



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution	VELS INSTITUTE OF SCIENCE, TECHNOLOGY AND ADVANCED STUDIES(VISTAS)
Name of the head of the Institution	Dr. P. Swaminathan
Designation	Vice Chancellor
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	04422662500
Mobile no.	9962506344
Registered Email	vistas@velsuniv.ac.in
Alternate Email	vc@velsuniv.ac.in
Address	Velan Nagar, Pallavaram
City/Town	Chennai
State/UT	Tamil Nadu
Pincode	600117

2. Institutional Status																			
University			Deemed																
Type of Institution			Co-education																
Location			Urban																
Financial Status			private																
Name of the IQAC co-ordinator/Director			Dr. S. Arun																
Phone no/Alternate Phone no.			09962506209																
Mobile no.			9787115195																
Registered Email			director.iqac@velsuniv.ac.in																
Alternate Email			arun.se@velsuniv.ac.in																
3. Website Address																			
Web-link of the AQAR: (Previous Academic Year)			http://velsuniv.ac.in/IOAC-AQAR-Report-2017-2018.pdf																
4. Whether Academic Calendar prepared during the year			Yes																
if yes,whether it is uploaded in the institutional website: Weblink :			http://www.velsuniv.ac.in/calendar.asp																
5. Accreditation Details																			
<table border="1"> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accreditation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> <tr> <td>1</td> <td>A</td> <td>3.01</td> <td>2019</td> <td>28-Mar-2019</td> <td>27-Mar-2024</td> </tr> </table>						Cycle	Grade	CGPA	Year of Accreditation	Validity		Period From	Period To	1	A	3.01	2019	28-Mar-2019	27-Mar-2024
Cycle	Grade	CGPA	Year of Accreditation	Validity															
				Period From	Period To														
1	A	3.01	2019	28-Mar-2019	27-Mar-2024														
6. Date of Establishment of IQAC			10-Aug-2009																
7. Internal Quality Assurance System																			
<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 & Duration</th> <th>Number of participants/ beneficiaries</th> </tr> <tr> <td>FDP Enriching Pedagogy</td> <td>17-Dec-2018 6</td> <td>663</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	FDP Enriching Pedagogy	17-Dec-2018 6	663					
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FDP Enriching Pedagogy	17-Dec-2018 6	663																	

Workshop on Effectively using Turnitin Plagiarism software	05-Feb-2019 1	663
Hands on training on Calculating Attainment of CO in ERP	04-Mar-2019 1	663
Brainstorming on the Perspective Plan	03-Dec-2018 1	15
Training on Entering data in Faculty Profile in ERP	08-Apr-2019 1	663
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
No Data Entered/Not Applicable!!!				
No Files Uploaded !!!				

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 :	3
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No

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

IQAC of VISTAS abides by the concept of Total Quality Management which caters for all the quality certification initiatives like NIRF, NBA, ISO, by fixing benchmarks for overall institution. Thereby pharmacy secured 52nd rank in NIRF and the university was positioned in 151-200 band. All the metrics of these initiatives are analysed properly and the targets are recommended to the top management which could be implemented in all their plans. IQAC does a Delphi technique to formulate and implement the strategic and perspective plans

Intellectual property of a higher educational institution is the most important asset to the society. Therefore, quality initiatives are inculcated by enhancing quality research which leads to the deliverables such as research publications. The originality of the research papers and the thesis are verified and validated by the IQAC. The incentives to faculties for quality publication is acknowledged by IQAC which in turn motivates the faculty, scholars and students to come out with more of publications. IQAC Reviewed the deliverables of Seed Grant Project as well. Hence, Research Publication in Scopus/WOS in UGC Web site reached 1165 this year.

IQAC trained faculty for the preparation of self-assessment report for various programs and finalized for B.E Mechanical engineering, B.E Computer Science and Engineering, B.E Marine engineering and Pharm.

IQAC guided School of Maritime Studies assigned Grade A2 by Indian Register of Shipping, Govt. of India and School of Maritime Studies got the ISO 9001-2015 Certification.

Feedback has been collected from vital stakeholders during the completion of each semester to find out the gap between Industry and Academia and fulfilment of their expectation. The data is collected in a systematic manner by a structured instrument, analysed and the findings are circulated to concerned heads of the departments and other decision makers for corrective actions. The various dimensions of quality in terms of curriculum, co-curricular and extracurricular aspects have to be viewed from the beneficiary in a continuous manner as the human behaviour is complex and environmental turbulence is more. This mind set is deeply accepted by each and every employee of VISTAS by the continuous efforts of IQAC in terms of mechanism like academic and administrative audits to vouch the implementation of corrective actions.

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

Plan of Action	Achivements/Outcomes
NIRF ranking to be improved at the university level.	University was positioned in 151200 band.
The number of functional MOUs to be enhanced to facilitate industry connect with academia.	144 MOUs signed
The quality of papers published to improved to be improved in terms of indexing in Scopus database, citation and h-index.	1165 Research Publication in Scopus/WOS in UGC Web site
Consultancy revenue to be generated by the faculty so as to improve their capability for real life problem in industry research laboratories and business houses.	INR 5810000 generated from consultancy.
More number of research proposals to be	22 research projects got sanctioned.

submitted for government and non-government funding.						
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14. Whether AQAR was placed before statutory body ?		Yes				
<table border="1"> <tr> <td>Name of Statutory Body</td> <td>Meeting Date</td> </tr> <tr> <td>Board of Management</td> <td>27-Feb-2020</td> </tr> </table>		Name of Statutory Body	Meeting Date	Board of Management	27-Feb-2020	
Name of Statutory Body	Meeting Date					
Board of Management	27-Feb-2020					
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?		Yes				
Date of Visit		25-Mar-2019				
16. Whether institutional data submitted to AISHE:		Yes				
Year of Submission		2019				
Date of Submission		08-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)		<p>Key Features of MIS at VISTAS are • Encompasses all operations of the University - from Application sale to Alumni • Workflow based application • Data validated and approved by next level of hierarchy • All transactions stamped by date, time and username, machine id - Better Security • User rights (Dynamic menu control) and authentication • Web based - Easy to use • PDF Report Generation Modules currently operational • User Manager • Admission • Academic • Workforce Management (HR) • Purchase and Inventory • Examination • Finance and Accounts • Hostel • Transport How it is useful Management: Statistics, Performance, Accounts and Finance Staff: Staff Profile, access to Students' information, leave management, salaries etc.. Students: Access to attendance, timetables, exam schedules, marks, leave application, online material</p>				
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
No Data Entered/Not Applicable !!!			
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
No Data Entered/Not Applicable !!!				
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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
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
BSc	Maritime Operations	02/07/2018
MSc	Culinary Arts	02/07/2018

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
No Data Entered/Not Applicable !!!		
View File		

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
No Data Entered/Not Applicable !!!		
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained

The institution acknowledges and bestows due importance to all stakeholders of the institution, and strives to maintain a close two-way association with them. To have better coordination and also to utilize their help and suggestions for improving the institution, separate committees have been established. Periodical meetings are organized by the respective committees with the stakeholders where their feedbacks are also collected. Students Feed Back A team of senior faculty members and class teacher conduct the class committee meeting after a month of commencement of every semester, minimum of two class committee meetings are conducted in every semester for the respective course and feedback is taken on various teaching/learning aspects. ? In the class committee meeting, the student representatives freely express their opinion about the course. The subject handling faculty members will not be in the committee. If the students feel any inconvenience in understanding the subjects, the Head of the Department will take the necessary corrective measures. ? The feedback forms will be filled by the students for each course collected through online by Internal Quality Assurance Cell (IQAC) at the end of every semester. ? The IQAC will consolidate and review the feedback and the faculties those who earned excellent feedback are appreciated and the faculty, who hadn't performed well, are given opportunities to improve themselves. Course exit feedback and program exit feedbacks are also taken to analyse the understanding capability of the students. Parents Feed Back: The feedback exercise is carried out by IQAC and an online Feedback questionnaire is circulated with important opinions as expressed below:- ? Parents feedback on their experience of interacting with faculty members. ? Parent's opinion for augmentation of infrastructural facilities, especially classrooms. ? The procedure carried out by the institution in reaching them with matters relating to classes, internal marks obtained by their wards and various activities of the institution. After analyzing the feedbacks of the parents/guardians, the institution authority takes up certain corrective measures on priority basis. Alumni Feedback: The Institution Alumni Association holds meetings every year. During these occasions the Alumni feedback, an online questionnaire is floated among the alumni. The responses are analysed on the basis of different parameters which helps to implement quality policy at institute level which has enabled the following: Enhancing the curriculum by being part of the Board of Studies, strong Industry-Institute Interaction, In Plant Training, Guidance in Industrial Projects, Expert Lecture series, Internship and felicitating Placement of VISTAS Students. Employers Feedback The Employers feedback is collected from the industries where our students gets employed through a set of online questionnaires which includes key parameters as Technical Knowledge, Knowledge of Modern engineering tools, Communication skill, Professional ethics responsibility, Ability to work in team, Leadership quality, Independent life-long learning ability, Work sincerity.

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
No Data Entered/Not Applicable !!!				
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
2018	10010	1193	564	99	663

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
663	663	Nil	210	10	Nil
View File of ICT Tools and resources					
View File of E-resources and techniques used					

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

Mentoring of students is a very important aspect of student support activities at VISTAS and aids in the holistic development of students. The Mentoring Process at VISTAS starts with allocation of students to faculty mentors as soon as the academic session commences. The faculty who either is a class in charge or faculty handling a course for a student is assigned as mentor to the students. Each faculty is assigned with 15 to 30 students as mentees whom they meet minimum once in a fortnight to discuss and understand their issues and difficulties. Mentoring is done on several aspects ranging from Personal Issues, Academic Issues to Career counselling.

MENTORING ON PERSONAL ISSUES: Students of VISTAS form a typically heterogeneous group and they have personal issues of varied dimensions. The Mentors initially map the background of the students allotted to them to understand them better. Mentors closely monitor their mentees for any intrinsic problem faced by them in their personal or familial space and offer them suitable guidance or talk to the parents if necessary. The problem may range from financial constraints of the parents, addiction of the mentee towards social media, inability of the mentee to focus and concentrate on studies because of relationship issues, health issues, other hobbies or interests which digress them from their goal.

MENTORING ON ACADEMIC ISSUES: VISTAS being a multidisciplinary University catering to diverse students, the learning styles of students vary to a great extent. Mentors come to the rescue of students who have difficulty in matching to the benchmarks of academic rigour set forth by VISTAS. Mentors help the students and connect them with their peers and seniors so that through this networking they would be able to perform better. Mentors also identify specific areas where their mentees have not fared well and support them by getting help from the concerned faculty in the form of extra reading material, remedial classes etc. Also Mentors identify highly aspiring candidates and nurture them to present research papers in conferences, to publish articles, to represent the University in various curricular and co-curricular activities in their domain like participation in Hackathons, Business Plan Contests, Quiz CAREER

COUNSELLING: Mentors identify the skill sets of the mentees and prepare them for the transition from student life to that of a member of workforce of an organisation. This support is given by encouraging the mentees to take up additional online courses related to their domain, conduct of periodic Group Discussions, Mock Interviews and also guidance for preparation of Resumes. Mentors discuss the career plans of the mentees. The Mentoring system has been very effective to the extent that VISTAS has not faced any student issues of substance usage as they have a mentor to confide with.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
11390	663	1:17

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
663	545	118	118	272

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
No Data Entered/Not Applicable !!!			
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
No Data Entered/Not Applicable !!!				
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
243	11162	2.17

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://www.velsuniv.ac.in/academics.asp

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
No Data Entered/Not Applicable !!!					
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)

http://velsuniv.ac.in/NAAC/Criteria/SSS-2018-19.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
No Data Entered/Not Applicable !!!				
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
No Data Entered/Not Applicable !!!		
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
No Data Entered/Not Applicable !!!				
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
No Data Entered/Not Applicable !!!		
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
No Data Entered/Not Applicable !!!				
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
No Data Entered/Not Applicable !!!					
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
Computer Science Engineering	8
Chemistry	5
School of Computer Science	11
Mechanical	6
Biochemistry	2
Mathematics	1

Electronics and Communication Engg	2
Tamil	2
Biotechnology	4
English	2
Microbiology	1
English	2
Commerce	1
Pharmacy	5
School of Management	11

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)
No Data Entered/Not Applicable !!!			
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
No Data Entered/Not Applicable !!!	
View File	

3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
No Data Entered/Not Applicable !!!			
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
No Data Entered/Not Applicable !!!						
View File						

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
No Data Entered/Not Applicable !!!						
View File						

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

Number of Faculty	International	National	State	Local
No Data Entered/Not Applicable !!!				
View File				

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)
No Data Entered/Not Applicable !!!			
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
No Data Entered/Not Applicable !!!				
View File				

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
No Data Entered/Not Applicable !!!			
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
No Data Entered/Not Applicable !!!			
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/Agen cy/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
No Data Entered/Not Applicable !!!				
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
No Data Entered/Not Applicable !!!			
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	Duration From	Duration To	Participant
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		/research lab with contact details			
No Data Entered/Not Applicable !!!					
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
No Data Entered/Not Applicable !!!			
View File			

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
900	941.25

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Classrooms with Wi-Fi OR LAN	Newly Added
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	Newly Added
Classrooms with LCD facilities	Newly Added
Seminar Halls	Newly Added
Laboratories	Newly Added
Class rooms	Newly Added
Campus Area	Newly Added
View File	

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
LIBGENIE	Partially	3.0 (2016)	2003

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	96501	35063729	7120	1530076	103621	36593805

Reference Books	13750	8413573	565	487791	14315	8901364
e-Books	143093	Nill	2055	485000	145148	485000
Journals	333	Nill	36	1666359	369	1666359
e-Journals	12416	Nill	46	2912855	12462	2912855
Digital Database	4	Nill	1	647337	5	647337
CD & Video	5176	177860	33	Nill	5209	177860
Library Automation	1	89200	Nill	Nill	1	89200
Weeding (hard & soft)	Nill	Nill	Nill	Nill	Nill	Nill
Others(s pecify)	3	Nill	Nill	36070	3	36070

[View File](#)

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
No Data Entered/Not Applicable !!!			
View File			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	2300	42	2100	8	42	5	3	1100	12
Added	322	4	300	1	4	1	1	0	0
Total	2622	46	2400	9	46	6	4	1100	12

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

1100 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
Lecture Capturing System, Media Centre, Mixer Editor, Audio Centre	http://velsuniv.ac.in/4.3.5-geotag-photos.asp

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
1000	1050.33	650	636.38

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)

Physical facilities The physical facilities including Laboratories, Classrooms, and Computers, etc. are made available for the students of the university. Each department is allotted funds in its recurring budget for maintenance purposes. Annual Maintenance Contract has been signed for all major equipment. The Annual Stock Verification is carried out to identify the working of machinery, equipment, and repairs are being done during vacation. Repairs and replacement are done swiftly with a decentralized decision process. The utilization of warranties and guarantees are scrupulously followed. Users are given proper training and orientation in the proper handling of facilities. Water Treatment RO Plant has been installed to provide safe water for the entire campus. Wi-Fi campus has been established during the period under review. The Maintenance expenditure is on the increase as and when the need arises. The whitewashing of walls of all civil structures is done once in two years and if necessary even earlier. The maintenance and the cleaning of the classrooms and the laboratories are done with the efforts of the non-teaching staff and in major cases, the university goes for the maintenance contract to local experts. The green cover and gardens are maintained by gardeners which are headed by a trained Gardner. A biogas plant is also operational on the campus. Biodegradable waste is converted into manure by a modern machine. Solar panels are fitted at the top of the buildings for the generation of electricity. The University has an adequate number of computers with internet connections and the utility software tools have been distributed to different departments like offices, laboratories, libraries, staff rooms, etc. All the stakeholders have equal opportunity to use those facilities as per the rules and the policies of the institution. University has a separate department known as IT Maintenance Department under an IT Manager to maintain Hardware and Software's facilities including Internet and Intranet. Preventive maintenance has resorted to Firewalls and Anti-virus/software. The Annual Maintenance Contracts are in vogue to maintain computers and their accessories. The University has a team of qualified, experienced Computer Engineers, System Administrators, and technicians who maintain the IT infrastructure, Network services, Hardware services, and server maintenance. The University has a contractor to collect e-waste. Academic and Support Facilities The academic support facilities like the library, sports and other platforms supporting the overall development of the students like NSS or Competitive examination cell, etc. are open not only to the university students but also to all the stakeholders in the surrounding villages with prior permission of the authority. A provision of the budget for library maintenance is made by the university management. The activities like fumigation and keeping the library clean are done frequently by library staff. The Sports and Games department of the university is meritorious, consisting of an Indoor Hall and a 200-meter running track. The running track and the outdoor facilities are available to all the stakeholders. A separate coaching department for competitive examinations is established by the university, which empowers the students for competitive examinations

<http://velsuniv.ac.in/maintenance-schedule.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	Vels Entrance Examination, Merit Scholarship, Economically Challenged, Sports Scholarship, FEFSI, Nadigar Sangam, Staff Benificary, Agaram Foundation, SIAA, SICA, TANCIS, TCJA, TFDA, TFPA, TSIAA	1845	38493278
Financial Support from Other Sources			
a) National	Government scheme and support of Non Government Agencies	53	1344940
b) International	Nill	Nill	Nill
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
No Data Entered/Not Applicable !!!			
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
2019	Guidance for Competitive Examination and Career Counselling	820	6308	12	1514
View File					

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

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

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
No Data Entered/Not Applicable !!!					
View File					

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

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2019	Nil	Nil	Nil	Nil	Nil
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
NET	1
SLET	3
TOFEL	1
Any Other	7
View File	

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

Activity	Level	Number of Participants
No Data Entered/Not Applicable !!!		
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/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
No Data Entered/Not Applicable !!!						
View File						

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

Student representatives participate as members in many of the committees for decision making. S. No. Name of the Committee Year of Inception Total Members

Student Representation 1 Anti-Ragging Committee - 2008-2009 25 5 2 Students Affairs Advisory Committee 2008-2009 16 3 3 Internal Complaint Committee (Sexual Harassment Committee) 2008-2009 10 4 4 Grievance Redressal Committee 2008-2009 10 2 5 Sports Committee 2009-2010 13 2 6 Hostel Advisory Committee

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

VELS ALUMNI ASSOCIATION, a registered association under the Tamil Nadu Societies Registration Rules, 1978, with registration number 77 / 2005, commenced functioning on 24th day of February 2005. The registered office of the association is at Velan Nagar, P.V. Vaithiyalingam Road, Pallavaram, 600117. The main objective of the association is to promote the cause of education, to maintain and develop network among the past and present students, to encourage the activities of VELS research association and to add values to the VELS group of institutions. The Annual General body Meeting of the association is being conducted during the month of March every year. At present the association is having 3172 registered members. Most of the alumni functions are conducted at the school level of the VELS like the School of Pharmacy, School of Management, School of Engineering etc. During the month of November, the school of Pharmacy, used to conduct the Alumni meet in a grand manner with the name 'PHARM ALUMS'. We have received a good response from each alumnus who had attended the alumni interaction session. The school of management, used to conduct alumni meets with name 'Echoes' on 26th day of January every year. The distinguished alumni are invited, and they share their experience to our budding entrepreneurs of VELS. With the help of NSS unit and Youth Red Cross of VELS, the VELS ALUMNI ASSOCIATION is organizing the Blood donation Camp every year. The association also encourages the first three ranks in each department by awarding them with Gold, Silver and Bronze medal respectively. The alumni members of School of Basic Sciences and Life Sciences used to conduct medical camp during the month of February every year. The passed out students of pharmacy department met on 6th September, 2017 and they have also conducted tree plantations. It is proud to mention that the alumni members of our institution have actively participated in the flood relief during the severe flood in December 2015 at Chennai. They have sponsored more than 200 kilo grams of raw rice, water packets, huge quantum of clothes, note books, school bags, candles and food items like bread and biscuits etc. Even after the Vardah Cyclone, the association has conducted the tree plantation camp in different areas of Chennai. The other departments are also using the intellectual assets of the alumni members by means of providing guest lecture, discussion about the curriculum to augment the gap between academic and industrial requirements, arranging for the industrial visit, and inductive learning through interaction of past and present students. The school of engineering invites their alumni members to impart the practical knowledge to students and they have been consulted in framing the course structure. Every year one or two distinguished alumni members are identified and they are invited as the chief guest for the cultural programs of our University. Any passed out student of VELS, can become an alumni member, by registering online or by directly approaching the alumni coordinator of respective department.

5.4.2 – No. of registered Alumni:

594

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

672000

5.4.4 – Meetings/activities organized by Alumni Association :

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

The institution follows an open door policy by which any stake holder can meet the Registrar, Vice Chancellor, Pro-Chancellor or the Chancellor for any discussion related to the individual as well as organisational well being . The annual financial budget is planned by bottom - up approach where the department heads propose the requirement and it is presented before a committee headed by the Pro-Chancellor (Planning and Development) ,Vice Chancellor, Registrar and Chief Financial Officer .The Committee scrutinises the requirements under various heads and sanction is accorded aligning it with the objectives and mission of the Institute .The sanctioned budget order is communicated to the department heads to implement various activities and raise the Internal Memorandum for purchase of any material prior to the commencement of academic year . The consolidated outcomes of Class committee meetings held every month end is received and i analysed by the Pro-Chancellor. This class committee is similar to quality circles with voluntary participation of students under various heads like Curricular, Infrastructure, Sports, Cultural and Co-curricular aspects of the Institute through the Heads of Various departments. The suggestions as per the requirements of these quality circles are then implemented. As the students are the most important stake holders of the Institute, the top officials meet randomly selected students from each program at the end of the semester in their class rooms. Based on their feedback, decisions are taken about rewards to the faculty members at the end of the academic year. In case, if any remedial actions are to be taken, they are undertaken too. Suggestions are welcome by the top management for enhancing the quality of research and academics through e-mails .The contents of the mails are verified and necessary actions are initiated to maintain the standards and Values of the Institution Self-Managed teams are created for all events in the Institute comprising of Faculty and students connected virtually for smooth functioning and quick information sharing. The faculty have complete academic freedom to exploit wisdom in terms of Pedagogy, Collaborative research, Publications and Patents. Proper guidance is given and it has been insisted continuously in all the meetings held at the department level and Institution level. Faculty are duly rewarded for their contribution.

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	<p>Student admission for the year 2018-2019 was implemented through Vels Enterprise Resource Planning (ERP) software. An Online portal enabled service used for collecting application in University website</p> <p>http://www.velsuniv.ac.in was introduced later these applications are migrated into ERP system to complete the admission procedure. Original</p>

document is collected for verification, entered in the ERP system and acknowledgment provided to the candidate. As the admission process is semi-online, admission forms are also provided through offline mode. The ERP software is also used for student support like issuing Transfer Certificate, Bonafide Certificates, Admission Forms, Issue of ID Cards, Library cards and Challan ..

Industry Interaction / Collaboration

Better interaction between Technical institutions and industry is the need of the hour. This will have great bearing on the University Curriculum, exposure of industrial atmosphere to students and subsequent placement of young students in Industries. Industry-Institute -Interaction cell was established and this promotes industry experts to continuously partake in curriculum design and career development programs which play a significant role in honing the skill set of the students inclined towards the expectation of the industry. Towards up-scaling the academia in the Global knowledge index, ample industrial exposure is provided to the faculty members to enhance the Teaching Learning Process and enable the Institution to produce quality students in turn. More than 150 active MoU with industries have been signed in the last three years. Around 1500 students were trained in industry through Internship and Industrial Projects. Nearly 500 Industries had various consultancy works with our Centre for Instrumentation lab for the last three years.

Human Resource Management

The selection Committee of VISTAS is headed by the Vice Chancellor with the School Dean, Department Head and a Woman Member from other disciplines during faculty interview. The aggregate metrics scored by the recruit in the panel interview is considered for ranking and final selection. This process is done in a very transparent way by the panel. 360 degree Performance appraisal is carried out by the student, immediate superior, self-appraisal form and based on this the increment and promotion is awarded. A perfect Human Resource information system was upgraded for maintaining for

payroll administration. HR Policies in terms of Consultancy was revised. The Headship was based on job rotation in some departments.

Library, ICT and Physical
Infrastructure / Instrumentation

The Central Library gives guidelines for improving the quality of library resources. IEEE, ASME, ASCE, etc., institutional login enables the faculty and students for their academic and research works. Suggestions from the Library Committee are used for improvement in quality of library resources. Every year, new books, journals, etc., are purchased and thereby the library is up to date. In addition to this, each Department has its own Library facility that includes text books, project reports and research articles published. VISTAS regularly increases the ICT facilities for classrooms, tutorial rooms, seminar halls and Laboratories. It also enhances the Internet connectivity facility and the power backup facility for Laboratories. VISTAS has a dedicated FTP Server for resource access.

Research and Development

VISTAS is a research-intensive university that seeks to create and transmit knowledge and understanding through quality research for the benefit of society, nation and the world. Academic research is promoted by the Centre for Advanced Research and Development which coordinates the entire administration for scholars of Ph.D / M.S by research starting from admission till the award of the degree. VISTAS has 12 Centers of Excellence through which research activities are established. In the last three years, VISTAS granted 14 Government and Non government projects to the tune of 10 Crores. The Center for Instrumentation facility was established during 2018 and in 2018-2019, 509 consultancy works were carried out to the tune of Rs 5.3 lakhs. The VISTAS BoM granted Seed Money for 44 Mini projects to the tune of 44 lakhs during 2018-2019. UGC / Scopus Publication in the year 2018-19 was 690. Totally 128 Ph.D have been produced by VISTAS during the last 3 years.

Examination and Evaluation

Examination: Every department has a Continuous Assessment(CA) Test Coordinator, well supported by the

respective HoD and a few faculty members, who conducts such examinations centrally at the department level

Question papers set for CA tests are diligently checked for quality in accordance with the learning outcomes by mapping the course outcomes to programme outcomes

External faculty belonging to different disciplines with field of specialization check End Semester Examination (ESE) question papers for syllabus coverage and check Blooms Taxonomy level of each question so as to meet the course outcomes of each course.

End semester examinations are conducted centrally by the office of COE and the entire process is IT integrated

The Chief Superintendent to oversee the conduct of examination is appointed by the COE. The invigilators and examination flying squad on duty will book any identified case of malpractice during the examinations.

Evaluation: The evaluation of CA test paper is done at the department level.

The evaluation pattern varies for different components of CA such as Quiz, Seminars, Field Visits, Group Discussion etc. and some are done online

Marks of all CA components are entered in ERP then and there.

Coding of Answer scripts: Dummy numbers are generated and mapped with the students Register numbers to ensure confidentiality

Central evaluation of answer scripts is continued involving both External and Internal faculty

Revaluation: After publication of results, students can apply for revaluation of answer scripts and the revaluation is done by External faculty.

Students who are not satisfied with the result of revaluation, will be given the actual ESE answer script for another valuation by the internal faculty concerned in the presence of the student and thereby ensuring the transparency in the evaluation process

Supplementary examinations are conducted for students who have failed in one or two courses so as to enable them to qualify for other courses and the degree. This is a student friendly remedial option available during the final semester of the degree program.

The Office of the Controller of Examinations has its own Examination Procedure manual and it religiously

follows the procedure manual for implementation of all the activities connected with the examination system. The procedures are transparent and known to all stakeholders

Teaching and Learning

- Orientation and Induction Program for all the first year students
- Bridge Courses for first year students for subjects like Maths and English
- Internship and In-plant Training are part of the curriculum to enhance the industrial exposure of students
- Availability of Vel's Knowledge Resource Centre, Language Laboratory, E-learning platform, Virtual Learning Centre and a Foreign Language Centre etc.,
- Fast learners are encouraged to achieve more through MOOC platforms such as NPTEL, Coursera etc., Value-Added Courses, Mini projects, paper presentations etc.,
- Remedial classes for Slow Learners to enhance their understanding of the subjects.
- Personality development classes, Placement training for final years

Curriculum Development

Before the launch of new programmes / courses, the required information is gathered regarding the background, context and need of the programme / courses from different stakeholders like academia, industry, NGOs, students and alumni. After collecting the required information, the BoS is convened by a presentation of the curriculum developed. Topics beyond syllabus through smart classes, videos, You-tube, NPTEL, MOOCS are also part of the curriculum. Interaction with industry experts is a norm and thereby experiential learning happens. Thus, in the curriculum development different checks and stabilities are adopted, which include inputs from wide variety of stakeholders to improve the quality at different levels and stages as part of quality improvement strategy.

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

E-governance area	Details
Planning and Development	Every year, structured feedback is obtained from Alumni and Employers using e-resources. Based on the demand, appropriate action is initiated to start new programs. Based on the feedback, action is initiated to add new courses. For the existing courses, action is initiated to revise the

	syllabus
Administration	<p>The E-Service register was initiated for faculty log-in where all the data was saved. The complete Human Resource Information system was upgraded for all types of monitoring and feedback. All official communications were made paperless by group e-mails from the Vice Chancellor's Registrar and COE office. All documents were collected through e-forms where the data is very transparent and could be edited/ retrieved for various purposes by the concerned.. Official mail ids were created for the students so as to access all E-Services. The social media was used as a platform to connect with the Alumni to share about recent events.</p>
Finance and Accounts	<p>VISTAS have qualified Chartered Accountants (Internal Auditors) to supervise the Internal Audit Functions and they ensure that all the procedures and guidelines set by the Board of Management are strictly followed while carrying out the transactions. The Internal Auditors also ensure that the transactions are carried out in the ERP and can participate in the purchases initiated by the respective HODs / Deans / Directors. All the inward and outward transactions are only through online mode. Physical payment is restricted to the maximum extent.</p>
Student Admission and Support	<p>Each step in Traditional procedure for making admission was done via the well-defined Integrated ERP software system, and it is as follows: This ERP form is used to collect the applicant details, along with various course choices for a candidate. Candidate after finalizing his/her program, gets application through this ERP form. Filled in Application along with attached documents will be verified manually by a team (Offline). In this ERP form, admission for the candidate will be done and admission number will be generated for the candidate. Through Fee Collection form in ERP, fee for the course will be collected. A chat bot is available in the website which assists the students.</p>
Examination	<p>The entire Academic administration is completely automated using an ERP system. With respect to managing</p>

examination related activities, there is a sub-module in ERP namely EAS(Examination Automation System) which facilitates activities such as (i) Online entry of Continuous Assessment(CA) marks (ii) Generation of exam application forms and payment of exam fees online (iii) Generation of Hall tickets, Attendance, Hall numbers and seat allocation (iv) OMR marks capturing and Marks processing (v) Publication of results through students ERP portal (vi) Mark sheets generation and Online certificate verification etc.

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
No Data Entered/Not Applicable !!!				
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 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)
No Data Entered/Not Applicable !!!						
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
No Data Entered/Not Applicable !!!				
View File				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
118	118	52	52

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
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6.4 – Financial Management and Resource Mobilization

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

VISTAS accounts are audited regularly by both internal and statutory audits. The Accounts of VISTAS are Audited by reputed Chartered Accountants every year and audit report under Section 12A (b) of Income Tax Act, 1961 in Form 10B are duly submitted. The Audit process includes - Ensuring proper books of account have been kept by the head office and the branches of the trust/institution and examination of the books, and proper Returns adequate for the purposes of audit. - Obtaining all information, explanations and confirmations which are necessary for the purposes of audit. - Examination of the balance sheet and the Profit and loss account for the year ended which are in agreement with the books of account maintained by the said Trust or institution - Verifying whether all financial information are duly maintained in compliance with all Acts that are required by the institution to oblige with. • The annual accounts are prepared, published and audited by our statutory Auditors, M/s Vairavanathan Co, Chartered Accounts, Chennai • Internal auditors were M/s N K Rajendran Chartered Accounts, Chennai • No Major findings/ objections • Audit observations are compiled with after detailed scrutiny to the satisfaction of the audit team and precautionary steps taken to avoid recurrence of such errors in future. • Resources have been permanently appointed and a team of staff under External Auditor do a thorough check and verification of the vouchers of the transaction that are carried out in each financial year. Likewise external audit is also carried out elaborately and the Books of Accounts are certified.

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
No Data Entered/Not Applicable !!!		
View File		

6.4.3 – Total corpus fund generated

150000000

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	Nill	Yes	Nill
Administrative	Yes	Nill	Yes	Nill

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)

The Parents and Teachers Association is one of its kind, which helps formally and informally in many development initiatives of the Institute. The Employee referral is an important mode for getting Internship, Industrial Visits, Internship and Placement. Therefore Internships and projects were provided to deserving students through PTA. Industrial Visits are often arranged by Parent

references. The Parent's corner in VISTAS website assists the parents to know their wards progress in terms of attendance, CA marks, status of fee, etc. Parents are also connected with the Class in -charge in a Whatsapp group for any updates regarding the students progress in academics, thereby they become very friendly to the faculty and help them on voluntary basis for the upliftment of the Institution.

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

Safety Training and first aid was given to all vehicles drivers through Apollo Shine Medical Officers. Yoga classes were conducted for all of them. Non teaching staff were given opportunity to pursue higher education like Ph.D (Sarika -Ph.D in Management Studies). Training regarding personal health and hygiene was arranged. Psychological counselling is available on the campus for personal wellbeing. Behavioural training was conducted on Stress and Time management. The hotel and Catering Management department rendered training to interested support staff in events like Tamil Nadu Housekeeping Association Workshop, Icing and Piping Techniques, Bartending Workshop, Healthy Diet - Chef Day.

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

- Innovative new Programs namely BSc (Media Technology), BSc (Visual Effects), Diploma (Visual Communication for VFX) and MSc (Culinary Arts) were started.
- NBA - SAR prepared and submitted for MBA, BE (CSE), BE(Mech), B.Pharm, BE(Marine).
- The foundation for a new building comprising of 6819 sq.m was laid
- Demand Ratio has been increased from 1:1.28 to 1:6
- Equipments like Raman Spectroscopy worth 7 crores were added to the Central Instrumentation Facility
- Research Projects worth Rs 4 crore was sanctioned in 2018-2019
- 509 consultancy work was carried out to the tune of Rs 5.3 lakhs.
- VISTAS Seed Money for 44 Mini projects to the tune of 44 lakhs during 2018-2019 was provided.
- Scopus Publication in the year 2018-19 was 690.

6.5.6 – Internal Quality Assurance System Details

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

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
No Data Entered/Not Applicable !!!					
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
Organic Farming	01/06/2018	31/05/2019	36	15

International Women's Day	07/03/2019	07/03/2019	678	22
Self Help Group- Bazzar	09/07/2018	09/07/2018	586	314
Boundaries	18/03/2019	18/03/2019	11	4

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
50.41

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Provision for lift	Yes	20
Physical facilities	Yes	25
Ramp/Rails	Yes	25
Rest Rooms	Yes	30
Scribes for examination	Yes	4

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
2018	1	4	09/07/2018	4	Swachh Bharat Summer Internship Training program	Advantages: To create awareness campaigns including removal of plastic and awareness about Dengue and Malaria at Kovilambakkam and Nanmangalam Village at Chennai. Disadvantages: Insufficient dustbins	75

						to dispose the garbage.	
2018	2	2	15/08/2018	1	Independence Day Celebration	Advantages : To create unity in diversity among the public	50
2018	1	1	23/08/2018	1	Plastic Awareness Rally	Advantages :To create the awareness stop usage of plastics	300
2018	1	1	20/09/2018	1	Distribution of Tablets from Government	To create the awareness about communicable disease and we distributed the tablets to the society	100
2018	1	1	02/11/2018	1	Distribution of NILAVEMBU KUDINEER	To create the immunity against the dengue virus	200
2019	1	1	25/01/2019	1	National voters day	Advantages: To create awareness among the students for importance of voting and 100 percent polling. Disadvantages: Heavy traffic	32

						during time of rally.	
2019	1	1	26/01/2019	1	REPUBLIC DAY CELEBRATION	To create unity in diversity among the public	50
2019	1	1	11/02/2019	1	"Blood Donation Camp" in VISTAS Health Club Activities	Advantages: It helped to collect 350 units of blood to meet the emergency demand at ESI hospital. Chennai. It helps in finding health status of students and faculties involved. Disadvantages: Due to non-compliance 4 students were rejected to collect	120
2019	2	4	12/02/2019	1	VOTERS MACHINE AWARENESS DAY	To create awareness about voting machine	75
2018	1	1	02/12/2018	1	Distribution of Gaja Cyclone Relief Funds	To help the Cyclone affected people	100

[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)
Code of conduct in student calender	01/06/2019	The student Oreintation Program on Human values and professional ethics will be conducted in the beginning of the every academic year. Eminent personalities will address the students to inculcate the human values and professional ethics in them. Newly Joined faculty also will be oriented through Faculty Development Program in the beginning of the academic year to inculcate the code of conduct.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
International Yoga Day	21/06/2018	21/06/2018	400
Chennai International Youth Fest'18	01/09/2018	15/09/2018	500
Teachers Day Celebrations	05/09/2018	05/09/2018	700
Gandhi 150th celebration	01/10/2018	01/10/2018	550
VELS FAMILY DAY	07/10/2018	07/10/2018	3000
National Education Day	11/11/2018	11/11/2018	500
Citizenship Training Camp	07/01/2019	11/01/2019	600
Pongal Vizha Celebration	11/01/2019	11/01/2019	600
Cancer Awareness Day	04/02/2019	04/02/2019	150
National Science Day	18/02/2019	28/02/2019	500
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

I. Energy Conservation • Energy efficient Light Emitting Diodes (LEDs) bulbs and tube sets (40 watts) in the installed in various places of the campus replacing Fluorescent, Sodium Mercury Vapor Lamps. • The faculty members, administrative staff and students are sensitized to use electric power judiciously. • Provisions of master switch to all the classrooms to enable to

switch off all fans/lights at the end of class work have been made in the University

II. Use of Renewable Energy The University has taken initiative to install Solar Panels for usage of renewable energy

III. Rainwater Harvesting Rainwater harvesting systems are in operation in most of the buildings of the University. Both roof water and storm waters are harvested for various uses and recharging the groundwater.

IV. Clean and Green Campus. • Regular cleanliness drives are undertaken by the NSS volunteers, NCC cadets besides the students and teachers of all the departments. Also, various programmes related to Swachh Bharat Abhiyan are organized in the campuses. • Proper waste disposal measures are taken particularly in the campus. Dustbins are placed at appropriate places. Use of plastic bags is banned in the campuses. • Chemical and biological hazardous waste (both liquid and solid) generated from laboratories of various Schools are disposed-off properly with necessary precautions. • Regular Tree plantation programs are conducted and lot of trees planted inside and outside the campus.

V Solid Waste Management : The waste is generated by all sorts of routine activities carried out in the University that includes paper, plastics, glass, metals, foods, etc. The waste is segregated at each level and source. The administrative supervisor in each block ensures that the waste in each floor is collected at designated time intervals. The Maintenance workers in each floor collect, clean, segregate and compile the waste in the dustbins (Green and Blue) provided at each floor. The floor dustbins are emptied in movable containers/dustbins provided for each block and is taken to the dumping yard provided by the institution. The institution has contacted an authorized vendor who collects the waste from the designated place, segregates them, recycles them and disposes them at the landfills authorized by the government.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. Title of the Practice Institute Industry Interaction 2. Objectives of the Practice The objective is to enable the Undergraduate and Postgraduate students of VISTAS employable in the Industries and to develop enough skill to start their own business. Higher Education Institutes(HEI) in India are producing increasing number of graduates and post graduates. Their skills do not match with the expectations of Industries. Better interaction between institutions and industries is the need of the hour to close the gap between the expectation and availability. This will have great bearing on the design development of curriculum. Exposure of industrial atmosphere to students will enhance the subsequent placement of young graduating students in industries across the country.. Also, there is an urgent need to prepare the students for jobs in multinational companies, by exposing them to newer technologies and methodologies. 3. The Context Challenging issues that needed to be addressed in designing and implementing this practice are listed below: • Industries do not want to spend their resources on training the students • Industries do not allocate enough budget for in-house RD • Industries prefer to import and market the products instead of manufacturing the products. • Training the faculty to teach courses relevant to Industries • Introduction of new courses due to obsolescence in engineering products. • Absence of aptitude to industry related modern courses 4. The Practice VISTAS has signed MoU with large number of Industries. For each MoU, a Single Point of Contact(SPoC) is identified and the goals of MoU are realized. The progress of the activities are monitored by IQAC periodically. Details of Institute Industry Interaction are listed below: • Students of VISTAS can undertake the final year projects with a joint supervisor from the industry • Experts from Industry participate in curriculum design which plays a significant role in preparing the students ready for

industries • Establishment of VISTAS-Industry Partnership /interaction Cell. • Arranging visits of student and staff member to various industries. • Professional consultancy by the faculty to industries. • Testing of industrial prototypes by faculty at VISTAS laboratory. • Collaborative Degree Programmes. • Industrial problems for research. • Employees of Industries pursuing Ph.D. program at VISTAS • Short-term assignment to faculty members in industries. • Visiting faculty/professors from industries. • Professorial Chairs sponsored by industries at the Institute. • RD Laboratories sponsored by industries at the Institute. • Scholarships/fellowships instituted by industries at the Institute for students. • Collaborative research • Organizing symposia and workshops with joint participation of faculty and industrial experts For example interaction is intense with the following agencies and industries: 1) IBM, a US computer, technology and IT consulting corporation interact with Department of Computer Science and Engineering 2) EinNel Technologies – Research Development Centre is an engineering solution provider in the field of Automotive, Aerospace, Energy, Oil Gas, Bioscience and Computer Science interact with Department of Computer Science and Engineering Calibsoft Technologies Pvt. Ltd, developer of software solutions interact with Department of Computer Science and Engineering 3) The National Institute of Ocean Technology (NIOT),Chennai interact with Department of Electronics and Communication Engineering 4) Par Pharmaceutical, headquartered in Chestnut Ridge, New York.interact with School Pharmaceutical Sciences 5) Areete Life Science Pvt. Ltd. a renowned manufacturer of ayurvedic products interact with School Pharmaceutical Sciences 6) Sun pharmaceutical industries limited interact with School Pharmaceutical Sciences 7) Stannis Institute of Allied Health Sciences interact with Department of Biochemistry 8) Tamil Nadu Steel Tubes Ltd interact with School of Management Further details of interaction with Industries are enclosed. 5. Evidence of Success IBM PRIVATE LIMITED is focused in VISTAS on the followingactivities, ? Collaborative course B.Tech IT (Cloud and Mobile based Application Development). ? Collaborative course MBA(Business Analytics) ? Provide support for curriculum development of courses. ? Training services for the chosen modules through IBM Personnel or designated IBM business partners. • IBM has installed the following software tools at VISTAS for the students of MBA(Business Analytics) a) Predictive Analytics b) Cognos insight c) Descriptive Analytics d) Infoshere Big Insight IBM has also installed Cloud Computing lab at VISTAS for the students of B.Tech(IT) Typical Results: • Every year, nearly 2000 students get opportunity to do internship/project at industries. • Due to internship at Industries, students are automatically placed. • Faculty with PhD degree are busy with consultancy projects, thus offering solutions to Industries (List is uploaded). • PhD scholars take up real field problem as topic of research. Real time data is made available for meaningful research. The Management has set up incubation centers with uninterrupted power supply, internet facility and AC facility. The following industries are active at Incubation Center: Cabin No Incubatee

Company Name	Area of Research Development
1 SI Tech	VLSI
2 MinMukil Technologies	Embedded Systems
3 Cybernexa Infotech Pvt Ltd	Software Development
4 Calibsoft Technologies	Software Development
5 Weeroda Technologies	Software for Supply Chain Management
6 NammaCart Solutions Pvt Ltd	ERP
7 Future Industries	3D printing PCB prototyping
8 ABE Semiconductors Pvt Ltd	Embedded Systems
9 ABE Semiconductors Pvt Ltd	Embedded Systems
10 Waste is Gold Technologies Pvt Ltd	Bio-Manure from Solid waste
11 Global Consultancy Pvt Ltd	Hotel Management
12 Sri Sakthi Engineering Works	Machines Design
13 Mirrar Innovation Technologies Pvt Ltd	Augmented Reality
14 Livewire Technologies	IT Support and Services

The following products are realized in short time: a) Home automation system b) Smart energy system c) Building power conservator 5. Problems Encountered and Resources Required Industries shy away from interacting with academic institutions. Research culture is not satisfactory in industries. Very few industrial employees pursue PhD as part time scholar. However due to initiative taken from VISTAS, as part of Consultancy projects,

Senior faculty are busy in solving industrial problems. Best Practice 2 MENTOR MENTEE SYSTEM AT VISTAS Objectives of the Practice Mentoring of students is a very important aspect of student support activities at VISTAS and aids in the holistic development of students. The Practice The Mentoring Process at VISTAS starts with allocation of students to faculty mentors as soon as the academic session commences. The faculty who is either a class in -charge or faculty handling a course for students is assigned as mentor to such students. Each faculty is assigned with 15 to 30 students as mentees whom they meet minimum once in a fortnight to discuss and understand their issues and difficulties. Mentoring is done on several aspects ranging from Personal Issues, Academic Issues to Career counselling Mentoring on Personal issues Students of VISTAS form a typically heterogenous group and they have personal issues of varied dimensions. The Mentors initially map the background of students allotted to them to understand them better. Mentors closely monitor their mentees for any intrinsic problems faced by them in their personal or familial space and offer them suitable guidance or talk to the parents if necessary. The problem may range from financial constraints of the parents, addiction of the mentee towards social media, inability of the mentee to focus and concentrate on studies because of relationship issues, health issues, other hobbies or interests not related to their goal. Mentoring on Academic issues VISTAS being a multidisciplinary University catering to diverse students, the learning styles of students vary to a great extent. Mentors come to the rescue of students who have difficulty in matching to the benchmarks of academic rigour set forth by VISTAS. Mentors help the students and connect them with their peers and seniors so that through this networking they would be able to perform better. Mentors also identify specific areas where their mentees have not fared well and support them by getting help from the faculty concerned in the form of extra reading material, remedial classes etc. Also, Mentors identify highly aspiring candidates and nurture them to present research papers in conferences, publish articles, represent the University in various curricular and co-curricular activities in their domain like participation in Hackathons, Business Plan Contests, Quiz etc. Career Counselling Mentors identify the skill sets of the mentees and prepare them for transition from student life to that of a member of workforce of an organisation. This support is given by encouraging the mentees to take up additional online courses related to their domain, conduct of periodic Group Discussions, Mock Interviews and also guidance for preparation of Resumes. Mentors discuss career plans of the mentees. Complicated cases are further referred to Medical experts. The Mentoring system has been very effective to the extent that VISTAS has not faced any student issues of substance- usage as they have a mentor to confide with. Evidence of Success More than 10000 students are pursuing UG or PG Programs. No major problems like suicide, leaving the course, law order problems etc are encountered. There is peace in the campus. Problems Encountered and Resources Required In every class, we have fast learners as well as slow learners. For fast learners, we offer additional NPTEL/SWAYAM courses. For slow learners, we conduct remedial classes.

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

<http://www.velsuniv.ac.in/NAAC/Criteria/7.2c.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

Digital Initiatives at VISTAS-Empowering the Students 1) Why Digital Initiatives is the thrust area? Discovery of Computers and networking of computers has changed the life style of all of us. Knowledge in the usage of

computer is necessary for comfortable living. Students should be empowered with Digital techniques in order to enhance their employability. University Grants Commission has also directed all the Higher Education Institutions to implement e-governance immediately. Hence Digital Initiatives is a thrust area at VISTAS.

2) Empowering students in Digital Techniques Basics of Computer Science is a compulsory course in the first semester of all the UG Programs. Students are trained in the usage of Microsoft Office software tool. Students undergo further training in ERP-SAP and TALLY as detailed below for enhancing their employability. ERP-SAP Almost all the organizations are turning to some sort of Enterprise Resource Planning (ERP) package as a solution to their information management problems. Hands-on training in ERP will empower the graduating students to be industry-ready. ERP using SAP modules are used by more than 11,700 companies around the world. Collaborating agency Vels Institute of Science, Technology and Advanced Studies (VISTAS) has become a SAP University Alliance Partner under SAP's University Alliances Program and is allowed to access and use SAP Products hosted by Victoria University Competency Centre (UCC) for conducting a certificate course on ERP-SAP. Methodology Students of Engineering, Management, Commerce, Computing streams will be taught on intricacies of ERP using SAP by well qualified and trained faculty. 400 user-id and passwords are allotted by Victoria University to VISTAS students for accessing ERP-SAP server of Victoria University. Duration of the course is 45 hours. TALLY TALLY, essential accounting software has been known for its best in financial applications and accounting systems. TALLY has been greatly used in calculating monetary terms, accountancy, tax and GST calculations. IEMS (Integrated Environmental Management System), Chennai is the collaborating agency. Highly experienced faculty from IEMS conduct the course at VISTAS lab for the students of Commerce and Management streams. 3) E-Governance at VISTAS ERP is being used at VISTAS for managing Accounts, Administration, Examination wing and Admission process. ERP software has links with our website www.velsuniv.ac.in Recently Parent Corner facility is added in our website. Parents can monitor the attendance details and performance details of their wards. E-content for various courses are available in INTRANET Server. VISTAS Library can be used for reading e-journals and e-books. Students and faculty can also log-on to National Digital Library. 4) National Academic Depository VISTAS has signed MOU with CDSL as part of our Academic Depository Activity. Certificates of the students are kept in cloud and the required certificates can be downloaded from anywhere in the world at any point of time with complete safety measures.

Provide the weblink of the institution

<http://www.velsuniv.ac.in/NAAC/Criteria/7.3b.pdf>

8.Future Plans of Actions for Next Academic Year

1) To secure better position in the NIRF at University level 2) To obtain NBA Accreditation for various programs offered in a phased manner 3) To provide students with option of carrying out 20 courses through Swayam / NPTEL 4) The curriculum will be structured such that the core course component makes up around 50 percent and opportunities for multi-disciplinary diversification through electives are maximised. Already UG and PG programmes are conducted in collaboration IBM, a leading industry. More such programmes will be conducted in collaboration with other leading industries 5) Audio-Video capsules will be prepared for all the courses by the faculty and stored in INTRANET server. Students and faculty will be able to access and strengthen their knowledge base thus establishing Classrooms Beyond Walls 6) Online Exams will be introduced 7) Existing Incubation centre will be further strengthened thus creating an Eco-system wherein at least 10 of the students become entrepreneurs who can have their start-up and rest of them are placed in reputed industries/organizations. 8) To increase the Institutional Patents and to operationalize all the MoUs

signed 9) To increase the citation index and H- Index for publication 10) To tap non-governmental agencies for funding 11) To increase the consultancy services that could be offered to Business houses 12) To achieve goals related to raising the quantum of research output and improving its quality, VISTAS will adopt a multi-pronged strategy addressing the issues of enhancing the number of research scholars and the faculty strength and of augmenting resources. 13) To tap foreign funding opportunities and for Global Immersion programs 14) The adopted Villages to be supported further based on their social issues through the NSS Volunteers 15) To strengthen the Alumni network and to operate more Chapters through out the globe 16) Enhancing the quality of admissions by increasing the demand ratio 17) Overcome Excessive reliance on offline modes of marketing and enhance No Paper Format for admission and Marketing 18) To get NBA accreditation for MBA, BE(CSE), BE(Mech), B.Pharm, BE(Marine)