

The Annual Quality Assurance Report (AQAR) of the IQAC

All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC. (Note: The AQAR period would be the Academic Year. For example, July 1, 2012 to June 30, 2013)

Subject : AQAR Report for the period from July 1, 2017 to June 30, 2018.

Part – A

I.Details of the Institution

1.1 Name of the Institution	VELS INSTITUTE OF SCIENCE, TECHNOLOGY AND ADVANCED STUDIES (VISTAS) (Deemed to be University U/s 3 of the UGC Act, 1956)
1.2 Address Line 1	Velan Nagar, P.V.Vaithialingam Road
Address Line 2	Pallavaram
City/Town	Chennai
State	Tamil Nadu
Pin Code	600 117
Institution e-mail address	vistas@velsuniv.ac.in
Contact Nos.	044 22662500
Name of the Head of the Institution:	Vice-Chancellor : Dr.P. Swaminathan
Tel. No. with STD Code:	044 22662501

Mobile:

Name of the IQAC Co-ordinator:

Mobile:

IQAC e-mail address:

1.3 NAAC Track ID(For ex. MHC0GN 18879)

1.4 NAAC Executive Committee No. &Date:
(For Example EC/32/A&A/143 dated 3-5-2004.
This EC no.is available in the right corner-bottom
of your institution's Accreditation Certificate)

1.5 Website address:

Web-link of the AQAR:

1.6 Accreditation Details

Sl.No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	B	2.58	2015	5 years
2	2 nd Cycle				
3	3 rd Cycle				
4	4 th Cycle				

1.7 Date of Establishment of IQAC : DD/MM/YYYY

1.8 AQAR for the year(for example 2010-11)

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC ((for example AQAR 2010-11 submitted to NAAC on 12-10-2011))

The Certificate of Accreditation, after the First Cycle of Assessment by NAAC, is dated 16.11. 2015

- i. AQAR2015-2016 submitted to NAAC on 23.03.2017
- ii. AQAR2016-2017 submitted to NAAC on 18.08.2017
- iii. AQAR _____ Nil _____ (DD/MM/YYYY)

1.10 Institutional Status

University State Central Med Private

Affiliated College Yes No

Constituent College Yes No

Autonomous college of UGC Yes No

Regulatory Agency approved Institution Yes No

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education Men Women

Urban Rural Tribal

Financial Status Grant-in-aid IC 2(f) UGC B

Grant-in-aid + Self Financing Total Self-financing

1.11 Type of Faculty/Programme

Arts Science Commerce Law PEI (Phys Edu)

TEI (Edu) Engineering Health Science Management

Others (Specify)

Maritime Studies, Hotel & Catering Mgmt, Mass
Communication and Music & Fine Arts

1.12 Name of the Affiliating University (for the Colleges)

Not Applicable

1.13 Special status conferred by Central/ State Government- UGC/CSIR/DST/DBT/ICMR etc

-

Autonomy by State/Central Govt. / University

University with Potential for Excellence	-	UGC-CPE	-
DST Star Scheme	-		-
UGC-Special Assistance Programme DST-FIST	-		-
UGC-Innovative PG programmes	-	(specify)	-
UGC-COP Programmes	-		

2.IQACComposition and Activities

2.1No. of Teachers	7
2.2No. of Administrative/Technical staff	3
2.3No. of students	1
2.4No. of Management representatives	1
2.5No. of Alumni	1
2.6No. of any other stakeholder and community representatives	1
2.7 No. of Employers/ Industrialists	1
2.8 No. of other External Experts	1
2.9 Total No. of members	16
2.10No. of IQAC meetings held :	2

2.11 No. of meetings with various stakeholders: No. lty

Non-Teaching Staff	Students	Alumni	Others
<input type="text" value="1"/>		<input type="text" value="1"/>	<input type="text" value="2"/>

2.12 Has IQAC received any funding from UGC during the year? Yes No

If yes, mention the amount

2.13 Seminars and Conferences

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos.	<input type="text" value="117"/>	International	<input type="text" value="10"/>	National	<input type="text" value="105"/>	State	<input type="text" value="0"/>	Institution Level	<input type="text" value="2"/>
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(ii) Themes

Pedagogy, Research Methodology, ADR Monitoring & Reporting, Pharmacovigilance Role of Pharmacist, Statistical Programming in Clinical Trials, Emerging Areas of Research in Science, Engineering and Management, Journalism, Photography, Documentary Film making, Acting, Data Mining, LetZConnect Intranet and Internet App for connecting Students & Faculty members, Fundamentals of Storage Management, Redhat System Admin Linux and Cloud, Data Science and Importance of R Programming, Administration, BlockChain Technology, Rational Tools, Cloud Computing, Cyber Security in IoT, Hands On Training On Critical Care Equipments, MATLAB- Hands on training, Fire safety

2.14 Significant Activities and contributions made by IQAC

All the above said activities relating to improvement in quality are planned, monitored and executed through the Departments

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality

Enhancement and the outcome achieved by the end of the year *

S.No.	Plan & Actions at the beginning of the year	Action Taken
1.	New AICTE regulations for professional courses from next academic year	The Board of Studies has to meet with Experts and have to come up with new curriculum from 2019.
2	To Plan for more Research projects through Funded agencies	Projects which has been carried out as seed grand has been sent to funding agencies. Projects worth 30 crores has been submitted as an outcome of this exercise
3.	Feedback System for the forthcoming semester	It has been decided to continue Online Feedback system in the forthcoming semester.
4.	To initiate the more research clusters	Artificial Intelligence Lab and few other clusters like IoT have been established.
5.	Common Instrumentation Centre	The Common Instrumentation facility is functioning effectively with equipments worth 4 crores
6.	To bring more Consultancy projects	Our senior faculty members have started to provide consultancy services to Industries

* Attach the Academic Calendar of the year as Annexure

Academic Calendar is available in our Institution Website

2.15 Whether the AQAR was placed in statutory body Yes

Management

Any other

Academic Council

Provide the details of the action taken

S.No.	Plan & Actions at the beginning of the year	Action Taken
1	To Plan the events for Academic Calendar (2017-2018)	Each department has been asked to prepare and submit academic action plan consisting of regular teaching activities, conference and seminars, industrial visits, field visits, MoUs to be signed and any other programs for extension

		activities. All HODs have submitted their academic action plan.
2.	FDP program at University Level	<p>The following FDPs have been organized at University and Department Level.</p> <ul style="list-style-type: none"> • FDP on “Pedagogy & Research Methodology” at VISTAS • Faculty development program on structural equation modeling & preparation of project proposal for funding at VISTAS • National symposium on Emerging areas of Research in science, Engineering and Management <p>Permitted to attend FDP organized by other institutions.</p>
3.	Budget for (2017-2018)	The HODS have been asked to prepare budget for the Department and then consolidated budget for the schools as a whole. The budget has been refined in such a way it contains information on recurring and non-recurring expenditures, expenditures on research, expenditure on publications etc., Rs.7,22,51,000/- have been earmarked for VISTAS and this amount excludes salary, and expenditure on permanent asset improvements.
4	To include Life Skill Courses for all Students	Yoga is provided to the students through World Community Centre and for others Life skill courses on e.platform namely MOOC (SWAYAM).

Part – B

Criterion – I

I. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	24	3	-	-
PG	50	-14	-	-
UG	42	1	-	12
PG Diploma	1	-	-	2
AdvancedDiploma	-	-	-	-
Diploma	6	-	-	4
Certificate	5	-	-	6
Others (M.Phil.,)	13	1	-	-
Total	141	-	-	-
Interdisciplinary	06	-	-	-
Innovative	16	-	-	-

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options

VISTAS has adopted CBCS for all the programs of study with sufficient elective options, thus, providing the required flexibility in the curriculum.

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	90%
Trimester	NIL
Annual	10%

1.3 Feedback from stakeholders* Alumni Parents Employers/Students

(On all aspects)

Mode of feedback: Online Manual/Co-acting school (or PEI)

**Please provide an analysis of the feedback in the Annexure*

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

Yes, syllabi revised for 30 degree programmes during 2017-2018.

1.5 Any new Department/Centre introduced during the year. If yes, give details.

The following new Department / centre introduced during 2017-2018.

1. Artificial Intelligence Research Lab
2. Central Instrumentation Centre

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
642	456	91	91	4

2.2 No. of permanent faculty with Ph.D.

244

2.3 No. of Faculty Positions Recruited (R) and Vacant(V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
214	-	26	-	9	-	-	-	249	-

2.4 No. of Guest and Visiting faculty and Temporary faculty

3

10

87

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	10	79	5
Presented papers	45	254	22
Resource Persons	8	4	26

2.6 Innovative processes adopted by the institution in Teaching and Learning:

- The Teaching learning process has been enriched by introducing ICT enabled class rooms, Wi-Fi campus, e.learning platform, Vels Library Subject Gateway, Video lectures and Smart Class rooms.
- The University has installed Language Laboratory, SAP Laboratory, E.learning platform and has a Foreign Language Centre for the advanced learners.
- Focusing on the needs of the student, the learning process is made student-centric focusing on LMS, KMS and EMS.
- Innovation in teaching is a combination of Teacher, Taught and Technology. All these three must go hand in hand to create conducive climate for innovative learning. The teachers initiate innovative pedagogies, the taught initiates and innovates self-learning shared teaching learning and peer evaluation strategies. The technology such as Smart Class rooms, Mobile learning, Webinars, social networks help in enhancing the teaching learning process.
- Learners–centered activity like participative learning, interactive learning, collaborative learning, blended learning and experimental learning are practiced through students seminars, case studies, assignments, project work, problems solving exercises, and field works and industrial visits. Common sources like NPTEL, E- Learning and other platforms available for teaching and learning process are utilized for student.
- The Internet connections are available in all the departments and 27 smart class rooms and 81 LCD projectors are also made available.
- The university is privileged to have INFLIBNET, e.learning platform, digital resources including resources of NPTEL, Edx, Coursera, Khan Academy, TED DELNET, Shodhganga, e-Shodhsindhu, NDL, etc.,
- Providing orientations and indulging faculties and students to take part in resources under MHRD guidelines such as – INFLIBNET – e-PG Pathsala, e-ShodhSindhu, Shodhganga, NPTEL, National Digital Library (NDL), CEC and SWAYAM.
- The subject gateway portal which is designed and developed by the library holds resources such as e-Journals, e-Books, Repositories, etc. Resources provided by e.PG Pathsala, SWAYAM, NDL and CEC can be access remotely anywhere at any time, also, e-Journals form EBSCO database can be access outside the campus via app in android devices.
- Use of ICT has become integral part of “Teaching-Learning” process of the university. Nearly 85% of the faculty use technology based teaching as per the recommendation of IQAC. Virtual learning is enabled by the IIT(M) and IIT(K) under the nodal program.
- These are planned and executed on the supervision of IQAC and teachers are motivated and trained by the IQAC to follow all the above said.

2.7 Total No. of actual teaching days during this academic year

185(excluding examination days)

2.8 Examination/ Evaluation Reforms initiated by the Institution(for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

Bar Coding, Double Valuation for PG, Photocopy on demand.

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

312

2.10 Average percentage of attendance of students

82%

2.11 Course/Programmewise distribution of pass percentage :2017-18

Sl.No	Program Code	Program Name	Number of students appeared in the final year examination	Number of students passed in final year examination
1	101	BBA - BACHELOR OF BUSINESS ADMINISTRATION	108	77
2	102	B.Com - ACCOUNTS AND FINANCE	223	188
3	103	B.Com - COMPUTER APPLICATION	92	73
4	104	B.Sc - NAUTICAL SCIENCE	90	80
5	105	BCA - BACHELOR OF COMPUTER APPLICATION	227	139
6	106	B.Sc - COMPUTER SCIENCE	143	113
7	107	B.Sc - BIOTECHNOLOGY	70	58
8	108	B.Sc - VISUAL COMMUNICATION	79	61
9	109	B.Sc - HOTEL AND CATERING MANAGEMENT	64	48
10	110	B.Sc - BIOCHEMISTRY	50	40
11	111	B.Sc - INFORMATION TECHNOLOGY	49	38
12	113	B.Sc -MICROBIOLOGY	48	42
13	114	B.Sc - BIOCOMPUTING	28	22
14	115	B.Sc - ANIMATION	58	44
15	116	BCA - BACHELOR OF COMPUTER APPLICATION (HONOURS)	29	26
16	117	B.Sc - CHEMISTRY	61	42
17	118	BA - ENGLISH	34	23
18	150	B.Pharm - BACHELOR OF PHARMACY	95	88
19	151	BPT - BACHELOR OF PHYSIOTHERAPY	35	35
20	201	M.Sc - BIOTECHNOLOGY	9	9
21	203	M.Sc - ORGANIC CHEMISTRY	6	3
22	206	M.Sc - INFORMATION TECHNOLOGY	11	10

23	207	M.Sc - COMPUTER SCIENCE	11	11
24	208	M.Sc - CHEMISTRY	14	12
25	209	M.Sc - BIOINFORMATICS	2	2
26	210	M.Sc - BIOCHEMISTRY	10	4
27	211	M.Sc - HOTEL AND CATERING MANAGEMENT	8	5
28	214	M.Sc - APPLIED MEDICAL BIOTECHNOLOGY AND CLINICAL RESEARCH	4	4
29	215	M.Sc - IMMUNOLOGY AND MICROBIOLOGY	10	10
30	216	MA - ENGLISH	16	15
31	219	M.Sc - ANIMATION	6	5
32	226	M.Sc - INDUSTRIAL CHEMISTRY AND MANAGEMENT	8	7
33	301	MBA - MASTER OF BUSINEES ADMINISTRATION	37	33
34	302	MBA - LOGISTICS AND SHIPPING MANAGEMENT	44	44
35	304	MCA - MASTER OF COMPUTER APPLICATION	40	39
36	305	MBA - LOGISTICS AND SUPPLY CHAIN MANAGEMENT	40	40
37	308	BBM - BACHELOR OF BUSINESS MANAGEMENT	5	5
38	308	MBA - MASTER OF BUSINESS ADMINISTRATION (INTEGRATED)	5	5
39	316	MBA - BUSINESS ANALYTICS	25	21
40	401	M.Pharm - PHARMACEUTICS	5	5
41	404	M.Pharm - PHARMACEUTICAL ANALYSIS	2	2
42	408	Pharm.D	24	24
43	409	Pharm.D - POST BACCALAUREATE	1	1
44	501	MPT - MASTER OF PHYSIOTHERAPY	2	2
45	511	B.Ed. - BIOLOGICAL SCIENCE	5	5
46	513	B.Ed. - CHEMISTRY	3	3
47	514	B.Ed. - COMMERCE	4	4
48	515	B.Ed. - COMPUTER SCIENCE	7	7
49	518	B.Ed. - ENGLISH	16	16
50	519	B.Ed. - HISTORY	7	6
51	520	B.Ed. - MATHEMATICS	21	21
52	522	B.Ed. - PHYSICS	5	5
53	523	B.Ed. - TAMIL	8	8
54	601	BE - MARINE ENGINEERING	74	68
55	602	BE - COMPUTER SCIENCE AND ENGINEERING	45	35
56	603	BE - ELECTRONICS AND COMMUNICATION ENGINEERING	34	24
57	604	BE - MECHANICAL ENGINEERING	87	66
58	605	BE - CIVIL ENGINEERING	63	47
59	606	BE - ELECTRICAL AND ELECTRONICS ENGINEERING	33	27
60	609	BE - AUTOMOBILE ENGINEERING	16	12
61	611	B.Tech - IT (INFORMATION SECURITY AND CLOUD TECHNOLOGY)	36	31
62	801	ME - COMPUTER SCIENCE AND ENGINEERING	9	7
63	802	ME - COMMUNICATION SYSTEMS	4	4
64	803	ME - COMPUTER INTEGRATED MANUFACTURING	5	5

65	804	ME - POWER ELECTRONICS AND DRIVES	4	4
66	804	ME - CONSTRUCTION ENGINEERING AND MANAGEMENT	3	2
67	806	ME - AUTOMOBILE ENGINEERING	7	5
68	809	ME - ENVIRONMENTAL ENGINEERING	4	3
69	853	M.Tech - NAVAL ARCHITECTURE AND OFFSHORE ENGINEERING	7	6

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

- The student feedback system, peer review, academic audit and self-appraisal enabled VISTAS to maintain quality of Teaching Learning and Evaluation.
- The academic audit is conducted once in 6 months. Based on the suggestions received from External Academic Auditors, the feedback from the faculty teaching the concerned subject and the students, feedback from students, the Curriculum & Syllabi are improved during the subsequent meeting of the BoS. The activities are put under strict compliances of time and quality.
- VISTAS has a credible evaluation system of teachers to foster teachers' quality and promote professional development.
- VISTAS obtains Feedback from the students about the performance of teachers in each of the course offered.
- Students are asked to evaluate the qualities of teachers' interims of their overall performance in the class room, their behaviour towards students and regularity of attendance.
- The students are also asked to give their feedback on completion of syllabus, pace of completion, promptness and impartial evaluation of answer scripts.
- The self-appraisal of teachers and peer review also help the management to evaluate the teachers. All these are planned and executed under the effective monitoring of IQAC.
- The feedback received is analysed by IQAC and the outcome is communicated to the teachers through HODs / Directors.
- The outcome of all feedback is not used for punitive action, but for professional development of the teachers. If the teacher fails to improve even after repeated gentle reminders, there is provision to initiate disciplinary action.
- The students are duly kept informed about the structure of the examinations, continuous assessment, tutorials, dates of end semester examination, continuous assessment examinations and practical examinations, these are included in the academic calendar of VISTAS.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	330
UGC – Faculty Improvement Programme(attended)	-
HRD programmes	5
Orientation programmes	155
Faculty exchange programme	36
Staff training conducted by VISTAS	742
Staff training conducted by other institutions	457
Summer / Winter schools, Workshops, etc.	9
Others	

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	275	-	26	101*
Technical Staff	73	-	15	-

***Outsourced**

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

- All research activities in VISTAS are strictly monitored by IQAC and facilitated with appropriate guidance by various statutory committees such as Research Advisory Committee, Centre for Advanced Research Development Committee (CARD), Research Projects Review Committee and Publication Oversight Committee.
- Every year all publications of VISTAS are made to adhere for Quality benchmarks like Impact factor, citation index, SNIP, SJR etc., of the journal and 'h' index of the authors using SCOPUS, Web of Science, Pub Med, EBSCO and Google-Scholar databases. All faculty members and students should submit the manuscripts for approval to Publication
- Oversight Committee is for screening it for originality and quality. The manuscripts are also screened for plagiarism through anti plagiarism software before submitting to journals.
- Starter seed money grant is given to 20 teachers in a year with a maximum grant of Rs 2 Lakh per faculty.
- VISTAS has an in house IPR CELL and an IPR Consultant. The IPR CELL periodically arranges IPR sensitization seminars to create awareness among the faculty members, researchers and students about the importance of patenting the invention and also the method to transfer of technology.
- VISTAS has instituted many research awards to encourage the faculty. Awards are given in various categories like Best Paper Publication, Guiding PhDs, Book Publication, Implementation of Major Projects,
- VISTAS corresponds with nearby industries and introduces out experts and expertise to them to undertake consultancy services. The faculty members are encouraged to write proposals to state, central and international funding agencies throughout the year and whenever such proposals are invited by the agencies.

3.2 Details regarding major projects (July 2017 to June 2018)

	Completed	Ongoing	Submitted
Number	3	7	50
Outlay in Rs. Lakhs	25,22,000	6,49,02,735	Rs.28.06 crores

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned
Number	71		71
Outlay in Rs. Lakhs	63.1		63.1

3.4 Details on research publications

	National & International	Others
Peer Review Journals	1098	-
Non-Peer Review Journals	-	-
e-Journals	-	-
Conference proceedings	93	-

3.5 Details on Impact factor of publications:

Range 0.172-4.259 Range 1.97 h-index 15 Nos. in SCOPUS 657

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	3 Years	Materials for Energy Storage (MES) – 2017, DST, New Delhi	Rs. 66.88 Lakhs	Ongoing
	1 Year	Naval Research Board (NRB), New Delhi	Rs. 6.00 Lakhs	Ongoing
	3 Years	MHRD - IMPRINT Sanctioned vide Ref. F. No. 3-18/2015-T.S.-I(Vol. III) 24th April, 2017	Rs. 115.97 Lakhs	Ongoing
	3 Years	DST SERB ECR, New Delhi	Rs. 28.02 Lakhs	Ongoing
	3 years	DBT,	34,20,000	Ongoing
	3 years	DBT,	23,86,241 +	Ongoing
	3 years	SERB, DST, New Delhi	25,07,390	Ongoing
	3 years	Dept. of Ayush	14,11,900	Ongoing
	3 years	SRB EMR DST, New Delhi	36,00,000	Ongoing
	3 years	SRB EMR DST, New Delhi	32,48,759	Ongoing

	3 years	SERB, DST, New Delhi	22,12, 100	Ongoing
	3 years	SERB, DST, New Delhi	30,00, 000	Ongoing
	3 years	SERB-ECR, DST, New Delhi	30,00, 000	Ongoing
	3 years	DST,	66.88 L	Ongoing
	2 years	CVRDE, DRDO	17,41,345	Ongoing
	2years	DST	10000000	Ongoing
Minor Projects	71	VISTAS	63,11,800	63,11,800
Interdisciplinary Projects	-	-	-	-
Industry sponsored(Consultancy)			16,50,000	13,50,000
Projects sponsored by the University/ College	1 year	-	-	-
Students research projects <i>(other than compulsory by the University)</i>	-	-	-	-
Any other(Specify)	-	-	-	-
Total			7,28,64,535	

3.7 No. of books published i) With ISBN No. Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP CAS DST-FIST
DPE DBT Scheme/funds

3.9 For colleges Autonomy CPE DBT scheme
INSPIRE CE other (specify)

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	6	11	-	-	-
Sponsoring agencies	0	0	0	0	0

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations International National An

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs :

From Funding agency From of University/College

Total

5,10,38,800

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	9
	Granted	0
International	Applied	-
	Granted	-
Commercialised	Applied	1
	Granted	-

3.17 No. of research awards/ recognitions received by faculty and research fellows Of the institute in the year

Total	International	National	State	University	Dist	College
228	-	14	214	-	-	-

3.18 No. of faculty from the Institution who are Ph.D. Guides and students registered under them

82

596

3.19 No. of Ph.D. awarded by faculty from the Institution

52

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF

21

SRF

-

Project Fellows

5

Any other

36

3.21 No. of students Participated in NSS events:

University level

1427

el

-

National level

International level

-

-

3.22 No. of students participated in NCC events:

University level

-

level

-

National level

International level

-

-

3.23 No. of Awards won in NSS:

University level

-

State level

-

National level

International level

-

-

3.24 No. of Awards won in NCC:

University level

-

State level

-

National level

International level

-

-

3.25 No. of Extension activities organized

University forum	College for	18	-		
NCC	NSS	Any other	-	10	-

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

VISTAS sensitizes its faculty members and students on its Institutional Social Responsibilities to cater to the needs of people who are deprived of education. Because of this, most of faculty members and students know very well about the social and economic status of the people near the campus and so they volunteer to do social service to the people.

- ✓ The Faculty members and the students are encouraged to take part in collaboration with other organizations such as GOs, NGOs, SHGS, local bodies etc. in carrying out societal outreach programmes.
- ✓ Information concerning these programmes is circulated through notices and co-ordinators of NSS, Youth Red Cross and Heads of Departments.
- ✓ University appreciates the services provided by students and faculty by taking into consideration their working for such activities as on duty.
- ✓ Courses from the Schools of Pharmacy and Physiotherapy have extension activities incorporated as part of the field practices.
- ✓ Undergraduate and postgraduate students of Pharmacy and Physiotherapy are taken for field social work in the community as a part of their training.
- ✓ VISTAS has established a free Palliative Care Hospital for the old age people, which is the first of its kind in the part of the country.
- ✓ Several of the prominent contributions of University include:
 - Serving public through various awareness camp
 - Involvement in Government organized health care programmes
- ✓ VISTAS encourages the Faculty, staff and students participate regularly in various health care programmes, flood relief, disease outbreaks and disaster management, Environmental awareness camp etc.
- ✓ Training programmes are routinely conducted at University on Public Health camp, Self Help group, Noise awareness, Breast cancer awareness etc
- ✓ The NSS of University with other departments spearheads community awareness on Pollution, Environmental, Occupational Health Impact, Digital payments, Swachh Bharat and cleanliness.
- ✓ NSS Unit of Vels University commemorated the “National Day for the mentally retarded persons” in fitting manner in association with Tambaram Parents Association for the Mentally Retarded, Lions and Lioness Club of Madras. Nearly 400 NSSs volunteers participated in the mega event. Around 100 Mentally Retarded student from five Schools were the Invitees for the programme

- ✓ Tamil Nadu state NSS organization celebrated “Youth Inspire programme” in associated with Babaji Ashram, Manapakkam to celebrate the 154th birth anniversary of swami Vivakanandha.

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area Main Campus (Pallavaram) Satellite Campus(Thalambur)	13.91 acres 15.22 acres	-	University	29.13acres
Class rooms	306	-	University	306
Laboratories	149	-	University	149
Seminar Halls	4+2	-	University	4+2
No. of important equipments purchased (≥ 1-0 lakh) during the current year.	121	-	University	121
Value of the equipment purchased during the year (Rs. in Lakhs)	9,65,00,000	-	University	9,65,00,000
Others	-	-	-	-

4.2 Computerization of administration and library

<p>OPAC (Online Public Access Catalogue) facility Automation of the Library - Automated Book Circulation Issue of Barcode Identity Card to the students for ease of access in Library Provision of Inter-Library Loan (DELNET, MALIBNET and BCL) Vels Library Subject Gateway portal, Audio Video / Virtual Learning Centre, Implementation of Touch Screen Facility for the students to develop the Interactive User Interface and Wi-Fi facility</p>
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4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	89710	25015278	8965	250100	98675	25265378
Reference Books	12881	12264023	1270	122600	14151	12386623
e-Books	137717	904207	13760	9050	151477	913257
Journals	343	1727732	35	17142	378	1744874
e-Journals	12381	3444211	1240	34450	13621	3478661
Digital Database	16		5		21	
CD & Video	4849	185826	492	1860	5341	187686

Others (specify)	-	-	-	-	-	-
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Others : Newly added

DELNET Institutional membership	16500.00
INFLIBNET e-shodh sindhu - Associate membership	10000.00
Library subject gateway domain	6414.00
BLOC - Business Line On Campus	299.00

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	1784	24	2 Mbps	-	1	8	42	-
Added	516	2	-	-	-	-	-	-
Total	2300	26	2 Mbps	-	1	8	-	-

4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

- Training in use of useful softwares to all research scholars and faculty members
- Advanced training program for students
- Skill Development workshop on E-content development
- Orientation program on office automation to all the faculty members
- Training program on Curriculum Development was conducted
- Training program on Choice Based Credit System (CBCS) was conducted
- FDP Programmes on Pedagogy and Research
- FDPs in association with ICT.
- Three days Faculty Development Program on “**Student Concentric Pedagogy**”
- Two days FDP workshop on **Stress Management**
- Training on Web tools and e-content for digital learning
- Two days FDP on **Pedagogy and Research Methodology**.
- Internet access with 1 GB NKN connectivity and 204 Mbps Aircel network
- Providing orientations and indulging faculties and students to take part in resources under MHRD guidelines such as – INFLIBNET – e-PG Pathsala, e-ShodhSindhu, Shodhganga, NPTEL, National Digital Library (NDL), CEC and SWAYAM.

4.6 Amount spent on maintenance in lakhs :

i) ICT	590.5
ii) Campus Infrastructure and facilities	3677.48
iii) Equipments	354.3
iv) Others	236.2
Total :	4858.00

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- For boys and girls both, there is anti-ragging committee which insures ragging free atmosphere in the campus and in hostels.
- A Grievance Redressal Committee has been established as per the University Grants Commission (Grievance Redressal) Regulations 2012. The grievances of the students, undergoing Regular study, brought to the Head of the Departments are redressed by the Department itself then and there.
- Prevention, prohibition and redressal of sexual harassment of women employees and students Committee has been established as per the UGC Regulations, 2015. The Committee deals with issues relating to sexual harassment at the University. It is applicable to all students, staff and faculty.
- A special course on communicative English for the weaker section of students
- Extension activity committee has co-ordinators from different departments in extending the intellectual and infrastructural facilities to the student community outside the University and to common public.
- The Dean (Admissions), Deans (Students affairs), Director of International Students Cell function in respective domains to facilitate the students to have good academic atmosphere
- The University offers a Mentor- Mentee Programme' where the faculty members of the University serve as dynamic mentors for a group of 25-30 students and are accountable for addressing their academic and social needs on and off campus.
- Regular Parent-Teacher meeting conducted and it provides occasion for parents to get information about their wards. The attendance percentage and marks secured in Continuous Assessment is regularly intimated to the parents.
- The Placement and Training Cell of the University offers various kinds of aptitude and soft skill development programmes for the eligible students. The Placement cell outsource the training and also make necessary arrangements for signing MoUs with other outside agencies such as Six Phrase, Enrich & Excell, RIPE Training Institute, Revature Software Solutions, Focus Academy and IRMS Training Solutions.
- The University has an active Entrepreneurship development cell, which conduct awareness programs and provide guidance to become Entrepreneurs
- Needy students from different schools are provided with financial aid that includes free ships, Fee concession or waiver of tuition fees for the year and/or provision of hostel facility at a concessional rate.
- The Officer of International student's affairs look after the immigration needs, visa requirements, money transfer, accommodation and cultural adaptations of overseas students.
- Differently-abled users can get access to ramp, wheelchairs, etc as per their requirement.
- 24 hrs transport facility is available for students including those who residing in Hostels for any emergency service. Tie-up with nearby hospitals namely Kamatchi Hospital & Parvathy Hospital. The 24*7 Apollo Health Insurance Clinic is located within the campus
- SAP Training programme and course in Foreign Language such as French, Japanese are offered.

5.2 Efforts made by the institution for tracking the progression

- Through placement cell the progression of the students is monitored.
- Strong alumni association through which progression is tracked.
- The mentoring system also monitors the progression of the students from one level to other level.

5.3 (a) Total Number of students

UG	PG	Ph. D.	M.Phil.	Diploma
9015	1094	59	142	139

(b) No. of students outside the state

241

(c) No. of international students

11

No	%
7600	70.10%

No	%
3442	29.90%

MenWomen

Last Year(2016-2017)						This Year (2017-2018)					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
608	594	26	2140	4	3372	396	535	24	2418	11	3384

Demand ratio : 1 : 1.17

Dropout : 1.2%

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

Coaching classes and training programmes are arranged regularly for the students who wish to appear for NET / SET and competitive examinations. MoU signed with Bharathidasan IAS Academy to coach the IAS aspirants of the university within the campus. The Placement and Career Development cell and Library Information Centre provide these assistance.

No. of students beneficiaries

6227

5.5 No. of students qualified in these examinations

NET	<input type="text"/>	UJLET GATE	<input type="text"/>	AT	<input type="text" value="01"/>	<input type="text"/>
IAS/IPS etc	<input type="text"/>	State PSC	<input type="text"/>	C	Others	<input type="text" value="422"/>

5.6 Details of student counselling and career guidance

- Class-committees & its meetings for understanding student perspective, everything documented & follow up action taken.
- Mentorship: Each Mentor counsels 25 students & maintain a Record of the Mentees, their problems, challenges etc & counsels them accordingly.
- Teachers – Parent Interaction on a regular basis.
- Placement cells coordinate career guidance.
- Regular Industry Interaction Programmes and Seminars for giving a fresh perspective on career guidance
- Sixty hours of Soft-skill development programme for making them employment ready is given to all the final year students.

No. of students benefitted

All Students

5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
127	2204	1198	299

5.8 Details of gender sensitization programmes

- The university conducts gender related activities which are women – centric
- Women’s day being celebrated every year wherein outstanding women are honoured.
- Various awareness programs pertaining to women welfare are organized.
- The university have well-structured sexual harassment and women equality cell to deal with issues related to sexual harassment within the campus. The cell has been constituted as per guidelines of UGC.
- The committee consists of senior faculty members drawn across the schools of the university and administrative office.
- Grievance / suggestion by students, faculty or staff can be given directly to the coordinator of the committee.

5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports : State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution		
a) Socially and Economically backward	805	Rs.95,75,604
b) Merit Scholarship	330	Rs.12,73,313
c) Scholarship for Sports persons	214	Rs.42,01,450
d) Vels Research Fellow	161	Rs.38,40,000 for 2017-18
Financial support from government	-	-
Financial support from other sources	-	-
Number of students who received International/ National recognitions	-	-

5.11 Student organised / initiatives

Fairs	: State/ University level	<input type="text" value="15"/>	National level	<input type="text" value="-"/>	International level	<input type="text" value="-"/>
Exhibition:	State/ University level	<input type="text" value="8"/>	National level	<input type="text" value="-"/>	International level	<input type="text" value="-"/>

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed:

There are a number of redressal mechanisms and bodies which specifically look at complaints:

Grievance Redressal Cell and Online registration of grievance by students are effectively functioning.

- Students, issues – Class in charges /Head of the Department
- Ragging – Vice-Chancellor / Head of the Department
- Administrative issues –Vice Chancellor and Registrar
- Examination issues –Controller of Examination.
- Transport issues –Transport in charge
- Faculties – Heads, Deans, Registrar, and Deputy Registrar
- Committees related to functional areas

IQAC has representation in Examinations issues and in other functional areas.

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

VISION

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.

MISSION

The Vision is to be achieved by the following methods:

- a) By cultivating scientific temper and innovative thinking by promoting independent learning, collaborative learning, and experimental learning using all the modern gadgets of ICT.
- b) By actively promoting and preserving higher value and ethics in education apart from sensitizing them towards the societal responsibility.
- c) By imparting skill based education to meet the global demand apart from providing the students an opportunity to acquire and cultivate leadership qualities.
- d) By installing the spirit of equity, communal and social harmony, sense of toleration among students apart from enriching them with right citizenship and love for the nation.
- e) By providing them various kinds of learning process such as experimental learning, experience learning, problem based learning, project based learning, e.learning, participatory learning and computer aided learning.
- f) By making them to do original, quality and innovative research which is proved by measurable outcome.
- g) By providing LMS, KMS and EMS to all the students apart from MIS.
- h) By undertaking outreach and extension programme to contribute to the welfare of the people.

QUALITY ASSURANCE

The University has established a system of Quality Assurance to monitor and enhance the quality of education.

6.2 Does the Institution has a management Information System

ERP

It is a compact package, designed to provide a sophisticated, state of the art web technology, aimed at bringing about total quality in Education Management. ERP focuses on excellent coordination between University and students, making e-education scenario "a reality".

It provides the detailed structure of the University and its departments. It covers all aspects of the University, Students, Faculties, Departments, Assessment Marks, Attendance, Examination Time Table, Results, Placements and other Co – Curricular and Extra - Curricular activities. Our University provides various information about the staff and students, through the website: www.velsuniv.ac.in/erp ERP helps the Faculty members, Parents and Students of our University to keep track of the day-to-day activities such as Attendance Management, Mentee Management, Management Information System (MIS), Internal Assessment Management, Reports Generation etc.

The following are some of the highlights and best practices of our user friendly System.

- The process of Course Registration, Student Registration, and Mentee Registration is simplified in our University.
- The attendance marking system in our University is very user friendly.
- The online leave submission, OD submission, Medical leave submission and their corresponding approvals are decentralized.
- The change/delete attendance, late attendance entry, internal assessment correction/deletion goes through automated hierarchical approvals.
- The attendance and the internal marks are transparent and can be viewed by students, parents, teachers and Heads of Departments. This information is also disseminated to parents through SMS.
- Mentors are provided with an efficient reviewing system for their mentees.
- A reminder through SMS helps the mentees to enter the attendance on time.
- Color coded report facilitates the mentors to easily track the reviewing /status / approval processes.
- The internal assessment reports can be generated from the University system itself which will then be sent to parents through postal communication
- The Central Library is automated by using Library Management Software **LIBGENIE**, Vital Functions like Book Circulation, User Registration, Transaction Details, Subject wise report generation and Stock Verification are carried out by this software.
- The examination section is fully computerized and automation is practiced from registration of students for examination, to publication of results and issue of grade certificates.

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

VELS University follows a systematic process in the design and development of the curriculum, which involves high level of participation, discussion and critical inquiry involving all the stakeholders contributing to the introduction, innovation, and revision of the syllabi. The design and development of curriculum is vital to VELS University and is carried under the guidance of very important statutory bodies of the university in a planned systematic manner to match with its vision and mission. The curriculum is designed fully adhering to the guidelines of the UGC, AICTE, IMO, STCW, Pharmacy Council of India, DGS and other national and state academic organizations. The syllabus is designed to provide a comprehensive coverage of the subject with emphasis on fundamentals as well as applied aspects. Periodic changes are made based on societal needs that provide a thrust for national development. Current trends in the job market are also considered while developing the syllabus. Feedback from the faculty, academic peers, and experts from industry, current students and alumni is used in the initiation, review, and redesign of curricula. The feedback from Central and State Governments as well as research organizations in India and overseas also help to design and modify the curriculum.

The University is governed by Governing Board - otherwise known as Board of Management and this is the highest statutory body of this University. The members of this Board are drawn from various fields. The Board has members representing University Grants Commission, Govt. of India, and Industry, Eminent persons outside Academia, Senior Academic persons and senior officials of the University. The Vice-Chancellor is the Chairman of the BOM meets periodically to frame policies and programmes for the growth and improvement of VISTAS. It is this body which approves the introduction of any new programme / Courses.

After elaborate discussions on the content and organization of the syllabus in the respective Boards of Studies, it is passed on to the Academic Council for deliberations and approval. Suggestions from the external members of the Academic Council are well received by University and incorporated in the subsequent curriculum development exercises continuously.

The curriculum development process is reviewed and monitor by curriculum development committee for the whole university. The IQAC plays a predominant role on this.

Every department has a curriculum development cell (CDC), in which Professors, Associate Professors and Assistant Professors (SG) are members. New syllabi are formed by respective subject teachers and discussed in CDC. The design and development of curriculum and syllabi are done through CDC.

Every department has its own Board of Studies (BoS) which is a statutory body. There are external members in every BoS - the first member is from Industry, the second member is a reputed academician and the third member is an ALUMNI. Apart from these members Dean/Director/HOD and members of the faculty also the members of BoS. Once in six months they attend the BoS meetings conducted by the Institute and it scrutinize the curriculum and syllabi and give very good and relevant suggestions for improving the quality of the curriculum as well as the syllabi.

The academic audit is conducted once in 6 months. Based on the suggestions received from External Academic Auditors, the feedback from the faculty teaching the concerned subject and students the Curriculum & Syllabi are improved during the subsequent meeting of the BoS. The activities are put under strict compliances of time and quality and monitored by IQAC.

3.2 Teaching and Learning

Teaching – Learning process has been modified to include interactive instructional techniques, focused discussions, projects, presentations, internships and field visits. The talk and chalk method has been mostly replaced with ICT enabled teaching especially with blended learning. Independent learning, Interactive learning, Collaborative and participatory learning are encouraged.

Virtual learning through the moodle programs of IIT Mumbai, IIT Kharagpur are being made available. Blended learning is promoted with the help of E-Platform and FOSS established in the university.

The recruitment of faculty members are done as per UGC norms viz., advertising through national dailies, screening of applications, constitution of selection committee as per UGC norms having Vice-Chancellor as the Chairman, conduct of interview, selecting the eligible candidates, forwarding the selection list and getting the approval of Board of Management and on receipt of selection orders, the selected candidates will join duty.

The faculty members are encouraged to do research. Special monetary incentives are given for publication. Necessary funds are provided for participation in seminars and conferences and other enrichment programs.

The Staff Student ratio is maintained as per norms of UGC/AICTE and other statutory bodies. (like PCI, IAP, D.G.Shipping etc.) Remedial classes are conducted for the students of different backgrounds and abilities. The institution has an effective mechanism for continuously monitoring the students progress. We have Mentor-Mentee system, where about 30 students are assigned to every teacher, and the teacher counsels the students on a regular basis. Further, class committees, comprising of class teacher, a student representative and HOD are meeting as and when required. Learner centered education is provided through appropriate methodology.

6.3.3 Examination and Evaluation

The Choice Based Credit System, and transparent examination and evaluation system have strengthened the efforts of the university to provide better Teaching Learning process which makes the students of VISTAS not only knowledgeable but also skill based enabling them to stand out from the crowd and meet the challenges in life confidently. The above process is effectively monitored by the IQAC.

University has adopted the continuous assessment system, where both formative and summative assessments are ensured. Students are allowed to apply for re-totaling, revaluation and even photo copies or the answer scripts are given on demand. This apart we have provisions for the conduct of instant exams. Thus, the evaluation process is more reliable and transparent. We have adopted the latest grading systems which are comparable to the world standard viz., Cumulative Grade Point Average (CGPA) and Overall Weighted average mark (OWAM).

- ✓ All works related to examination in the office of Controller of examination is completely computerized and under the ERP system the work has been automated.
- ✓ A manual for examinations adopted by the BoM is available and scheme of examination proposed by BOS as recommend by in the Academic council and approved by BOM.
- ✓ A committee has been constituted by COE to look into the cases of malpractices
- ✓ After enquiry, appropriate action is taken in each as per the University Bye-laws. Details are available in office of the COE.
- ✓ Answer books of all examinations are assessed only at the central assessment centre.

6.3.4 Research and Development

- 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.
- 69 scholars have completed PhD and 190 scholars have completed MPhil during the academic year 2018-18.. Around 810 PhD scholars (FT&PT) are active in various research labs.
- 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.
- This year Seed money (50 lakhs) was allotted to research oriented faculty for converting innovative ideas into manufacturable products.
- VISTAS has filed 9 patents and 1 has 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 year 1098 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 135 MoUs with many Universities, Institutions and Industries in India and abroad resulting in teacher-student exchange programmes leading to collaborative research, skill upgradation 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.

6.3.5 Library, ICT and physical infrastructure / instrumentation

Vels Institute of Science, Technology and Advanced Studies (VISTAS) has been constantly investing on infrastructure to provide best of learning facilities.

The University library possessed a collection of 102591 Books, 137717 E-Books, 10032 Back Volumes, 4106 Dissertations and 4849 Audio visual Resources. The Library subscribes to more than 343 Periodicals (National & International) and 12381 E-journals. To facilitate quality teaching & research, Digital Library access to Electronic information services to ensure the information needs of our Student, Faculty and Staff are met. Staff and Students can access E-Journals and E-books from EBSCO (Business Source Elite & Academic Search Complete), Pro Quest, J-Gate, IEEE/IEL, ASME, ASCE, NPTEL, Micromedex's Drugdex Systems, Bentham Science Pharmacy, INVENTI Online, NATURE, Law Finder, Lexis Nexis India Law Online and EBrary E-Books Pro Quest Academic Complete. Online Learning process is made student- centric focusing on LMS, KMS, EMS - Edx, TED, Khan Academy, Coursera, and NPTEL. We have made the staff and students to enroll in National Digital Library, MHRD. 1379 Books, 20,000 E.Books and 355 E.Journals have been added in the stock during the period of review.

Library Website : As per MHRD Digital Initiatives, a separate library website (<http://velsunivlib.wixsite.com/vistaslibrary>) provides an overview of the library covering brief history, Mission and Vision, Library holdings such as Print and Online, Services provided, Rules and Regulations, it also provides link to access subscribed library resources like online journals, DELNET, Shodhganga, e-Shodhsindhu, NDL, INFLIBNET etc., A separate library subject Gateway web portal (<https://www.velslibrarysubjectgateway.com/>) which helps to provide information and educational learning resource for each and every school in university in an organized manner. It includes Open Source Online journals, e.Books, Fellowships, Soft skills, Career portal, Repositories, Resources coming under the guidelines of MHRD such as SWAYAM, e-PG Pathsala, and Consortium for Educational Communication, NPTEL, Shodhganga, e-Shodhsindhu and National Digital Library can be access via this portal anywhere at any time. Associate Member of e- ShodhSindhu, DIGITAL LIBRARY CONSORTIUM through INFLIBNET.

The campus has all facilities such as Playgrounds, Hostels, IT Infrastructure, including Wi-Fi facility, 24 hours power backup, well equipped library, cafeteria, three air-conditioned auditoria with a capacity of 1200, 250, 120 and a air-conditioned seminar hall with a seating capacity of 150, and a Clean and Green environment. Full Mission Bridge Simulator and Ship-in-campus to facilitate quality in teaching. Equipment worth about one crore have been added. 10 more class rooms have been connected as Smart class rooms. Wi-fi facility has been strengthened and 15 more LCD have been added.

Believing in the co-existence of a sound body and a sound mind, VISTAS has a spacious play ground with well laid out courts for Basketball, Volley ball and Kabaddi. For the convenience of students to practice various sports, the ground is divided into 2 parts. In Ground – I facilities provided are suitable for Football, 200 mts. Race, Track, Cricket Net and Cricket pitch. In Ground – II Cricket pitch is at the centre of the field and facilities are made for the students to practice Kabaddi Basketball and Volley ball. To promote sports and games and to motivate the students to develop sporting spirit, the academy conducts inter-collegiate tournaments and Inter-school State level tournaments in Volley ball, Kho-Kho and Cricket. “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 Multi-Gym has 11 stations for various exercises.

6.3.6 Human Resource Management

- Rewards/ Merit follows a process of fair selection at teaching and non-teaching levels
- Regular induction programs for new teaching and non-teaching staff
- Mentoring by senior faculty
- Conduct regular orientation programs,
- Refresher courses, staff development programs, and short term capacity building Workshops

6.3.7 Faculty and Staff recruitment

- Faculty and staff recruitment are centralized
- Only competent members selected with qualified degree
- Experienced members are given priority while recruiting
- The candidates are selected for appointment based on their merit and passion for this teaching profession.
- Based on the rules and regulations and directions given by the Government and UGC, the recruitment of the faculty and non-teaching staff is followed strictly.

6.3.8 Industry Interaction / Collaboration

- Setting up of Industry Institute Planning Cell
- Organizing Workshops, Conferences and Symposia with joint participation of the faculty and the industries.
- Encouraging engineers and management experts from industry to visit our Institute to deliver lectures.
- Participation of experts from industry in curriculum development.
- Arranging visits of staff members to various industry
- Professional consultancy by the faculty to industries.
- Industrial testing by faculty & technicians at site or in laboratory.
- Joint research programs and field studies by faculty and people from industries.
- Visits of faculty to industry for study and discussions or delivering Lectures on subjects of mutual interest.
- Visits of industry executives and practicing engineers to the Institute for seeing research work in laboratories, discussions and delivering lectures on industrial practices, trends and experiences. Memoranda of Understanding between the Institute and industries to bring the two sides emotionally and strategically closer.
- Human resource development programs by the faculty for practicing engineers and management
- Visiting faculty/Professors from industries.
- Practical training of students in industries.

6.3.9 Admission of Students

The Admission policy of the University is clearly laid down and widely circulated. Detailed information about the eligibility for admission to various programmes, conduct of the entrance test and the syllabi for the test including the model papers are distributed to all the candidates in the form of admission information brochure. Applications are available on the University website and in person.

- ❖ Admissions for various academic programmes are organized on all India basis.
- ❖ Admission notification is published in all the leading newspapers at both regional and national level.
- ❖ Publicity of the admission process is made by publishing the institutional prospectus online in the institutional website www.velsuniv.ac.in and by circulating the prospectus to the students and the public.
- ❖ Necessary information about the departments common facilities in the university and other facilities are made available in the university website
- ❖ Registration of candidates for the eligible courses.
- ❖ Conduct of Entrance examinations (for Professional courses)
- ❖ Preparation of Rank list
- ❖ Medical Examinations (Maritime Studies)
- ❖ Provisional selection based on merit (as per Central Govt. reservation norms)
- ❖ Interview cards to applicants
- ❖ Issue of admission cards and payment of fees
- ❖ For the all the Professional courses admissions are based on marks scored on entrance examination and qualifying examinations giving equal weight to both examination.

The Entrance test is being conducted every year on an All-India basis mainly with the objective of attracting bright and meritorious students from different parts of the country.

Admissions are purely based on merit and by following the rule of reservation. The admission policy clearly indicates the method of arriving at the merit list for admission into various programmes offered by the University.

Reservation policy is adopted to help the disadvantaged community, and differently abled. Students are provided with concessions and scholarship from the university reserve fund apart from scholarships provided by Govt. Agencies. Athletes and sports persons are admitted as per norms and they are given free education including Hostel fee.

6.4 Welfare schemes for

Teaching	Interest Free Loan Fee Concession to the wards of Staff Contribution Provident Fund Maternity Leave Staff Quarters Free Transport Accident Risk Insurance
Non teaching	Contribution Provident Fund ESI Interest Free Loan Fee Concession to the wards of Staff Maternity Leave Free Transport Accident Risk Insurance
Students	Accident Risk Insurance Fee concession Scholarship

6.5 Total corpus fund generated

Rs.8 Crores

6.6 Whether annual financial audit has been done Yes No

6.7 Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Academic Peers	Yes	Dept. wise audit
Administrative	Yes	M/s.Sundararajan Associates & Registrars	Yes	Management audit

6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes Yes No

For PG Programmes Yes No

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

The Controller of Examination Office is functioning with a full time Controller of Examinations, One Deputy Registrar, One Asst. Registrar and 10 supporting staff. The duties and responsibilities are well defined and the work flow is smooth and streamlined. This Office has the facilities for central valuation, Store room, Computers, Database Server and Printing /Photocopying facilities with in it. Exam timetable, seating arrangement are computerized.

The students are duly kept informed about the structure of the examinations, continuous assessment, tutorials, dates of end semester examination, continuous assessment examinations and practical examinations, these are included in the academic calendar of the university. All these informations are given by the Controller of examinations to the UG and PG students during the induction programmes itself. Facilities for verification of marks, photocopies of valued answer scripts, re-totalling and revaluation facilities are made available to the students. Optical Marking Recognition(OMR) based answer sheets to avoid human error besides hastening the process. Answer sheets with OMR based cover page has helped in transferring data to computers besides eliminating manual data entry operation. Dummy number system has been introduced from the academic 2014-2015 to have more transparency in evaluation.

The performances of the students are evaluated in continuous assessment scheme and 40% of total marks is allotted for Continuous Assessment and 60% for the end semester examination. A well-structured criteria is followed for the award of CA marks. Only external valuation is adopted in case of UG degrees and both Internal and External valuation incase of PG degree. The university has a grievance redressal cell which address issues, regarding the examination and evaluation.

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

NOT APPLICABLE

6.11 Activities and support from the Alumni Association

- Regular Alumni meet is held in the campus
- Interaction of Alumni and the present students are conducted regularly
- Alumni feedback also obtained to improve department activities.
- In the University's website, provision is given for the alumni to download the form that captures their profile. Alumni can fill up the form and forward through mail for updating in the database also, on every convocation day, invariably alumni meet is organized during which the progression details are collected and updated.
- We have a University Strong Alumni Association and it conducts a Alumni Meet every year on January 26th, since 2008. The committee members of Alumni Association consist of members from all the departments and the few members of the current final year students.
- Alumni are involved in providing feedback on the curriculum and act as a bridge between industry expectations and academic requirements.

6.12 Activities and support from the Parent – Teacher Association

The meetings with the parents are conducted at the department level to know their expectations for improving the academic performance.

6.13 Development programmes for support staff

Training on Laboratory equipment, applications, usage and safety for non-teaching staff was conducted.

For non-teaching technical staff, training on related theoretical topics and drafting were imparted.

6.14 Initiatives taken by the institution to make the campus eco-friendly.

Energy conservation

The University authorities are aware of 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.
- Emphasize is on paper less governance.
- Plastic free campus.

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 requirements.
- Solar lights are used in the main roads of university.
- The Biogas plant is in operation and the Biogas produced from food waste, decomposable organic materials and kitchen wastes is used in Hostel.

Water harvesting:

- All buildings are having water harvesting facility where by 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.

Efforts for Carbon neutrality:

- Tree plantation is done periodically and the greenery is maintain 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.

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.
- New trees are planted regularly as and when required.

Hazardous waste management:

- Hazardous waste generation is reduced by due process at the initial stage.
- The faculty of Science, Head of the departments and Principle Investigator in case of project adopt 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.

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

- ❖ ICT in teaching methods are effectively implemented.
- ❖ Innovation in teaching is a combination of teacher taught and technology. All these three must go hand in hand to create conducive climate for innovative learning. The teachers initiate innovative pedagogies the taught initiates and innovates self-learning shared teaching learning and peer evaluation strategies. The technology such as Smart Class rooms, Mobile learning, Webinars, social networks help in enhancing the teaching learning process.
- ❖ Inter-disciplinary, multi-disciplinary and cross disciplinary approaches in research are being encouraged. Incentive scheme for publication has enhanced the quality of papers.
- ❖ The university develops leadership in all the three levels namely personnel, team, institutional.
- ❖ Laboratories have been strengthened to impart quality education.
- ❖ Local language is taught for the students from outside the state and for foreign students.
- ❖ Foreign language centre is offering French, Japanese and German.
- ❖ The university has introduced a few programmes such as 4 year Integrated B.Sc., B.Ed., 3 year courses in B.A., Economics, B.Sc., Aviation, B.A., Music and B.A., Dance.
- ❖ The individual learning, interactive learning, collaborative learning have been practiced and a blended learning coupled with theory, practice, field visits, internships have been put in use. Remedial learning, bridge learning and giving open sources to students are in practice.
- ❖ The Automation is implemented in Admission, Examination, Internal Quality Assurance Cell, Administration, Finance and Accounts, Academic Communication and Library.
- ❖ E. tendering has been introduced
- ❖ ERP system in all branches of administrations including e.purchase.
- ❖ De-centralized system of administration.

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

S.No.	Plan & Actions at the beginning of the year	Action Taken
1.	New AICTE regulations for professional courses from next academic year	The Board of Studies has to meet with Experts and have to come up with new curriculum from 2019.
2	To Plan for more Research projects through Funded agencies	Projects which has been carried out as seed grand has been sent to funding agencies. Projects worth 30 crores has been submitted as an outcome of this exercise
3.	Feedback System for the forthcoming semester	It has been decided to continue Online Feedback system in the forthcoming semester.
4.	To initiate the more research clusters	Artificial Intelligence Lab and few other clusters like IoT have been established.
5.	Common Instrumentation Centre	The Common Instrumentation facility is functioning effectively with equipments worth 4 crores
6.	To bring more Consultancy projects	Our senior faculty members have started to provide consultancy services to Industries

7.3 Give two Best Practices of the institution (please see the format in the NAAC Self-study Manuals)

<ol style="list-style-type: none"> 1. Interaction between VISTAS and Industries 2. Societal contributions through outreach and extension programme
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Details Enclosed : ANNEXURE - II

**Provide the details in annexure (annexure need to be numbered as i, ii,iii)*

7.4 Contribution to environmental awareness / protection

<ul style="list-style-type: none"> • Green audit is regularly conducted. • Submission of student's assignments as soft copies is encouraged. • Awareness Programme on Plastic free Environment was conducted. • Free emission check-up for all the vehicles is organized for students and staff. • Staff monitors unnecessary AC, Fan other electrical appliances used in the unoccupied class rooms and staffrooms.

7.5 Whether environmental audit was conducted? Yes No

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

- Increase in number of Research publications in Scopus Indexed journals during the period under review is our major strength.
- Joining of more number of Ph.D., holders as faculty members and more Ph.D., students seeking admissions in the university can be definitely consider as a major strength.
- Teaching learning process has been strengthened during the period by installing more number of Smart Class room, introducing online resources and by becoming member in National Digital Library.
- The major weakness is the resource constraint the funding agencies are not funding to the research projects as we expect. There is hesitation because of Self-financing nature.
- Getting senior faculty members still continue to be a major challenge.

8.Plans of institution for next year

- International Collaboration – Student exchange, Faculty Exchange, Semester abroad, joint conferences, Counseling and helping student taking study abroad
- NAAC Re-assessment to be applied
- Few Departments to apply for NBA Accreditation
- Publish in good Impact Factor Journals
- More Collaborative Projects
- Improvement in Quality of teaching
- More Funded Projects
- More Patents from our students & faculty
- More industry consulting assignments
- Improving placement record
- Improve communication skills of students
- Faculty empowerment through skill improvement programs
- Scope to start more Centers of Excellence
- Develop entrepreneurship & Business Incubation Centers with the help of Government support and partnerships and greater student involvement in becoming entrepreneurs
- Faculty quality improvement by bringing in faculty with industry exposure



Signature of Co-ordinator – IQAC

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Abbreviations:

CAS	-	Career Advanced Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution
UPE	-	University with Potential Excellence
UPSC	-	Union Public Service Commission



ANNEXURE – II

Best Practices

Best Practice-I

1. Title of the Practice

Interaction between VISTAS and Industries

2. Objectives of the Practice

The objective is to enable the Undergraduate and Postgraduate students of VISTAS employable to the Industries and skilled enough 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 are not imparted to the students by HEI.. Better interaction between Technical institutions and industries is the need of the hour. This will have great bearing on the design & development of curriculum, exposure of industrial atmosphere to engineering students and subsequent placement of young graduating students in industries across the country. Similarly, there is an urgent need to prepare the students for jobs in multinational companies, by exposing them to newer technologies and methodologies.

3. The Context

Challenging issues that needed to be addressed in designing and implementing this practice are listed below:

- Industries do not want to spend their resources for 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**

VISTAS has signed MoU with large number of Industries. For each MoU, a Single Point of Contact(SPoC) is identified and the goals of MoU are realized. The progress of the activities are monitored by IQAC periodically.

Details of Institute Industry Interaction are listed below:

- Students of VISTAS can undertake the final year projects with a joint supervisor from the industry
- Experts from Industry participate in curriculum design which plays a significant role in preparing the students ready for industries
- Establishment of VISTAS-Industry Partnership /interaction Cell.
- Arranging visits of student and staff member to various industries.
- Professional consultancy by the faculty to industries.
- Testing of industrial prototypes by faculty at VISTAS laboratory.
- Collaborative Degree Programmes.
- Industrial problems for research.
- Research oriented employees of Industries pursuing Ph.D. program at VISTAS
- Short-term assignment to faculty members in industries.
- Visiting faculty/professors from industries.
- Professorial Chairs sponsored by industries at the Institute.
- R&D Laboratories sponsored by industries at the Institute.
- Scholarships/fellowships instituted by industries at the Institute for students.
- Collaborative research
- Organizing symposia and workshops with joint participation of faculty and industrial experts

For example interaction is intense with the following industries:

- 1) **IBM**, is a US computer, technology and IT consulting corporation
- 2) **EinNel Technologies** – Research & Development Centre is an engineering solution provider in the field of Automotive, Aerospace, Energy, Oil & Gas, Bioscience and Computer Science.
- 3) **Calibsoft Technologies Pvt. Ltd**, developer of software solutions
- 4) **The National Institute of Ocean Technology (NIOT), Chennai**
- 5) **Par Pharmaceutical**, headquartered in Chestnut Ridge, New York.

- 6) **Areete Life Science Pvt. Ltd.** a renowned manufacturer of ayurvedic products
- 7) **Sun pharmaceutical industries limited**
- 8) **Stannis Institute of Allied Health Sciences**
- 9) **TamilNadu Steel Tubes Ltd**

5. Evidence of Success

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)
- Provide support for curriculum development of courses.
- Training services for the chosen modules through IBM Personnel or designated IBM business partners.
- IBM has installed the following software tools at VISTAS for the students of MBA(Big data Analytics)
 - a) Predictive Analytics
 - b) Cognos insight
 - c) Descriptive Analytics
 - d) Infoshere Big Insight

IBM has also installed Cloud Computing lab at VISTAS for the students of B.Tech(IT)

Typical Results:

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

- a) In collaboration with NIOT ,a project proposal is submitted to DST for underwater profiling of POOMPUGHAR CITY which is believed to have submerged in sea.
- b) 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).

The Management has set up incubation centers with uninterrupted power supply, internet facility and AC facility. The following industries are active at Incubation Center:

- a) ARCOMM Tech Solutions Pvt Ltd
- b) ArannCybertekPvt Ltd
- c) Eezeelyf Devices Pvt Ltd
- d) India BizForSalePvt Ltd

The following products are realized in short time:

- a) Home automation system
- b) Smart energy system
- c) Building power conservator

Problems Encountered and Resources Required

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.

1. BET Surface Area Analyzer,
2. Field Emission Scanning Electron Microscope (FESEM),
3. High Performance Thin Layer Chromatography (HPTLC),
4. X-Ray Diffractometer (XRD)
5. Particle Size and Zeta Potential Analyzer
6. 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 Practice 2

1. Title of the Practice

Societal contributions through outreach and extension programme

2. Objectives of the Practice

To undertake outreach and extension programmes in the locality in and around university for contributing to its improvement in economic, health, education and social conditions of the local people.

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, education upliftment. Some of the programmes are:-

- Eye Donation, Dental, Free Medical, Eye Check up and Blood Donation Camps
- AIDS Malaria / Dengue / Chikungunya awareness programme
- Bio- diversity conservation campaign
- Computer training programme for Tamil Nadu Police
- Rain water harvesting awareness programme
- Awareness programme on Health & Hygiene
- Relief measures for the victims of earthquake and cyclone
- Adoption of Village
- Assistance to socially and economically backward school childrens
- Extending assistance for affected people by Kargil War, Tsunami Disaster and Earth Quake
- Rallies on Breast Cancer Awareness and No Tobacco Rally
- Swachh Bharat Mission

4. The Practice

VISTAS has served in multiple ways under the outreach and extension programmes. With a view to create the awareness VISTAS has adopted many methods such as issuing pamphlets, conducting Walkathon Races, practical demonstrations and involving in the implementation of the programmes as participatory management.

- AIDS Awareness programmes have been conducted seven times including the participation of volunteers from USA and UK.
- VISTAS students and NSS volunteers have participated in Palliative care awareness rally, Anti-tobacco, Breast Cancer Awareness rally, Adult literacy rally, etc.,
- The volunteers of VISTAS are also participated in Malaria, Dengue and Chikungunya, Rain Water Harvesting H1N1, Swine Flu Traffic Regulation Awareness programmes,
- Prime Minister's Swachh Bharat and Swasth Bharat are being regularly implemented by the NSS volunteers and students.

The VISTAS has taken a number of steps to protect the environment

- The volunteers have effectively campaign for the Conservation of Biodiversity, Street cleaning, Temple cleaning, Environment protection awareness campaign with short films and pamphlets, 500 trees have been planted in the vicinity of 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. cleaning the campus has been undertaken under Swachh Bharat Mission.

VISTAS has taken steps for establishing a society which is free from disease.

- Free medical camps, blood donation, Diabetic and Dental camps in co-operation with Kamatchi Hospital, Deepam Hospital and Apollo Hospital have conducted within the vicinity of university.
- On the cap of all these, a Hospital for Palliative Care has been established at Thalambur Campus.

VISTAS is always keen on empowering the women and making them self-sustainable. The International Women's Day is being celebrated every year and those women who have successively in life have been honoured

Every year VISTAS has arranged one day market for Self-Help Group products and a training on Marketing. VISTAS has adopted a number of programmes to build skill among skill-less persons. Free computer literacy programme for rural health, computer training programme for school children and self-defense training programme for women students.

A village by name KOVILAMBAKKAM has been adopted by our NSS volunteers and steps have been taken to initiate all-round development of this village. The programs such as Temple cleaning, creating awareness on Health and education, social barriers have been made through Drama and Dance.

VISTAS has also participated in the re-construction of areas which have been affected by natural calamities. It has contributed to Gujarat Earth Quake relief fund, Kargil Relief fund, Tsunami relief fund, Jammu and Kashmir relief fund, Thane storm relief fund etc.,

5. Evidence of Success

- The success of all these programmes can be visibly felt. The two connectivity road laid down by VISTAS are being used by hundreds of people in and around Pallavaram, which has increased the mobility of the people.
- 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 childrens 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, Chikungunyahad a very good impact in the local area.
- The services rendered by Shri Isari Velan Mission Hospital cannot be expressed in words. The FREE palliative care hospital always aims to add life to their last days and not days to their life. The 150 bedded hospital with adequate doctors and nurses worked round the clock and the average in patients number comes to 30 and out patients number 150. This hospital 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.
- 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.

Mention Best Practices followed by the Institution

- Outcome Based Education
- Alumni Portal in Institute Website
- Parent Corner
- Regular Training and Placement
- Internships during vacation
- Incubation Centre at the Campus
- Advanced Research Labs in Every School
- Common Instrumentation Lab
- Students Mentoring
- ICT Based Teaching Learning
- Travel Grants for International Conferences
- Regular Faculty Development Programmes
- NSS Activity at Near-by Villages
- Students Feedback and Teachers
- Financial Assistance to the Poor and Needy Students
- Increasing Number of MoUs
- Transparency in Evaluating Students' Academic Performance
- Annual External Academic and Administrative Audit
- 24 hrs Electricity and Water Supply
- 24 hrs Availability of Ambulances and Medical Facility
- Use of Renewable Energy
- Green and Plastic Free Campus
- Reformed Teaching- Learning Process (Student Centric Learning, Activity based learning, Project based learning, Industrial Visits)
- ERP at all activities of the Institute
- Wi-Fi Connected Campus
- Coverage of Syllabus in stipulated time
- E-Attendance System
- Choice Based Credit System
- Inclusion of MOOCs
- Fully Equipped Digital Laboratory
- Well Documented Process for Procurement, Faculty and Staff Recruitment
- Strong Industry Institution Interaction
- Placement above 80 %
- Vibrant Incubation Centre
- Generic Medicine available to the Public
- Bank and ATM in the Campus