.

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
Auto Lib Software systems	Fully	NA	2017

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	94893	32220898	498	523495	95391	32744393

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. N. M. Masoodhu Banu	Ultrasonic Imaging System	Institutional LMS	15/10/2019

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwith (MBPS/ GBPS)	Others
Existing	2969	2439	2392	0	148	175	504	3000	33
Added	3	0	0	0	0	3	0	0	0
Total	2972	2439	2392	0	148	178	504	3000	33

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

3000 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
Open source E-Content development tools (OBS)	https://www.veltech.edu.in/media-technology-and-communication/

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 incurredon maintenance of physical facilites
2547.88	1518.38	6207.23	6322.15

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)

Laboratory- Record of maintenance is maintained by the lab technicians of concerned laboratories and supervised by the Faculty incharges and Head of the Department. Other measures to maintenance and utilization of laboratories are as follows: • The calibration, repairing and periodical maintenance of sophisticated lab equipments like Thermox Boiler, Turbines, etc., are doing by the technicians of related enterprises through Annual Maintenance Contract. • Maintenance related to computers, Overhead Projectors, Intranet and Internet connections are taking care by Computer Maintenance Cell (CMC). • Infrastructural maintenance such as cleanliness, lighting and ventilation of laboratories and classrooms are taking care by the general maintenance department. • Apart from regular utilization, the students are doing their project works at the laboratories. • Four departments namely Mechanical Engineering, Automobile Engineering, Aeronautical Engineering and Civil Engineering are sharing the advanced equipment like Digital Universal Testing Machine, Abrasive Jet Cutting Machine, CNC machining Center, etc.

https://www.veltech.edu.in/by_law_2014-05_09_2014/

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	Founders Foreign	7501	641657172

from institution	Scholarship, Mahatma Gandhi Scholarship		
Financial Support from Other Sources			
a) National	Various Nation level schemes	135	240000
b)International	Various International Schemes	45	25369148
View File			

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
Soft Skill Training	09/08/2019	140	Mr.R .Venkateswaran, Chairman of ICSI, Coimbatore
View File			

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 passedin the comp. exam	Number of studentsp placed
2020	Career Advancement Training	227	120	45	728
No file uploaded.					

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
Nill	Nill	Nill

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
CAPGEMINI	519	155	ATOS SYNTEL	40	16
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	Depratment graduated from	Name of institution joined	Name of programme admitted to
2020	3	B.Tech. - Electronics and Communication Engineering	Electronics and Communication Engineering	National Chin-Yi University, Taiwan	M.S. in Electronics and Communication Engineering

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
GATE	1
CAT	2
GRE	2
TOFEL	6
Civil Services	2
Any Other	32

View File

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

Activity	Level	Number of Participants
Mini Marathon	State	200

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
2020	WINNER	International	1	Nill	Nill	M.DIVYA

View File

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

   The institution provides an exceptional opportunity to the students from different schools of the institute with their representation in various aspects of decision making, academic and administrative committees. This empowers the leadership skills, nurtures the life of students in all its fullness, sets it on the path of excellence and brings a better academic environment. The institution believes that progress can be made with the collective involvement of students, faculty, staff and management. The student representative body comprises mainly a student coordinator and two assistant student coordinators from both the genders. These coordinators are elected by the two class representatives of each class for an academic year. The main student coordinator and assistant student coordinators will be a part of the institute association's core and disciplinary committee on behalf of the students from

the institute. The Anti-ragging Central Committee is another institutional body with student coordinators who establish measures for prohibiting, preventing and banning raging menace on and off campus in accordance with AICTE and UGC regulations, Supreme Court directives and State act. The suggestions of student coordinators are highly valued with regard to policy making for student activities. The institution has established SPARSH committee to combat all forms of discrimination against girl students and to take proactive steps towards gender sensitization and abolishment of sexual harassment. The Student Amenities and Hostel Committee – The student representatives with nominated faculty members visit canteen and hostel to monitor the quality and hygiene and collect feedback from the peers. The Literary and Creative (LC) Committee – Student clubs like Literary club, Music club, Creative arts club, Dramatics club, Photography short film shooting club and Classical dance club are involved in this committee for conducting cultural activities. The National Cadet Corps (NCC) with students is encouraged in the institute to develop the leadership, character, comradeship, spirit of sportsmanship and the ideal of service among the students. The National Service Scheme (NSS) is also emboldened in the institute enabling the student to participate in social service activities like organizing blood donation, rural health sanitation, adult education, and environmental awareness camps in the neighboring areas as a social responsibility. The Unnat Bharat Abhiyan (UBA) student committee engages faculties, students, NSS and other bodies of the institution in community activities such as adopting a number of villages in consultation with the District Collectors for the development activities for improving the social and economic well-being of the rural communities. The institution has Swachh Bharat Abhiyan Committee which with the help of students and staff members participate in the Cleanliness Drive regularly in and around college campus, and also involve in special cleanliness drive in selected villages. Student committees are allowed to involve and organize Technical fest, Cultural fest and National Level Sports fest. Student members of all professional and technical societies and student clubs actively take part in hosting their respective events.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Vel Tech Alumni Association is registered under Tamil Nadu Registration of Societies with below Executive Committee Members Executive Committee Members President – Prof. V. S. S. Kumar Vice President – Dr. V. S. Hemakumar Secretary – Dr. E. Kannan Joint Secretary – Mrs. Kavitha Treasurer – Mrs. Kasthuri. D Alumni Members Mrs. P. Sasikala Mr. Vinoth R Ms. Pravallika Y V Ms. Shilpa Mr. Pethu Krishnan Mr. Ashish Kumar Mr. Balaji Mr. J. Jayanth Kumar Mr. Ashok Nesakumar

5.4.2 – No. of registered Alumni:

13042

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

160600

5.4.4 – Meetings/activities organized by Alumni Association :

1) Annual Alumni meet @ Vel Tech Deemed University Campus – 26th JAN 2019 2) International Alumni Meet @ France, Paris - 30th MARCH 2019 3) International Alumni Meet @ Berlin, Germany – 7th APRIL 2019 4) International Alumni Meet @ Frankfurt, Germany - 6th APRIL 2019 5) Quin decennial Celebration of 2004 - 22nd JUNE 2019 6) Decennial Celebration of 2009 - 27th JULY 2019 7) National

Alumni meet - Bangalore Chapter - 14th SEP 2019 8) National Alumni meet - Delhi Chapter - 23rd NOV 2019 9) National Alumni meet - Pune Chapter - 7th DEC 2019 10) International Alumni meet – Tainan, Taiwan - 8th DEC 2019 11) International Alumni meet – Hsinchu, Taiwan - 11th DEC 2019 12) 47th Alumni Meet @ Vel Tech Deemed University Campus – 25th JAN 2020 13) Quindecennial Celebration of 2005 @ UNITED STATES - 1st FEB 2020 14) Virtual Alumni Meet - Class of 2013 -15th AUG 2020 15) Virtual Alumni Meet - Class of 2013 -16th AUG 2020 16) Fresher's Orientation Program – 1st OCT 2020 to 10th OCT 2020 17) Decennial Celebration (Virtual Alumni Meet) – Class of 2010 – 19th DEC 2020

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)

1 Annual budget preparation 2 Design of curriculum and syllabus

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Admission of Students	o Admissions of students are done once in a year on the basis of All India Common Engineering Entrance Examination conducted by the Institution Deemed to be University. o The Entrance test is conducted both by Paper Pencil Test (PPT) Computer Based Test (CBT). o Reservation Policy for SC/ST/OBC and Physically Challenged candidates will be applicable as per the rules of Government of India for the time being.
Industry Interaction / Collaboration	o Industry Relations division inked MoUs with more than 500 industries, research organisation/laboratories/associations including those in abroad and healthy interactions with above 2000 industries. o 100 of the students undergo In-Plant Training, o 80 of UG Students doing their Project work/ Internships at Industries, o about 470 (150 minima per year) expect lectures as a part of the credit course were delivered by industry persons o 10 PG Programme 1 UG programme in Collaboration with Industries, o 5 Centre of Excellence with the Support of Industries/ Research Institute, o Joint Research Consultancy projects with Industries in India Foreign Country (Korea, France, Canada etc), o Developing Ebike with Novelty in Motor

	technology in Collaboration with the Industry from France ensure the strong Industry-Academia relationship of the institution Deemed to be University.
Human Resource Management	? The Human Resource Management policies of the institution are in compliance with UGC regulations and State Government guidelines. ? The appointment and promotions are made in transparent manner and as per defined and notified criterion. ? The organizational hierarchy of the University is well defined in which the job profile and job description in each and every office is clear to all stakeholders. ? The faculty is provided with opportunities to organize and attend seminars and conferences at national and international level. ? Grant is provided to fund the travel partially. ? Faculty Development Programmes are organized to equip the teachers with latest academic and research tools.
Library, ICT and Physical Infrastructure / Instrumentation	? Digital Library, OCR Technology and Services, Reprography Services
Research and Development	? The University has well established Research Park comprising various Industries supported Labs Centers. ? Separate Lab Space with all the decisive infrastructures and amenities are being afforded to all the sponsored Projects and dynamic Researchers. ? The University bequeaths the basic infrastructure for starting the research ? Provision for seed money for starting research before submission to the funding agency. ? The University supports with the funds for the sanctioned projects, even if any detain is there to receive fund from funding agency. ? The University endows complete support for the smooth running of the project, even if the subsequent release of the funds (2rd and 3rd installments) gets delayed. ? The Principal investigator has the autonomy for the utilization of the Funds received from Funding Agencies. ? The University also props in terms of additional funding for expanding the infrastructure that are obligatory for the project. ? Procurement of instruments and necessary consumables, as spotted in the project are given preferences and are facilitated by the purchase committee of the university. ?

	The Director (RD) office helps the Principal Investigator for preparing the balance sheet and for auditing the finance statement by an external auditor. The office also makes the utilization certificate to be made available on time for submission to the funding authorities, normally made along with the project progress report. ? Various efficacious Research forums are launched under the mentorship of faculty and external experts for motivating the research mores among the Students.
Examination and Evaluation	1. Description 1.1 Continuous Evaluation (CE) shall be conducted by the course handling faculty/course coordinator all through the semester it includes unit tests, midterm tests, assignments, projects and other means covering the entire syllabus/all the course outcomes. 1.2 Semester End Examination (SE) shall be conducted by the Controller of Examinations at the end of a semester, as per the academic calendar and it includes a written examination for theory courses, and practical examination and viva voce for laboratory/project courses. 1.3 Scheme of Continuous Evaluation (i) For all the theory courses, the continuous evaluation shall be for a maximum of 40 marks consisting of two unit tests, two mid-term tests, two assignments and regularity of students. The tests shall be conducted on the dates mentioned in the academic calendar and assignment submission dates shall be given by the course faculty. (ii) There shall be two unit tests each carrying 10 marks. Two-third of the best unit test mark and one-third of the other unit test mark shall be considered for continuous evaluation. The test shall consist of two questions each carrying five marks. There shall be two mid-term tests each carrying 20 marks. Two-third of the best mid-term test mark and one-third of the other mid-term test mark shall be considered for continuous evaluation. (iii) There shall be two assignments each carrying five marks. Two-third of the best assignment mark and one-third of the other assignment mark shall be considered for continuous evaluation. (iv) Attendance marks for each theory course shall be awarded as below Attendance marks for theory

courses Attendance () Marks 90 and above 5 80 to 89 4 75 to 79 3 Below 75 No mark (v) For all the laboratory courses, the continuous evaluation shall be for a maximum of 40 marks consisting of student's performance in each laboratory session and model test. 2. Scheme of Semester End Examination (i) For all the theory, practical, and project courses, the semester end examination shall be for a maximum of 60 marks as mentioned in the academic calendar. (ii) The examination shall consist of three parts – Part A, B and C. • Part A shall cover remember and understand level questions and carry 10 marks. • Part B shall cover only understand level questions and consist of five questions of either or type, one from each unit, and carry 20 marks. • Part C shall cover understand and above levels questions and consist of five questions of either or type, one from each unit, and carry 30 marks. • The questions in Part A, Part B and Part C shall evenly address all the course outcomes. (iii) For seminar, internship/ industrial training and industry offered courses, the semester end examination shall be for a maximum of 100 marks. (iv) The semester end examination for Project / laboratory courses shall be conducted for maximum of 60 marks on appropriate dates as mentioned in the academic calendar. (v) For the integrated courses which have more than 50 credit contribution from lecture classes, the semester end examination shall be conducted for a maximum of 60 marks as same as for theory courses. (vi) For the integrated courses which have more than 50 credit contribution from practical classes, the semester end examination shall be conducted for a maximum of 60 marks on appropriate dates as mentioned in the academic calendar. 3. Conditions for Pass (i) A candidate shall be declared to have passed in individual theory/drawing course if he/she secures a minimum of 50 aggregate marks (continuous evaluation and semester end examination marks put together), subject to a minimum of 45 marks in the semester end examination. (ii) A candidate shall be declared to have passed in individual lab/project course, if he/she secures a minimum of

50 aggregate marks (continuous evaluation and semester end examination marks put together), subject to a minimum of 50 marks in the semester end examination. (iii) If a candidate fails to secure a pass in foundation courses and /or programme core courses, it is mandatory that he/she shall register and reappear for the examination in those courses during subsequent supplementary examinations and/or examinations conducted at the end of subsequent semesters. 4. Supplementary Examination After the publication of the results of every semester examinations, a supplementary examination shall be conducted for the benefit of students who have failed in the current semester courses. 5. Revaluation A candidate shall apply for revaluation of his/her semester end examination answer paper in a theory course, within the stipulated time from the declaration of results, on payment of prescribed fee along with prescribed application to the CoE. 6. Challenge Evaluation The Challenge Evaluation is conducted as per the following Rules and Regulations, for the benefit of students seeking revaluation again in any one of the course papers of Examination(s), taken by them. A Student who is confident of seeking Challenge valuation shall apply for Photocopy of the answer script(s) on payment of fee prescribed in the first instance 1. The candidate has to submit the requisition letter endorsed by the Head of the Department concerned along with the proof of payment of fee to the Controller of Examinations immediately after the publication of Revaluation Results. 2. The script will be evaluated by two subject experts of which one is as per the choice of candidates appointed by the Institution in the presence of the Controller of Examination 3. In case if the difference of Marks secured by the student exceeds 09, the amount of fee paid by him/ her will be refunded to him/ her provided that the student should get a minimum mark for a pass in that particular subject. 4. In case if the difference of Marks secured by the student is within the limit of 09, the amount of fee remitted by him/ her will not be refunded 5. The final marks

	awarded in the Challenge Valuation is final. 6. There is no revaluation / Challenge Evaluation for the supplementary examinations 7. Special Examination There is a Special Examination for passed out students of B.Tech Degree Programme. A candidate admitted to the U.G Degree programme shall be permitted to take the special Examination in any one of the theory / practical arrear paper to enable him / her to qualify for the Degree and to avail the opportunity of job offer provided to him by the employer. Eligibility norms: 1. The student having only one arrear after having passed all the other course papers of that particular degree programme is eligible for Special Examination 2. The Student has to produce the appointment order or job offer letter as an evidence at the time of submission of examination application 3. The Date of Examinations will be fixed according to the choice of students 4. The results will be announced as per the Institution Procedure 5. There will be no Revaluation or Challenge Evaluation subsequent to the special examination
Teaching and Learning	The philosophical changes happened recent years in the accreditation criteria / process of National Board of Accreditation (NBA) necessitates the implementation of Outcome Based Education (OBE) in the university's academic system. Almost all the faculty members of the university underwent OBE training through series of workshops in various spells conducted by the Centre of Educational Innovation and as a result couple of engineering programs were accredited by NBA. Program evaluation (CDIO standard 12), which is a part of faculty appraisal system, conducted previous two years has revealed the deficiencies in the faculty related CDIO standards 8, 9, 10 and 11. Having realized the lack of faculty teaching competence the university started a faculty peer learning community so-called Teaching Developers Initiative (TDI) which is a congregation of fifteen passionate faculty members to enhance the faculty teaching competency (Standard 10). The TDI has been modeled to create an encompassing movement towards enhancing the teaching skills of faculty members

	through peer learning to fit themselves for Y-Gen students of 21st Century. Every Friday evening, all the members of TDI meet and discuss among themselves about diffracting teaching methods to share their experiences and to hear the perspectives of those from other disciplines. On 4th November 2016, The TDI Day was inaugurated by Dr. E. Balagurusamy, a renowned academician, a policy maker and a technocrat who has contributed to the proliferation and quality of technical education in India. In his inaugural address, Dr. E. Balagurusamy said, "Role of present day teacher is not as it was a decade ago. Mere lecturing alone will not be sufficient to make the students to think and learn. Efforts such as Teaching Developers Initiative are the need of the day for every higher education institution to enhance the teaching skills of faculty members. Vel Tech University should share its experiences of the Teaching Developers Initiative with other colleges and universities in the industry." The inauguration began with a video documentary to introduce the TDI initiative to the august audience. TDI 2016 features an exhibition of learner-centric pedagogy used by the members of the TDI in the classroom. This showcase is an avenue for to inspire fellow teachers. This TDI DAY paves a wonderful platform for the university teachers to share their semester-long classroom innovative teaching experiences and TDI Friday meeting joys with their peers in the university to motivate them to join this initiative. TDI which started with a small team of 15, one or two from each department, is expected to expand to 45 next semester and to bring a change in the teaching learning culture in the university.
Curriculum Development	• The curriculum is designed referring the Professional bodies of the programmes concerned curriculum standards. • The Departmental committee is formed within the department consisting of the Dean, Head of the Department and Internal Board of Studies members. • The curriculum sketch is framed by getting the inputs from o SWOC analysis. o Feedback from faculty, Alumni, Industry, Academic and

o Benchmarking from other reputed institutions • It is then forwarded to Departmental committee for discussion • After discussion the curriculum and syllabus are forwarded to the BOS approval. • If not satisfied the suggestions are considered to revise the curriculum and syllabus. • Courses are mapped with twelve Programme Outcomes (PO) and Program Specific Outcomes (PSO). • After the curriculum Sketch is designed the syllabus content is framed for each course. • The Course Outcomes for each course are framed. • The mapping of the CO with PO and PSO are done. • The Desired Program Outcome (PO) is the target value. • For each PO and PSO the measured values are computed. • The difference between the DPO and MPO are done to add the required number of Cos or to increase the knowledge level.

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

E-governace area	Details
Planning and Development	Indigenously development in-house software
Administration	Indigenously development in-house software
Finance and Accounts	Tally
Student Admission and Support	Indigenously development in-house software
Examination	Indigenously development in-house software

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	Dr. N. Haridharan	10th International Conference on Advancements in Polymeric Materials (APM 2019)	APM, CIPET	6000
[View File](#)				

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

Year	Title of the	Title of the	From date	To Date	Number of	Number of

	professional development programme organised for teaching staff	administrative training programme organised for non-teaching staff			participants (Teaching staff)	participants (non-teaching staff)
2019	Workshop on Training Course on Processing of Hyperspectral Images	NA	30/09/2019	01/10/2019	38	Nill

[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
Large Scale Mapping for city/urban planning amp Panchayat Raj Applications" Conducted by National Remote Sensing Centre, Hyderabad	3	23/09/2019	27/09/2019	5

[View File](#)

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
686	686	204	204

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Available	Available	Available

6.4 – Financial Management and Resource Mobilization

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

Yes, the institution conducts periodical Internal Audit with respect to revenue generated and recurring and Non-Recurring expenditures. Regarding external audit, yearly statutory audit is being conducted and reports are filed yearly and the same has been uploaded in the Institution Website.

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

Management	202901200	Institute
No file uploaded.		

6.4.3 – Total corpus fund generated

847809892

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	AISHE	Yes	Academic Auditor
Administrative	Yes	Nill	Yes	Administrative Auditor

6.5.2 – What efforts are made by the University to promote autonomy in the affiliated/constituent colleges? (if applicable)

Not Applicable

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

o Parent – Teacher meeting is arranged once in a semester by each school. o Parents meet the respective mentor assigned to their ward on the day of meeting and will come to know the academic performance and other details about the ward. o Parents can express their views to the mentor, HoD and Dean.

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

The Institution Deemed to be University conducts several training and development programmes for skill upgradation of supporting staff of the Institution. The training programmes are being organized for mid-level and senior level supporting staff. Workshops on Yoga and stress management are also organized.

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

Not Applicable

6.5.6 – 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

6.5.7 – 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	Teaching professors workshop on Project Based Learning	02/12/2019	02/12/2019	06/12/2019	40

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
Mother's day charity event	03/02/2020	03/02/2020	84	65
International Women's Day Celebration	06/03/2020	06/03/2020	350	250

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
20

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
Special skill development for differently abled students	Yes	Nill
Any other similar facility	Yes	Nill

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
Nill	1	1	15/10/2019	4	Tree plantation on occasion of Dr.Abdul kalam birthday	Natural Filtration, Cleaner water	40

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

Title	Date of publication	Follow up(max 100 words)
Nil	Nill	Nil

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Orientation program conducted for the newly joined faculty members	21/06/2019	22/06/2019	100

No file uploaded.

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

1. Swachh Bharat Programme Swachh Bharat mission is a nation- wide campaign in India that aims to clean up the streets, roads and infrastructure of Indian cities, towns and rural areas. The NSS and NCC units of our institution organizing this programme inside and outside the campus involving more number of student volunteers to fulfil the mission "Clean India". 2.Tree Plantation Programme The Objective of Tree Plantation programme is planting trees and plants to save the endangered environment and to beautify our life. Our NSS Unit organized more number of "Tree Plantation" programme in the name of "MY EARTH – MY DUTY" inside and outside the campus. The NSS volunteers planted more than 500 trees in and around the campus. The students also placed bricks as barricades and each student took the responsibility to nourish and maintain the allocated plant. Eventually, the campus attained a glorious look. 3.Plastic Free Awareness Campaign Plastic pollution is a huge environment and health issues as it harms us in more than one way such as it clogs drains, causes visual pollution and proves fatal for stray animals. With the aim of creating Plastic Free Environment, the institution is proposed to fixed the following objectives under the "Plastic Free Cleanliness Drive": • To create awareness among the staff and students on the hazards of single use of plastic and to motivate them towards the use paper or fabric (Cotton or Jute) bags • To create a plastic free environment at the adjoining areas of our campus. 4. Implementation of recycling program The standard way of supporting mindfulness around sustainability is to establish a recycling program within our campus. From the kitchen area to our workspaces, provide education on responsible waste disposal through clear signage on designated waste stations to help our students, staff and visitors to distinguish between what items belong in recycling, compost, and in the trash bin. We are also doing the safe removal and donation of old computer parts and other electronics items unnecessarily taking up space in our workplace to a E-waste Lab, which is located in our campus. 5. Promote a paperless office inside the Campus Digital and cloud computing solutions have enabled institutions to become more collaborative, streamlined, efficient, and green too. Using desktop applications such as Microsoft Office and Google Drive for coordinating work projects to investing in digital HR and payroll software to handle workforce management, paper and ink are swapped out for an eco-conservative alternative. 6. Conserve energy within the Campus Turning off the lights and switching off electronic equipment around the office during off-hours will help to conserve energy resources as well as save our institution a significant amount on your electric bill. The Energy Conservation Policy has been communicated to all our Staff and Students to reduce the energy consumption.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

- **Problem-based Learning Project Work • Dial your University**

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

https://www.veltech.edu.in/wp-content/uploads/2020/06/aqar/Best-Practice.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

"Incubate Entrepreneurship" After the immediate recognition as Deemed to be University (under section 3 of the UGC act, 1956), one of the priorities of this institute is to inspire, engage and drive entrepreneurship skills among the students, faculty members and staff of the institute. In line with the institutional mission and national priority, the institution established the Technology business incubator in the year 2010 to promote entrepreneurship to bring the campus born ventures. To recognize the institute's efforts, the Department of Science and Technology gave as support to establish Technology Business Incubator (TBI) to achieve the following objectives: ? Creation of technology based new enterprises ? Creating value-added jobs services ? Facilitating transfer of technology ? fostering the entrepreneurial spirit ? Speedy commercialization of RD output ? Specialized services to existing SMEs Promoting Entrepreneurship interest among students/ Faculty model adopted by the institution as follows: Imparting Entrepreneurship Knowledge Institute regularly organizes events such as Critical thinking, Design thinking, and entrepreneurship Awareness camps with the support of EDI – Ahmedabad, project Competition Called VISAI and Field marketing event "Sandhai" to impart knowledge among the students and faculty. Number of events organized for the last three years is 101. Evidence can be found here (https://veltechtbi.com/events.php) Idea Generation/ Social Activities Students of Vel tech regularly visit the villages to identify their problem areas. These problem statements are worked out with the support of Conceive Design Implement Operate (CDIO) lab. There are many solutions that were developed to help the villagers by the students. Prototype Development In-house 3D printing and CDIO lab help the students to experiment with their ideas to bring the working model. There are many prototypes that were developed. This will be the pipeline for students to enter into Vel Tech TBI Pre-incubation. Deployment Prototype having commercial viability and demand are further supported by NIDHI PRAYAS and Institute's seed fund for Scale up. Vel Tech TBI plays an instrumental role in taking these ideas forward. The Institute established e-waste and plastic waste pilot plant as thrust area to develop entrepreneurship. Through this pilot e-waste plant, the institute has developed 5 Patents and organized 80 plus training programs on e-waste recycling. The awareness programs to sensitize the nearby villages of Arakambakkam, Pamathukulam, Vellanoor, Morai on waste recycling such as safe disposal of e-waste were regularly done. Vel Tech also developed 19 startup companies promoted by its alumnus. It also continued its journey to promote entrepreneurship with the continuous support from State Government through EDII TN and Central Government department such as DST MeitY. To drive the students' creativity and innovation, the institute established many Centers of Excellence to give experimental platform to test their idea and bring out the working model. It also helped the Vel tech academic fraternity to make fast testing and fast achieving their innovation development. The Centre of excellence (CoE) which supports entrepreneurship is listed below, evidence (https://www.veltechtbi.com/products.php?div1) Vel Tech established various support services to provide handholding support to

incubated startups.

Provide the weblink of the institution
https://www.veltechtbi.com/

8.Future Plans of Actions for Next Academic Year

• Revision of curriculum and regulations for the undergraduate engineering programmes • Introduction of new program in M.B.A • Introduction of new program in M.Tech. – Biotechnology • Introduction of new emerging programs in B.Tech. • Submission of compliance report for four B.Tech. programmes namely Automobile Engineering, Civil Engineering, Computer Science Engineering and Electronics Communication Engineering. • Training to faculty members on various teaching learning approaches. Modernization of class room to suit to active learning by students • Faculty industry internships, international teaching/research stays, focused teaching skill improvement programs to faculty with internationally reputed experts • Research publications in refreed journal: 800 • It is planned to attract more core companies to visit the campus for recruitment thereby to increase the placement percentage. • Four meetings per year (June, Sep, Dec, March) • AQAR for the Academic Year 2019-20 has to be prepared and uploaded. • Preparation of IIQA and SSR for the NAAC Second cycle • Participation of o NIRF India Rankings 2021 o ARIIA 2021 o Time Higher Education (THE) World University Ranking 2021 o QS World University Ranking 2021 etc. • To be upload the institutional data in All India Survey on Higher Education for the Academic Year 2020-21 by December 2020 • Academic Audit to be conducted by inviting external experts for the Academic year 2020-21 during May 2021. • Interim feedback to be collected and analysed o Summer Semester – September 2020 o Winter Semester – March 2021