



Yearly Status Report - 2019-2020

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.	044-22662504
Mobile no.	9962506344
Registered Email	vistas@velsuniv.org
Alternate Email	vc@velsuniv.ac.in
Address	Velan Nagar, P.V.Vaithiyalingam Road, Pallavaram, Chennai
City/Town	KANCHIPURAM
State/UT	Tamil Nadu
Pincode	600117

2. Institutional Status																			
University			Deemed																
Type of Institution			Co-education																
Location			Urban																
Financial Status			Self financed																
Name of the IQAC co-ordinator/Director			Dr.S.Arun																
Phone no/Alternate Phone no.			04422662503																
Mobile no.			9962506209																
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/IOAC-AQAR-Report-2018-2019.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. Accrediation Details																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <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> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	A	3.01	2019	28-Mar-2019	27-Mar-2024
Cycle	Grade	CGPA	Year of Accrediation	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"> <thead> <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> </thead> <tbody> <tr> <td>Seminar on NAAC Framework Perceptions</td> <td>11-May-2020 1</td> <td>695</td> </tr> </tbody> </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	Seminar on NAAC Framework Perceptions	11-May-2020 1	695					
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Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries																	
Seminar on NAAC Framework Perceptions	11-May-2020 1	695																	

Webinar on NBA Process	08-Mar-2020 1	695
Hands on workshop on How to use Urkund	03-Feb-2020 1	695
FDP on Innovative Pedagogy	24-Jun-2019 6	695
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
Nil	Nil	Nil	2020 0	0
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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View File](#)

10. Number of IQAC meetings held during the year :

2

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

Yes

Upload the minutes of meeting and action taken report

[View File](#)

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

No

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

National Institutional ranking framework's nodal office of VISTAS is the IQAC cell wherein there is significant improvement in the ranking of Pharmacy department to 43rd position and the University was positioned in 101-150 band.

A very important outcome of intellectual property is the patent as it involves innovation and creativity. IQAC facilitated for filing of more than 100 patents out of which 80 patents got published.

IQAC was instrumental in securing NBA accreditation for MBA, B.E Mechanical engineering, B.E Computer Science and Engineering, B.E Marine Engineering and B.Pharm.

School of Maritime Studies recognised by Japanese Scheme of Recognition for Foreign Maritime Education and Training Institutions (METS) by Ministry of Land, Infrastructure, Transport and Tourism, Japan 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

The outcomes of the educational system is viewed by mapping the program educational objectives with program outcomes and program specific outcomes. This is done by an automated system of direct assessment and indirect assessment of the course objectives and course outcomes which in turn is mapped with the program outcomes. The entire process is been facilitated and monitored by the IQAC for finding out the lacuna and recommending for the change in curricular and co-curricular activities.

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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	Achievements/Outcomes
To work for UN sustainable development goals 2030.	Social entrepreneurship, Swachhata and Rural engagement cell was formed in collaboration with Mahatma Gandhi National council of rural education, Ministry of Education, Government of India.
To file greater number of patents.	80 patents got published.
To apply for Atal ranking of institutions on innovation achievements	VISTAS is categorized as 'Band B' institution (rank between 26-50) in the category of university and deemed to be university.
To achieve NBA accreditation.	MBA, B.E Mechanical engineering, B.E Computer Science and Engineering, B.E Marine engineering and Pharm got NBA accreditation.
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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Board of Management	27-Apr-2021

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

Yes

Date of Visit

03-Jan-2020

16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2020
Date of Submission	10-Feb-2020
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</p> <ul style="list-style-type: none"> • 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 <p>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
BE	602	Computer Science and Engineering	01/07/2019
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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
BBA	102	01/07/2019	15BBA109	01/07/2019
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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
BA	English	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
BCA	Cloud Technology and Information Security	01/07/2019
BCA	Data Science	01/07/2019
BCom LLB	Law	01/07/2019
LLM	Constitutional Law and Administrative Law	01/07/2019
LLM	Corporate and Commercial Law	01/07/2019
PhD or DPhil	Education	01/07/2019
MSc	Information Technology	01/07/2019
BBA	BBA LLB	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
Android Mobile App Development	13/09/2019	14
View File		

1.3.2 – Field Projects / Internships undertaken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	ECE	491
View File		

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

Stakeholder feedback forms and formats are developed based on faculty reviews, alumni feedback, student feedback, course exit surveys and end semester survey. Faculty feedback from students for each course is collected twice a semester on various teaching/learning aspects, students provide input on teachers based on nine teaching learning process criteria namely, timely completion of syllabus, regularity and punctuality, teacher preparation of lecture, inviting your involvement and engagement in class, quality of lectures, hand-outs, references, web resources and support material given, and availability and accessibility of the teacher outside of class, answer scripts and assignments are graded on a four-point scale to determine the comprehension of the course. Data is collected electronically and analysed using VISTAS ERP software. The data / information that has been analysed is then sent to members of the faculty via the Department Heads. Each faculty member examines their own responses to the students feedback. The matter is also addressed in the Departmental Advisory Committee (DAC), which takes necessary actions and provides recommendations to enhance the teaching-learning process via DAC, and faculties meeting program with Vice-chancellor and IQAC, faculty members provide input on teaching-learning, study, and administration activities. The teachers suggestions are forwarded to the relevant bodies for implementation. Student input is often received via Faculty-Student Class Committee meetings and the issues presented are addressed at Departmental Advisory Committee meetings on a regular basis. Course exit feedback and curriculum exit feedback are used to assess students comprehension abilities. At the end of the program, feedback on the infrastructural facilities is collected from final year students in order to improve the lab facilities, if any. The resulting feedback is analyzed in order to make improvements. Parents feedback is obtained by engaging with them at Parent Teacher Meetings. Alumni feedback is solicited for program recommendations and enhancements. Feedback from final-year students is collected for feedback on how to improve the curriculum, and it is forwarded to the BOS, Academic Council of the respective departments of VISTAS. Faculty feedback is often taken into account when revising the syllabus. The corporate feedback is also gathered. A mechanism in place to collect input on infrastructure from students as well as subject-expert teachers. This is a 5-point scale feedback that tests criteria such as subject awareness, expression, teaching aids used curriculum, and other factors that are analysed by our management in order to make reasonable decisions about infrastructure and teacher quality. Both students are asked to provide alumni input and exit feedback. The correct teaching learning mechanism is ensured in place by looking at these types. This process also allows the institute to improve in areas where it is required. Senior faculties and subject experts evaluate junior faculties every semester and advise the faculties about how to improve their skills. Feedback is a crucial method for ensuring continuous improvement of educational quality which analysed and implemented to meet their needs.

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
BBA	Business Administration	180	1974	179

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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	10473	1330	586	110	696

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
696	696	18	275	13	40
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 heterogenous 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
11913	696	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
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696	604	92	92	315
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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 . R . Anandan	Professor	Best Paper Award, Lincoln university, Malaysia
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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year- end examination	Date of declaration of results of semester- end/ year- end examination
BBA	101	I	07/12/2019	31/12/2019
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
77	11713	0.65

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://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
101	BBA	Business Administration	158	130	82.28
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2.7 – Student Satisfaction Survey

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

http://velsuniv.ac.in/NAAC/Criteria/SSS-2019-20.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. P. Senthil Selvam	Distinguished Academician Award at 58th IAP conference	03/08/2020	Indian Association of Physiotherapists, Chennai.
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
Junior Research Fellowship	1825	University Grants Commission
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
Major Projects	1095	DST-MES	64.43	64.43
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
Innovative Product Design using Arduino	EEE	17/06/2020
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
Best Paper Award	Best Paper Award	Lincoln University, Malaysia	15/07/2019	Faculty
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
Vels Technology Business Incubation Center (VTBIC)	Dr. Magesh Kumar	CARD, VISTAS	Calibsoft Technologies Private Limited	Software Development	11/10/2020

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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Microbiology	2
Computer Science Engineering	10
Chemistry	4
Mechanical	4
School of Management	10
Biochemistry	5
Mathematics	1
Electronics and Communication Engg	5
Tamil	1
English	5
Computer Applications	23
Commerce	7
Pharmacy	13
Physics	1
Biotechnology	2
Master of Business Administration	13

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	Biomedical Engineering	15	5.87
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
Computer Science Engineering	20
View File	

3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
A Method to Enhance Blood Brain Barrier Permeability of Curcumin	Published	201941045090	15/11/2019
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
The exploring strategies for reducing occupational stress of female physiotherapist	Indira K., Suganya R.V., Vetrivel M.	Indian Journal of Public Health Research and Development	2019	0	Department of Commerce, Vels University (VISTAS), Pallavaram, Chennai, India	3
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
The exploring strategies for reducing occupational stress of female physiotherapist	Indira K., Suganya R.V., Vetrivel M.	Indian Journal of Public Health Research and Development	2019	36	3	Department of Commerce, Vels University (VISTAS), Pallavaram, Chennai, India
View File						

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	116	233	99	108
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)
Chemistry	Creamy Liqueur	Lux Flavours	700000
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
Management Studies	ISO 9001: 2015 QMS Compliance	HE-MAN Engineers	1800000	50

[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
Women Empowerment - Self Help Group Bazaar	Pallavaram Women Self Help Group	300	100
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
Republic Day Parade camp	Appreciation for Participation	Tamilnadu state NSS cell, Directorate of collegiate Education, College road, Chennai	30
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
NSS	Pallavaram Women Self Help Group	Women Empowerment - Self Help Group Bazaar	30	100
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
Internship	S. Joel Durai Sing	MEDOX Biotech India Pvt. Ltd.	16
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	Duration From	Duration To	Participant

		details			
Industry	Internship	Vishnu Cars Private Limited	12/02/2020	20/02/2020	12
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
Salem University, USA	13/03/2019	Research	4
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
2050	2067.91

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	103621	36593805	5605	2251623	109226	38845428
Reference Books	14315	8901364	572	500710	14887	9402074
e-Books	145148	Nill	2377	484653	147525	484653
Journals	369	Nill	5	1640966	374	1640966
e-Journals	12462	Nill	73	3213073	12535	3213073
Digital Database	5	Nill	4	590875	9	590875
CD & Video	5209	177860	25	Nill	5234	177860
Library Automation	1	89200	Nill	Nill	1	89200
Weeding (hard & soft)	Nill	Nill	Nill	Nill	Nill	Nill
Others(s pecify)	3	Nill	Nill	13570	3	13570

[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
Dr.S.Subbulakshmi	Musical Instruments Karnatic	SWAYAM	07/04/2019

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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	2622	46	2400	9	46	6	4	1100	12
Added	182	0	300	0	0	0	0	0	0
Total	2804	46	2700	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
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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
950	907.42	700	680.76

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	1846	35162372
Financial Support from Other Sources			
a) National	Government Scheme and Non Government Agencies	85	2294220
b) International	Nil	Nil	0
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
SAP	18/07/2019	1967	Victoria University, Australia
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 passed in the comp. exam	Number of students placed
2020	Guidance for Competitive Examination and Career Counseling	1985	7126	22	1547

[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
3	3	4

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
Ashok Nandavanam	216	50	Wipro	216	3

[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	1	MBA General	Management Studies	University of North Texas	MSC Business Analytics

[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
GATE	1
CAT	1
TOFEL	2
Any Other	17

[View File](#)

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

Activity	Level	Number of Participants
Kerala Food Festival	National	75

[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
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2019	Winner - SSN Trophy - Football	National	1	Nill	17127101	Ajeesh
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 the following committees for decision-making: • Anti-Ragging Committee • Students Affairs Advisory Committee • Internal Complaint Committee (Prevention of Sexual Harassment Committee) • Grievance Redressal Committee • Sports Committee • Hostel Advisory Committee • SC/ST/OBC Grievance Committee • Cultural Committee • Women Welfare Committee • Equal Opportunity Cell

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

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:

612

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

735000

5.4.4 – Meetings/activities organized by Alumni Association :

12

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

VISTAS promotes the culture of participative management at all levels. The decision making process is quite decentralized with the participation of all stakeholders. A case study showcasing the practice of decentralization and participative management in VISTAS is as given below: • The class committee comprising of students, faculty members and HOD give inputs to Board of Studies (BoS). As the students are the most important stakeholders 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. • The Board of Studies comprising of members from the alumni, industry, students and academic experts, industry experts looks into the pros and cons of the issue raised and gives request like revision of a course, academic requirements as recommendation to the Academic Council through the Dean (Academics). • Every member is free to express their views and opinions within their limits. However, the decision of the chairperson of the organizational unit remains final and binding. • The BOS recommendations are forwarded to Dean Academics for versioning and monitoring and the same is placed in Academic Council (AC) for approval. • After that the same is forwarded to the BOM for final approval and implementation. The policies, regulations and decisions taken by the Institution involve the active participation of various stakeholders which includes the students, faculty members, Heads of Departments, Deans and Directors. In addition to that, inputs would be received from alumni, industry experts, academic peers and parents. All statutory and non-statutory committees have representation of all the stakeholders. At the Departmental level, the meetings are coordinated by the HoD concerned. At the next level, the meetings are chaired by the Dean concerned and at the Institution level, the meetings are coordinated by the Vice-Chancellor. The Vice-chancellor meets the Deans, Directors and HODs at least once in a fortnight and the HODs convene the Departmental Staff meetings to convey the decisions taken at the Vice-chancellor's meetings. Thus, every stakeholder is permitted to participate in the decision making and implementation processes. Budget preparation starts from the department level in which the faculty members prepare the budget and the Heads of Departments consolidate it for finalizing it, which in turn is deliberated and approved by the Finance Committee. Faculty members have due representations in all the bodies such as the Board of Studies, Academic Council, Board of Management and Planning and Monitoring Board. Every department in the Institution takes into cognizance the feedback of all the stakeholders such as students, parents, employees, peers, course instructors, course coordinators and invites suggestions and modifications on a regular basis. Three faculty members serve on the BOM and more than 90 of Academic council members are VISTAS faculty. Moreover, the entire governance of the Institution happens through different committees of Teachers and

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	Students' admission is an important criterion which needed a On line mode with complete transparency and reach. A NON-PAPER FORM was introduced which was complete in dedicated ERP system. The demand ratio for the courses increased. The Vels Scholarship Admission Test or V-SAT is conducted for admission into the 100 programmes which are offered at the VISTAS. The admission test is conducted in online mode by the conducting body. Through the Vels Scholarship Admission Test, VISTAS

identifies a total of 500 exceptional students in the state of Tamil Nadu who are granted a 100 scholarship in tuition fee if they wish to pursue one of the 100 programmes that the VISTAS offers.

Industry Interaction / Collaboration

VISTAS has signed MoU with a large number of Industries and Single Point of Contact (SPoC) is identified. The progress of the activities are monitored by IQAC periodically. Details are : 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 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: Industrial problems for research Research oriented employees of Industries pursuing Ph.D. program at VISTAS as part time research scholar Organizing symposia and workshops with joint participation of faculty and industrial experts

Human Resource Management

Employee E service Portal: e Governance: VISTAS has tied up e-Varsity - ERP to ensure digitization of all its data. The staff profile is maintained in an electronic manner: On joining the Employee ID is created for every Faculty in the ERP. After the Individual faculty enters the details in their respective profiles, it is approved by the HOD. Data are drawn for various analyses from these reports. The functions of the statutory bodies and the Service Rules, Procedures, Recruitment and policies are provided in the HR Manual. The promotion for administrative position is based on Merit as well as Seniority.

Library, ICT and Physical Infrastructure / Instrumentation

The VISTAS Library is automated with LIBGENIE, an Integrated Library Management Software Package, with all modules. The University has a total built-up area of 1,15,171 sq.m. and 6,842 sq.m was added between 2017 and 2019. The University has academic infrastructure facilities as per the Statutory Bodies norms such as AICTE, PCI, NCTE, BCI, UGC etc., The Teaching-Learning process is student-centric

focusing on LMS, KMS, Blended Teaching, flipped classroom model and e-Resources through Moodle. There are 275 LCD projectors Smart Class Rooms for this purpose. All the NDL e-Resources are linked with the cell phone of students / teachers who have registered themselves. Lecture Capturing System is facilitated through Moodle Platform. Virtual Learning Centre and eKnowledge Resource Centre are effectively feeding the students. Vels Subject Gateway Digital Portal provides access to MHRD Digital Initiatives such as SWAYAM, ePGPathshala, CEC, e-VidyaMitra, e-Kalpa, e- Acharya etc There are 342 class rooms, 173 laboratories. Apart from the sophisticated and State-of-Art Laboratory equipment, we are having Full Mission Bridge Simulator and Ship-in-campus for Marine and Nautical students. Each Department has having ICT facilities like, Laptops, Desktops and supporting gadgets, Internet facilities, Wi-Fi etc.,

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 the society and nation. In order to quantify the outcomes and value of the significant inputs that go into research at the University, the following deliverables are to be generated continuously: 1.New Corpus of Knowledge through Research Outcomes 2.Extramural Research Projects for generation, extension and augmentation of knowledge Research Publications in prestigious journals 3. Patents as generation of new knowledge 4. Technology Transfer for meeting societal needs and application to real life problems Impetus to Entrepreneurship for self-employability

Examination and Evaluation

The department coordinators conduct continuous Internal Assessments(CIA) for their department students and during the even semester, they conducted CIA through Google classroom and used Google meet for monitoring purpose. As a marked quality improvement, the entire even semester examinations were conducted as remote proctored online examinations. Question papers were randomly generated for students from the well prepared

question banks. As per the direction of UGC, the University has been conducting Ph. D viva-voce examinations through video conferencing mode. Since examinations were conducted online, students' answers were uploaded as images in the portal and made available for valuation at anytime and anywhere.

Teaching and Learning

Teaching plans are based on an academic calendar. Multimedia teaching aids and ICT supplement the teaching-learning process. Some of the activities are Class seminars, Guest lectures, ICT based teaching, dictations, study tours, use of Language Lab for developing soft skills of English language, Providing Computer Lab, Network Resource Centre in Library, Lectures of Renowned Scholars, Parents-teachers meeting, Feedback forms from students regarding the teaching of the Teachers, Organization of lecture series, seminars through persons from various Professional Associations. Student-centric learning environment through group discussions, question-answer sessions, audio/visuals, quizzes and project/scientific paper presentations are implemented in almost all courses.

Curriculum Development

VISTAS follows a systematic process in the design and development of the curriculum, which involves high level of participation, discussion and critical inquiry involving all the stakeholders contributing to the introduction, innovation, and revision of the syllabi. The design of curriculum is based on Choice based Credit System (CBCS) and Learning Outcome based Curriculum Framework (LOCF) which focus on present trends in the respective fields, industry relevant interdisciplinary courses, skill development, Employability and Entrepreneurship courses. After elaborate discussions on the content and organization of the syllabus in the respective Boards of Studies, it will be placed before the Academic Council for deliberations and approval.

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

E-governance area	Details
Planning and Development	The Governance of the Institution is completely transparent through the website, E-mails, Social media and

print media. All the policies and programs are disseminated through the Electronic media. The Newsletter, Celebration's invite is in E-formats. The communication to all the stakeholders is through the web portal and through bulk official mails. The feedback system is completely electronic in nature where the data is analysed, saved and retrieved. The University conducts many community-based programs for the benefit of the society. The details about all these could be viewed in the website and other social media. All philanthropic activities and CSR initiatives are notified through the Electronic Media.

Administration

The Administrative machinery administers through a decentralized setup. The Registrar, Deputy Registrars, Assistant Registrars, Financial Officers are involved in decentralized administration. All the administrative functions come under the overall control of the Registrar. The Policy Procedure Manual is a comprehensive set of Policies and Procedure Instructions has been laid down in the subsequent pages of the HR Manual which aims at attracting, retaining and motivating staff to for advancement in their career with the Institution G -Suite is enabled for all the official mail Ids where the recording of all the on-line events through Google meet is saved in the cloud

Finance and Accounts

We are deploying our resources in a manner which subscribes to norms of financial prudence within the framework of the General Financial Rules. The purchase processes in the procurement of equipment and creation of infrastructural facilities, is approved by the BOM. The Finance Committee is one of the authorities of the Institute which reports to the BOM of the Institute. The Finance Committee examines and scrutinises the budget of the Institute proposed by the Deans/ HoD's of various schools/Departments and considers proposals for new expenditure and make suitable recommendations to the Council. The committee also reviews the finances of the Institute periodically and makes recommendations to the Council on

financial matters. All major capital construction works approved by the Council are regulated and monitored by the Building and Works Committee.

Student Admission and Support

Student Admission is made in a very transparent manner and all the norms are followed in Non paper form from this year. The admissions are through the ERP of the Institute where the career guidance is given by the senior mentors from respective schools .Student representatives participate as members in many of the committees for decision making. The main objective of the Alumni 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. Personality Development and Soft Skills courses are part of the curriculum, thus enhancing Critical Thinking, Effective Communication, Social interaction and Ethics. The Courses are designed to inculcate leadership qualities, entrepreneurship, organizational capabilities and team spirit among students. For the holistic Personality Development, a course on Basic Life Skill is introduced as a two credit course. • Value Added Courses, Certification programmes, Field Projects and Internship are given more importance in curriculum design for skill acquisition and sound practical knowledge to the students to face real-time situations and work at any part of the world.

Examination

The Examination process has been automated with Examination Automation System(EAS) and following are the activities: • Entry of Continuous Internal Assessment (CIA) marks and importing them to EAS module • Preparation of Complete examination schedule • Generation of Examination application forms and Hall tickets • Online exam fee payment • The Even semester examinations (2019 -20) were conducted as remote AI proctored online examinations with random generation of question papers from the question banks. • Students answer scripts were stored on real time basis and answer scripts were evaluated remotely by all the faculty concerned. • Conduct of Ph

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.K.Kalaiselvi	Green Technology IOT	VISTAS	500
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)
2020	Faculty Development programme on Discussion on crisis of COVID-19	TRAINING FOR TRAINERS AND ASSESSORS / VERTICAL INTEGRATION COURSE FOR TRAINERS	29/04/2020	29/04/2020	200	1
View File						

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
FDP on Innovative Pedagogy	695	24/06/2019	29/06/2019	6
View File				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
93	93	58	58

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 have qualified Chartered Accountants (internal Auditors) to supervise the Internal Audit Functions and they ensure that all the procedures set by the Board of Management are strictly followed while carrying out the transactions and vouches if transactions are carried out in the ERP and participate in the purchases initiated by the respective Dean / Directors of the faculty. • The annual accounts are prepared, published and audited by our statutory Auditors, M/sVairavanathanCo, Chartered Accounts, Chennai • Internal auditors were M/s N K Rajendran Chartered Accounts, Chennai • Audit observations are compiled 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
VISTAS	58150	International Conference MBA
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	Senior Professors from other Universities	Yes	Vice chancellor
Administrative	Yes	Madras University	Yes	Registrar

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

NA

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

Parents are always connected with the Class in charge in a What's app group for any community services especially during the pandemic situation.Placements were referred through the PTA and for Industry Institute interaction .New schemes like V-Sat and free admission for Corona Warriors were mobilized through PTA.Projects for final year students were referred through PTA.Feedback was collected from the parents for the conduct of online classes and they got involved in the the monitoring process of their wards attending the classes

regularly and based on the feedback the online examination was facilitated through Android Mobile phones as per the requisition of PTA .

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

Training regarding personal health and hygiene was arranged by Apollo Shine inside the campus and from Thalambur campus Medicos .Psychological counselling is available on the campus for personal well being by a professional Talk Therapist .Acupuncture treatment is made possible in the campus with the practitioner weekly two days .Behavioural training was conducted on Stress and Time management.Career counselling is provided by the teaching community to the wards of Non teaching in a informal way but with a professional outlook.VISTAS appraises non-teaching staff so that they show active participation in day today activities. They are rewarded in terms of appreciation and incentives. The components of appraisal are as follows: Punctuality, Job Knowledge, Integrity, Dependability, Adaptability, Relating to students and faculty

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. 96 Patents got published and more than 100 new applications for Institutional Patents were filed in 2019 -20 NBA Accredited for programs MBA, BE (CSE), BE(Mech), B.Pharm, BE(Marine).Further SSR is prepared for BE (EEE), BE (ECE),BE (Bio Technology) and BE (IT) The new building comprising of 6819 sq.m was dedicated to the infrastructure development Demand Ratio for admission in to various programmes offered in VISTAS increased from 1:1.28 to 1:6 Equipments like Raman Spectroscopy worth 7 crores were added to the Central Instrumentation Facility VISTAS Staff Welfare Society was formed by which Housing facility was enabled to employees of Vels Group of Institutions Admission was given to 300 CORONA Warrior's wards completely free of Tution fees,V-Sat Examination was conducted to provide Huge scholarship for 500 students based on their on line entrance examination score .

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	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	IQAC Meeting	18/12/2019	18/12/2019	18/12/2019	16
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	03/06/2019	30/05/2020	39	16
Gender Psychological Issues- Freshers Orientation Program	06/08/2019	08/08/2019	191	19
Champion Women	27/02/2020	27/02/2020	8	2
International Women's Day 2020	10/03/2020	10/03/2020	726	24
International conference on Gender, Rampage, Femicide and strategical immunity measures	19/12/2020	20/12/2020	179	21

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
65.2

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	25
Provision for lift	Yes	20
Ramp/Rails	Yes	15
Rest Rooms	Yes	20
Scribes for examination	Yes	6

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	1	1	01/09/2019	30	Mass Entrepreneurship Survey	Development of Mass Entrepreneurship.	20
2019	1	1	17/10/2019	1	Workshop on Social Media Marketing	Marketing Strategies through Social	300

					on Women Empowerment	Media and Various financial assistance provided by bank to SHG members	
2020	1	1	14/02/2020	1	Self Help Groups- University Bazaar	A Platform to Market the SHG Members Products	240

[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	01/06/2020	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
BREAST FEEDING AWARENESS Camp	08/08/2019	08/08/2019	250
Photography Exhibition	26/09/2019	26/09/2019	400
VELS FAMILY DAY	07/10/2019	07/10/2019	3000
Conducting awareness program on balanced / healthy diet, maintaining cleanliness / hygiene	16/10/2019	16/10/2019	150
Talent Fest	18/12/2019	24/12/2019	200

Pongal Vizha Celebration	10/01/2020	10/01/2020	700
Citizenship Training Camp	27/01/2020	31/01/2020	700
Kalyana Utsavam of Thirumala Thirupathi Lord Srinivasa	29/01/2020	29/01/2020	400
Vels Nakshatra	02/03/2020	03/03/2020	1500
Oratorical Fest	16/03/2020	16/03/2020	200
View File			

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

I Biomedical Waste Management VISTAS has signed a Biomedical waste disposal agreement with GJ Multiclave (India) Pvt Ltd. G J Multiclave (India) Pvt Ltd establish a common off-site Bio-Medical Waste treatment facility to provide solution for the health care establishments and other clinics. Common Biohazardous waste includes, but not limited to waste containing blood contaminated sharps, human or animal specimen cultures, human surgery specimens or removed tissue, animal parts, tissues, fluids or carcasses, bedding or related personal protective equipment (PPE), waste containing excrement, stocks of microorganisms and biologicals, pathological waste, chemotherapy treatment and any waste mixed with or contaminated by infectious medical waste.

II e-waste management e-waste generation is reduced by going for superior data storing devices. Use of CD is slowly phased out. Old computers and gadgets are collected and disposed of through contract persons. Through green computing, the e.waste is managed in accordance with the guidelines of the Pollution Control Board.

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. 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

V. 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.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1.Title of the Best Practice Continuous Enhancement of Research Activities at VISTAS 2.Objectives of the Practice VISTAS is a research-intensive Multi Disciplinary University that seeks to create and transmit knowledge through

quality research for the benefit of the society, nation and the world. In order to quantify the outcomes, the following deliverables are to be generated continuously: 1 Research Projects for generation, extension and augmentation of knowledge. 2. Research Publications in prestigious journals 3. Patents as generation of new knowledge 4. Technology Transfer for meeting societal needs and application to real life problems 5. Consultancy services from government and non-government agencies

3. The Context Challenging issues: In Research oriented Universities, knowledge creation is as important as that of knowledge transfer. It could be achieved, only by enabling the researchers to stay focused on their core work with a support system helping them to acquire the necessary funding, to procure the required facilities and dedicate adequate time for their research activities. In this context, the support system should also provide guidance for the researchers in preparing suitable project proposals. Since financial support is not available from the Government for Deemed-to-be Universities, Management should allocate sufficient budget to set up research facilities. Management allocated Seed Money Projects and Fund for Mini Projects for Faculty members to carry out the research work.

4. The Practice A Center for Advanced Research and Development (CARD) has been constituted thus establishing a research ambience that facilitates the development of new creative research areas of Global importance in VISTAS. Without any financial support from the Government, Management has established the following research facilities, worth Rs. 9 crores. Central Instrumentation Lab: Owing to the overwhelming response from the research community, by 2019, the centre has been equipped with additional high end sophisticated instrumentations such as Scanning Electron Microscope, Confocal Raman imaging and spectroscopy, Atomic Force Microscopy (AFM), Thermogravimetric Analyzer (TGA), Differential Scanning Calorimeter (DSC), Electrochemical workstation, Contact angle meter, Real time polymerase chain reaction (RT-PCR), UV-Visible spectrophotometer and Fourier Transform-Infra Red Spectroscopy (FT-IR) including Attenuated Total Reflectance (ATR) and Diffused Reflectance Spectroscopy (DRS) modes. Besides the Research scholars of VISTAS, Research scholars of nearby Universities are also using the equipments at Central Instrumentation lab.. Centre for Energy and Alternative Fuels (CEAF) has been established in Feb' 2017 at VISTAS to promote multidisciplinary activities focused on various aspects of energy technology and systems in the form of research, teaching and consultancy. As the budding research centre, the present research activities in the centre are in the form of projects based research funded by various national funding agencies and Industries. By looking into the potential and application of different energy resources from the southern region of India, it is emphasized that the centre gives priority to activities in the field of energy storage systems such as batteries and super capacitors, microbial fuel cells, bio-sensors, alternative fuels and Efficiency of the energy systems etc. The following research facilities are also available for 360 full time research scholars and 600 part-time research scholars, guided by 194 experienced research oriented faculty members.

1. Center for Artificial Intelligence
2. Center for IOT Safety and Health Care
3. Center for Material Research
4. Center for Fish immunology

The activities pursued are:

- Identification of potential researchers from the centers.
- Encouraging them to plan and prepare proposals in the field of their interest in each center
- Examining the proposals for its current relevance in all the above centers in knowledge creation, innovation and societal benefit. Providing Seed money to convert innovative ideas into positive research outputs.
- Researchers who have submitted proposals showing promising outcomes are guided to prepare detailed proposals. During the academic year 2018-2019, Management has sectioned 20 lakhs as seed money . This has resulted in 40 publications, 7 patents and submission of 60 lakhs worth of projects to funding agencies. Faculty with PhD qualification and rich research experience are recruited regularly. 30 of teaching staff are holding PhD degree. Remaining teaching

staff are motivated with fee concession to pursue PhD program. Full time Research scholars are provided with "Vels Research Fellowship". Financial support is provided for publishing articles in Peer reviewed journals. Departments are encouraged to conduct Seminars/Conferences periodically on emerging areas of research. With financial support, Faculty members are motivated to present their research in International Conferences. Filing of patents is facilitated by the Centre for Intellectual Property Rights, for the inventions and designs developed in the projects taken up by the faculty members and students. The Centre provides complete support in terms of running a patent search, conduct of patentability meetings with external members and also in drafting and submission of patent applications.

5. Evidence of Success
A healthy increase in Research Development output is explained through the following table. Table 1 - Outcome of Research on Various parameters for last five years.

S.No	Parameters	2015-16	2016-17	2017-18	2018-20	2019-20
1	Research Publication in Scopus	412	480	512	698	694
2	Patents Published	0	1	1	14	96
3	Consultancy (INR)	16000	49000	73000	2558000	5038000
4	Research Projects (Lakhs)	64.16	160.35	912.6	108	181
5	Number of Research Projects signed	76	133	135	220	275

6. Problems Encountered and Resources Required •
Identifying problems that lead to solution/products for societal cause •
Challenges faced while implementing some of the abstract theoretical ideas into actual practice • In many projects, several government/non-government bodies are involved. • Meeting the requirement of these bodies within the deadline is a real challenge. • Panel of experts in very wide areas of specialization is required. • Specific and sophisticated facilities are required for many projects.

6. Notes (Optional) VISTAS is recognized as RD Institute by Department of Scientific and Industrial Research (DSIR) of Ministry of Science and Technology. IPR Cell at VISTAS is also recognized as nodel centre by Tamil Nadu State Council for Science and Technology.

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Continuous Enhancement of Research Activities at VISTAS
2. Objectives of the Practice
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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/7.2.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-ICT enabled Teaching and Evaluation ICT enabled Teaching and Examination VISTAS has already installed smart board in our classrooms. It enhances the teaching experience and ensures that the learning in classroom is more interactive and participative. We encourage the practice of conducting lectures through audio-video/video conferencing. We are also developing content through YouTube, Proquest LMS, Edu-Tech, Edu-Sat facilities and our students are getting familiar with digital techniques. For example details of usage of Digital techniques at VISTAS are listed below: On Line Classes UG Programs 54 PG Programs: 37 Total number of courses(subjects): 1944 Total number of UG students: 10357 Total number of PG students: 1486 Semester End Examinations and Evaluation in Online Mode: The VISTAS has conducted End Semester Theory Examinations in May 2020 in Online mode. As part of pre-Examination process, Question banks consisting of MCQs and Descriptive questions were prepared for a total of 2582 courses coming under various UG/PG programmes. The entire Examination was manually proctored and more than 350 faculty acted as proctors during the examination. All the Continuous Internal Assessments (CIA) were also conducted in online mode, in which Google Classrooms was used to conduct the test and Google meet was used for monitoring purpose. Online Evaluation: Since examinations were conducted online, students' answers were uploaded as images in the portal and made available for valuation at anytime, anywhere. A total of 495 faculty members participated in the online evaluation process. Massive Open Online Courses (MOOCs) UGC has advised HEIs to teach as many courses as possible using SWAYAM / NPTEL platform. The following courses are offered at VISTAS. S.No Name of the course Department Year Sem Credits Source of Material 1. Cloud Computing MBA Business Analytics II Year, III Sem 3 NPTEL 2. Predictive Analytics MBA Business Analytics II Year, III Sem 3 NPTEL 3. Introduction to Marketing Essentials MBA Logistics Supply Chain Management I Year, I Sem 3 NPTEL 4. Introduction to Strategic Management MBA Logistics Supply Chain Management I Year, I Sem 3 NPTEL 5. Introduction to Corporate Finance Integrated MBA III Year, V Sem 3 NPTEL 6. Introduction to Internet of Things B.E. CSE III Year, V Sem 2 NPTEL 7. Structural Analysis - I

B.E. Civil Engg III Year, V Sem 3 NPTEL 8. Geotechnical Engineering Lab B.E. Civil Engg III Year, V Sem 2 NPTEL 9. Finite Element Analysis B.E.Mechanical Engg/ B.E.Automobile Engg III Year, VI Sem 3 NPTEL 10. Electromagnetic Theory B.E. EEE II Year, III Sem 3 NPTEL 11. Optical Communication B.E. ECE IV Year, VII Sem 3 NPTEL 12. Mechanics of Solids B.E. Civil Engg II Year, III Sem 3 NPTEL 13. Tissue Engineering B.Tech Biotechnology III Year, VI Sem 3 NPTEL 14. Bioenergy B.Tech Biotechnology IV Year, VII Sem 3 NPTEL 15. Basic Electronics B.E. Biomedical Engg II Year IV Sem 3 NPTEL Dr.S.Subbulakshmi, Director, School of Music and Fine Arts, VISTAS has conducted a SWAYAM MOOC course on "Musical Instruments Carnatic". This is a two credit course. Nearly

Provide the weblink of the institution

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

8.Future Plans of Actions for Next Academic Year

1) To strive to become Institution of Eminence for which NAAC A to be achieved immediately to get NBA Accreditation for more programs 2) To get approval from UGC for starting 5 job oriented new Programs and to implement National Education Policy 2020. 3) To start a greater number of add on courses to enhance the employability of the students or to become an Entrepreneur. Improve the employability of students with more skill-based learning and project-based learning 4) To motivate each teaching staff to publish every year at-least two paper in SCOPUS indexed journal which increases the citation Index and H-Index and to reward them appropriately 5) The appraisal of faculty is based on the deliverables in terms of IPR, Usage of ICT in teaching pedagogy and developing socially desirable students. 6) To realize 200 lakhs worth Projects from Government and Non-Government funding agencies 7) To file a minimum of 100 patents and to get it published. To tap for Australian Institutional Patents 8) Strengthening infrastructure by building a new block and to go in for maintain clean and green campus around the clock 9) To coach the students for various competitive examinations and to increase the success rate in it 10) Additional resource mobilization by Consultancy projects, Research Grants from Govt and Non-Govt Organizations. 11) Encourage student innovations through Technology Business Incubator (TBI). 12) Lab and research infrastructure will be improved at par with International standard 13) To promote Rural Social Entrepreneurship, Swachhta and Community Engagement in the country having created Social Entrepreneurship, Swachhta Rural Engagement Cells (SES REC) in our Institution. This cell along with NSS has a important role to achieve the objectives of sustainable development of New India through capacity building interventions, social responsibility, active community engagement Swachhta related activities. 14) To help other institutions all over the country to form such cells and act effectively through our faculty serving as resource person for Mahatma Gandhi National Council of Rural Education (MGNCRE), Department of Higher Education, Ministry of Education, Government of India. 15) To bring in Dedicated SOLAR Energy supply to VISTAS campus and go for complete power saving mode .To compete for Swatch Award 16) Improve median salary by attracting more recruiters and by providing aggressive Placement training for Professional programs 17) More collaborations with foreign universities for all disciplines and student exchange programs 18) Digital infrastructure will be upgraded with full fledged data center 19) Regular Legal Aid Camp in nearby villages by School of Law 20) Regular Para-medical camp in nearby villages by School of Physiotherapy 21) At least one international conference per semester by each school 22) Exploring Semester Abroad Program for fast learners 23) At least two technical lectures during every semester from ALUMNI by EACH department 24) Arranging certificate course in Japanese/Chinese/French/German languages 25) Adding job oriented electives