



SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

**VELS INSTITUTE OF SCIENCE, TECHNOLOGY AND
ADVANCED STUDIES(VISTAS)**

VELAN NAGAR, P.V.VAITHIYALINGAM ROAD, PALLAVARAM, CHENNAI

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Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Vels Group of Institutions, was established by the Vaels Educational Trust in 1992 with the objective of taking education to the humble threshold of first generation learners and weaker sections of society.

Vaels Educational Trust a charitable and non-profit organization, established by Dr.Ishari K.Ganesh to commemorate the fond memory of his father late Shri. Isari Velan, formerly a Deputy Minister in the Government of Dr.M.G.Ramachandran, Tamil Nadu.

Vels College of Pharmacy was started in 1992. Subsequently, Vels College of Physiotherapy (1993) and Vels College of Science (1993) were started. The Deemed to be University status was conferred , to the above different colleges, after completing all the formalities on 04.06.2008 by the MHRD, Govt. of India with the registered name **VELS INSTITUTE OF SCIENCE, TECHNOLOGY AND ADVANCED STUDIES (VISTAS)**.

VISTAS was offering a few UG & PG programs in 2008. Now VISTAS has blossomed into a multi-disciplinary Institute offering more than 100 UG & PG programs, besides Doctoral programs ,through 15 schools and 41 departments.

Programs have the approval of the relevant Statutory Regulating Agencies such as UGC, AICTE, PCI, BCI, NCTE, DGS etc.

VISTAS has a student strength close to 11000 and faculty strength close to 657 with 261 of them having terminal degree.

School of Maritime Studies was awarded “A” grade by the Indian Register of Shipping (IRS) in Nov-2016. VISTAS has been accredited by NAAC with a CGPA of 2.58/4 (B+) grade in October,2015.

The School of Pharmaceutical Sciences has improved in its NIRF ranking from 50-75 band in 2016-17 to 43 in 2017-18. VISTAS is also recognized as a Scientific and Industrial Research Organization (SIRO) by Ministry of Science and Technology, Government of India.

The green and plastic free Main Campus is located at Pallavaram around 2 km from Pallavaram railway station and nearly 4 km from Chennai Airport. The School of Physiotherapy and the School of Maritimes Studies are located on a separate campus at Thalambur, 20 km away from the main campus.

Vision

To make the Institute an epitome of excellence in higher education providing high quality education and rigorous training in multiple streams of choice with ample scope for all-round development for the betterment of the society

Mission

- Effectively **imparting knowledge** and inculcating **innovative thinking**
- Facilitating **skill enhancement** through add-on courses and **hands-on training**.
- Doing original, socially relevant, **high quality research**.
- Facilitating appropriate co-curricular, extracurricular and extension activities
- Instilling the spirit of **integrity, equity, professional ethics** and social **harmony**.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- Affordable
- Location in State Capital
- Full-time faculty teach most classes, and there is a strong bond and a high level of interaction between faculty and students
- Interdisciplinary and experimental education at both the undergraduate and graduate levels
- Semester System with Choice Based Credit Systems (CBCS) with interdisciplinary subjects and international credit transfer policies.
- Curriculum and syllabi updated annually
- Compulsory Yoga, Personality and Skill Development Programs
- Classrooms are ICT and Wi-Fi enabled.
- Edu-sat and Edu-tech facilities
- E-governance and e-varsity with ERP
- Excellent Interaction with Industries
- Common Instrumentation Centre has been established and Centers for Excellences have been created.
- 1374 Publications are made in UGC listed Journals during the last three years due to constant management support.
- Rs.189 lakhs worth projects are completed, Rs.308 lakhs worth projects are under execution and Rs.96.04 crores worth projects are submitted to funding agencies during the last three years.

Institutional Weakness

- Major funding is not forthcoming for want of 12 B status.
- Having achieved greater than 81% student placement offers, VISTAS is sensing the need for more non-IT based core companies as their requirement for placement is often very meagre.
- Declining admission in post-graduate programmes.
- Lack of financial support for faculty Scholarship
- Underfunding in many departments and programs by the funding agencies.

Institutional Opportunity

- Global partnerships for more intense academic collaborations leading to effective preparation of students to be successful in the international job market soon after they graduate
- Enhancement of the level of placement for the graduates of the Institute by making use of the advantage

that VISTAS is located in one of the mega cities of the country (Chennai) with a large number of manufacturing and service industries.

- Opportunities for effective industry-institute collaborations in large number of specialized areas due to the fact that there are a number of R&D intensive industries (both manufacturing & service), Hospitals, Research laboratories, Institutions dealing with subject matters that are relevant to the academic programs of the Institute located in and around Chennai city.
- The well established research base of the Institute provides opportunity for younger faculty members to further their academic qualification by acquiring Ph.D. degree.

Institutional Challenge

- Effectively globalizing the academic programs in the light of the fact that the young graduates of to-day need to face global level competition in the employment market to get placed in suitable positions and simultaneously assigning importance in the curriculum to meet the national requirements in various domains.
- Acceleration of the rate of enhancement of research in terms of quality and quantity to achieve excellence in research.
- Bringing the Institute fully and effectively under e-governance at levels to ensure speed, transparency and efficiency in administration.
- Achieving the vision of the Institute fully by creating a Brand Name for the Institute at global level by further enhancing its level of functioning in all the domains of its activities.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

VISTAS offers nearly 120 programmes leading to different degrees in UG, PG, and Ph.D programs in the disciplines of Engineering, Science, Management, Pharmacy, Arts, Law and Commerce.

- CBCS has been implemented for all the programs of study to promote a student-friendly learning environment.
- All the programmes offered by VISTAS are approved by the relevant statutory bodies such as UGC, AICTE, PCI, Indian Association of Physiotherapists, Director - General of Shipping, NCTE and BCI.
- The enrichment of the curricula is done by inputs obtained through the intensive participation of industry experts, academic peers and Alumni in BOS Meeting. All the programmes are approved by the BOS, Academic Council and the BOM. 171 BOS/BORS meetings have been conducted in the last 5 years to undertake revisions and formulate new courses and programmes.
- About 90% of the designed programs are in sync with the Global, National and Regional Needs. Academic flexibility is given much importance by offering Multidisciplinary and Interdisciplinary Electives.
- The UG & PG programs of Arts and Science have 140 and 90 Credits respectively. Similarly UG & PG programs of Engineering have 195 and 80 Credits.
- 91 percent of the courses have been revised and 120 programs have CBCS/ electives
- About 90% of courses in all the programmes would be focusing on Skill development, Employability and Entrepreneurship.
- Gender, Environmental Studies, Professional Ethics and Human Values get thrust in the curriculum.

VISTAS is making sincere attempts at bringing out educationally qualified students bearing moral and ethical values.

- In order to inculcate value education, courses in the area of environmental studies, activities through NSS, NCC, and Life Skills have been introduced.
- Field Projects and Internships are included in curriculum to enable the students to gain more practical exposure.
- A wide range of value-added courses like SAP, DMLT, Green Chemistry, NPTEL courses etc are offered across all disciplines depending on the Economic, Societal and Environmental needs of the nation.
- Structured feedback from students, teachers, employers, alumni, and parents are analyzed to help in revising the syllabi and introduce new courses

Teaching-learning and Evaluation

An enriched teaching, learning and evaluation process is carried out in VISTAS catering to the diversity of students and faculty.

- Students entering VISTAS enjoy a multivariate learning process. Bridge Courses are conducted to prepare the students to their respective study environments.
- The entire Teaching-Learning process is student centric focusing on LMS, KMS, and E-Learning resources.
- Interactive and instructional lectures, focused discussions, classroom deliberations, , practical classes, hands-on training, projects, presentations, workshops and guest lectures help students to hone their technical skills.
- Comprehensive lesson plans are prepared regularly by faculties for effective teaching.
- Independent, Interactive, Collaborative and Participatory learning is encouraged and the required facilities are available for students in terms of SMART Classrooms, WiFi enabled Campus, Industrial Interactions, Projects and visits.
- Video lectures of VISTAS recorded using EduTech, NPTEL, EDX and other MOOCs to enhance student learning.
- Virtual learning through the AVIEW and moodle programs of IIT are available.
- VISTAS employs an effective Mentor-Mentee system for guidance and counselling students on regular basis. The Faculty student ratio is 1:15.
- Class committee meetings are conducted regularly for all types of learners.
- Remedial and tutorial classes are conducted for slow learners to enhance the learning.
- Fast learners are involved in NPTEL courses, industrial problems and projects.
- All the programs offered by VISTAS have clearly defined POs, PSOs and COs and the outcomes are assessed through direct and indirect methods.
- VISTAS adopts Continuous Assessment System , where both formative and summative assessments are ensured to measure the attainment of course outcomes.
- VISTAS examination process is fully automated using ERP package.
- Results are published within 21 days of the last day of examination.
- Metrics at par with the world standards such as Cumulative Grade Point Average (CGPA) and Overall Weighted average mark (OWAM) is used to grade the students.
- The marks are distributed as 60% for end-semester examinations and 40% for continuous internal assessment.
- The quality of the Teaching-Learning process is assessed through student satisfaction survey and

innovative practices are introduced based on the feedback received

Research, Innovations and Extension

- A centre, named, 'Centre for Advanced Research and Development' (CARD) has been established with the aim of promoting research. Besides 12 advanced dedicated research labs in various schools, a Central Instrumentation lab is set up housing advanced instruments such as BET Surface Area Analyzer, Field Emission Scanning Electron Microscope, High Performance Thin Layer Chromatography, X-Ray Diffractometer, Particle Size and Zeta Potential Analyzer, Raman Spectrometer, etc. Research scholars from nearby universities also use VISTAS lab for research.
- The Board of Research Studies meets regularly to provide guidelines for research.
- 207 scholars have completed PhD and 630 scholars have completed MPhil during the last five years. Around 810 PhD scholars (FT&PT) are active in various research labs. Every year around 190 MPhil scholars join various departments.
- Rs.189 lakhs worth projects are completed, Rs.308 lakhs worth projects are under execution and Rs.96.04 crores worth projects are submitted to funding agencies during the last three years. Every year Seed money (50 lakhs) is allotted to research oriented faculty for converting innovative ideas into manufacturable products.
- VISTAS has claimed 46 patents and 7 patents have been awarded.
- Due to strong Industry – Institutional tie-up, senior faculty are busy in solving industrial problems as consultancy projects.
- Ten industries are active at Incubation Centre in developing products useful to the society.
- Staff members are given incentives to publish papers and attend seminars. During the last three years 1374 research papers have been published in the UGC listed journals.
- Turnitin software is available to eliminate plagiarism.
- Access to 12381 online Journals and research databases.
- Three On-line journals and one printed journal are published from VISTAS
- VISTAS has so far signed 215 MoUs with many Universities, Institutions and Industries in India and abroad resulting in teacher-student exchange programmes leading to collaborative research, skill up-gradation and study programmes.
- Under Unnat Bharath Abhiyan program, VISTAS has initiated promotion of institutional social responsibility through activities undertaken in the neighbourhood rural community. Generic Medicines are made available to the Society through Pradhan Mantri Jan-Aushadhi Yojana Scheme.

Infrastructure and Learning Resources

Infrastructure and Learning Resources

- Wi-Fi Enabled Campus
- 1,08,329 sq.mts of built-up area
- 60 % of class rooms ICT enabled
- Ergonomically designed furniture
- State of the art equipment in the laboratories (40 Crores)
- Student Computer ratio in labs is 1:1 with access to supercomputing facilities
- Two 1500, 500, and 250 capacity air-conditioned auditoriums
- Education Satellite TV in Class Rooms (40 Channels)

- Lecture Capturing Class Rooms
- Active learning laboratories and Hands-on Training
- Ship in campus facility
- 10 Active Laboratories in the area of IPR, Incubation, Language, Central Instrumentation etc.,
- Laboratories setup by Industries like IBM, i-Nurture
- Solar energy panels and Hybrid (wind & Solar) power generators
- Two 200 meter track playgrounds
- Language and Soft Skills Laboratories
- RO Plant installed for drinking water
- Canteen Facility
- Equitas Bank with ATM facility
- Fully Air-conditioned Guest house – 50 capacity
- Aquatic Stadium
- Staff Quarters – 2 BHK
- Standalone generators - 1200 kva capacity
- 24 hrs Medical facility – Apollo Shine Dispensary
- Bus and Van facility covers 70 km distance
- Multigame playgrounds – Two 200 meters track and field play ground
- Multi Gym facility
- Post Box

Library as a Learning Resource

- Ground + 3 floors of 1 laks sq.ft area.
- Fully air-conditioned and automated and OPAC System
- 40 CCTV Security systems
- Reading hall in all floors, with reference section
- E- Learning, Virtual learning facilities.
- National Digital Library (NAD) access
- 2 lakh books, 400 journals, 15000 e-journals
- 12000 back volumes, 6000 CD's & DVD's
- Micromedex Clinical Knowledge Suite
- Memberships in British Council Library (BCL), MALIBNET, DELNET, Science Association
- Institutional Membership in e-ShodhSindhu, shodhganga
- E- content developed by staff members and digital portals

IT Infrastructure

- 2300 systems bandwidth 2 GBPS
- ERP for academic/administrative/financial functions
- Media center, recording facility and lecture capturing system
- High power computing servers

Student Support and Progression

- Annually 1800 students get benefited by institution – sanctioned scholarship schemes every year worth 7 crores

- Government scholarships through Web portal facilities every year
- 8 boys hostels, 2 girls hostels with 6000 inmates
- 90 % of students get benefited by career oriented courses like, Soft Skills, SAP, Remedial, Yoga etc.
- Bridge course facilities for International Students
- Mentor System facility
- Class Level Committee
- Reevaluation facility
- Student Activity Clubs for Fine Arts, Entrepreneur, English Literary, Tamil Literary Photography, Alumni, International Student Cell, Sports etc.,
- Yearly Inter departmental sports and cultural fest
- Merit Scholarship for top three in each department
- Yearly honorarium paid for outstanding sportsman, Athlete, cultural activities
- Cells for Anti-ragging, Grievance Redressal, Sexual harassment
- Compensatory/Bridge courses for slow learners
- Alumni Members in Board of Studies
- Separate training and placement cell
- Parental portal available in Website
- National level technical symposium and cultural festival
- Internship facilities with foreign Universities
- Funding for Industrial visit, Competitions, Paper and Poster presentation facility in India and foreign countries.
- Yearly activities in NSS, YRC, and Department associations

Student Progression

- 65 % of the registered get campus placement
- 10 % of the students pursue higher studies
- 80 % of the students get through the programmes in minimum period of time.
- 25 % of the appeared students qualify in competitive examinations
- Nearly 15 professional associations, 8 student chapters, technical clubs and international collaborations

Alumni Engagement

- 10,000 registered alumni
- Rs. 25 – 30 lakhs generated from alumni
- Nearly 6 alumni meets are conducted every year
- Provides Jobs, internships, books, computers, and delivers guest lectures.
- Students yearly participation through alumni in Mega events like
 - South Indian Film Fest
 - Chennaiel Thiruvaiaru
 - IPL - Chennai Super Kings
 - Blood Donation Camps
 - South Indian Nadikar Sangam
 - International Taekwondo Competitions
 - Dr. MGR Peravai
 - National level Culinary Competitions
 - All Time Engagement with Tamil Nadu Government

Governance, Leadership and Management

The structure of Governance in VISTAS facilitates Autonomy, Transparency and Accountability through participation of various stakeholders. It provides the differentiation and integration of various activities in VISTAS. The Organizational structure has been designed as per UGC Regulation.

The Regulatory bodies of VISTAS include Board of Management, Academic Council, Planning and Monitoring Board, Board of Studies and Finance committee. They have been functioning as per guidelines of UGC and Memorandum of Association and they meet periodically.

The various key stakeholders of VISTAS, which includes faculty, students, parents, industry experts, academic peers and alumni, are involved in decision making at every level. For smooth functioning of VISTAS several sub-committees comprising the faculty and student representatives have been constituted.

In order to decentralize administrative / academic machinery, authority has been delegated by setting up of Deans for various Schools, Admissions, Academics, Research, Student Affairs, Faculty, IQAC, etc.,

For transparent functioning, the Admission, Academics, Administration, Accounts and Examination processes are automated by using ERP.

Some means by which Faculties are empowered

- Financial support is provided to organize / attend Faculty Development Programs, Orientation programs, Refresher courses, Workshops and Conferences.
- Incentives are provided for publishing in reputed journals.

Some of the staff welfare measures

- PF and ESI
- Maternity Leave
- Loan Facility
- 60 day vacation
- Free transport
- 50 % fee concession for pursuing part time PhD at VISTAS
- Fee Concession for the children of staff at Vels Group

IQAC ensures quality in all academic and administrative aspects. The IQAC meets twice a year. Some of the initiatives are as follows:

- Annual external academic audit in addition to the internal audits.
- Systematic feedbacks are periodically collected from Students, Academic peers, Alumni, Parents and Industry Experts for quality enhancement and analyzed.
- A self appraisal form is collected from the teaching and non teaching faculty members and necessary action is taken.
- Working out the Accreditation process
- Participation in various rankings including NIRF
- Conducting Quality related Development Programs
- AQAR is prepared regularly and is uploaded in the website.

Institutional Values and Best Practices

VISTAS core values are aligned to its vision and mission and are reflected in the curricular and professional growth of the VISTAS community. With Equity as its premier value and a Women's Forum as its mouthpiece, VISTAS promotes gender sensitivity among all stakeholders. Girls are given special counseling to overcome depression, abnormal behavior etc.

VISTAS have a well-defined Environment policy. The campus is green, serene and pleasant. Steps have also been taken to conserve energy and reduce carbon footprint by installing three windmills and solar street lamps. VISTAS has been adhering to the best practices such as Herbal Garden, Tobacco-Free Campus, Green Campus, Bio-gas plant, Rain Water harvesting, Renewable energy and carbon neutrality. The E-waste is again sold back to the contractors for disposal. Recently a modern waste processing machine has been installed in the campus, for converting biodegradable waste into manure.

Being situated in the heart of city, VISTAS enjoys the privilege of creation of direct and indirect employment opportunities for the local unemployed youth. Good connectivity and presence of industries in the vicinity are major advantages. The core values and the developments stated above are displayed on the Institute website.

Promoting a cosmopolitan culture, VISTAS observes National festivals and birth/death anniversaries of great Indian personalities.

VISTAS follows the Best practices such as Outcome Based Education, Student Mentoring, External Academic and Administration Audit, ERP in all the activities, NSS Unit-Swach Bharat Abhiyan, Student's Feedback about Teachers, MHRD Digital Initiatives, Research culture, Institution-Industry Interaction, Use of Renewable Energy, Internship for Students, Parent Corner in the Website etc.

The Industry-Institution relationship is very strong at VISTAS. Industries are busy in developing products at the Incubation Centre. Some academic programs such as B.Tech and MBA are run in collaboration with M/s IBM. Experienced Professors are active in solving industrial problems as part of consultancy projects.

Our vision is to provide quality education. Hence, as part of ensuring quality, External Academic and Administrative Audit is performed in all the departments every year.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the University	
Name	VELS INSTITUTE OF SCIENCE, TECHNOLOGY AND ADVANCED STUDIES(VISTAS)
Address	Velan Nagar, P.V.Vaithiyalingam Road, Pallavaram, Chennai
City	CHENNAI
State	Tamil Nadu
Pin	600117
Website	www.velsuniv.ac.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Vice Chancellor	P.SWAMIN ATHAN	044-22662501	9962506209	044-2266251 3	vistas@velsuniv.or g
Registrar	A.R.VEERA MANI	044-22662502	9962506245	044-2266250 4	registrar@velsuniv .ac.in

Nature of University	
Nature of University	Deemed University

Type of University	
Type of University	Unitary

Establishment Details	
Establishment Date of the University	04-06-2008
Status Prior to Establishment,If applicable	Affiliated College
Establishment Date	06-07-1992

Recognition Details		
Date of Recognition as a University by UGC or Any Other National Agency :		
Under Section	Date	View Document
2f of UGC		
12B of UGC		

University with Potential for Excellence	
Is the University Recognised as a University with Potential for Excellence (UPE) by the UGC?	No

Location, Area and Activity of Campus							
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.	Programmes Offered	Date of Establishment	Date of Recognition by UGC/MHRD
Main campus	Velan Nagar, P .V.Vaithiyalingam Road, Pallavaram, Chennai	Urban	29.13	108329	UG, PG, Diploma, M.Phil and Ph.D.		

2.2 ACADEMIC INFORMATION

Furnish the Details of Colleges of University

Type Of Colleges	Numbers
Constituent Colleges	0
Affiliated Colleges	0
Colleges Under 2(f)	0
Colleges Under 2(f) and 12B	0
NAAC Accredited Colleges	0
Colleges with Potential for Excellence(UGC)	0
Autonomous Colleges	0
Colleges with Postgraduate Departments	0
Colleges with Research Departments	0
University Recognized Research Institutes/Centers	10

Is the University Offering any Programmes Recognised by any Statutory Regulatory Authority (SRA)		: Yes
SRA program	Document	
NCTE	100006_2233_4_1541669601.pdf	
AICTE	100006_2233_1_1540968253.pdf	
PCI	100006_2233_6_1540968268.pdf	
BCI	100006_2233_8_1540968273.pdf	

Details Of Teaching & Non-Teaching Staff Of University

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned	94				99				464			
Recruited	47	47	0	94	50	49	0	99	228	236	0	464
Yet to Recruit	0				0				0			
On Contract	0	0	0	0	0	0	0	0	0	0	0	0

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned				275
Recruited	145	130	0	275
Yet to Recruit				0
On Contract	16	85	0	101

Technical Staff				
	Male	Female	Others	Total
Sanctioned				73
Recruited	68	5	0	73
Yet to Recruit				0
On Contract	0	0	0	0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	41	47	0	39	46	0	42	46	0	261
M.Phil.	0	0	0	0	0	0	29	37	0	66
PG	6	0	0	11	3	0	128	95	0	243

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	21	46	0	67
PG	0	0	0	0	0	0	8	12	0	20

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	3	0	0	0	0	0	0	0	0	3
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	3	7	0	10

Distinguished Academicians Appointed As

	Male	Female	Others	Total
Emeritus Professor	2	1	0	3
Adjunct Professor	4	2	0	6
Visiting Professor	18	2	0	20

Chairs Instituted by the University

Sl.No	Name of the Department	Name of the Chair	Name of the Sponsor Organisation/Agency
1	NIL	NIL	NIL

Provide the Following Details of Students Enrolled in the University During the Current Academic Year

Programme		From the State Where University is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	5882	510	0	48	6440
	Female	2409	151	0	15	2575
	Others	0	0	0	0	0
PG	Male	514	76	0	4	594
	Female	316	56	0	1	373
	Others	0	0	0	0	0
Doctoral (Ph.D)	Male	213	80	0	0	293
	Female	254	48	0	1	303
	Others	0	0	0	0	0
Diploma	Male	0	0	0	0	0
	Female	0	0	0	0	0
	Others	0	0	0	0	0
Certificate	Male	0	0	0	0	0
	Female	0	0	0	0	0
	Others	0	0	0	0	0
Pre Doctoral (M.Phil)	Male	30	1	0	0	31
	Female	103	2	0	0	105
	Others	0	0	0	0	0

Does the University offer any Integrated Programmes?	Yes
Total Number of Integrated Programme	0

Integrated Programme	From the State where university is located	From other States of India	NRI students	Foreign Students	Total
Male	69	10	0	1	80
Female	43	3	0	1	47
Others	0	0	0	0	0

Details of UGC Human Resource Development Centre, If applicable

Year of Establishment	01-01-1970
Number of UGC Orientation Programmes	0
Number of UGC Refresher Course	0
Number of University's own Programmes	0
Total Number of Programmes Conducted (last five years)	0

2.3 EVALUATIVE REPORT OF THE DEPARTMENTS

Department Name	Upload Report
Department Of Automobile Engineering	View Document
Department Of Aviation	View Document
Department Of Biochemistry	View Document
Department Of Bioengineering	View Document
Department Of Bioinformatics	View Document
Department Of Biomedical Engineering	View Document
Department Of Biotechnology	View Document
Department Of Business Administration	View Document
Department Of Chemistry	View Document
Department Of Civil Engineering	View Document
Department Of Commerce	View Document
Department Of Computer Applications	View Document
Department Of Computer Science	View Document

Department Of Computer Science And Engineering	View Document
Department Of Economics	View Document
Department Of Education	View Document
Department Of Electrical And Electronics Engineering	View Document
Department Of Electronics And Communication Engineering	View Document
Department Of English	View Document
Department Of Hindi	View Document
Department Of Hotel And Catering Management	View Document
Department Of Information Technology	View Document
Department Of Legal Studies	View Document
Department Of Management Studies	View Document
Department Of Marine Engineering	View Document
Department Of Mathematics	View Document
Department Of Mechanical Engineering	View Document
Department Of Microbiology	View Document
Department Of Music And Fine Arts	View Document
Department Of Nautical Science	View Document
Department Of Naval Architecture And Offshore Engineering	View Document
Department Of Petroleum Engineering	View Document
Department Of Pharmaceutical Chemistry And Analysis	View Document
Department Of Pharmaceutics	View Document
Department Of Pharmacy Practice	View Document
Department Of Physics	View Document
Department Of Physiotherapy	View Document
Department Of Tamil	View Document
Department Of Visual Communication	View Document

3. Extended Profile

3.1 Program

Number of programs offered year-wise for last five years

2017-18	2016-17	2015-16	2014-15	2013-14
120	114	94	89	85
File Description			Document	
Institutional Data in Prescribed Format			View Document	

Number of departments offering academic programmes

Response: 41

File Description	Document
Institutional Data in Prescribed Format	View Document

3.2 Students

Number of students year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
10841	9545	8206	6961	6607
File Description			Document	
Institutional Data in Prescribed Format			View Document	

Number of outgoing / final year students year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
1976	1746	1629	1654	1638
File Description			Document	
Institutional Data in Prescribed Format			View Document	

Number of students appeared in the examination conducted by the Institution, year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
10335	9029	7554	6688	5981
File Description		Document		
Institutional Data in Prescribed Format		View Document		

Number of revaluation applications year-wise during the last 5 years

2017-18	2016-17	2015-16	2014-15	2013-14
361	198	124	98	89

3.3 Teachers**Number of courses in all programs year-wise during the last five years**

2017-18	2016-17	2015-16	2014-15	2013-14
3165	3182	2715	2065	1946
File Description		Document		
Institutional Data in Prescribed Format		View Document		

Number of full time teachers year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
642	525	482	433	412
File Description		Document		
Institutional Data in Prescribed Format		View Document		

Number of sanctioned posts year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
642	525	482	433	412
File Description		Document		
Institutional Data in Prescribed Format		View Document		

3.4 Institution

Number of eligible applications received for admissions to all the programs year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
6363	5375	6241	3596	3311
File Description		Document		
Institutional Data in Prescribed Format		View Document		

Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
2977	2760	2301	1690	1566
File Description		Document		
Institutional Data in Prescribed Format		View Document		

Total number of classrooms and seminar halls

Response: 317

Total number of computers in the campus for academic purpose

Response: 2300

Total Expenditure excluding salary year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
4857.99	3973.94	4336.34	3992.38	4168.53

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curriculum Design and Development

1.1.1 Curricula developed /adopted have relevance to the local/ national / regional/global developmental needs with learning objectives including program outcomes, program specific outcomes and course outcomes of all the program offered by the University

Response:

- Vels Institute of Science, Technology and Advanced Studies (VISTAS) has adopted Choice Based Credit System and Outcome Based Teaching Learning Curriculum. VISTAS is a multidisciplinary deemed- to- be- university, students are given choice to choose a wide choice of courses.
- The Curriculum is designed fully adhering to the guidelines of the **UGC, AICTE, PCI, DGS, NCTE, BCI** and other Statutory Regulatory Authorities. The curricula developed/adopted have relevance to the regional/national/global developmental needs with well-defined and informed learning objectives and outcomes at programme and course level.
- Thus curriculum design is aimed to meet the POs, PSOs and COs. The programs are designed to be consistent with international, national and institutional credit frameworks and promoting progression so that the demands on the learner in intellectual challenge, skills, knowledge.
- The syllabus takes care of the rapid developments in various fields of study, scientific and technological advancements to meet the demands of academia, industry and society. Current trends in the job market are also considered while formulating and revising the syllabus. The Curriculum design and development is done through a well defined process.
- The Curriculum and Syllabi have been improved during the subsequent meeting of the Board of Studies (BoS) in consideration with following:
 1. Industry trends and feedback to identify new demands of industry through Industry Institute Partnership Meetings
 2. Statutory, regulatory accreditation bodies norms
 3. Suggestions received from External Academic Auditors
 4. Structured feedback from students, alumni, employers and experts from academia, industry and research through course/programme review feedback
 5. Consultation with the members of Board of Studies
 6. Professional Societies are helpful in obtaining information on external needs and equip the students to find graduate employment, gain professional advancement or start up new business.
- **NPTEL courses** and **Swayam Courses** are given add on courses in the curriculum. In phase with Digital Initiatives of MHRD, Course on “**Fundamentals of Computing**” offered for all Engineering Students.
- VISTAS also offers industry led/regional need based programmes in collaboration with the

following industry partners:

1. CII - MBA Logistics and Supply Chain Management, MBA Logistics and Shipping Management
2. IBM - B.Tech (Information Technology), M.B.A. (Business Analytics)
3. NIIT - BCA (Hons)

- Academic audit is conducted every year to review the curriculum implementation and evaluation process.
- Lesson Plan and Academic calendar includes Internal Assessment Test schedule, Unit Test schedule, Examination schedule ensures effective implementation of the curriculum to the students.
- **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.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

1.1.2 Percentage of programs where syllabus revision was carried out during the last five years

Response: 90.83

1.1.2.1 How many programs were revised out of total number of programs offered during the last five years

Response: 109

1.1.2.2 Number of all programs offered by the institution during the last five years

Response: 120

File Description	Document
Minutes of relevant Academic Council/BOS meeting	View Document
Details of program syllabus revision in last 5 years	View Document
Any additional information	View Document

1.1.3 Average percentage of courses having focus on Employability/ Entrepreneurship/ Skill development during the last five years

Response: 90.76

1.1.3.1 Number of courses having focus on employability/ entrepreneurship/ skill development year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
2806	2926	2496	1783	1847

File Description	Document
Program/ Curriculum/ Syllabus of the courses	View Document
MoU's with relevant organizations for these courses, if any	View Document
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View Document
Average percentage of courses having focus on employability/ entrepreneurship	View Document

1.2 Academic Flexibility

1.2.1 Percentage of new Courses introduced out of the total number of courses across all Programs offered during last five years

Response: 53.86

1.2.1.1 How many new courses are introduced within the last five years

Response: 7041

1.2.1.2 Number of courses offered by the institution across all programs during the last five years

Response: 13073

File Description	Document
Minutes of relevant Academic Council/BOS meetings	View Document
Institutional data in prescribed format	View Document

1.2.2 Percentage of programs in which Choice Based Credit System (CBCS)/Elective course system has been implemented

Response: 100

1.2.2.1 Number of programs in which CBCS/ Elective course system implemented.

Response: 120

File Description	Document
Minutes of relevant Academic Council/BOS meetings	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document

1.3 Curriculum Enrichment

1.3.1 Institution integrates cross cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum

Response:

VISTAS considers that the purpose of education is to make each learner recognize their identity, understand the purpose in life through their connection and contribution to society, environment and to their fellow human beings. In addressing these issues VISTAS sensitizes the students needs and equips them with an understanding of self & society and prepares them with a larger view of life to inculcate a sense of social responsibility through relevant courses under different categories for enriching effective learning experience. The curriculum is designed by the university itself does include many of these aspects such as the subjects namely Professional Ethics, Human Values and Environmental Studies etc. The curriculum designed by VISTAS includes many of these aspects.

Gender

The courses mentioned below addresses the Gender issues by providing the skill-set necessary for life-long learning and provide the opportunities for the students to explore subjects or areas of interest. It teaches equality in gender and also about action against bias.

- 15UGE537 - Gender and Issues in Education
- 15119JF31 - Gender Justice and Feminist Jurisprudence

- 16CLLB45 - Women and Criminal Law
- 16119PW41- The Protection of Women from Domestic Violence

Environment and Sustainability

The following courses address Environment and Sustainability in the curriculum. It appreciates the ethical, cross-cultural, historical context of environmental issues and the links between human and natural systems. This enables the students to learn about the ecosystem and other environmental factors. They also learn measures to protect the environment and are made aware of global warming and other related issues.

- 15EPE202 - Environmental Science
- 15PEBME02 - Renewable Sources of Energy
- 15MET155 - Global Warming and Climate Change
- 15UGE539 - Air Pollution and Management

Human Values

Human Values are desirable to incorporate students' self-esteem. Value education moulds students to meet the needs of fellow human being. Importance of trust, honesty, integrity, morality and reliability as qualities of good character are taught. The following courses describe the Human values.

- 10VBSE31 - Value based education
- 15BESY41 - Basic Life Skills
- 15NSS255 - NSS (National Service Scheme)
- 15CBBA41 - Human Resource Management
- 15SUPD31 - Personality Development
- 16GCED27 - Peace and Value Education

Professional Ethics

The courses mentioned below describe professionally accepted standards of personal, business behavior, values and guiding principles. Codes of professional ethics are often established by professional organizations to help guide members in performing their job functions according to sound and consistent ethical principles.

- 15MBS007 - Business Ethics and Corporate Governance
- 10VBBA31- Business Ethics and Values
- 15GBCE61 - Principles of Management and Professional Ethics
- 15CBBM37 - Bioethics and Biosafety
- 15EVB261 - Ethics and Values

To make the students to be aware of the cross cutting issues workshops and many other activities were organized such as

- Swachh Bharat
- Environment Awareness
- Waste Management
- Unnat Bharat Abhiyan

- Tree Plantation
- NSS Camp
- AIDS awareness
- Health camp

File Description	Document
Upload the list and description of the courses which address the Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum	View Document
Any additional information	View Document

1.3.2 Number of value-added courses imparting transferable and life skills offered during the last five years

Response: 350

1.3.2.1 How many new value-added courses are added within the last 5 years

Response: 350

File Description	Document
List of value added courses	View Document
Brochure or any other document relating to value added courses	View Document

1.3.3 Average percentage of students enrolled in the courses under 1.3.2 above

Response: 86.62

1.3.3.1 Number of students enrolled in value-added courses imparting transferable and life skills offered year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
10706	9491	7334	4842	5019

File Description	Document
Any additional information	View Document

1.3.4 Percentage of students undertaking field projects / internships

Response: 82.83

1.3.4.1 Number of students undertaking field projects or internships

Response: 8980

File Description	Document
List of programs and number of students undertaking field projects / internships	View Document
Any additional information	View Document

1.4 Feedback System

1.4.1 Structured feedback received from 1) Students, 2) Teachers, 3) Employers, 4) Alumni 5) Parents for design and review of syllabus Semester wise /year-wise

A. Any 4 of above

B. Any 3 of above

C. Any 2 of above

D. Any 1 of above

Response: A. Any 4 of above

File Description	Document
Any additional information	View Document
Action taken report of the University on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View Document
URL for stakeholder feedback report	View Document

1.4.2 Feedback processes of the institution may be classified as follows:

A. Feedback collected, analysed and action taken and feedback available on website

B. Feedback collected, analysed and action has been taken

C. Feedback collected and analysed

D. Feedback collected

Response: A. Feedback collected, analysed and action taken and feedback available on website	
File Description	Document
Any additional information	View Document
URL for feedback report	View Document

NAAC

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average percentage of students from other States and Countries during the last five years

Response: 3.66

2.1.1.1 Number of students from other states and countries year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
252	318	293	336	280

File Description	Document
List of students (other states and countries)	View Document
Institutional data in prescribed format	View Document

2.1.2 Demand Ratio(Average of last five years)

Response: 1.28

2.1.2.1 Number of seats available year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
4593	4651	4113	3133	2802

File Description	Document
Demand Ratio (Average of Last five years)	View Document

2.1.3 Average percentage of seats filled against seats reserved for various categories as per applicable reservation policy during the last five years

Response: 84.04

2.1.3.1 Number of actual students admitted from the reserved categories year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
2977	2760	2301	1690	1566

File Description	Document
Average percentage of seats filled against seats reserved	View Document

2.2 Catering to Student Diversity

2.2.1 The institution assesses the learning levels of the students, after admission and organises special programs for advanced learners and slow learners

Response:

Assessment of Learning Levels After admission

Every year, 1 or 2 week long of induction-cum orientation program is organized for the first year Students of VISTAS. In this induction session, the Vice Chancellor, Registrar and Controller of Examinations address the Students about the general features of VISTAS, the rules and regulations, examination pattern and requirements for the successful completion of the programme. There will be two or three trainers to provide orientation to students on their need to adapt themselves from School / College to University style of their studies and also from “Spoon feeding learning to Self-learning mode”. Feedbacks from students are taken on such orientation programme and analysis of the feedback leads to improvements and modifications if required. The HOD and faculty members brief the Students about the programme, projects and internships to be completed as part of the course along with the disciplinary behavior expected from the students, dress code, mentorship, parent corner, library facilities, hostel facilities etc.,

A few Schools such as Engineering, Business Administration, Pharmacy, and HCM also conduct bridge courses. Bridge courses are also conducted to foreign Students to help them in communication skills and for cultural adjustments. Before the commencement of classes, performance of students in their qualifying examination, entrance examination, interview, orientation and bridge courses are analyzed so as to understand the multiple requirements of students. Thus VISTAS has a process of identifying and responding to the learning needs of the different categories of students such as slow learners, advanced learners, mediocre learners and appropriate learning methodologies like class-based, online-based and a hybrid of these combination are executed.

Special Programmes for Advanced Learners

Advanced learners are encouraged to pursue additional courses and summer training programmes in leading industries. They are also encouraged to do Mini Projects, publish papers and if possible file patents and also encouraged to expose their skills and knowledge at various stages like quiz competitions, essay writing and paper presentation in conferences. They are also appreciated for their performances in the summative assessment by certificates, medals, cash awards and Fee waiver. VISTAS has installed a Language Laboratory, E-learning platform, Vel’s Knowledge Resource Centre, Virtual Learning Centre and a Foreign Language Centre which can be utilized by advanced learners for enhancing their knowledge and skills. The Management provides financial assistance to advanced learners for conversion of their innovative ideas into materialistic products.

Special Programmes for Slow Learners

The specific measures followed for slow learners are:

- Providing lecture notes,
- Discussing previous semester questions and answers,
- Additional tests on weekly / monthly basis,
- Tutorials with individual attention
- Counselling and mentoring.

The process of monitoring academic growth of Students starts with mentorship wherein each faculty closely monitors the academic performance of about 30 Students. The mentors also offer counseling, guidance and if necessary extra coaching such as multi-team learning, special classes to improve their performance. Students from economically weaker background are helped by VISTAS through monetary support.

File Description	Document
link for additional information	View Document

2.2.2 Student - Full time teacher ratio

Response: 16.89

File Description	Document
Any additional information	View Document

2.2.3 Percentage of differently abled students (Divyangjan) on rolls

Response: 0.1

2.2.3.1 Number of differently abled students on rolls

Response: 11

File Description	Document
List of students(differently abled)	View Document
Institutional data in prescribed format	View Document
Any other document submitted by the Institution to a Government agency giving this information	View Document

2.3 Teaching- Learning Process

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

Response:

Experiential Learning

The student-centric learning is focused on LMS and KMS. All the MOOC open courses, MHRD's Swayam, NPTEL, UGC-INFONET Digital Library Consortium and NDL, etc., are available under Vels Knowledge Resource Centre for Student Centric Teaching-Learning Process. By adopting blended and flipped learning, the students' involvement in the process of learning is ensured. VISTAS is equipped with Library, Digital Library, Video Conferencing Facility, Smart Class Rooms, ICT Enabled Class Rooms, Language Laboratory, Business Analytics Lab, Cloud Computing Lab, CADD Lab, 24 x 7 access to Vels Knowledge Resource Centre and an Open Source Software Lab for Student-Centric Learning. Virtual Learning is enabled by the IITM and IITK under Moodle programme. Apart from this, VISTAS has a local chapter of MHRD-NME-ICT's Virtual Lab channeled through Amirta Vishwa Vidyapeedam. The Faculties of School of Pharmacy, School of HCM have developed online contents through MOOC. Such developed ICT course materials are made to be available in e-platforms. The institution is a member of FOSS Club through which the open source community is interlinked. The process of teaching extended to the social networking sites where teachers and students interact over the instructions taught in the class rooms. The Wifi enabled campus facilitates to avail all the e-resources of the central library from the class room itself.

Simple experiments make science easier and kindle the joy of learning. Handson science sessions have been conducted using cheaply available and discarded materials for Science, Engineering, Music and Pharmacy Students. The School of Education is practicing exclusive teaching learning methodologies such as micro-teaching, evidence based teaching and programmed Learning. The Faculty of Management have additional learning methodologies like Role Play, News Hour, Business Plan, AdZap, Brain Storming sessions etc.

Participative Learning

The School of Computing Science, School of HCM, Department of Physiotherapy and School of Pharmacy, are tied up with the industries of their disciplines and involve their students to face internship and also made to be taught in the working environment itself. Similarly, the School of Education provides 80 working days of internship for their student teachers to work in allotted schools. Such experiential learning fetched by those students facilitates them remarkably both in employability and entrepreneurship.

Certain courses are identified for self-study, seminar, assignments, group discussions, debate and model building, experimental learning etc. Involving in demonstrations, simulations, Library hours, workshops, video conferencing, practical and clinical sessions, the students of various disciplines evolve in learning process. Various club activities furnish the participation of students in Scholarly activities.

Problem Solving Methodology

For high achievers group, problem solving skill has been developed by numerical problems of Mathematics, Physics, Chemistry and Engineering Students. Such students are allowed to do extra hours of internship, participating and presenting papers in conferences, encouraged to exhibit their new

inventions and even motivating them to get patents for the same. Assigning various projects to the level of students ascertain the problem solving ability among students.

File Description	Document
Link for Additional Information	View Document

2.3.2 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc.

Response: 100

2.3.2.1 Number of teachers using ICT

Response: 642

File Description	Document
List of teachers (using ICT for teaching)	View Document
Any additional information	View Document
Provide link for webpage describing the " LMS/ Academic management system"	View Document

2.3.3 Ratio of students to mentor for academic and stress related issues

Response: 16.91

2.3.3.1 Number of mentors

Response: 641

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years

Response: 100

File Description	Document
Year wise full time teachers and sanctioned posts for 5 years	View Document
List of the faculty members authenticated by the Head of HEI	View Document

2.4.2 Average percentage of full time teachers with Ph.D. during the last five years

Response: 30.53

2.4.2.1 Number of full time teachers with Ph.D. year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
243	186	141	115	97

File Description	Document
List of number of full time teachers with PhD and number of full time teachers for 5 years	View Document
Any additional information	View Document

2.4.3 Teaching experience per full time teacher in number of years

Response: 8.82

2.4.3.1 Total experience of full-time teachers

Response: 5659.9

File Description	Document
Any additional information	View Document

2.4.4 Percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years

Response: 0

2.4.4.1 Number of full time teachers receiving awards from state /national /international level from Government recognised bodies year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	0	0	0

File Description	Document
Institutional data in prescribed format	View Document
e-copies of award letters (scanned or soft copy)	View Document

2.4.5 Average percentage of full time teachers from other States against sanctioned posts during the last five years**Response:** 1.41**2.4.5.1 Number of full time teachers from other states year-wise during the last five years**

2017-18	2016-17	2015-16	2014-15	2013-14
13	9	9	3	3

File Description	Document
List of full time teachers from other state and state from which qualifying degree was obtained	View Document
Any additional information	View Document

2.5 Evaluation Process and Reforms**2.5.1 Average number of days from the date of last semester-end/ year- end examination till the declaration of results during the last five years****Response:** 19.4**2.5.1.1 Number of days from the date of last semester-end/ year- end examination till the declaration of results year-wise during the last five years**

2017-18	2016-17	2015-16	2014-15	2013-14
21	17	19	21	19

File Description	Document
List of programs and date of last semester and date of declaration of result	View Document

2.5.2 Average percentage of student complaints/grievances about evaluation against total number appeared in the examinations during the last five years**Response:** 2.06**2.5.2.1 Number of complaints/grievances about evaluation year-wise during the last five years**

2017-18	2016-17	2015-16	2014-15	2013-14
361	198	124	98	89

File Description	Document
Any additional information	View Document

2.5.3 Average percentage of applications for revaluation leading to change in marks during the last five years

Response: 32.75

2.5.3.1 Number of applications for revaluation leading to change in marks year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
116	63	25	45	30

File Description	Document
Any additional information	View Document

2.5.4 Positive impact of reforms on the examination procedures and processes including IT integration and continuous internal assessment on the examination management system

Response:

Positive Impact : Every academic programme of VISTAS has a well-structured evaluation process. The Academic calendar, annual prospectus and the Website provide information about the evaluation process to students. Students are duly informed about the structure of the examinations in the Academic calendar of VISTAS.

The performances of students are evaluated by both internal assessment of 40% and external assessment 60% at the end semester examination. A well-structured criterion is followed for the award of formative assessment viz. Continuous Internal Assessment tests, Field visits / Internships for (PG Courses), class seminars / assignments, marks in the model examinations, attendance, aptitude of the students and faculty assessment form part of formative assessment. Grievance redressing mechanism is also in practice for internal assessment marks. The end semester answer papers are evaluated by external examiners and final results are published following the grading system adopting ten point scale. With the introduction of CBCS from 2015-16, students do have the salient features such as mobility across institutions within and across the country.

IT integration : The examination process viz. right from generating application form is fully automated with Enterprise Resource Planning (ERP) and Enterprise Application Software (EAS). Hall plan is the basis for hall wise allotment of question papers. Question papers are scrutinized by external experts for their conformity with the syllabus.

The hall ticket is unique and student - friendly providing information regarding the subject code, date of examination with session, block, hall number and respective seat number which facilitate the student to reach the examination hall easily without wasting time and stress. Flying squads visit the examination halls regularly.

The office of the COE is completely computerized under EAS system and whole work stands automated. Bar coded and optical mark recognition enabled answer papers are used with its special features of

1. Concealing the identity of students to examiners
2. Human error in tabulating and
3. Eliminating manual data entry operation

Thus, the use of OMR results in 0% error carrying over marks.

PG Level:

- Double valuation – one by internal and another by external
- If the difference in marks is more than 10% scripts are sent for third valuation and that mark is final

Publication of results

- Exam results are published in VISTAS website within 20 days of the last day of examination
- Student can apply for revaluation / retotaling within 10days after the publication of results.

Supplementary Examination

- Supplementary examinations are conducted for the outgoing students who have one or two arrears only, to facilitate them either to go higher studies or employment without wasting another academic year.

Grade sheets

- GPA, CGPA and Credits earned are the contents of the Grade sheet. All the certificates have many security features making it difficult to duplicate.
- The evaluation process is completely transparent.
- ONLINE Certificate verification is done for the passed out students on demand.
- Academic audit is conducted for all the departments by senior external faculty members to scrutinize the syllabus, Course and Programme Outcomes,

File Description	Document
Link for Additional Information	View Document

2.5.5 Status of automation of Examination division along with approved Examination Manual
A. 100% automation of entire division & implementation of Examination Management System (EMS)

B. Only student registration, Hall ticket issue & Result Processing

C. Only student registration and result processing

D. Only result processing

Response: A. 100% automation of entire division & implementation of Examination Management System (EMS)

File Description	Document
Current manual of examination automation system and Annual reports of examination including the present status of automation	View Document
Current Manual of examination automation system	View Document
Annual reports of examination including the present status of automation	View Document

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 on website and communicated to teachers and students

Response:

Outcome-Based Education (OBE)

Demand for quality of education and employable work-force is ever increasing globally. The continuous innovations in industries, global competition and new business requirements have led to raising the employability and success in professional career. The guidelines in building curriculum to improve not only the technical skills and also the soft –skills of the graduates which in turn increases the employability of the graduates.

The course outcomes which lead to programme outcomes play a major role in formulating and revising the curriculum. This Outcome Based Education correlates with the Mission and Vision of VISTAS. The course outcomes for each course are identified to realize the programme outcomes. All the courses relevant to the particular programme, offered by VISTAS are aligned with programme outcomes.

While delineating the outcomes, the following are taken into account

- As per Bloom’s taxonomy, the learning outcomes are measurable and stated with action verbs.
- The learning outcomes are complete in structure and statement that clearly describe the knowledge, skill and application of the students.
- The learning outcomes are achieved by the resources such as efficient faculties, well-equipped digital library, laboratory, e-learning resources, etc.
- The COs and POs are identified to meet the global standards as per the norms of NBA, NAAC, etc.
- The COs are designed to cover the entire syllabus.

Mechanism of Communication

- Syllabus for all the programmes are well planned in advance before the commencement of the classes. The syllabus and the list of prescribed text books and reference book, learning objectives and learning outcomes are made available in VISTAS website.
- Course handouts are prepared and communicated to students through Registrar’s circular. Also, the details of COs and POs are communicated to students in department meeting.
- The students are given clear instructions about learning outcomes through mentors and faculty members in the class rooms.
- Booklets containing syllabus, Course and Programme objectives and outcomes with reference books are printed and circulated to all the students.
- A few hard copies of syllabus booklet are made available in the departments.
- The details of course and programme outcomes are uploaded in the website and communicated to teachers and students.
- On the reopening day the Vice Chancellor, Registrar and Controller of Examinations address the students about the general features Curriculum and course and program outcome.
- Orientation programmes for students and teachers about COs, POs and the method of attainment of learning outcomes are conducted by the departments concerned.
- Workshops are conducted to develop the course and programme learning objectives and outcomes.
- Programme learning outcomes are available on VISTAS website for each programme.

File Description	Document
COs for all courses (exemplars from Glossary)	View Document
Link for Additional Information	View Document

2.6.2 Attainment of program outcomes, program specific outcomes and course outcomes are evaluated by the institution

Response:

VISTAS collects and evaluates data on program and course outcomes and uses them to assess the Outcome-Based Education.

The assessment takes place at course level and program level. The method of attainment of COs, POs and PSOs start from writing appropriate COs for each course of the program from 1st year to final year of any degree (UG and PG). The COs are written by respective faculty members using action words. Then a

correlation is established between COs and POs in the scale of 1 to 3, 1 being low, 2 being medium and 3 being high. A mapping matrix is prepared in this regard for every course including elective courses. The COs written and their mapping with POs are reviewed by the Program Outcome Assessment Committee (POAC). The following tables show the COs and POs mapping matrix for a sample course. Course outcome mapping is tabulated to measure the course outcomes.

Table 1: Course Outcome

Course Name:

Course Code:

Course Outcome No.	Course Outcome
CO1	
CO2	
CO3	
CO3	
CO4	

Table 2: Mapping of Course Outcomes with Program Outcome

CO No.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
CO1									
CO2									
CO3									
CO4									

From the mapping matrix of COs and POs for all the courses as above, a ‘Program level Course-PO matrix’ of all the courses including first year courses is prepared. Table. 3 below shows ‘Course PO’ mapping matrix.

Table 3 Program level Course-PO matrix for all the courses

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
C101									
C102									
C103									
.									
.									
C201									
C202									
.									
.									
C301									
C302									

II.1 Attainment of COs

Course Outcomes are narrower statements that describe what students are expected to know, and be able to do at the end of each course.

In VISTAS, the CO attainment levels are measured based on the results of the internal assessments and end

semester examination. This is a form of direct measurement of attainment of outcomes. Three internal assessment tests are conducted for each course in a semester. In each test the percentage of students who achieve above 60% of marks (24 out of 40) for the COs are computed. Based on the average percentage of these tests the attainment level is decided.

Attainment level 1: 60% of students who scored more than 60% marks.

Attainment level 2: 70% of students who scored more than 60% marks.

Attainment level 3: 80% of students who scored more than 60% marks.

- Student exit surveys, employer survey, co-curricular and extra-curricular activities are used for determining in-direct attainment of POs and PSOs
- 80% of direct attainment and 20% in-direct attainment are taken into consideration.
- Detailed summary reports of attainment of each CO and POs are presented to the POAC and reasons for non-attainment are analyzed.
- Based on the analysis, action plan with remedial measures are implemented to address the gaps in learning outcomes.

File Description	Document
Link for Additional Information	View Document

2.6.3 Average pass percentage of Students

Response: 81.15

2.6.3.1 Total number of final year students who passed the examination conducted by Institution.

Response: 1976

2.6.3.2 Total number of final year students who appeared for the examination conducted by the institution

Response: 2435

File Description	Document
List of programs and number of students passed and appeared in the final year examination	View Document
Link for annual report	View Document

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response: 3.82

Criterion 3 - Research, Innovations and Extension

3.1 Promotion of Research and Facilities

3.1.1 The institution has a well defined policy for promotion of research and the same is uploaded on the institutional website

Response: Yes

File Description	Document
Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View Document
Any additional information	View Document
URL of Policy document on promotion of research uploaded on website	View Document

3.1.2 The institution provides seed money to its teachers for research (average per year)

Response: 24.77

3.1.2.1 The amount of seed money provided by institution to its faculty year-wise during the last five years(INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
43.1	12	10.6	28.32	29.85

File Description	Document
Minutes of the relevant bodies of the University	View Document
List of teachers receiving grant and details of grant received	View Document
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View Document
Any additional information	View Document

3.1.3 Number of teachers awarded international fellowship for advanced studies/ research during the last five years

Response: 1

3.1.3.1 The number of teachers awarded international fellowship for advanced studies / research year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
1	0	0	0	0

File Description	Document
List of teachers and their international fellowship details	View Document
e-copies of the award letters of the teachers.	View Document
Any additional information	View Document

3.1.4 Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates, other research fellows in the university enrolled during the last five years

Response: 56

3.1.4.1 The Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other research fellows in the university enrolled year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
27	8	4	5	12

File Description	Document
List of research fellows and their fellowship details	View Document
Any additional information	View Document

3.1.5 University has the following facilities

1. Central Instrumentation Centre
2. Animal House/Green House / Museum
3. Central Fabrication facility
4. Media laboratory/Business Lab/Studios
5. Research/Statistical Databases

Any four facilities exist

Three of the facilities exist

Two of the facilities exist

One of the facilities exist

Response: Any four facilities exist

File Description	Document
List of facilities provided by the university and their year of establishment	View Document
Any additional information	View Document
Link to videos and photographs geotagged	View Document

3.1.6 Percentage of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other similar recognition by government agency

Response: 92.68

3.1.6.1 The Number of departments with UGC-SAP, CAS, DST-FIST ,DBT,ICSSR and other similar recognition by government agency

Response: 38

File Description	Document
List of departments and award details	View Document
e-version of departmental recognition award letters	View Document

3.2 Resource Mobilization for Research

3.2.1 Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution during the last five years (INR in Lakhs)

Response: 1181.96

3.2.1.1 Total Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year-wise during the last five years(INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
912.6	160.35	64.16	15.00	29.85

File Description	Document
List of project and grant details	View Document
e-copies of the grant award letters for research projects sponsored by non-government	View Document

3.2.2 Grants for research projects sponsored by the government sources during the last five years

Response: 337

3.2.2.1 Total Grants for research projects sponsored by the government sources year-wise during the last five years(INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
182.2	25	41	26.8	62

File Description	Document
e-copies of the grant award letters for research projects sponsored by government	View Document
Any additional information	View Document

3.2.3 Number of research projects per teacher funded, by government and non-government agencies, during the last five year

Response: 0.24

3.2.3.1 Number of research projects funded by government and non-government agencies during the last five years

Response: 119

3.2.3.2 Number of full time teachers worked in the institution during the last 5 years

Response: 2494

File Description	Document
Supporting document from Funding Agency	View Document
Any additional information	View Document
Link for funding agency website	View Document

3.3 Innovation Ecosystem

3.3.1 Institution has created an eco system for innovations including Incubation centre and other initiatives for creation and transfer of knowledge

Response:

VISTAS is one among the pioneering institutes supporting innovation through research in the multidisciplinary approach. VISTAS have created an appropriate ecosystem for Research and Innovation by establishing Center for advanced Research and Development (CARD), Central Instrumentation Facility and Incubation Center.

The VISTAS's Board of Management (BOM) has approved a budget of Rs. 50 lakhs towards seed funding for the financial year 2017-18. Total of 37 Research Projects have been completed with few patent publications.

CARD has been established to promote research among faculty members, research scholars and students. The primary objective of the CARD is to create research culture among the stakeholders. A strong contingent of 45 persons belonging to all the above disciplines is devoting full time on Research and Development. The team is working on Wind and Solar Energy, Environmental Engineering, Alternative fuel, Nanotechnology, Plant tissue culture, Animal biotechnology, Fish immunology, Stem cell research, Drug designing and Testing, Digital Innovations, Big data and Virtualization etc. CARD has undertaken various R&D Funding Projects from Government and Non Government agencies worth Rs 5 Crores for the last five years.

The Central Instrumentation Facility is an integrated sophisticated analytical equipment center worth Rs 10 Crores established in 2017 to help scientific community for their advanced research. Currently the center is housed with the state of the art Equipment Facilities like Field Emission Scanning Electron Microscope (Quattro ESEM) with ultra high resolution, X Ray diffraction, BET Surface Area and Pore Size Analyzer, Particle size Analyzer and HP TLC analyzer. Currently the CIL offers Consultancy services for both academic and Industrial communities in solving the challenging Scientific and Industrial Tasks.

VISTAS has established an Incubation centre. The aim of the centre is to focus on innovation, incubation, entrepreneurship, Start-Ups and commercial success. The centre is facilitated with unlimited internet connectivity, product development consultancy, IP rights & licensing methodology. An exclusive start up Student lounge at 540 sqft and Skill development centre at 1400 sqft was established.

An "ATM Autocontroller" machine innovated by the Incubation center has been installed in ATMs of SBI & Indian Bank and extended to save energy in VISTAS campus also. A "cyber security" product development and commercialization has been initiated. Similar activities in developing products for IoT in health care, IoT for Road safety and Agriculture are in pipeline. We have a strong IPR Cell and it has organized several seminars and workshops for the faculty and students to sensitize them to go for patenting of their innovations. The procedures for patenting have been explained to the participants by the experts and IPR attorneys. This has resulted in the filing of 28 patents of which one has been granted.

As a part of research VISTAS has 830 Part Time and Full time Research Scholars and Nearly 216 PhD and 316 M Phil completed their research in the past 5 years. Board of Research meets periodically and

monitors the process of Research efficiently.

File Description	Document
Any additional information	View Document
link for additional information	View Document

3.3.2 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry - Academia Innovative practices during the last five years

Response: 36

3.3.2.1 Total number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
10	9	7	2	8

File Description	Document
Report of the event	View Document
List of workshops/seminars during the last 5 years	View Document

3.3.3 Number of awards for innovation won by institution/ teachers/ research scholars/students during the last five years

Response: 206

3.3.3.1 Total number of awards for innovation won by institution/teachers/research scholars/students year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
97	31	32	23	23

File Description	Document
List of innovation and award details	View Document
e- copies of award letters	View Document

3.3.4 Number of start-ups incubated on campus during the last five years**Response:** 12**3.3.4.1 Total number of start-ups incubated on campus year-wise during the last five years**

2017-18	2016-17	2015-16	2014-15	2013-14
4	2	1	5	0

File Description	Document
List of startups details like name of startup, nature, year of commencement etc	View Document
e- sanction order of the University for the start ups on campus	View Document
Contact details of the promoters for information	View Document

3.4 Research Publications and Awards**3.4.1 The institution has a stated Code of Ethics to check malpractices and plagiarism in Research****Response:** Yes

File Description	Document
Any additional information	View Document

3.4.2 The institution provides incentives to teachers who receive state, national and international recognition/awards**Response:** Yes

File Description	Document
e- copies of the letters of awards	View Document
Any additional information	View Document

3.4.3 Number of Patents published/awarded during the last five years**Response:** 2**3.4.3.1 Total number of Patents published/awarded year-wise during the last five years**

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	2	0	0

File Description	Document
List of patents and year it was awarded	View Document
Any additional information	View Document

3.4.4 Number of Ph.D.s awarded per teacher during the last five years

Response: 2.84

3.4.4.1 How many Ph.Ds are awarded within last 5 years

Response: 182

3.4.4.2 Number of teachers recognized as guides during the last five years

Response: 64

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	View Document
URL to the research page on HEI web site	View Document

3.4.5 Number of research papers per teacher in the Journals notified on UGC website during the last five years

Response: 3.91

3.4.5.1 Number of research papers in the Journals notified on UGC website during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
854	456	308	223	109

File Description	Document
List of research papers by title, author, department, name and year of publication	View Document

3.4.6 Number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings per teacher during the last five years**Response:** 0.82

3.4.6.1 Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
93	120	57	54	85

File Description	Document
List books and chapters in edited volumes / books published	View Document

3.4.7 Bibliometrics of the publications during the last five years based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index**Response:** 1.56

File Description	Document
BiblioMetrics of the publications during the last five years	View Document

3.4.8 Bibliometrics of the publications during the last five years based on Scopus/ Web of Science - h-index of the Institution**Response:** 14

File Description	Document
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the University	View Document

3.5 Consultancy**3.5.1 Institution has a policy on consultancy including revenue sharing between the institution and the individual****Response:** Yes

File Description	Document
Soft copy of the Consultancy Policy	View Document
Minutes of the Governing Council/ Syndicate/Board of Management related to Consultancy policy	View Document
URL of the consultancy policy document	View Document

3.5.2 Revenue generated from consultancy during the last five years

Response: 7.48

3.5.2.1 Total amount generated from consultancy year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
0.73	0.49	0.16	1.97	4.13

File Description	Document
List of consultants and revenue generated by them	View Document
Audited statements of accounts indicating the revenue generated through consultancy	View Document
Any additional information	View Document

3.5.3 Revenue generated from corporate training by the institution during the last five years

Response: 14.61

3.5.3.1 Total amount generated from corporate training by the institution year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
2.83	11.78	0	0	0

File Description	Document
List of teacher consultants and revenue generated by them	View Document
Audited statements of account indicating the revenue generated through training	View Document
Any additional information	View Document

3.6 Extension Activities

3.6.1 Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years

Response:

VISTAS organizes Social awareness camps on Energy, Environment Protection, Drinking Water Quality, Usage of Medicine and Hygiene, Sanitation, Public Health, Self Help groups, Noise awareness, Breast cancer etc., for the holistic and sustained community development.

The VISTAS sensitizes its faculty and students to its Institutional Social Responsibilities. They are encouraged to take part in these activities in collaboration with GOs, NGOs, SHGS, local bodies etc. in carrying out these societal outreach programmes.

The prominent contributions of the Institution include:

- Servicing the public through various awareness camps
- Involvement in Government organized health care programmes
- flood relief, disease outbreaks and disaster management,
- Environmental awareness camp, etc.,

The VISTAS also organizes the Student-centric programmes such as

- Diabetes Day
- Women's Day
- Environment Day
- Vels Health Day etc.,

Several awards and appreciation have been received by the faculty in activities like ,

- National Children Science Congress,
- South India Culinary Association (SICA) award,
- Taekwondo Championship,
- TamilNadu State Volley Ball Association award etc.

The School of Pharmaceutical Sciences was awarded with the

- Outstanding Service Award 2013 by Indian Association of Blind,
- Madurai on March 2013 for recognition of voluntary contribution for the empowerment of persons with visual challenges.
- Lotus Chess Academy and Little Raju Academy presented an appreciation award for conducting Chess Tournament 2015

VISTAS has received the Best Contributor award towards

- Building “India Skills Report 2016” at CII National Skills Summit at The Taj Palace, New Delhi on 26th of November, 2015.
- Academic Achievement Award from Revature India at Rani Seethaiyammal Hall, Chennai on 15th August, 2016.
- Best Multi-disciplinary Deemed VISTAS Award and Best Library award from Pearl Foundation, Madurai on 10.12.2016.
- Academic Partner Excellence Award” for the year 2017 by ICT Academy, Govt. of Tamil Nadu, on 28.02.2017.
- **PRADHAN MANTRI BHARTIYA JANAUSHADHI KENDRA** is an initiative of Department of Pharmaceuticals, Ministry of chemicals & fertilizers Government of India in order to ensure the availability of quality medicines at affordable prices to all, based on the vision of the Prime Minister of India. The Pradhan MantriJanaushadhi Kendra (Generic Medical Store) was initiated in the VISTAS, Pallavaram, Chennai was inaugurated by Dr. S Manivanan, Deputy Drugs Controller, Central Drugs Standard Control Organization (CDSCO), New Delhi on 19th March 2018.This generic medical store provides quality medicines at affordable cost to the public.

The other activities in VISTAS pertaining to socio-economic development

- **Swachh Bharat Abhiyan** is implemented to maintain the cleanliness in and around the campus and to create awareness about the role of clean environment
- More than 40 Blood Donation camps have been organized.
- Awareness of Legal Rights
- Regular Health camps periodically conducted in the campus as well as nearby rural areas.
- Training of Rural women and Farmer training
- Aids Awareness
- Free Eye Camp in Rural Areas
- Social Training in Rural areas through NSS activities
- Dengue Awareness Camp. Nilavembu Kasayam Freely Provided during the Camp in rural Areas.
- Achieved Guinness World Record Bharatam 5000

File Description	Document
link for additional information	View Document

3.6.2 Number of awards and recognition received for extension activities from Government /recognised bodies during the last five years

Response: 30

3.6.2.1 Total number of awards and recognition received for extension activities from Government /recognised bodies year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
20	8	0	1	1

File Description	Document
Number of awards for extension activities in last 5 years	View Document
e-copy of the award letters	View Document

3.6.3 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the last five years

Response: 122

3.6.3.1 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
35	28	20	25	14

File Description	Document
Reports of the event organized	View Document
Number of extension and outreach programs conducted with industry,community etc for the last five years	View Document

3.6.4 Average percentage of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last five years

Response: 47.83

3.6.4.1 Total number of students participating in extension activities with Government Organisations, Non-

Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
8050	4759	2367	4030	1870

File Description	Document
Report of the event	View Document
Average percentage of students participating in extension activities with Govt. or NGO etc.	View Document

3.7 Collaboration

3.7.1 Number of Collaborative activities for research, faculty exchange, student exchange per year

Response: 19.8

3.7.1.1 Total number of Collaborative activities for research, faculty exchange, student exchange year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
35	40	09	07	8

File Description	Document
Number of Collaborative activities for research, faculty etc	View Document
Copies of collaboration	View Document

3.7.2 Number of linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the last five years

Response: 427

3.7.2.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
135	133	76	35	48

File Description	Document
e-copies of linkage related Document	View Document
Details of linkages with institutions/industries for internship	View Document

3.7.3 Number of functional MoUs with institutions of National/ International importance, Other Institutions, Industries, Corporate houses etc., during the last five years (only functional MoUs with ongoing activities to be considered)

Response: 194

3.7.3.1 Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years (only functional MoUs with ongoing activities to be considered)

2017-18	2016-17	2015-16	2014-15	2013-14
73	54	33	23	11

File Description	Document
e-copies of the MoUs with institution/ industry/ corporate house	View Document
Details of functional MoUs with institutions of national, international importance, other universities etc during the last five years	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The institution has adequate facilities for teaching - learning. viz., classrooms, laboratories, computing equipment, etc

Response:

- The University has a total built-up area of 1,08,329sq.m. and 5,750 sq.m was added between 2012 and 2017.
- 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 made student-centric focusing on LMS, KMS, Blended Teaching, flipped class room model and e-Resources through Moodle. There are 142 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, eGPpathsala, CEC, e-VidyaMitra, e-Kalpa, e- Acharya etc.
- The clean and green campus has all facilities such as Playgrounds, Hostels, IT Infrastructure including Wi-Fi facility, 24 hours Power backup, well equipped Centralized Library, Cafeteria,Bank, ATM and five Auditoriums (One open air theatre) with a capacity of 1500, 300, 150. Six air-conditioned seminar halls with a seating capacity of 150 each are also available.
- There are 306 class rooms, 162 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.
- In the last Five years, infrastructure such as buildings, electrical works and furniture worth of Rs.43.71 crores and sophisticated major equipment worthof Rs.13 crores have been added after the visit of the NAAC Peer team.
- The Incubation Centre and Central Instrumentation Centre have been strengthened after the NAAC visit.
- Each Department has having ICT facilities like, Laptops, Desktops and supporting gadgets, Internet facilities, Wi-Fi etc.,
- The total value accrues to over Rs.5 crores apart from the money invested on 2300 systems and laptops. During the last two years, more than 200 computers have been added to the stock.
- The equipment to student ratio and the computer to student ratio are maintained as per Statutory Bodies norms. Online tests for more than 1000 students can be administered at one go.
- To strengthen the Research facility, the following Centres have been formed and functioning well Centre for Advanced Research and Development, Centre for Fish Immunology, Centre for Energy and Alternative Fuels, Centre for Materials Research, Centre for Automation and Energy Conservation, Centre for IOT Healthcare, Road Safety & Agriculture, Common Instrumentation Centre, Vels IPR Cell, VISTAS SPS Lab, Vels Incubation Centre
- There are nine hostels including two separate hostels for women students which can accommodate 2100 students. Hostels students are provided with TV, Yoga Hall, Indore Games, Wi-Fi facilities, power backup, 24hrs medical facilities and RO water and Internet enabled Surveillance cameras.
- Facilities for the disabled students such as wheel chair special toilet, ramps and Lift also provided.

- The University believes in continuous up-gradation of infrastructure including Library, Power backup, Internet bandwidth, Class rooms, furniture, etc., to meet the changing needs of academic environment.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

4.1.2 The institution has adequate facilities for sports, games (indoor, outdoor),gymnasium, yoga centre etc., and cultural activities

Response:

- Believing in the co-existence of a sound body and a sound mind, VISTAS has a spacious play ground with well laid courts in various fields.
- Full fee concession and free boarding and lodging given to sports quota students.The incentive amount will be provided to players who participate at Inter-University and National level.
- To promote sports and games and to motivate the students to develop their sporting spirit, the academy conducts inter-collegiate tournaments and Inter-school State level tournaments in Volley Ball, Kho-Kho and Cricket.
- Every year it organizes summer coaching camps in Swimming and Cricket.
- Every year we host a number of National and Regional games meet and our students have participated in State National level games & athletic meets representing the University.
- Shri.IshariVelan Memorial Rolling Trophy is awarded during the state level inter collegiate tournament for Swimming, Basketball and Volley ball – Men and Women.
- “Fitness leads to fineness”. Students regularly exercise and sweat out in the modern and well equipped Gymnasium, built according to the specifications of national standards.
- The Modern Multi-Gym has 11 stations for various exercises.
- Yoga practice is provided by World Community Service Centre, Vision for Wisdom- Coimbatore.

Sports facilities available in our campus are given below:

Description of Sports / Games	Area / size (Mts)	Year Establishment	of User rate Per week
Tennikoit	12 X 10	2005	60
Throw ball	25 X 20	2006	120
Swimming Pool	25 X 14	2006	360
Football	100 X 50	2007	280
Ball Badminton	30 X 25	2007	120
Badminton (Outdoor)	22 X 15	2007	140
200 mtrs Track	115 X 60	2007	20
Volleyball - 2 Nos.	30 X 20	2008	180
Basketball	36 X 20	2008	100

Indoor Games	40 X 20	2008	120
Kabaddi	21 X 20	2010	210
Fitness Centre (gymnasium)	21 X 9	2014	240
Cricket Practice Pitch – 3 Nets	10 X 25	2015	140
Yoga Centre	30 X 15	2016	240

Cultural Activities

- Cultural Events are helpful for the students to understand, and value the diverse background of the students.
- A number of events are organized to promote cultural activities. Students are permitted to participate in events organized by institutions in TamilNadu and other Southern States.
- The Annual Mega event of Vels Nakshatra is celebrated every year and nearly 100 institutions from all over India participate in the two days event.
- An open air auditorium named as Velan Arangam with a seating capacity of 4000 is within the University campus to promote cultural activities.
- Music Clubs and Fine-arts clubs with necessary musical instruments are functioning to promote music in cultural activities such as Violin, Guitar, Veena, Harmonium, Mruthangam, Tabla, Baubo, Tambura, Maracus, Drums and Keyboard.
- The students are also kept busy at Entrepreneur Development Club, English Literary Club, Tamil Literary Club etc.
- The University can take pride for having hosted a big Guinness Record event of Bharatham 5000 held in 2017.

File Description	Document
Any additional information	View Document
link for additional information	View Document

4.1.3 Percentage of classrooms and seminar halls with ICT - enabled facilities such as smart class, LMS, etc

Response: 44.79

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 142

File Description	Document
Number of classrooms and seminar halls with ICT enabled facilities	View Document
Any additional information	View Document
Link for additional information which is optional	View Document

4.1.4 Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.**Response:** 83.34

4.1.4.1 Budget allocation for infrastructure augmentation, excluding salary year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
3677.48	3040.25	3671.16	3524.79	3816.32

File Description	Document
Audited utilization statements	View Document
Any additional information	View Document

4.2 Library as a Learning Resource**4.2.1 Library is automated using Integrated Library Management System (ILMS)****Response:**

The VISTAS Library building spans over an area of 20,000 sq. ft. It has a seating capacity of 500 persons and follows Open Access System blended with State-of-the art facilities. The library houses a collection of 114644 Books and 11680 Back Volumes. It subscribes to more than 350 Periodicals (National & International), 12381 E-journals, 141717 E-Books, 4448 Dissertations, 5067 Audio-Visual resources. Our Vision is to provide world-class knowledge resources that not only cater to the curricular requirements but also provide intellectual enquiry and research. On all working days the services of the following sections of the Central Library will remain open from 8.00 a.m. to 8.00 p.m. Stack Area-I, Stack Area – II, Reference Section, Periodical Section, Research Carrels, e-Knowledge Resource Centre, Virtual Learning Centre and Reprographic Section. Touch Screen User Interface Design established for an interactive library. Library provided Institutional repository services using D-Space. The library is air conditioned and CCTV surveillance is provided on 24/7 basis. The Central Library of VISTAS aims “To provide Physical and Virtual Environments, Services and Resources that meet the diverse needs of the Academic Community”.

Access to e-journals, databases, e-books, etc., is provided with VISTAS Library portal (www.library.velsuniv.ac.in & www.velslibrarysubjectgateway.com). Library website also provides information about resources, sources, rules & regulations. All resources are accessible locally within the campus as well as remotely.

The transactions of the Library are partially automated with LIBGENIE, an Integrated Library Management Software Package, with all modules. A traditional library has been transformed into an automated library which includes Online Public Access Catalogue (OPAC) and Bar-coding system for

Books, Non-Book Materials and ID cards to enable Laser Scanning of Issues and Returns. The automation covers the entire gamut of Library activities such as Acquisition, Circulation with provision for renewal, reservation, serial control and generating various types of reports and statistics.

1. Name of the ILMS software	:	LIBGENIE
2. Nature of automation (fully or partially)	:	Partially
3. Version	:	3.0 (2016)
4. Year of automation	:	2003

File Description	Document
Any additional information	View Document
link for additional information	View Document

4.2.2 Collection of rare books, manuscripts, special reports or any other knowledge resource for library enrichment

Response:

The VISTAS Library is having a collection of rare books, manuscripts, special reports and other knowledge resources to support information needs of the students, faculty and the research scholars for their specific study and reference purposes.

1. Rare Books

The Library holds about 1502 rare books from the year 1762. It includes the documents on classics, demography, religions, literary criticism, biographies, philosophies, Ancient Indian Culture, and other subjects like pharmaceutical sciences, basic sciences, life sciences, astronomy, economics, literature, engineering and technology etc.

2. Manuscripts

The library has about 113 manuscript collections which are made available in the form of e-resources.

3. Special Reports

The Library holds about 134 reports published by World Health Organization (WHO), Reserve Bank of India (RBI), Ministry of Health and Family Welfare (MHFW), British Herbal Medicine Association, United States Pharmacopoeial Convention, MHRD and Government of India publications are available.

4. Other Knowledge Resources

The Library holds about 475 knowledge resource collections from the year 1800. These knowledge resources include handbooks, manuals, standards, biographies, gazetteers, dictionaries, thesaurus, encyclopaedias, maps, and atlases.

5. Bibliographic Compilation

The Library is an Institutional Member of DELNET (Developing Library Network) and it maintains an online Union Catalogue of books available in its member-libraries. It offers access to more than 2,66,60,000 bibliographic records of books, periodicals, articles, theses & dissertations, video recordings, sound recordings and other databases. The information can be retrieved by author, title, subject, conference, series, etc.

6. Reference Collections

A collection of 14,002 books comprising Encyclopedias, Dictionaries, Manuals, Year Books, Hand Books and Subject Books in International Standards by Foreign authors. Some of the high value books and titles of text books are also added to the reference collection, the latter for helping students access even when all textbooks are in issue.

7. National Digital Library

Ministry of Human Resource Development (MHRD) under its National Mission on Education through Information and Communication Technology (NME-ICT) has initiated the National Digital Library (NDL) pilot project to develop a framework of virtual repository of learning resources with a single-window search facility. It is being arranged to provide support for all academic levels, including researchers and lifelong learners and developed to help students to prepare for entrance and competitive examination. The Central Library is an Institutional Member of NDL and the resources of NDL are being accessed by the students and staff.

8. South Asian Archive and World e-Book Library

The Library is an Institutional Member of e-Shodh Sindhu consortium. It offers to access of two e-resources World e-Book Library and South Asian Archive.

The World e-Book Library including 3 million (30,00,000) primary sources spanning past 1,000 years of world history in more than 320 different languages. In addition, contemporary journal collections of WeL include scholarly journals and academic articles from every academic field.

The South Asia Archive contains more than 4.5 million pages spanning the period of 18th and mid-20th century from documents across the Indian subcontinent, including India, Pakistan, Burma, Afghanistan and Bangladesh.

File Description	Document
Any additional information	View Document
link for additional information	View Document

4.2.3 Does the institution have the following

- 1.e-journals
- 2.e-ShodhSindhu
- 3.Shodhganga Membership
- 4.e-books
- 5.Databases

Any 4 of the above

Any 3 of the above

Any 2 of the above

Any 1 of the above

Response: Any 4 of the above

File Description	Document
Details of subscriptions like e-journals,e-ShodhSindhu,Shodhganga Membership etc	View Document
Any additional information	View Document

4.2.4 Average annual expenditure for purchase of books and journals during the last five years (INR in Lakhs)

Response: 61.57

4.2.4.1 Annual expenditure for purchase of books and journals year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
75.40	60.16	65.37	50.26	56.67

File Description	Document
Details of annual expenditure for purchase of books and journals during the last five years	View Document
Audited statements of accounts	View Document
Any additional information	View Document

4.2.5 Availability of remote access to e-resources of the library

Response: Yes	
File Description	Document
Any additional information	View Document

4.2.6 Percentage per day usage of library by teachers and students	
Response: 19.05	
4.2.6.1 Number of teachers and students using library per day over last one year	
Response: 2187	
File Description	Document
Any additional information	View Document

4.2.7 E-content is developed by teachers :	
<ol style="list-style-type: none"> 1. For e-PG-Pathshala 2. For CEC (Under Graduate) 3. For SWAYAM 4. For other MOOCs platform 5. For NPTEL/NMEICT/any other Government Initiatives 6. For Institutional LMS 	
Any 5 of the above	
Any 4 of the above	
Any 3 of the above	
Any 2 of the above	
Response: Any 2 of the above	
File Description	Document
Details of e-content developed by teachers for e-PG-Pathshala, CEC (UG)	View Document
Any additional information	View Document
Give links or upload document of e-content developed	View Document

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

- VISTAS has a policy to focus conveniently to create and enhance IT Infrastructure facilities to promote research and also advancement in Teaching Learning methods.
- A centralized server that is operational 24/7 is maintained in cloud regularly to provide uninterrupted IT services for students and staff. The institution has firewalls in place to prevent hacking and cybercrime.
- The LAN firewall provides limited access thereby protecting sensitive data. All the data is maintained in the centralized server to prevent data loss. Adequate measures are taken to prevent the risk of data corruption. Protection against hacking and other information security threats is also ensured.

Number of systems with individual configurations

- Desktop (Intel i7, Intel i5, Intel i3 processor with 4-8GB RAM and 1TB Hard disk.
- Dual Core and core 2duo, P4 Processor with 2GB RAM and 250 GB to 500 GB HDD)
- Laptop (i3 Processor with 2-4GB RAM with 1 TB Hard disk)
- Total number of systems- 2300

Dedicated computing facilities

1. Internet in All Computer Labs
2. Internet in Guest House
3. Wi-Fi in All Hostels
4. Paid Printing
5. LCD Projectors
6. Audio Visual Class rooms

LAN facility

- One network across the campus and access internet/intranet resources under Uniform network policy
- VISTAS has Wi-Fi facility for students and faculty members to avail internet connection in the campus, hostel & staff quarters. The connectivity through a fully networked campus with state-of-the-art IT infrastructure, computing & communication resources, offers students the facilities of e-mail, Netsurfing, up/down loading of web based application, besides helping them in preparing projects & seminars.

Software

- Windows server 2012
- Windows server 2016
- Windows server 2003
- Windows 7
- Windows 8

- Windows 10
- BOSS Linux
- Ubuntu
- Turbo C
- Turbo C++
- Netbeans
- Java
- Xampp
- PHP
- MYSql
- Oracle 10g
- Microprocessor 8086
- SAP
- Visual Basic
- HTML
- XML
- Eclipse
- IBM SPSS
- IBM COGNOS
- Oracle 10g
- SQL
- VMWARE
- ERP
- Moodle
- Lecture Video Capturing Software (Opencast)

• WIFI Facility (Dlink, CISCO, Netgear, Aruba , Belkin , Ruckus) with 100% Secure Wi-Fi Coverage	December
• CCTV Surveillance enabled campus Up-gradation	March 1
• Up-gradation of Projector with individual PA system for classroom and seminar rooms.	March 1
• Firewall Procurement (Cyberoam – CR1500iNG)	March 1
• Upgraded Biometric with Access control system	December
• Academic LAB Up-gradation as per Software requirement Every year	September
• Firewall Up-gradation (from Sonic wall to Cyberoam)	April 2
• Access Points (Aruba & Rucks) Installation with Secure Wi-Fi Coverage using MAC Authentication	April 2
• K7 Antivirus Version – 14.2	Every
• Faculty Laptop changed/upgraded (Lenovo 80Q)	June 2
• End-User UPS changed and upgraded across the campus	September
• User end Desktop changed (DELL /ACER)	September
• Wi-Fi enabled Campus and students and faculty members have access to electronic databases which encourages them to use e-learning resources	Every

File Description	Document
Any additional information	View Document
link for additional information	View Document

4.3.2 Student - Computer ratio	
Response: 4.71	
File Description	Document
Any additional information	View Document

4.3.3 Available bandwidth of internet connection in the Institution (Lease line)	
?1 GBPS	
500 MBPS - 1 GBPS	
50 MBPS-250 MBPS	
250 MBPS-500 MBPS	
Response: ?1 GBPS	
File Description	Document
Any additional information	View Document

4.3.4 Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS)	
Response: Yes	
File Description	Document
Facilities for e-content development such as Media Centre, Recording facility,LCS	View Document
Link to photographs	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1 Average Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, as a percentage during the last five years
Response: 100
4.4.1.1 Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
4857.99	3973.94	4336.34	3992.38	4168.53

File Description	Document
Details about assigned budget and expenditure on physical facilities and academic facilities	View Document
Audited statements of accounts.	View Document
Any additional information	View Document

4.4.2 There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Response:

VISTAS Maintenance Management System inclusive of Physical, Academic and Support facilities

Physical facilities

Checking of Buildings, Laboratories, Class Rooms, Library, Computers, General Maintenance, Environmental Services and Electrical Maintenance etc.,

Facilities	Operation
Annual Maintenance for all major equipment	: Annual Maintenance
Annual stock verification of all departments equipment	: Annually
Civil work	: Once in two years
Cleaning of Class Rooms, Laboratories, Library, Floors and Hostels etc.,	: Daily Two Times
Brooming & Mopping	
Emptying waste baskets	: Daily
Green cover Garden	: Maintaining by the Gardeners
Computer maintaining	: Scanning of Virus periodically
	AMC is followed

		All the software tools are updated	
Maintenance of ICT Smart Class rooms and the related system	:	Maintained with AMC	
Lock and Key control of each and every Class Rooms, Laboratories and Main Blocks	:	Maintained by concerned Lab. Asst., daily and recorded in security	
Disposal of damaged Furnitures and unused equipments	:	Maintenance department.	
Cleaning of Building /Walls / Doors / Windows	:	Weekly one / need arises	
Grounds	:	On daily basis	
Electrical equipments	:	As and when needed	
Building service requirements like Painting, wiring, plumbing works etc.,	:	When need arises	
Fire Extinguishers	:	Inspected periodically	
Toilets / Rest room / Wash basins etc.,	:	Two times daily	
Academic			
Annual stock verification of Books	:	By staff members of various departments.	
Deployment in Library	:	By OPASS System	
Shifting & moving of Books	:	Periodically	
Cleaning of Lecture Halls, Conference Room, Auditorium, Class Rooms, Every block floors, staircases	:	Daily basis	
		Brooming & Mooping	
Cleaning Sports equipments	:	Daily	
Cleaning Gym and indoor Games hall	:	Daily	
Computer of each & every department	:	Maintained and administered by the engineers, & system administrators.	System
		Their routine work consist of deleting unwanted programs. Defragment of Disks, Scan for Virus and regular cleaning etc., and also separate contractor to collect e-waste.	
Internet and Wi-Fi facilities	:	Managed by IT Manger	
Support facility			
Water treatment, RO Plant, (Safe drinking water for entire campus)	:	Maintenance department team	
Bio-Gas plant- Biodegradable waste is converted in to manure by a modern machine	:	Dispose of manure – by Maintenance department	
Solar system is used for generation of Electricity	:	Well maintained by the Electrical department	
UPS & Generator	:	Service is done regularly by Exotic Power Solution Pvt. Ltd.,	
Website of the University	:	Maintained data updating regularly	
ERP	:	Updated by First Line Infotech Pvt Ltd.,	

Cyberoam firewall is installed to correct to control to: bandwidth utilization	:	Daily Monitoring and Maintained by department	by I
CC TV camera in each block	:	Daily Monitoring and Maintained by department	by I
Mess facility for Hostel students	:	Daily Monitoring	
24 Hrs Clinic – Apollo Shine Hospital	:	24 Hrs with Ambulance	
Bank extension counter & ATM		Daily	
Canteen & Refreshment stall	:	Daily	
Generic Medicines Pharmacy		Daily	
Guest House		Daily	
Staff Quarters		Daily	
Post Box Clearing		Daily	

File Description	Document
Any additional information	View Document
link for additional information	View Document

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years

Response: 3.54

5.1.1.1 Number of students benefited by scholarships and freeships provided by the Government year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
63	54	441	416	345

File Description	Document
Upload self attested letter with the list of students sanctioned scholarships	View Document
Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years	View Document
Any additional information	View Document

5.1.2 Average percentage of students benefited by scholarships, freeships, etc. provided by the institution besides government schemes during the last five years

Response: 7.9

5.1.2.1 Total number of students benefited by scholarships, freeships, etc provided by the institution besides government schemes year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
1610	930	594	376	149

File Description	Document
Any additional information	View Document

5.1.3 Number of capability enhancement and development schemes –

- 1.Guidance for competitive examinations
- 2.Career Counselling
- 3.Soft skill development
- 4.Remedial coaching
- 5.Language lab
- 6.Bridge courses
- 7.Yoga and Meditation
- 8.Personal Counselling

7 or more of the above

Any 6 of the above

Any 5 of the above

Any 4 of the above

Response: 7 or more of the above

File Description	Document
Details of capability enhancement and development schemes	View Document
Any additional information	View Document
Link to Institutional website	View Document

5.1.4 Average percentage of students benefited by guidance for competitive examinations and career counselling offered by the institution during the last five years

Response: 70.58

5.1.4.1 Number of students benefited by guidance for competitive examinations and career counselling offered by the institution year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
6227	7101	5293	4739	5847

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	View Document
Any additional information	View Document

5.1.5 The institution has an active international students cell to cater to the requirements of foreign students

Response:

- VISTAS has an International student cell (<http://www.velsuniv.ac.in/nri-foriegn-students-admission-procedure.asp>) to assist them in the application process, **admission letter for visa approval, arranging hostel on their arrival and assistance in getting PR from embassies.**
- Provided with separate accommodation and special types of food on their request.
- Students are introduced to the culture of the local people and local students by the **Dean – Students Welfare.**
- **Bridge course** of two or three days’ duration is being conducted for this purpose. The International Students can thus feel at home.
- **Orientation** on their course and branch of study and advised on the precautions to be taken while moving within or outside the Institutions’ premises.
- Student counseling is offered through the International Student Cell (ISC),
- <http://www.velsuniv.ac.in/committees.asp>) providing information and assistance in choosing and sequencing the courses to be pursued. Information on Chennai City, its culture, people and historic sites are provided. Counseling support is also given in dealing with personal issues.
- The ISC maintains **two International Hostels**, one for men and one for women, conveniently located within the campus. The International Hostel for **boys (ISH)** has **40 rooms**, while the International Hostel (IH) for **girls** has **25 rooms**.
- ISC also maintains the **International Faculty Guest House** comprising of six fully furnished rooms, exclusively catering to the international exchange guests.
- The International Centre is responsible for the maintenance of both the hostels along with providing security to foreign students in the hostel.
- The Officer of International affairs look after the **immigration needs, visa requirements, money transfer, accommodation and cultural adaptations** of overseas students.
- Fee structures are as per **SAARC** for candidates from SAARC nations. Flexibility is shown in time, fee payment and accommodations.
- List of International Students admitted for the last five years <http://www.velsuniv.ac.in/nri-foriegn-students-admission-procedure.asp>

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

5.1.6 The institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases

Response: Yes

File Description	Document
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View Document
Details of student grievances including sexual harassment and ragging cases	View Document
Any additional information	View Document

5.2 Student Progression

5.2.1 Average percentage of placement of outgoing students during the last five years

Response: 62.23

5.2.1.1 Number of outgoing students placed year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
1442	1115	1118	1021	720

File Description	Document
Self attested list of students placed	View Document
Details of student placement during the last five years	View Document
Any additional information	View Document

5.2.2 Percentage of student progression to higher education (previous graduating batch)

Response: 10.12

5.2.2.1 Number of outgoing students progressing to higher education

Response: 200

File Description	Document
Upload supporting data for student/alumni	View Document
Details of student progression to higher education	View Document
Any additional information	View Document

5.2.3 Average percentage of students qualifying in State/ National/ International level examinations during the last five years (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)

Response: 2.58

5.2.3.1 Number of students qualifying in state/ national/ international level examinations (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil services/ State government examinations) year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
7	5	8	6	2

5.2.3.2 Number of students appearing in state/ national/ international level examinations (eg: NET/SLET/GATE/GMAT/CAT, GRE/TOEFL/ Civil Services/State government examinations) year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
180	182	172	478	536

File Description	Document
Upload supporting data for the same	View Document
Number of students qualifying in state/ national/ international level examinations during the last five years	View Document
Any additional information	View Document

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) during the last five years

Response: 6

5.3.1.1 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-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
2	2	0	2	0

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at national/international level during the last five years	View Document
e-copies of award letters and certificates	View Document
Any additional information	View Document

5.3.2 Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution

Response:

Student representatives participate as members in many of the committees for decision making. (<http://www.velsuniv.ac.in/committees.asp>)

1. Anti- Ragging Committee

- **Year of Inception** – 2008 -2009
- **No. of Students Member** – 5
- **Role**

Enquire in to allegations of ragging, if reported and initiate and initiate remedial action immediately.

2. Grievance Redressal Committee

- 1. **Year of Inception** – 2008 -2009
- **No. of Students Member** – 2
- **Role**

Enquire any grievance from student side will be rectified and initiated action within the time on the basis of grievance.

3. Class Level Committee

- **Year of Inception** – 2008 -2009
- **No. of Students Member** – 10 (Respective Class)
- **Role**

Academic related issues to be discussed and rectify the cases immediately.

4. Board of Studies – Alumni

- **Year of Inception** – 2008 -2009
- **No. of Students Alumni** – 2 (Respective BOS)
- **Role**

Academic and industry needs to be incorporated and implemented with valuable suggestions.

5. Sports Committee

- **Year of Inception** – 2008 -2009
- **No. of Students Member** – 12
- **Role**

Suggestions and recommendations for sports activities, sports quota selection, organizing tournaments, preparing budget for every ye

6. Hostel Advisory Committee

- **Year of Inception** – 2008 -2009
- **No. of Students Member** – 12
- **Role**

Committee involves acting as liaisons between the administration and the students. Owing to a wide range of people, the menu is prepared such that the cuisine preferences of all students are satisfied. The Hostel and Mess Committee holds the responsibility of keeping a check on the hostel infrastructure, housekeeping issues etc.

7. IQAC

- **Year of Inception** – 2008 -2009
- **No. of Students Member** – 6
- **Role**

Conduct the perspective plan meeting at the beginning of year. Prime agenda of the meeting would be review based planning of academic policies for the sustainable growth of the VISTAS.

8. Cultural Committee

- **Year of Inception** – 2008 -2009
- **No. of Students Member** – 18
- **Role**

The Cultural Committee shall be responsible for all intra and inter institutional cultural events in the. Plan and schedule cultural events for the academic

9. Women Development Cell

- **Year of Inception** – 2008 -2009
- **No. of Students Member** – 6
- **Role**

It is an active committee comprising of staff members and students of VISTAS, and functions with an aim to prevent sexual harassment, promote well being of all the female students and staff members and create a gender sensitized community within campus as well as in the society

10. Prevention of Sexual Harassment Committee

- **Year of Inception** – 2008 -2009
- **No. of Students Member** – 10
- **Role**

The committee has to ensure enough steps are taken to create awareness on the topic. If in case any person approaches any of the committee members, the member is immediately required to inform others. A written complaint is required to be taken from the aggrieved person, necessary action to be taken, preferably to settle the matter through counseling and conciliation as soon as possible.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

5.3.3 Average number of sports and cultural activities / competitions organised at the institution level per year

Response: 44

5.3.3.1 Number of sports and cultural activities / competitions organised at the institution level year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
44	46	45	43	42

File Description	Document
Report of the event	View Document
Number of sports and cultural activities / competitions organised per year	View Document
Any additional information	View Document

5.4 Alumni Engagement

5.4.1 The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and non financial means during the last five years

Response:

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, Chennai 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 6852 registered members. Most of the alumni functions are conducted at the school level of the VELS viz. the School of Pharmacy, School of Management, and School of Engineering etc. School of Hotel and catering management students are benefitted in the field of front office automation, culinary arts, craft making etc. Schools of engineering students are trained with the help of alumni for Special machines like CNC automation, CAD/CAM Design features. School of Mass Communication promoted in the field of editing, short film making, sound edition, acting, animation and photography. School of Pharmacy received lot of drugs/medicines for conduct of medical camps, training for drug manufacturing, and placement.

The functional activities of the Alumni are as follows.

- Organizing bridge courses
- Yearly Alumni Endowment Fund (5 x Rs. 2.00 lakhs)
- Providing Separate Computer Laboratories (35 systems)
- Library Books (Rs. 12.75 lakhs)
- ICT Facilities (Rs. 3.25 lakhs)
- Infrastructure facilities (Rs. 5.00 lakhs)
- Interaction with students
- Guest Lectures
- Guide for slow learners
- Placement Assistance
- Career Guidance (Coaching for Competitive examinations)
- Soft Skill Lectures
- Training Assistance for Sports & Cultural Activities
- Arranging Industrial Visit

- Members in BOM, BOS, Sports & Cultural Committee.
- Organizing Blood Donation Camps, Medical Camps, Tree Plantation
- Flood relief camps

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

**5.4.2 Alumni contribution during the last five years (INR in Lakhs)
? 100 Lakhs**

50 Lakhs -100 Lakhs

20 Lakhs -50 Lakhs

5 Lakhs -20 Lakhs

Response: 5 Lakhs -20 Lakhs

File Description	Document
Any additional information	View Document
Alumni association audited statements	View Document

5.4.3 Number of Alumni Association / Chapters meetings held during the last five years

Response: 60

5.4.3.1 Number of Alumni Association /Chapters meetings held year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
12	12	12	12	12

File Description	Document
Report of the event	View Document
Number of Alumni Association / Chapters meetings conducted during the last five years	View Document
Any additional information	View Document

NAAC

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the University

Response:

VISION

To make VISTAS an epitome of excellence in higher education by effectively providing high quality education and rigorous training to students in multiple streams of choice with ample scope for the all round development to make them excel their profession for betterment of society.

MISSION

The Vision is to be achieved by the following means:

1. Effectively imparting knowledge and inculcating innovative thinking
2. Facilitating skill enhancement through add-on courses and hands on training
3. Doing original, socially relevant, high quality research
4. Facilitating appropriate co-curricular, extracurricular extension activities
5. Instilling the spirit of integrity, equity, professional ethics and social harmony

The Vice-Chancellor is the Principal Executive Officer. The present Vice-Chancellor is well trained from both HBNI and SASTRA University and is steering the Institution in an effective manner. The Vice-Chancellor is the Chairman of Board of Management, Academic Council and all other statutory bodies. The ordinances and the regulations of the UGC are faithfully observed and he ensures the implementation of all the Acts and Statutes of the Institution. He has the power to exercise, control and supervise all officers of the Institution apart from both teaching and non-teaching employees.

In the academics and administration, he is assisted by the Deans, Directors and Heads of various Departments, Registrar, Finance Officer, Controller of Examinations, Dean of Student Affairs, Dean of Faculties, Campus Civil/Mechanical/Electrical Engineers, Medical Officer etc., besides several committees.

The academic decisions are initiated by BoS for both Undergraduate and Postgraduate programmes and approved by the Academic Council. All major decisions are placed for the consideration of the BoM. The Vice-Chancellor with the help of IQAC supervises how the curricular implementation results not only in imparting knowledge, but also innovative thinking apart from instilling the spirit of equity, ethics and social harmony. The Vice-Chancellor ensures that appropriate curricular and extracurricular activities are also conducted and facilitates programs and actions whereby skill enhancement and hands on training to students are imparted. He emphasizes the need to do original, qualitative and innovative research and facilitates the necessary ambience for the same. He pays periodic visits to the academic departments and gets first-hand information on the working of the departments, problems faced by the departments, and individual staff, etc., The Institution, since its inception, has developed a tradition of maintaining a culture of excellence in administration, academics, research, co-curricular and extra-curricular activities.

The Institution has developed a Perspective Plan in consultation with different stake holders to be one of top 500 Universities in QS rankings, one of top 50 at the national level and one of top 10 at the state level and appropriate strategies have been evolved to achieve the same. Accordingly a 15 year vision plan, 7 year strategic plan and 3 year implementation plan are in place.

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 Students .

File Description	Document
Link for Additional Information	View Document

6.1.2 The institution practices decentralization and participative management

Response:

VISTAS have a well laid practice of decentralization and participative management. Different committees, boards, councils, forums and cells are constituted viz., Board of Management, Academic Council, Board of Studies, Board of Research Studies, etc.

- 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 discussed below.

- The class committee comprising of students, faculty members and HOD give inputs to Board of Studies (BoS).
- The Board of Studies comprising of members from the alumni, industry, students and academic 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 co-ordinated 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.

File Description	Document
Link for Additional Information	View Document

6.2 Strategy Development and Deployment

6.2.1 Perspective/Strategic plan and Deployment documents are available in the institution

Response:

PROJECTION

One of the projections included in the perspective plan was to improve the number of publications in Scopus indexed journals. A benchmark of 5 papers per faculty was fixed and several strategies were implemented to reach the benchmark. The publication norms was fixed for faculty working in various cadres. Professors and Associate professors should publish minimum of 3 papers per year and Assistant professor 2 papers per year.

STRATEGIES

The following strategies have been followed to achieve the above targets.

PUBLICATION/RESEARCH GUIDELINES

The students are formed into research groups related to emerging areas, national priorities, critical areas which were identified and qualified mentors were assigned to monitor each of such groups. Each research group is benchmarked with number of publications based on the number of persons in the group. List of journals and conferences were provided to the group for their assistance based on their domain, in which they can publish their research articles. A research group is allotted with a senior professor to streamline the research and publications. Papers prepared by the groups, UG/PG projects, Ph.D projects are entrusted to the Research group of the same subject area to which the students belong. After due completion of projects, each member is encouraged to publish at least one article in a Scopus Indexed or Web of Science journal, which promotes a healthy research culture. Further, every department is motivated to conduct atleast one national conference per year and an International conference once in every two years. The Vice

Chancellor motivates the Deans, Directors and HODs to create a research culture in their Department. They inturn encourage the research works to be converted into research articles. The same has been implemented by most of the Departments.

FINANCIAL SUPPORT/INCENTIVES

To encourage the faculty members to publish in Scopus / Web of Science Indexed journals, an incentive of Rs 5000/- is provided for a published paper. For organizing and attending quality conferences funding would be provided by the Institution.

MONITORING

Vice Chancellor and Dean Research review the progress of research carried out by various groups and analysis if things goes as per schedule. In case if corrective measures has to be taken, the team does so.

THE RESULT

The benchmark for the 5 yr period of 2013-2018 is achieved successfully. VISTAS achieved a good growth in publication over every year in Scopus indexed journals. When the NAAC committee visited VISTAS on October 2015, the total number of articles in Scopus was 601 and now it has touched 1880 articles. In the last three years alone, the percentage of growth in terms of publication is more than 200%.

File Description	Document
Strategic Plan and deployment documents on the website	View Document
Link for Additional Information	View Document

6.2.2 Organizational structure of the University including governing body, administrative setup, and functions of various bodies, service rules, procedures, recruitment, promotional policies as well as grievance redressal mechanism

Response:

The following shall be the officers of the Deemed to be University:

- 1.Chancellor
- 2.Pro-Chancellor
- 3.Vice-Chancellor
- 4.Pro Vice-Chancellor
- 5.Registrar
- 6.Controller of Examinations
- 7.Finance Officer
- 8.Dean Faculty, Dean Student Affairs, Dean Research, Dean Academics, Director IQAC
- 9.Deans of various schools

10. Head of various Departments

The Head of the Institution is the Vice Chancellor (VC) who is appointed by the Chancellor from a panel of three names suggested by a Search-cum-selection Committee. VC chairs the Board of Management and all other recommending bodies such as Academic Council, Planning and Monitoring Board, Research Board and Finance Committee.

The Institution has appointed Deans and Directors to define, monitor and control the various administrations for specific functions. Some of the roles are Dean (Academics), Dean (Research), Director (Quality), Dean (Student Affairs) and Dean (Faculty).

The Vice-Chancellor is the academic and administrative head. The organizational structure of VISTAS involves leadership and decision making at different levels such as Faculty members, HODs, Deans and Directors. The system of decentralized decision making helps in the smooth functioning of the Institution. Major plans are discussed in the Planning and Monitoring board and passed on to other bodies. The Board of Management is the executive body of the Institution and Vice-Chancellor is the Chairman of Board of Management and Academic Council. The Board of Studies provides academic regulations. The Board of Research studies formulate the policies on M.Phil. and Ph.D., programs subject to the policy formulated by the UGC in its 2009 guidelines.

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. All the academic and administrative activities are under the overall supervision of the Vice-Chancellor. The Dean-Academic periodically encourages departments to upgrade the curriculum and syllabi. The Dean-Research is in charge of motivating and monitoring the research activities. The Dean-Student affairs ensure discipline in the campus and also solve behavioral problems of the students. This process ensures democratic academic decisions at all levels.

- The functions of the statutory bodies and the Service Rules, Procedures, Recruitment and policies are provided in the link for additional information.
- The Grievance Redressal mechanism followed by VISTAS is provided in <http://www.velsuniv.ac.in/Grievance-Redressal-Committee.pdf>

File Description	Document
Link to Organogram of the University webpage	View Document
Link for Additional Information	View Document

6.2.3 Implementation of e-governance in areas of operation

1. Planning and Development
2. Administration
3. Finance and Accounts
4. Student Admission and Support

5.Examination

All 5 of the above

Any 4 of the above

Any 3 of the above

Any 2 of the above

Response: All 5 of the above

File Description	Document
Screen shots of user interfaces	View Document
ERP Document	View Document
Details of implementation of e-governance in areas of operation Planning and Development,Administration etc	View Document

6.2.4 Effectiveness of various bodies/cells/committees is evident through minutes of meetings and implementation of their resolutions

Response:

All Statutory bodies in VISTAS have been constituted and functions as per the UGC norms. The agenda items received are deliberated and resolutions are recorded, followed by necessary action. The responsibility of implementing these is assigned to the respective functionaries and the progress is monitored.

Statutory Bodies and Committee in VISTAS:

- Board of Management
- Academic Council
- Planning and Monitoring Board
- Finance Committee
- Board of Research Studies
- Board of Studies

There are 20 other committees like Discipline Committee, Anti-ragging Committee, Grievance Redressal Committee, Sexual Harassment Prevention Committee, Counselling and Guidance Committee, Library Committee, Dalit Students Grievance, Counselling Committee, Extension Activities Committee, Women Welfare Committee, etc. functioning in VISTAS. The committee comprises of faculty and students and they meet periodically for the smooth functioning of various activities of VISTAS.

Example of one activity successfully implemented based on the minutes of the meeting of various

Statutory bodies / Committees is related to obtaining approval for introducing new MBA - Business Analytics.

Departmental Committee: The Departmental Committee of Management Studies met on 12th November 2015. It was proposed that a new MBA - Business Analytics may be introduced from the 2016-17. The necessary curriculum and the syllabus to be incorporated were also identified.

Resolution: Resolved that the proposal to introduce the new MBA - Business Analytics along with syllabus be forwarded to the PG Board of Studies (MBA) for consideration and approval.

Board of Studies: The PG Board of Studies (MBA) has met on 22nd December 2015. The proposal of Departmental Committee to introduce the new MBA - Business Analytics was discussed in detail as an agenda item.

Resolution: Resolved that the PG Board of Studies (MBA) has approved the proposal forwarded by Departmental Committee to introduce MBA - Business Analytics from the academic year 2016-17. It is further resolved that the proposal and the syllabus be submitted to the Academic Council for its consideration and approval.

Academic Council: The Academic Council at its meeting held on 30th December 2015 considered the recommendations of the PG Board of Studies (MBA) to introduce MBA - Business Analytics and the same was discussed in detail as an agenda Item - VIII.

Resolution: Resolved that the Academic Council approved the proposal to introduce a new MBA - Business Analytics from the academic year 2016-17. It has been resolved that the proposal with the approved syllabus sent by PG Board of Studies (MBA) meeting held on 22nd December 2015 be recommended to the Board of Management for its approval.

Board of Management: The Board of Management at its meeting held on 21st March 2016 has considered the recommendations of the Academic Council to introduce the MBA - Business Analytics from the academic year 2016-17.

Resolution: Resolved that the minutes of the Academic Council meeting held on 30.12.2015 regarding the introduction of the MBA - Business Analytics from the academic year 2016-2017 as recommended by the Academic Council be approved.

File Description	Document
Link for Additional Information	View Document

6.3 Faculty Empowerment Strategies

6.3.1 The institution has effective welfare measures for teaching and non-teaching staff

Response:

VISTAS recognize the contribution of the employees towards the development and progress of the Organization. The Institution offers/provides rewarding welfare schemes to all the employees to ensure and increase their work efficiency. Some of the welfare schemes prevalent in the Institution are:

1) Provident Fund:

VISTAS as the employer and the employee contribute to PF at the 'rate of 12%' of the basic wages. Provident Fund is available to the members of both teaching and non-teaching. This scheme is available since inception of the Institution.

2) ESI Facility:

The self-financing social security and health insurance scheme, ESI facility is provided to all the teaching and Non teaching faculty members of VISTAS from September 2016.

3) Maternity Leave:

All women members of staff are given maternity leave for a period of three months with salary.

4) Loan Facility:

All the employees of the Institution are provided interest free loan facility once in a year and sum of Rs.1,09,63,827 has been given to both teaching and non teaching faculty members till date.

5) Fee Concession:

- The wards of staff members get fee concession in the Institutions under Vels Group.
- 50 % concession in the tuition fee for faculty members who pursue PhD course in VISTAS.

6) Free Transport:

To ensure the comfort travel of all the teaching and non-teaching staff, VISTAS provides free transportation.

7) Subsidized Accommodation:

VISTAS provide accomodation for teaching and non teaching staff in the Institution Hostels and Quarters.

8) Conference sponsorship:

Sponsorship / Grants worth Rs 23,05,974/- has been provided for the teaching faculty to attend Seminars / Conferences / Paper Presentations / Paper Publications both in India and Abroad during the last 5 years.

9) Staff children welfare:

A Crèche is available inside the campus mainly for the children of the faculty members

10) Incentives:

Incentives are provided for Faculty providing 100% pass percentage, for publishing articles in SCOPUS indexed journals, etc.

Gift cheques are given for staff members who are getting married.

11) Leave:

A 60 day summer and winter vacations are given for faculty members. Faculty members are also given sabbatical to pursue their higher studies

12) Dress:

Free supply of uniform clothes are provided to all the Non-teaching staff members. Blazers are provided for the female faculty members and tie is provided for the male faculty members.

13) In campus facilities:

- Food courts are available for food and refreshment.
- A 24 hr ATM is available. During banking hours a bank “Equitas” is available for the benefit of faculty.
- Apollo Shine Medical Centre provides medical assistance round the clock. A Pharmacy is also available inside the campus.
- WiFi is available for students and faculty members
- Parking facilities for faculty and students
- A spacious guest house is available inside the campus

14) Development Programs:

For the benefit of teaching and non teaching faculty members, FDPs and Skill Development courses are conducted regularly.

15) Attendance:

Biometric Attendance system is implemented for all the teaching and non teaching faculty members

File Description	Document
Link for Additional Information	View Document

6.3.2 Average percentage of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the last five years

Response: 32.81

6.3.2.1 Number of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
286	186	168	107	101

File Description	Document
Details of teachers provided with financial support to attend conferences,workshops etc during the last five years	View Document

6.3.3 Average number of professional development / administrative training programs organized by the University for teaching and non teaching staff during the last five years

Response: 83.2

6.3.3.1 Total number of professional development / administrative training programs organized by the Institution for teaching and non teaching staff year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
90	86	79	82	79

File Description	Document
Details of professional development / administrative training programs organized by the University for teaching and non teaching staff	View Document

6.3.4 Average percentage of teachers attending professional development programs viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Program during the last five years

Response: 100

6.3.4.1 Total number of teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
642	525	482	433	412

File Description	Document
IQAC report summary	View Document
Details of teachers attending professional development programs during the last five years	View Document

6.3.5 Institution has Performance Appraisal System for teaching and non-teaching staff

Response:

The Institution has introduced Self-Appraisal report for teachers which has to be submitted at the end of each academic year by both the teaching and non teaching faculty members.

Performance Appraisal for teaching Faculty members:

Institute has a very transparent self appraisal system. The appraisal system covers all the aspects of academic, administrative and research activities of the staff. The factors for appraisal are listed below:

- Teaching Assignment
- Mentoring & Guidance
- Journal Publication
- Conference Publication
- Research Project
- Award / Honors / Recognition
- Professional Membership
- Administration Support Services
- Organizing Events
- Accreditation Activities
- Consultancy

In addition to the above, faculty are rated by students through an online feedback system. The attributes covered for theory courses are:

- Punctuality
- Sincerity
- Subject Knowledge
- Lecture Preparation
- Communication & Presentation Skills
- Coverage of Syllabus as per Schedule
- Standard of Test Questions
- Interaction & Approachability
- Helping for Clarification of Doubts
- Overall Rating of the Teacher

Performance appraisal for Non –Teaching faculty

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

File Description	Document
Link for Additional Information	View Document

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

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 participate in the purchases initiated by the respective HODs / Deans / Directors.

- VISTAS accounts are audited regularly by both internal and statutory audits
- Internal audit by external auditors were carried on from FY 2011-12 till FY 2015-16
- 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.

File Description	Document
Link for Additional Information	View Document

6.4.2 Funds / Grants received from non-government bodies, individuals, Philanthropists during the last five years (not covered in Criterion III) (INR in Lakhs)

Response: 94.31

6.4.2.1 Total Grants received from non-government bodies, individuals, philanthropists year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
10.43	37.26	21.48	14.12	11.02

File Description	Document
Details of Funds / Grants received from non-government bodies during the last five years	View Document
Annual statements of accounts	View Document

6.4.3 Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Response:

The resource mobilization is carried out by the following means:

- Tuition & other Fees from Students (National/International)
- Faculty members submit new projects to different Government and non Government funding agencies for financial assistance.
- Financial Support from Bankers
- Interest earned from investment in form of Bank Deposits
- Earnings from training or workshops
- Consultancy services to Industries
- Donation from the trust

VISTAS is making all efforts to raise resources by collecting tuition fees and other fees as and when the need arises.

VISTAS has developed a specific procedure which reflects in getting the financial indents from departments/schools of VISTAS leading to the realization of vision objectives by implementing the following measures

- Preparing comprehensive budget providing adequate resources for academic, research and administration divisions
- Developing specific norms for budget allocation
- Monitoring financial management by conducting regular internal audit
- Maintaining corpus funds
- Conducting internal and external audits

Initiatives for broadening resource - mobilization channels

- Expanding consultancy base
- Corporate training
- Alumni relations
- Government Grants

VISTAS deploys its 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. It is entrusted to cause preparation of estimates of cost of buildings and other capital works, minor works, repairs, maintenance and the like and is responsible for enlistment of suitable contractors for construction works, acceptance of tender, and making technical scrutiny of construction works as may be considered necessary.

File Description	Document
Link for Additional Information	View Document

6.5 Internal Quality Assurance System

6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Response:

Developing of Audio Video e-content for courses by Experienced faculty of VISTAS

The courses on SWAYAM are produced and delivered by faculties from AICTE for self-paced and international courses, NPTEL for engineering, UGC for non technical post-graduation education, CEC for under-graduate education, NCERT & NIOS for school education, IGNOU for out of the school students, IIMB for management studies. However, most of the courses are handled by academicians who cater to advanced learners. Since VISTAS caters mainly to the students from the lower and middle strata of the society, most of the students find the video lectures of SWAYAM to be too difficult to follow. To overcome this issue, the IQAC of our Institution, proposed the developing of e-content by our own experienced faculty members. The move was welcomed by all the stakeholders. The Audio-Video capturing module was setup by M/S Edutech. The AV Capturing module captures the lecture of the faculty handling the class. Later, the content is edited and the module is stored in the MOODLE platform. The experienced faculty members of different department have delivered lectures which can be understood by our students and the same has been stored in the moodle platform. The students thereby can access the lectures anywhere anytime in an understandable way. The feedback on the courses developed has a

positive feedback and impact.

Promotion of quality research through Vels seed grants

The faculty members in their area of expertise submitted lots of major research projects to funding agencies like DST, SERB, DBT, DRDO and other research organizations. However, only few major research grants were sanctioned as most of the fund was allotted to public Institutions. The faculty members who wanted to pursue research in innovative areas were quite discouraged. To encourage them to pursue quality research in their domain, the IQAC recommended to provide seed research grant to innovative projects. Based on the recommendation of IQAC, the Planning and Development committee sanctioned an amount of Rs 50 Lakhs towards the seed projects for the year 2018 alone. The Vice Chancellor himself chaired the scrutinizing of the projects and around 50 projects were sanctioned. The research seed money is granted for completion of projects towards establishment of lab, purchase of required hardware, software and other equipments. The Principal Investigators carried out the project meticulously and the project outcome could be seen in terms of quality publication. Few of the projects were so unique that patent has been filed. Most of the projects has got the initial results and based on it, the Principal Investigators have written proposals and have applied to major funding agencies. On observing the outcome, the other faculty members were also motivated and a research culture has been inculcated in the departments.

File Description	Document
Link for Additional Information	View Document

6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms

Response:

Faculty Empowerment Programs

Faculty members are the strength of VISTAS who teach, train, equip and mentor the students so that they acquire knowledge and skills. The teachers continually upgrade themselves on their subject by attending refresher courses and training programs. IQAC in the year 2016, reviewed the teaching learning process and understood the importance of integrating technology into teaching, learning, and research. Enlightening the faculty members with the available tools and technological developments to enhance the pedagogical skills of the teachers was important. Hence, a 3 day FDP was organized by IQAC focusing mainly on developing the teachers to understand the various dimensions involved in teaching and learning. 25 experts from Industries and eminent Institutions like IITM handled various parallel sessions like Psychological resources for effective teaching, Counseling and Guidance for adolescents, Understanding Students and Ourselves for effective Teaching – Learning process, Finding Fulfillment in Education & Life, Creating Self Confidence, Joy of teaching, Towards Academic Excellence, Preparing Lecture Materials, Effective Way of Teaching Computer Courses, etc. The feedback received was exceptional and so IQAC continued to conduct the FDP during subsequent years also. Topics of these FDP’s were chosen based on the outcomes expected and based on the inputs received. Topics like Active Learning, New Paradigms in Education, Enhancing Students Learning Skills Effectively, Achieving Academic Excellence

and our response as teacher, Cultivating Innovation in Students were addressed which helped the teachers in teaching learning process. Topics like “Original , Quality, Innovation research”, “Art of Writing Research Articles”, “Challenges in Research & Art of writing research article”, “Tips for Thesis Writing” helped to improve the quality of teachers research work.

Industry – Academia Interactions

“Most of the college graduates are unemployable” is a common quote heard in the context of Indian graduates. One of the major reasons for it is, the students are not Industry ready. To bridge the gap, the IQAC encourages the departments to have Industrial Experts in their Board of Studies (BoS). This ensures that the courses are relevant to the Industry. The latest technologies are made available for students to be well versed with contemporary requirements. Periodic review of the curriculum enables them to get upgraded with the market needs. FDP is regularly conducted by Industry experts to train the faculty to empower them to teach new courses. Departments are encouraged to send their students for internship / field visit and the same is monitored. Few of the students visited University Texas Dallas, USA for internship and as part of the internship visited Silicon Valley and interacted with Industry experts who enabled them to understand the gap between Industry and Academia. Likewise, the Departments are encouraged to bring Industrial Experts to address on the latest trends in their area and there have been cases where students get placed by the same industry itself. The expertise of VISTAS is used by the Industries by our Institution providing consultancy services to them. Few of our faculty members serve as Technical Board members in Industries in India and Abroad.

File Description	Document
Link for Additional Information	View Document

6.5.3 Average number of quality initiatives by IQAC for promoting quality culture per year

Response: 25

6.5.3.1 Number of quality initiatives by IQAC for promoting quality year-wise for the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
27	31	22	22	23

File Description	Document
Number of quality initiatives by IQAC per year for promoting quality culture	View Document
IQAC link	View Document

6.5.4 Quality assurance initiatives of the institution include

1. Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements
2. Academic Administrative Audit (AAA) and initiation of follow up action
3. Participation in NIRF
4. ISO Certification
5. NBA or any other quality audit

Any 4 of the above

Any 3 of the above

Any 2 of the above

Any 1 of the above

Response: Any 4 of the above

File Description	Document
e-copies of the accreditations and certifications	View Document
Details of Quality assurance initiatives of the institution	View Document
Annual reports of University	View Document

6.5.5 Incremental improvements made during the preceding five years (in case of first cycle) Post accreditation quality initiatives (second and subsequent cycles)

Response:

Since the visit of NAAC Peer tem during October 2015, the following quality enhancement initiatives are successfully implemented in the academic and administrative domains:

1. Feedback from students on the performance of teaching staff is automated and is integrated in ERP
2. The admission process of students is automated and is integrated in ERP
3. Parent Corner is introduced in VISTAS website wherein, parents can monitor the attendance details and performance details of their wards
4. Central Instrumentation Lab worth 4 crore is fully operational. Research scholars from VISTAS and also Research scholars from nearby Universities and Colleges are actively utilizing the research equipments.
5. Incubation Centre is also active with Industries developing novel innovative products useful to the society. Both the faculty and students of VISTAS are busy in the Incubation centre.
6. Internship in industry is made compulsory for the students of Engineering and Management streams.
7. Courses on Soft Skill are made part of the curriculum for all UG programs.
8. Course on Basic Life Skill, NSS and Personality Development are introduced as part of curriculum

for enabling the development of holistic personality of students.

9. Digital Initiatives, as advised by MHRD, are implemented. Appropriate NPTEL courses are made part of the curriculum. Edu-Sat channels are popular at the campus. Edu-Tech facility is used to record audio-video lectures, which are then stored at Intranet server under moodle platform.
10. Approval from AICTE is obtained for all the UG and PG programs of Engineering.
11. Publication fee for articles in indexed journals is borne by the Management
12. Fee concession is provided to faculty to pursue PhD course.
13. Institutional encouragement for patent filing.

VISTAS continues to excel in equality, supporting neighborhood communities, and maintains the best stakeholder relationship. Some of the noteworthy best practices are:

- Biogas plant erected
- Machinery is installed for conversion of biodegradable solid waste into manure.
- Solar lighting systems in VISTAS’s campus.
- Wind Energy is used through our 3 Wind mills under the agreements with TANGEDCO.
- Water harvesting and effective waste management.
- Extensive green covering of campus
- Energy Audit, Safety Audit, Green Audit are being conducted regularly.
- The Institution has initiated an eco-club consisting of students and faculty to identify places for planting trees and to take care of soil fertility. Plantation and maintenance of saplings have become the rudimentary activities towards realizing the “go green” vision of the Institution.
- VISTAS is selected as one of the HEIs to actively take part under Unnath Bharath Abhiyam Program.
- Pradhan Mantri Bhartiya Janaushadhi Kendra (PMBJK) is an initiative to ensure the availability of quality medicines at affordable prices to all. Based on the vision of the Prime Minister, PMBJK was inaugurated by Dr. S Manivanan, Deputy Drugs Controller, CDSCO on 19th March 2018. This generic medical store provides quality medicines at affordable cost to the public.

File Description	Document
Link for Additional Information	View Document

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Number of gender equity promotion programs organized by the institution during the last five years

Response: 22

7.1.1.1 Number of gender equity promotion programs organized by the institution year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
8	5	3	3	3

File Description	Document
Report of the event	View Document
List of gender equity promotion programs organized by the institution	View Document

7.1.2 Institution shows gender sensitivity in providing facilities such as

- a) Safety and Security
- b) Counselling
- c) Common Room

Response:

Safety and Security : The institution meticulously follows safety norms in all aspects. The Security Wing consisting of 20 personnel safeguard guard the campus and hostels in all aspects and the entire campus is covered under sufficient lighting arrangements. Safety and security for girl students is ensured by these personnel. Faculty members can easily monitor the roads and the corridors of all the buildings, classrooms and laboratories which are also adequately illuminated. Proper medical assistance for girl students is instantly available within the premises since a full-time Doctor is available. Transport facilities are also available for any emergency.

The University conducts gender sensitization programmes related to Sexual Harassment, Ragging, Women and their rights, and Gender Discrimination by inviting experts in the respective fields. The International Women's Day is celebrated every year and women teachers and students plan and execute the events. Numbers of experts and women activists are invited to give lectures on various topics. Women Empowerment programmes are also conducted both for the students and for the women in the locality.

As a matter of fact true spirit of education is being practised in the University i.e. no discrimination against caste, creed, religion and gender including third gender. The University provides safety, security and counselling facilities to both male and female students /staff through its well defined Equity, Diversity and

Non-discriminatory policy guidelines. The life skills education training to the students, faculty & staff has developed a conducive professional relationship. All new faculty members undergo an induction programme to understand the needs, concerns and characteristics of diversified people including women in the campus.

The institution ensures the participation of women students in intra and inter-institutional competitions and cultural activities. They are active members of cultural and sports committee at the institutional and University level and participate in Nakshatra, Vels Stars, International Youth Day, Moot court competitions, International Womens Day, Vels Cup sports competitions, etc.

The University has established a Complaint Committee & Women Helpdesk to address the issues related to sexual harassment and other problems.

Counselling

- For effective mentoring and welfare of the students, 15-20 students are attached to a faculty mentor.
- Through "Parent Corner" in ERP, parents can monitor the attendance and performance details of their wards.
- The mentoring system is adopted to improve the rapport between the faculty and students. The main objective is to keep track of the progress of the students and counsel them accordingly for academic and personal guidance.
- Parents will be intimated wherever the necessity arises such as lack of attendance, poor academic performance and any psychological distractions.
- The institution facilitates a complete personality development for students through exposure to interview skills, communication skills and a holistic development in all aspects.
- The faculty provides professional training for corporate employees to enhance their competency and academic skills.

Common Room

There are separate hostels with caring and responsive wardens with appropriate security arrangements for boys and girls and also separate restrooms are enabled.

File Description	Document
Link for Additional Information	View Document

7.1.3 Percentage of annual power requirement of the Institution met by the renewable energy sources

Response: 86.61

7.1.3.1 Annual power requirement met by renewable energy sources (in KWH)	
Response: 495909	
7.1.3.2 Total annual power requirement (in KWH)	
Response: 572559	
File Description	Document
Details of power requirement of the university met by renewable energy sources	View Document

7.1.4 Percentage of annual lighting power requirements met through LED bulbs	
Response: 80	
7.1.4.1 Annual lighting power requirement met through LED bulbs (in KWH)	
Response: 458047.2	
7.1.4.2 Annual lighting power requirement (in KWH)	
Response: 572559	
File Description	Document
Details of lighting power requirements met through LED bulbs	View Document
Any additional information	View Document

<p>7.1.5 Waste Management steps including:</p> <ul style="list-style-type: none"> • Solid waste management • Liquid waste management • E-waste management <p>Response:</p> <p>Solid Waste: 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.</p>

Normally conversion of biodegradable solid waste into manure takes 20 days. Recently a modern waste processing machine has been installed in the campus by M/s Waste is gold Technologies, Bangalore. Biodegradable solid waste, weighing 100 kg, can be fed into the machine along with bio-culture weighing 5 gms. Within 8 hours, the solid waste is converted into useful manure and it also avoids accumulation of garbage in the campus providing a healthy atmosphere. VISTAS shows as a model for other institutions.

Liquid Waste :

- Drinking water facility is arranged in every building of the campus.
- Wastage of drinking water is minimized through proper counseling.
- Drained water is utilized for plants and to maintain the greenery in the campus
- Proper drainage system is arranged for all the buildings of the campus

Hazardous waste management:

- Hazardous waste generation is treated properly through chemicals at initial stage
- The faculty of Science in case of projects, adopts the standard and ethical practices of handling of hazardous chemical.
- Incinerated are used to dispose human sanitation bio waste.
- All biological waste are disposed after decontamination.

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.
- Under exchange options and buy back systems certain gadgets of replaced.

*** any other (please specify)?**

- Food and vegetable waste are removed by the contract people every day and hence it's managed without any problem.
- The garden waste is used for compose, manure preparation.
- Environment awareness club and club for Swachh Bharat and Swash Bharat function in the

university are propagating sustainable life style. World Population Day, World Habited Day, World Elephant Day, National Energy Conservation Day, World Wetlands day, World Water Day are celebrated to inculcate the spirit of environmental concern among the students and public.

- International and National Seminars and workshops are conducted in the theme of Sustainable, Social Economic process.

File Description	Document
Link for Additional Information	View Document

7.1.6 Rain water harvesting structures and utilization in the campus

Response:

Tamil Nadu is a water starving state and hence the Government of Tamil Nadu has taken Rain Water harvesting as its policy and has made mandatory to have rain water harvesting facilities in big and high raise building.

The Rain Water Harvesting (RWH) movement was launched in 2001. Amendments made to Section 215 (a) of the Tamil Nadu District Municipalities Act, 1920 and Building Rules 1973, have made it mandatory to provide RWH structures in all new buildings. To consolidate the gains, various measures have been taken up for rejuvenation of RWH structures created already in both public and private buildings, besides creating new ones. IEC activities will be continued in the Town Panchayats to sensitize all the stake holders to sustain the momentum. During 2011-12, in order to give a fillip to this laudable programme, VISTAS had undertaken the construction of new RWH structures and renovation of old RWH structures. Information, education and communication (IEC) activities are being carried out in VISTAS areas to sustain the momentum of the programme.

Rain water harvesting techniques followed in VISTAS :

- Storage of rainwater on surface for future use.
- Recharge to ground water.

Methods of artificial recharge:

- Water spreading
- Recharge through pits, trenches, wells, shafts
- Rooftop collection of rainwater
- Roadtop collection of rainwater
- Induced recharge from surface water bodies.

Benefits of Artificial Recharge:

- Improvement in infiltration and reduction in run-off.

- Improvement in groundwater levels and yields.
- Reduces strain on Special Village Panchayats/ Municipal / Municipal Corporation water supply

Corporation water supply

- Improvement in groundwater quality
- Estimated quantity of additional recharge from 100 sq. m. roof top area is 55,000 liters.

In VISTAS, before the start of rainy session, the Maintenance Department along with Civil Engineering department used to go around and check the water harvesting points to verify whether they are in good condition. 25 Rain water harvesting points are available in all our buildings and all are in working conditions.

Water harvesting:

- All buildings have water harvesting facility whereby the rain water is not allowed to drain.
- A percolation tank is under construction to store the rain water.
- The filtered waste water from the RO Plant is used for maintenance of the garden and lawns in the campus.
- The NSS students create awareness in the local area on the importance of Rain Water Harvesting.
- World water day is celebrated on 22nd March every year with a message to the students and public on rain water harvesting, conservation and recycling of waste water.

File Description	Document
Link for Additional Information	View Document

7.1.7 Green Practices

- **Students, staff using**
 - Bicycles**
 - Public Transport**
 - Pedestrian friendly roads**
- **Plastic-free campus**
- **Paperless office**
- **Green landscaping with trees and plants**

Response:

The Department of Civil Engineering and Department of Biotechnology are involved in Green auditing. They make a complete audit of the existing greeneries and make a report.

- Green areas and lung spaces are well maintained and the university has conducted green audit of its

campus

- The University identified areas of environmental pollution and initiated steps towards reducing the same.
- Sprinkles are used for watering of lawns.
- Green generators are installed to overcome the energy crises.
- A dedicated Medicinal plants garden is maintained.
- Smoking is prohibited in the campus and the campus is non-smoking campus.
- Only non-toxic paints, eco-friendly cleaning materials are used.
- Effective waste management system is in practice.
- Use of recyclable materials for construction and interiors reduce the waste.

Efforts for Carbon neutrality:

- Tree plantation is done periodically and the greenery is maintained in the campus.
- Our green cover is around 30% of the total surface area.
- Only Bharath3 fuel efficient vehicles are used and vehicles are allowed to park only in selected area and not within campus.
- Gen set usage is restricted and is used only sparingly.
- Minimization of paper usage by adopting online communications and ERP systems.
- The Herbal Garden is maintained by the School of Pharmaceutical Sciences.
- Campus cleaning day is observed periodically with the help of NSS.
- Emphasize is on paper less governance.

Plantation:

- Adequate measures have been taken to protect the trees in and around the campus.
- The campus is well maintained with trees and ornamental plants.
- Tree planting is the popular scheme adopted by our NSS students and “Go Green” is another slogan to motivate our students to go for tree planting.
- New trees are planted regularly as and when required.

Energy conservation:

- Energy conservation awareness is done on daily basis and the National Energy Conservation Day is celebrated on 14th December to keep everyone aware of the importance of energy conservation.

- Inverter is used when there is power shutdown for short duration instead of operating generators.
- The LED lamps are progressively used in the place of other lamps.
- Partitioning the big halls in small size / falls roofing are carried to minimize the power consumption.
- Renovation of wiring and replacement of transformers are done regularly.
- All the rooms have instruction boards to switch-off fans, lights, and AC and Computer terminals when not in use.

Use of renewable energy:

- The University has installed three wind mills with a Capacity of 250 KW H.T. (Each) and Annual Wind Power Generation in average is around 85,028 units. Three Wind Mills are supplying power to the Tamil Nadu Power Grid and withdraws the power from the grid to the university's requirements.
- Solar lights are used in the main roads of the university.
- The Biogas plant is in operation and the Biogas produced from food waste, decomposable organic materials and kitchen wastes is used in Hostel.

File Description	Document
Link for Additional Information	View Document

7.1.8 Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years

Response: 0.07

7.1.8.1 Total expenditure on green initiatives and waste management excluding salary component year-wise during the last five years(INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
3.08	1.20	2.76	3.27	3.97

File Description	Document
Green audit report	View Document
Details of expenditure on green initiatives and waste management during the last five years	View Document
Any additional information	View Document

7.1.9 Differently abled (Divyangjan) Friendliness Resources available in the institution:

1. Physical facilities
2. Provision for lift
3. Ramp / Rails
4. Braille Software/facilities
5. Rest Rooms
6. Scribes for examination
7. Special skill development for differently abled students
8. Any other similar facility (Specify)

A. 7 and more of the above

B. At least 6 of the above

C. At least 4 of the above

D. At least 2 of the above

Response: B. At least 6 of the above

File Description	Document
Resources available in the institution for Divyangjan	View Document
link to photos and videos of facilities for Divyangjan	View Document

7.1.10 Number of Specific initiatives to address locational advantages and disadvantages during the last five years

Response: 14

7.1.10.1 Number of specific initiatives to address locational advantages and disadvantages year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
6	1	1	3	3

File Description	Document
Number of Specific initiatives to address locational advantages and disadvantages	View Document
Any additional information	View Document

7.1.11 Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere)

Response: 78

7.1.11.1 Number of initiatives taken to engage with and contribute to local community year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
21	11	17	13	16

File Description	Document
Report of the event	View Document

7.1.12

Code of conduct handbook exists for students, teachers, governing body, administration including Vice Chancellor / Director / Principal /Officials and support staff

Response: Yes

File Description	Document
URL to Handbook on code of conduct for students and teachers , manuals and brochures on human values and professional ethics	View Document

7.1.13 Display of core values in the institution and on its website

Response: Yes

File Description	Document
Provide URL of website that displays core values	View Document

7.1.14 The institution plans and organizes appropriate activities to increase consciousness about national identities and symbols; Fundamental Duties and Rights of Indian citizens and other constitutional obligations

Response: Yes

File Description	Document
Details of activities organized to increase consciousness about national identities and symbols	View Document
Any additional information	View Document

7.1.15 The institution offers a course on Human Values and professional ethics

Response: Yes

File Description	Document
Provide link to Courses on Human Values and professional ethics on Institutional website	View Document

7.1.16 The institution functioning is as per professional code of prescribed / suggested by statutory bodies / regulatory authorities for different professions

Response: Yes

File Description	Document
Provide URL of supporting documents to prove institution functions as per professional code	View Document

7.1.17 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years

Response: 42

7.1.17.1 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
12	13	7	6	4

File Description	Document
List of activities conducted for promotion of universal values	View Document
Any additional information	View Document

7.1.18 Institution organizes national festivals and birth / death anniversaries of the great Indian personalities

Response:

Various festivals are celebrated in all the campuses of the University. Every year the institute organizes several national festivals and birth/death anniversaries of the great Indian personalities such as:

- **Teachers Day** : Every year on September 5th Former President Dr.Radha Krishnan birthday is celebrated as a Teachers Day to motivate and encourage teachers of VISTAS in a befitting manner. Best Teacher Award is also being initiated to bring out the best contribution from the teaching fraternity.
- **International Yoga Day** : Every year on June 21st International Yoga Day is celebrated to align with the Government policy and to encourage our students to get the awareness of Yoga and its benefits. Near by School students are also invited to participate in this event to get benefit from the early age and also to create awareness about health and fitness. Usually 2000 students participate and demonstrates their yoga proficiency. This also increases Physical fitness and triggers balance of mind to face any situation without anxiety and provides tranquility and piece of mind. This paves way for congenial atmosphere and cordiality among the students within the institution.
- **Women's day celebrations** : Every March 8th , VISTAS celebrated and recognizes the meritorious contribution of women achievers in various fields. Prominent Women Achievers are invited and honored on this occasion to encourage our women students to achieve new heights in life. We also claim that more than 60% of our teaching faculty are Women in VISTAS.
- **Pongal Celebrations** : Pongal Celebration, as a thanks giving celebration to Sun God by the farming community and the general public, in VISTAS to promote the traditional and cultural values in the minds of the next generation. Students and teachers participate in their ethnic dress and prepare pongal and distribute to all students. On this occasion, various traditional games and competitions are organized to highlight the prestige of farmers and prizes are distributed.
- **Swachh Bharath Scheme** : To maintain the campus clean and tidy , the scheme of Government of India is made popular in the minds of students to maintain the entire campus spic and span. We also participate in the National competitions organized by the Government of India agencies for rating the clean campus for various institutes. It helps our students to keep the surroundings clean

and tidy.

Apart from the above celebrations, the **International Mother Language Day** was celebrated by VISTAS as a mark of respect and recognition for vernacular students.

In addition to this, regular events like Independence Day, Republic Day, Engineers Day, Childrens Day, World Water Day, World Diabetic Day etc., are also organized to create patriotism and awareness.

Prominent National leaders Birthday like Mahatma Gandhi, Jawaharlal Nehru, Vallabai Patel, Maulana Azad, Indira Gandhi, Kamarajar, Shri Subramania Bharati and also leaders from Tamil Nadu like Former Chief Minister Anna Durai, Former Chief Minister M.G.Ramachandran are also celebrated to create awareness for the younger generation about their contribution for the growth of the state and Education in particular.

7.1.19 The institution maintains complete transparency in its financial, academic, administrative and auxiliary functions

Response:

Transparency in financial system is ensured through:

- Financial audit is done regularly by external agencies.
- Formulation of financial committee as per UGC and AICTE Norms
- To maintain transparency, publication of complete audit report

Academic system:

- Academic Audit is done regularly by External experts.
- Attendance is posted in ERP by the faculty in concern school immediately after completion of class work. SMS is sent to the parents regarding the students regularity, attendance and academic performance
- Every month attendance is communicated to the parents through letters.
- The complete academic status of any student can be obtained by the parents concerned through SMS

Transparency in the Admission process is ensured through:

- Fully automated Admission Process.
- Random allocations of applicants are made for various interview boards during the selection process.
- Admissions are made purely on merit.
- Transparency maintained with respect to the fees structure.

- Direct dealing with students as Amity does not entertain any agents/ consultants.
- Withdrawal and refund policies are strictly followed as per UGC norms.

Regular inputs are taken from faculty and staff through monthly meetings of the faculty / brain storming sessions for continuous improvement in the system. Further, an online system has been developed to foster transparency by inviting innovative ideas / suggestions for improvement in various functions such as Admission, Academics, Examination, Procurement, HR, Industry Interaction, Finance, Administration, Maintenance, etc.

Periodic review meetings at various levels (Deans / HoDs) are conducted to ensure transparency, accountability and corrective measures: Monthly Faculty Meeting, Monthly Institutional IQAC, Monthly Research Review Meeting, Monthly Class Representatives (CRs) Meeting, Half-yearly Domain IQAC and Half-yearly Departmental Research Committee

Transparency in administrative functions is ensured through:

- Allocation and delegation of duty and responsibility for all the senior administrators for a speedy remedial action
- Specific portfolio's of academic and administrative assignments and statutory obligations suggested by regulatory bodies

Auxiliary functions of the Institute

Auxiliary functions like conduct of workshops, training programs, seminars, FDPs, conferences, guest lectures etc., are strictly implemented through the following sequence of operations:

- Projects from Government , Funded bodies and Non-Governmental Organisations
- Financial approval by the management/administration
- Conduct of the program like preparing project reports, Filing for Patents, copy Rights, and New product development with the help of students , Faculty members Innovative ideas.
- Undertaking corporate consultancy to find and suggest solution for complex corporate issues like reduction in rate of return and market survey analysis, Break even analysis, Ratio Analysis, to improve the performance and profitability.
- Undertake Corporate executive training and development (EDP) for small and medium enterprises (SME and MSME)
- Submission of the report and financial statements
- Documentation and recording of the proofs and display in VISTAS website along with the photographs
- The complete records of these Programs are made available in the concerned School or Department. Academic Authority and authenticity of these projects, consultancy programs and corporate training events are documented as per the regulatory bodies directions.

7.2 Best Practices

7.2.1 Describe at least two institutional best practices (as per NAAC Format)

Response:

Best Practices - 1

1. Title of the Practice

INDUSTRY - INSTITUTION- INTERFACE

2. Objectives of the Practice (100 words)

The objective is to enable the Undergraduate and Postgraduate students of VISTAS employable in the Industries and acquire skill to start their own business.

Indian Higher Education Institutes (HEI) are producing increasing number of unemployable graduates and post graduates. This is mainly because the skill-set expected by Industries is not imparted to the students by HEI. Fruitful interaction between Technical institutions and industries is required for the development of institution and students employability. This will have great bearing on the design & development of curriculum, exposure of industrial awareness to engineering students of VISTAS.

3. The Context (150 words)

Challenging issues to be addressed for improving the efficiency and productivity of VISTAS are listed below:

- Industries do not want to spend their resources on training the students
- Industries do not allocate enough budget for in-house R&D
- Industries prefer to import and market the products instead of manufacturing the products.
- Training the faculty to teach courses relevant to Industries
- High rate of obsolescence in engineering products, which necessitates the introduction of new courses
- Obsolete syllabus of courses in Secondary and Higher Secondary Schools due to which students do not develop aptitude to industry related modern courses

4. The Practice (400 words)

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 under the supervision of industry mentors.
- Experts from Industry participate in curriculum design plays a major role in preparing the students ready for industries
- Establishment of VISTAS-Industry Partnership /interaction Cell.

- Facilitating faculty and students for visiting industries
- Professional consultancy by the faculty to industries.
- Testing of industrial prototypes by faculty at VISTAS laboratory.
- Collaborative Degree Programmes.
- Industrial problems for research.
- Research oriented employess of Industries pursuing Ph.D. program at VISTAS
- Short-term exposure to faculty members in industries.
- Visiting faculty from industries.
- Professorial Chairs sponsored by industries
- R&D Laboratories sponsored by industries
- Scholarships/fellowships instituted by industries at the Institute for students.
- Collaborative research
- Organizing seminars / workshops with industry sponsorship
- Post Graduate students in management are periodically sent for internship for various industries during their summer vacation for a duration of four weeks . In all industries where we have MoU arrangement are very helpful in training our students to learn about the intricacies of manufacturing and production process.
- Final year management students will have to submit a three months project report which is mandatory and major industries are permitting our students to prepare a detailed project report. Most of the companies are also offering placement for this potential students and creates employability.

For example interaction is intense with the following agencies and industries:

- **IBM**, a US computer, technology and IT consulting corporation
- **EinNel Technologies** – Research & Development Centre is an engineering solution provider in the field of Automotive, Aerospace, Energy, Oil & Gas, Bioscience and Computer Science.
- **Calibsoft Technologies Pvt. Ltd**, developer of software solutions
- **The National Institute of Ocean Technology (NIOT),Chennai**
- **Par Pharmaceutical**, headquartered in Chestnut Ridge, New York.
- **Areete Life Science Pvt. Ltd.** a renowned manufacturer of ayurvedic products
- **Sun pharmaceutical industries limited**
- **Stannis Institute of Allied Health Sciences**
- **Tamil Nadu Steel Tubes Ltd**

5. Evidence of Success (200 words)

IBM INDIA PRIVATE LIMITED is **focused** in VISTAS on the following activities,

- Collaborative course B.Tech IT (Cloud and Mobile based Application Development).
- Collaborative course MBA(Big Data Analytics)
- IBM has installed the following software tools at VISTAS for the students of MBA(Big data Analytics)

- 1.Predictive Analytics
- 2.Cognos insight
- 3.Descriptive Analytics

4. Infoshere Big Insight

Typical Results:

- Improved Image of VISTAS in Corporate sector
- Every year, nearly 2000 students get opportunity to do internship/project at industries.
- Faculty with PhD degree are busy with consultancy projects, thus offering solutions to Industries (List is uploaded).
- Ph.D. scholars take up real field problem as topic of research. Real time data is made available for meaningful research.
- In collaboration with Industries/R&D agencies, research project proposals are submitted to DST as listed below:

1. In collaboration with NIOT ,a project proposal is submitted to DST for underwater profiling of POOMPUHAR CITY which is believed to have submerged in sea.
2. In collaboration with BHAVINI, DAE Unit, a project proposal on “Automatic detection of intruder from sea side to Nuclear reactor using HF radar” is submitted to Board of Research in Nuclear Science (BRNS).

6. Problems Encountered and Resources Required (150 words)

Industries shy away from interacting 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.

The following instruments, available at Common Instrumentation lab, are used for solving industrial problems.

- BET Surface Area Analyzer,
- Field Emission Scanning Electron Microscope (FESEM),
- High Performance Thin Layer Chromatography (HPTLC),
- X-Ray Diffractometer (XRD)
- Particle Size and Zeta Potential Analyzer
- Raman Spectrometer

Management has spent 8 crore for the purchase of above instruments.

If **matching grant** is provided by UGC, research towards solving industrial problems will be enhanced.

Best Practices : 2

1. Title of the Practice

Societal contributions through outreach and extension programmes

2. Objectives of the Practice

- **To be a partner in progress of ‘Surging India’ by actively engaging in the development process of the nearby community through monetary and voluntary support.**
- To undertake outreach and extension programmes in the locality in and around VISTAS for contributing to improvement in economic, health, education and social conditions of the local people.
- To improve the quality and standard of life of the people residing in and around VISTAS with focus towards women empowerment.
- To enhance the awareness of the community around VISTAS towards specific health issues such as Cancer, AIDS.

3. The Context

The Indian society is unequal in many terms namely in income, literacy, availability, sanitary conditions, education, health etc., The marginalized sections of population including women have to be helped in many ways. VISTAS from the date of inception has always stood in the forefront in planning and executing programmes for the social, economic, health and education upliftment.

In keeping with the tradition of India’s rich cultural heritage of contributing towards the society VISTAS places development of the society in forefront and channelizes its activities accordingly.

The challenges faced are:

- Sensitization of students and faculty towards societal issues and gaining of their willful cooperation and involvement in the initiatives taken by VISTAS
- Securing the confidence of local administrative authorities like Village Panchayat for getting permissions to implement the social initiative.
- Mobilizing participants for the programmes initiated as villagers are reluctant to take part in such events.

4. The Practice

VISTAS has served in multiple ways under the outreach and extension programmes.

1. PRACTICES TOWARDS THE LOCAL COMMUNITY

- Construction of 450 ft wall along the lakeside in the approach road leading to VISTAS
- Good roads have been provided to the local people at the cost of VISTAS.
- Two Bus Stops have been established and maintained for the benefit of public.
- Participation in Adult Literacy Rally
- Rain Water Harvesting, Traffic Regulation Awareness programmes,
- Free computer literacy programme for police personnel and school children
- A village by name KOVILAMBAKKAM has been adopted by VISTAS and programs such as Temple cleaning, creating awareness on Health and education have been undertaken.
- VISTAS has also contributed to Gujarat Earth Quake relief fund, Kargil Relief fund, Tsunami relief fund, Jammu and Kashmir relief fund, Thane storm relief fund etc.

2. PRACTICES TOWARDS UPLIFTMENT OF HEALTH

AIDS Awareness programmes have been conducted seven times including the participation of volunteers from USA and UK.

The volunteers of VISTAS have also participated in Malaria, Dengue and Chikungunya, H1N1, Swine Flu.

Free medical camps, blood donation, Diabetic and Dental camps in co-cooperation with Kamatchi Hospital, Deepam Hospital and Apollo Hospital were conducted.

VISTAS opened a Hospital at Thalambur Campus for General Welfare.

3. PRACTICES TOWARDS WOMEN EMPOWERMENT

VISTAS is always keen on empowering the women and making them self-sustainable. The International Women's Day is being celebrated every year.

Every year VISTAS has arranged one day market for Self-Help Groups and a training for Marketing.

A separate Rural Bank (Equitas) has been opened in our campus and all these people are given bank account as the policy of Financial inclusion to enable them to attain Financial independence

VISTAS has conducted a workshop on Gender Based Violence with the funding from Association of Common Wealth Universities. Ms. Smrithi Irani, Union Minister for Textiles presided over the event. Women from Local community were sensitized on this very important issue.

VISTAS has conducted Self-defense training programme for the safety and security of Women.

4. PRACTICES TOWARDS CONSERVATION OF ENVIRONMENT

- Prime Minister's Swachh Bharat and Swasth Bharat programmes are being regularly implemented by the NSS volunteers and students.
- The volunteers campaigned for the Conservation of Biodiversity, Environment protection with short films and pamphlets.
- 500 trees have been planted in the vicinity of VISTAS.
- Campus cleaning and cleaning of areas surrounding VISTAS at regular intervals.

5. Evidence of Success

- The success of all these programmes can be visibly felt. Two connectivity roads laid down by VISTAS are being used by hundreds of people in and around Pallavaram, which has increased the mobility.
- The marketing facility provided by the VISTAS to the Self-help groups has definitely helped them to sell the products.
- The adoption of village has definitely changed the environment of the village improved the admission and attendance of the children in the school and people very much appreciated the work

done by the volunteers from the VISTAS.

- The services rendered by VISTAS in health sector can be considered as most important one. The awareness created on AIDS, Dengue, Chikungunya had a very good impact in the local area.
- Shri Isari Velan Mission Hospital run by VISTAS is a FREE palliative care hospital which aims to add life to their last days and not days to their life. The 150 bedded hospital with adequate doctors and nurses works round the clock and the average in patients number comes to 30 and out patients number 150. It has definitely made an impact on lives of the people who are on verge of their life.

6. Problems Encountered and Resources Required

- In conducting outreach programmes, the main problem is to motivate the general public who are very reluctant to come forward to participate.
- Co-ordination of different agencies such as GOS and NGOs which participate in the programme is definitely a challenge.
- Resource constraint is the biggest challenge faced by the VISTAS. However, VISTAS contributes liberally for the welfare of the society.
- The culture and tradition make the people to hesitate in bringing the patients who are on their last days to admit in the Palliative care hospital though a number of programmes to educate the people have been carried out the hospital still to work on to its full capacity. It is very hot to break the cultural barriers.
- The social and geo political climate has to be taken into consideration before meeting the people. These activities should not mix with political activities people.

7. Notes (150 words)(Optional)

Mention Best Practices followed by the Institution

- Outcome Based Education
- Alumni Portal in Institute Website
- Parent Corner and Students Mentoring
- Regular Training and Placement
- Internships during vacation
- Common Instrumentation Lab
- ICT Based Teaching Learning
- Valuation only be External Examiners
- Travel Grants for International Conferences
- NSS Activity at Near-by Villages
- Feedback system automated
- Financial Assistance to the Needy Students
- Increasing Number of MoUs
- Annual External Academic and Administrative Audit
- Green and Plastic Free Campus

- Student Centric Learning, Activity based learning, Project based learning, Industrial Visits
- ERP at all activities of the Institute
- Wi-Fi Connected Campus
- Inclusion of SWAYAM channels
- Well Equipped Digital Laboratory
- Strong Industry Institution Interaction
- Placement above 80 %
- Vibrant Incubation Centre
- Apollo Health Scheme
- Generic Medicine to the Public
- Bank and ATM in the Campus

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

7.3 Institutional Distinctiveness

7.3.1 Describe/Explain the performance of the institution in one area distinctive to its vision, priority and thrust

Response:

Vision of VISTAS is stated below :

Vels Institute of Science, Technology and Advanced Studies(VISTAS) Strives to be an Epitome of Excellence in Higher Education by effectively providing its students with **high standards of education** and rigorous training with ample scope for the all round development of personality of the students and to promote positive change and social justice for the betterment of society.

For maintaining high standards of education, External Academic and Administrative Audit (AAA) is carried out every year.

As a stand-alone Institute, there is always a perceived threat that the academic experience of the students may deteriorate if the Institute is not improving the academic standards and quality of faculty. Bench mark Universities use a model where along with the full academic autonomy penetrating down even to the level of individual teachers, a full academic audit is conducted every year. Comparing with the Bench Mark Universities, VISTAS has instituted a system of external audit which is on par with well established and highly rated institutions.

Methodology of Academic Audit

1. Senior Professors with rich experience and exposure to the norms suggested by the academic regulatory bodies like UGC, AICTE, IQAC, NAAC are invited to give opinion and suggestion for maintaining the highest standards at VISTAS

2. The following records are made available to the academic audit team :

a. Program learning Outcomes (PLO) and Course learning Outcomes (CLO), Course Learning Goals (CLG) and Program Learning Goals(PLG) for proper mapping

b. Teaching methodology and pedagogy for the various programs

c. Evaluation Process , Examination and Scrutiny of Question papers to authenticate the standards and syllabus

3. The auditors select courses in the area of their expertise and report

a. On the standard and quality of pedagogy

b. On the suitability of the teaching methodology and adoption of technology

c. Examination and evaluation process consist of

- Coverage of syllabus and adequacy of testing the knowledge
- Suitability of questions as to descriptive/ analytical
- Difficulty level and depth of the question

d. Correctness of the question papers and relevance to the syllabus

4. The report of the audit shall be submitted with the controller of examinations office where the CoE and the Dean (Academic Courses) take cognizance of the report and take corrective measures wherever it is required. In the last three years Academic Audit had taken place at VISTAS. External Experts submit their report and suitable remedial action for the CoE to adopt for the future examinations.

5. A consolidated report is presented to the Vice- Chancellor. The report is discussed in the Advisory Council, and corrective action, if warranted, is recommended. The recommendation, if any, is discussed in Academic Council. With the ratification and approval of the Academic Council after passing the necessary resolution it shall be conveyed to the concerned Schools for implementation.

Administrative Audit

The administrative bodies with major decision-making responsibilities are: the **Board of Management, Academic Council, Planning and Monitoring Board, Finance Committee, Board of Research Studies and Boards of Studies.**

All the Statuary Bodies and Committees are constituted as per the Rules and regulations of the UGC.

On par with Academic Audit, an Administrative Audit has been conducted every year. Registrar/Senior Deputy Registrar of reputed Universities in and around Chennai are invited to VISTAS to verify the proper functioning of the various wings of administration as listed below :

Statutory Bodies

- **Board of Management**
- **Academic Council**
- **Planning and Monitoring Board**
- **Finance Committee**
- **Board of Research Studies**

Statutory Committees

- **Disciplinary Committee**
- **Anti-Ragging Committee**
- **Examination Malpractice Enquiry Committee**
- **Grievance Redressal Committee**
- **Counselling and Guidance Committee**
- **Students Affairs Advisory Committee**
- **Hostel Advisory Committee**
- **Dalit Students Grievance & Counselling Committee**
- **Prevention of Sexual Harassment Committee**
- **Women Welfare Committee**
- **Central Admission Committee**
- **Fee Fixation Committee**
- **Library Committee**
- **Central Purchase and Stores Committee**
- **Transport Committee**
- **Extension Activities Committee**
- **Sports & Games Committee**
- **Building Committee**
- **Equivalency Committee**
- **Cultural Committee**

For maintaining high quality of education all the activities of VISTAS are automated using ERP.

Training on the usage of ERP has been arranged periodically to both Teaching and Non-Teaching Staff and knowledge transfer is ascertained for handling the software and systems

Audit report is submitted to the Vice-Chancellor. Appropriate remedial actions are taken.

Evidence of Success

Serious and meticulous implementation of the suggestions of academic auditors improved the practice of evaluation to raise the academic standard on par with bench mark Institutions. The deviations in evaluation have decreased dramatically. We have also got important feedback on the quality of question papers which are being set with extreme attention and as per the syllabus by external examiners. Students feedback and

faculty opinion are also taken into consideration for maintaining an Impeccable and Infallible evaluation system. The effective implementation of Academic and Administrative Audit have improved the functioning of VISTAS.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document



5. CONCLUSION

Additional Information :

Since the last accreditation by NAAC in October,2015, VISTAS has improved the performance as listed below:

S.No.	Parameter	During the Visit of NAAC Peer Team (Oct'2015) (Last 5 years)	As on Decemeber 2018 (Last 3 years)
1.	Number of faculty with Ph.D.,	142	261
2.	Number faculty with NET/SET	09	75
3.	PhD/M.Phils passed out in last 5 years	359	837
4.	Number of Publications		
	UGC Approved Journals	585	1374
	Book Published	47	69
	Presentation at Conferences	499	920
5.	Number of MoUs Last 5 years		
	National	113	181
	International	22	34
6.	Patent Published	27	46
7.	Patents Awarded	-	9
8.	Income through Consultancy	Rs.25,60,000/-	Rs.72,01,600/-
10	Research Projects Completed	Rs.172 Lakhs, 11 Numbers	Rs.189 Lakhs, 16 Numbers
11	Research Projects Ongoing	- Rs.142.66 Lakhs, 10 Numbers,	Rs.308 Lakhs, 10 Numbers,
12	Research projects Submitted	- Rs.39.6 Crores, 106 Numbers,	Rs.96.04 Crores, 214 Numbers,
13	NIRF Ranking for Pharmacy	Band 50 to 75 (2016)	43 (2017)
14	Central Instrumentation Research facility	Not Available	Available
15	Engineering Curriculum as AICTE	No	Yes
16	Courses on Basic Life Skills (Yoga)	No	Yes
17	MHRD Directive on	Partly Implemented	Fully Implemented

	Digital Initiatives		
18	Audio Vidio Capsules (E.Content) for the courses in Intranet Server	No	Yes
19	Industry Institution Interaction	Initiated	Strong
20	Incubation Centre	Initiated	Vibrant
21	Unnat Bharat Abiyan	No	Yes
22	Internship at Industries	Recommended Optional	- Compulsory
23	Feedback System	Manual	Computerized
24	Percentage of Placement	69%	81%

Concluding Remarks :

The road map of VISTAS is well-drawn. Our vision is to make this an International Institute wherein students from all the countries will assemble to enrich themselves in terms of knowledge. We want to provide physical and academic infrastructure including lab facilities which will create “reverse flow” of students. Our ambition is to have atleast 100 crores worth of research projects by 2025.

Several are the paths and avenues to be explored, and exploited. Countless are the feathers to be added to the Vels cap of success. The endeavours continue with determination, “ to strive, to seek, to find and not to yield”. On the whole, the Institute is committed to excellence in every activity, intelligent planning of each activity and ensuring focused effect on each of them for attaining excellence. **WE HAVE ACHIEVED A LOT, STILL WE FEEL WE HAVE MILES TO GO AND OUR JOURNEY IN HIGHER EDUCATION CONTINUES.....**

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																				
1.3.3	<p>Average percentage of students enrolled in the courses under 1.3.2 above</p> <p>1.3.3.1. Number of students enrolled in value-added courses imparting transferable and life skills offered year-wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>10707</td> <td>9491</td> <td>7334</td> <td>4842</td> <td>5019</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>10706</td> <td>9491</td> <td>7334</td> <td>4842</td> <td>5019</td> </tr> </tbody> </table> <p>Remark : Excel sheet has not considered.</p>	2017-18	2016-17	2015-16	2014-15	2013-14	10707	9491	7334	4842	5019	2017-18	2016-17	2015-16	2014-15	2013-14	10706	9491	7334	4842	5019
2017-18	2016-17	2015-16	2014-15	2013-14																	
10707	9491	7334	4842	5019																	
2017-18	2016-17	2015-16	2014-15	2013-14																	
10706	9491	7334	4842	5019																	
2.3.3	<p>Ratio of students to mentor for academic and stress related issues</p> <p>2.3.3.1. Number of mentors</p> <p>Answer before DVV Verification : 642</p> <p>Answer after DVV Verification: 641</p> <p>Remark : Excel sheet has not considered.</p>																				
2.4.4	<p>Percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years</p> <p>2.4.4.1. Number of full time teachers receiving awards from state /national /international level from Government recognised bodies year-wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>93</td> <td>59</td> <td>64</td> <td>33</td> <td>17</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table> <p>Remark : As per the documents provided</p>	2017-18	2016-17	2015-16	2014-15	2013-14	93	59	64	33	17	2017-18	2016-17	2015-16	2014-15	2013-14	0	0	0	0	0
2017-18	2016-17	2015-16	2014-15	2013-14																	
93	59	64	33	17																	
2017-18	2016-17	2015-16	2014-15	2013-14																	
0	0	0	0	0																	
2.6.3	Average pass percentage of Students																				

2.6.3.1. Total number of final year students who passed the examination conducted by Institution.

Answer before DVV Verification : 1976

Answer after DVV Verification: 1976

2.6.3.2. Total number of final year students who appeared for the examination conducted by the institution

Answer before DVV Verification : 2435

Answer after DVV Verification: 2435

3.1.2 The institution provides seed money to its teachers for research (average per year)

3.1.2.1. The amount of seed money provided by institution to its faculty year-wise during the last five years(INR in Lakhs)

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
43.7	13.1	10.6	26.6	17

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
43.1	12	10.6	28.32	29.85

3.1.3 Number of teachers awarded international fellowship for advanced studies/ research during the last five years

3.1.3.1. The number of teachers awarded international fellowship for advanced studies / research year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
6	10	2	10	10

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
1	0	0	0	0

Remark : As per the documents provided

3.3.4 Number of start-ups incubated on campus during the last five years

3.3.4.1. Total number of start-ups incubated on campus year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
11	10	7	5	0

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
4	2	1	5	0

3.4.3 Number of Patents published/awarded during the last five years

3.4.3.1. Total number of Patents published/awarded year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
9	8	11	9	12

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	2	0	0

Remark : As per the documents attached

3.4.5 Number of research papers per teacher in the Journals notified on UGC website during the last five years

3.4.5.1. Number of research papers in the Journals notified on UGC website during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
1098	835	437	303	330

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
854	456	308	223	109

3.5.2 Revenue generated from consultancy during the last five years

3.5.2.1. Total amount generated from consultancy year-wise during the last five years (INR in Lakhs)

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
16.78	3.81	1.79	15.39	82.36

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
0.73	0.49	0.16	1.97	4.13

Remark : As per Revenue generated from consultancy provided by HEI for the year 2013-14, 2014-15, 2015-16, 2016-17 and 2017-18. Rent, overhead charges, exam charges are not considered.

3.6.3 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the last five years

3.6.3.1. Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
26	41	30	11	46

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
35	28	20	25	14

4.2.4 Average annual expenditure for purchase of books and journals during the last five years (INR in Lakhs)

4.2.4.1. Annual expenditure for purchase of books and journals year-wise during the last five years (INR in Lakhs)

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
65.17	68.04	62.04	61.6	63.07

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
75.40	60.16	65.37	50.26	56.67

5.1.1 Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years

5.1.1.1. Number of students benefited by scholarships and freeships provided by the Government year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
---------	---------	---------	---------	---------

62	59	441	434	345
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Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
63	54	441	416	345

5.2.1

Average percentage of placement of outgoing students during the last five years

5.2.1.1. Number of outgoing students placed year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
1497	1182	1192	1071	757

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
1442	1115	1118	1021	720

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) during the last five years

5.3.1.1. 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-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
153	60	24	48	42

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
2	2	0	2	0

Remark : As per the documents provided

6.3.2

Average percentage of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the last five years

6.3.2.1. Number of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies year-wise during the last five years

Answer before DVV Verification:

--	--	--	--	--

2017-18	2016-17	2015-16	2014-15	2013-14
483	276	258	152	169

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
286	186	168	107	101

6.4.2 Funds / Grants received from non-government bodies, individuals, Philanthropists during the last five years (not covered in Criterion III) (INR in Lakhs)

6.4.2.1. Total Grants received from non-government bodies, individuals, philanthropists year-wise during the last five years (INR in Lakhs)

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
24.78	24.27	21.98	12.02	10.97

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
10.43	37.26	21.48	14.12	11.02

Remark : As per Funds / Grants received from non-government bodies, individuals, Philanthropists provided by HEI for the year 2013-14, 2014-15, 2015-16, 2016-17 and 2017-18.

7.1.1 Number of gender equity promotion programs organized by the institution during the last five years

7.1.1.1. Number of gender equity promotion programs organized by the institution year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
8	5	3	3	4

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
8	5	3	3	3

7.1.8 Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years

7.1.8.1. Total expenditure on green initiatives and waste management excluding salary component

year-wise during the last five years(INR in Lakhs)

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
1.97	1.97	2.76	3.27	3.97

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
3.08	1.20	2.76	3.27	3.97

Remark : As per average percentage expenditure on green initiatives and waste management provided by HEI for the year 2016-17 and 2017-18.

7.1.17

Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years

7.1.17.1. Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
7	4	1	1	1

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
12	13	7	6	4

Remark : As per Number of activities conducted for promotion of universal values provided by HEI for the year 2013-14, 2014-15, 2015-16, 2016-17 and 2017-18.

2.Extended Profile Deviations

ID	Extended Questions																				
1.2	<p>Number of outgoing / final year students year-wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>2012</td> <td>1746</td> <td>1629</td> <td>1647</td> <td>1638</td> </tr> </tbody> </table> <p>Answer After DVV Verification:</p> <table border="1"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	2017-18	2016-17	2015-16	2014-15	2013-14	2012	1746	1629	1647	1638	2017-18	2016-17	2015-16	2014-15	2013-14					
2017-18	2016-17	2015-16	2014-15	2013-14																	
2012	1746	1629	1647	1638																	
2017-18	2016-17	2015-16	2014-15	2013-14																	

1976	1746	1629	1654	1638
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2.2 Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
3169	3209	2838	2162	1933

Answer After DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
2977	2760	2301	1690	1566

