VELS INSTITUTE OF SCIENCE, TECHNOLOGY & ADVANCED STUDIES (VISTAS)

(Deemed to be University Estd. u/s 3 of the UGC Act, 1956)
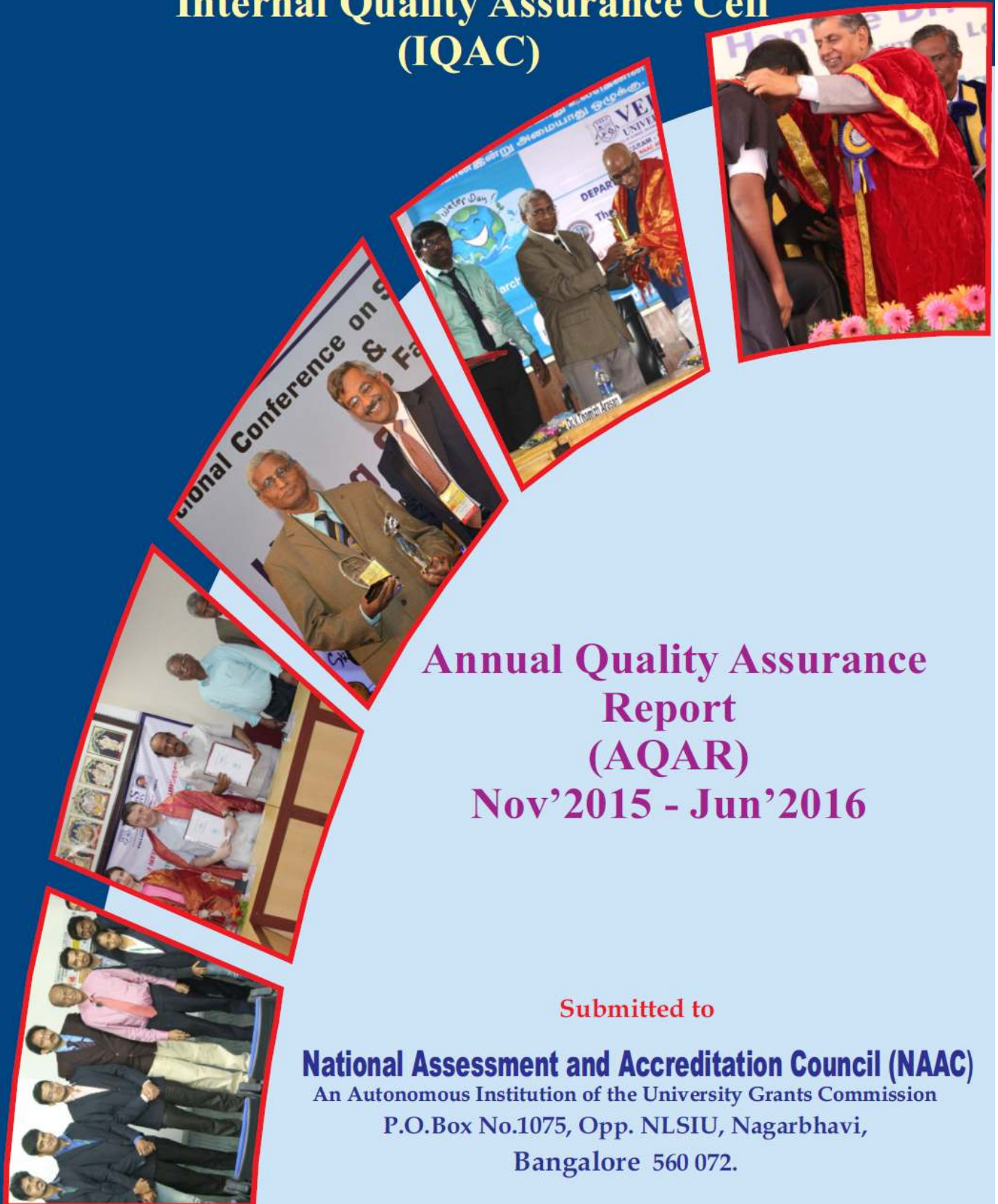
PALLAVARAM - CHENNAI - INDIA

VELS UNIVERSITY

Internal Quality Assurance Cell (IQAC)

Annual Quality Assurance Report (AQAR) Nov'2015 - Jun'2016

Submitted to

National Assessment and Accreditation Council (NAAC)

An Autonomous Institution of the University Grants Commission

P.O.Box No.1075, Opp. NLSIU, Nagarbhavi,

Bangalore 560 072.

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 November 16, 2015 to June 30, 2016.

Part – A

1. 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 : D**r.V.Thamizh Arasan**

Tel. No. with STD Code:

> 044 22662501

Mobile:	9962506344

Name of the IQAC Co-ordinator:	Dr. S. Arun

Mobile:	9962506209

IQAC e-mail address:	director.iqac@velsuniv.ac.in

1.3 **NAAC Track ID** *(For ex. MHCOGN 18879)*   TNUNGN11427

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)

EC/71/A&A/22.1 dated 16.11.2015

1.5 Website address: www.velsuniv.ac.in

Web-link of the AQAR: http://www.velsuniv.ac.in/internal-quality-assurance-cell.asp

1.6 Accreditation Details

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

1.7 Date of Establishment of IQAC :   DD/MM/YYYY   10/08/2009

1.8 AQAR for the year *(for example 2010-11)*   2015-2016

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

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

   i. AQAR _____Nil_____ _____ (DD/MM/YYYY)
  ii. AQAR_____ _Nil_____ _____(DD/MM/YYYY)
 iii. AQAR_____ _Nil____ _____(DD/MM/YYYY)

1.10 Institutional Status

   University   State ☐   Central ☐   Deemed ✓   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 ☐   UGC 2(f) ☐   UGC 12B ☐

                   Grant-in-aid + Self Financing ☐   Totally 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,

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-CE   -

UGC-Special Assistance Programme   -   DST-FIST   -

UGC-Innovative PG programmes   -   Any other (*Specify*)   -

UGC-COP Programmes   -

2. IQAC Composition and Activities

2.1 No. of Teachers   7

2.2 No. of Administrative/Technical staff   3

2.3 No. of students   1

2.4 No. of Management representatives   1

2.5 No. of Alumni   1

2. 6 No. 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

2.10 No. of IQAC meetings held   :   2

2.11 No. of meetings with various stakeholders: No. | 6 | Faculty | 2 |

   Non-Teaching Staff Students | 1 | Alumni | 1 | Others | 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. | 38 | International | 1 | National | 30 | State | 5 | Institution Level | 2 |

   (ii) Themes

   Big-data Analytics, Writing Research articles and research publication, Cyber Crimes, Review on pre-clinical studies, Standardization of Phyto-chemicals, Algorithms, Android Mobile application development, Emerging trends in Computing Science, Business Analytics & Ecommerce.

2.14 Significant Activities and contributions made by IQAC

   All the above said activities relating to improvement in quality are planned, monitor and executed through IQAC. The expenditure is met from the budget of IQAC.

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 *

Plan of Action	Achievements
Remedial class for slow learners	Improvement in Pass percentage
Soft skill developments classes for the II and III year students	Improvement in placement percentage.
Journal paper presentation by the PG students	Research knowledge of the students has been improved
Consultancy services	Research consultancy work has been carried out
Establishing a system for collection of data related to AQAR from the departments.	Established the system for collection data – all the departments are requested to send the monthly data through ERP to the Central cell of IQAC.

   * *Attach the Academic Calendar of the year as Annexure.*   **ANNEXURE - I**

2.15 Whether the AQAR was placed in statutory body   Yes [✓]   No [ ]

Management [ ]   Syndicate [✓]   Any other body | Academic Council |

Provide the details of the action taken

| The Points approved in the Academic Council have been implemented. |

Part – B

Criterion – I

1. 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	22	-	-	-
PG	51	-	-	-
UG	34	-	-	-
PG Diploma	1	-	-	3
Advanced Diploma	-	-	-	-
Diploma	7	-	-	6
Certificate	5	-	-	-
Others	13(M.Phil)	-	-	33
Total	133	-	-	42
Interdisciplinary	16	-	-	-
Innovative	05	-	-	-

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

The university 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-operating schools (for 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.

No revision within the period of report.

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

No new department within the period of report

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
482	365	59	58	-

2.2 No. of permanent faculty with Ph.D.

163

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
92	0	12	0	8	0	0	0	112	0

2.4 No. of Guest and Visiting faculty and Temporary faculty

| 3 | | 18 | | --- |

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	7	77	8
Presented papers	46	71	4
Resource Persons	3	4	0

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 Knowledge Resource Centre, 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.
- Learners–centered activity like participative learning, interactive learning, collaborative 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 NTPEL, Edx, Coursera, Khan Academy, TED etc.,
- 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

| 92 days for the period of report |

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 |

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

| 252 | - | 151 |

2.10 Average percentage of attendance of students

| 83% |

2.11 Course/Programme wise distribution of pass percentage :

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
B.B.A. Degree	91	10.99	51.65	30.77	_	93.41
B.Com. (Accounts And Finance)	171	4.68	54.39	31.58	_	91.23
B.Com.(Computer Application)	62	8.06	53.23	30.65	_	91.94
B.Sc. Nautical Science	20	45.00	45.00	_	_	95.00
B.C.A. Degree	177	13.56	55.37	11.86	_	81.36
B.Sc. Computer Science	150	17.33	35.33	18.00	_	71.33
B.Sc. Biotechnology	53	28.30	66.04	_	_	94.34
B.Sc. Visual Communication	53	18.87	67.92	5.66	_	92.45
B.Sc. Hotel And Catering Management	71	5.63	69.01	8.45	_	83.10
B.Sc Animation	6	66.67	33.33	_	_	100.00
B.Sc. Biochemistry	16	37.50	37.50	_	_	75.00
B.Sc. Microbiology	26	46.15	46.15	_	_	96.15
B.Sc. Biocomputing	27	59.26	18.52	_	_	92.59
B.Pharm	42	28.57	61.90	9.52	_	100.00
B.P.T.	24	_	50.00	16.67	33.33	100.00
B.E. Marine	30	50.00	43.33	_	_	93.33
B.E. Computer Science	96	5.21	52.08	18.75	1.04	77.08

Programme	Admitted					
B.E. Electronics & Communication	65	10.77	64.62	16.92	_	92.31
B.E. Mechanical	170	7.65	71.76	0.59	_	80.00
B.E. Civil	64	9.38	43.75	23.44	_	78.13
B.E. Electrical & Electronics	45	_	48.89	20.00	_	68.89
B.E. Automobile	22	4.55	90.91	_	_	95.45
M.Sc. Bio-Technology	8	50.00	50.00	_	_	100.00
M.Sc. Medical Biotechnology & Clinical Research	5	40.00	60.00	_	_	100.00
M.Sc. Organic Chemistry	8	37.50	50.00	_	_	87.50
M.Sc. Pharmaceutical & Analytical Chemistry	7	14.29	85.71	_	_	100.00
M.Sc. Information Technology	19	26.32	47.37	_	_	73.68
M.Sc. Computer Science	15	33.33	33.33	_	_	86.67
M.Sc. Chemistry	12	33.33	66.67	_	_	100.00
M.Sc. Bioinformatics	1	100.00	_	_	_	100.00
M.Sc. Advanced Biochemistry	4	50.00	25.00	_	_	75.00
M.Sc Hotel And Catering Management	2	50.00	50.00	_	_	100.00
M.Sc. Nano Science	2	100.00	_	_	_	100.00
M.Sc. Immunology And Microbiology	11	45.45	45.45	_	_	90.91
M.Sc. Animation	3	33.33	66.67	_	_	100.00
M.A. English	27	_	62.96	25.93	_	88.89
M.B.A. General	37	35.14	59.46	_	_	94.59
M.B.A. Logistics & Shipping Management	89	6.74	87.64	_	_	94.38
M.B.A. Logistics And Supply Chain Management	54	11.11	74.07	_	_	85.19
M.B.A Advertising And Creative Management	9	55.56	44.44	_	_	100.00

M.C.A. Degree	34	44.12	38.24	_	_	100.00
M.Pharm. Pharmaceutics	2	_	100.00	_	_	100.00
Pharm. D.	25	44.00	52.00	4.00	_	100.00
M.E. Communication Systems	9	77.78	_	_	_	88.89
M.E. Computer Science Engineering	16	43.75	43.75	_	_	87.50
M.E. Computer Integrated Manufacturing	8	87.50	12.50	_	_	100.00
M.E. Power Electronics And Drives	5	80.00	_	_	_	80.00
M.E. Automobile	2	100.00	_	_	_	100.00
M.E. Construction Engineering And Management	8	62.50	12.50	_	_	100.00
MPT	4	_	75.00	25.00	_	100.00

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

- The student feedback system, peer review, academic audit and self-appraisal enabled the university 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, the Curriculum & Syllabi are improved during the subsequent meeting of the BoS. The activities are put under strict compliances of time and quality.

- The university has a credible evaluation system of teachers to foster teachers' quality and promote professional development.

- The university 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.

- 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 the university.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	300
UGC – Faculty Improvement Programme	
HRD programmes	52
Orientation programmes	529
Faculty exchange programme	
Staff training conducted by the university	852
Staff training conducted by other institutions	647
Summer / Winter schools, Workshops, etc.	129
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	203	0	0	170
Technical Staff	56	0	0	-

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 the university 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 the University 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 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 1 Lakh per faculty.

- The University 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.

- The University 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,

- The university 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 (Nov'2015 to June'2016)

	Completed	Ongoing	Sanctioned	Submitted
Number	**5**	**5**	**5**	**36**
Outlay in Rs. Lakhs	**51,73,600**	**88,86,900**	**88,86,900**	**Rs.11.13 crores**

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	7	7	-
Outlay in Rs. Lakhs	-	6,54,800	6,54,800	-

3.4 Details on research publications

	International	National	Others
Peer Review Journals	86	48	-
Non-Peer Review Journals	-	-	-
e-Journals	-	-	-
Conference proceedings	41	44	-

3.5 Details on Impact factor of publications:

Range | 0.167-4.32 | Average | 2.01 | h-index | 5 | Nos. in SCOPUS | 92 |

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	DBT, DST, Dept. of Ayush, TNCST	88,86,900	88,86,900
Minor Projects				
Interdisciplinary Projects	-	-	-	-
Industry sponsored	1 year	Global Pharma Health Care Ltd., Arcomm Tech Solutions, CADDAM Technologies	14,83,600	14,83,600
Projects sponsored by the University/ College	1 year	VISTAS	6,54,800	6,54,800
Students research projects *(other than compulsory by the University)*	-	-	-	-
Any other(Specify)	-	-	-	-
Total			**1,10,25,300**	**1,10,25,300**

3.7 No. of books published   i) With ISBN No. [1]   Chapters in Edited Books [51]

ii) Without ISBN No. [34]

3.8 No. of University Departments receiving funds from

UGC-SAP [ ]   CAS [ ]   DST-FIST [2]

DPE [ ]   DBT Scheme/funds [2]

3.9 For colleges   Autonomy [ ]   CPE [ ]   DBT Star Scheme [ ]

INSPIRE [ ]   CE [ ]   Any Other (specify) [ ]

3.10 Revenue generated through consultancy   [Rs..14,83, 600/-]

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	1	18	15	6	-
Sponsoring agencies	0	0	0	0	0

3.12 No. of faculty served as experts, chairpersons or resource persons [4]

3.13 No. of collaborations   International [2]   National [8]   Any other [Nil]

3.14 No. of linkages created during this year [10]

3.15 Total budget for research for current year in lakhs :

From Funding agency [1,10,25,300] From Management of University/College [**4 Crores**]

Total [**5,10,25,300**]

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	2
	Granted	-
International	Applied	-
	Granted	-
Commercialised	Applied	-
	Granted	-

3.17 No. of research awards/ recognitions   received by faculty and research fellows
Of the institute in the year (6 months)

Total	International	National	State	University	Dist	College
10	-	10	-	-	-	-

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

71

304

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

19

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

JRF [ ]   SRF [ ]   Project Fellows [ ]   Any other   20

3.21 No. of students Participated in NSS events:

University level	400	State level	-
National level	-	International level	-

3.22 No. of students participated in NCC events:

University level	-	State 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 11   College forum -

NCC -   NSS 19   Any other -

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

> The university 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:
  - o Serving public through various awareness camp
  - o Involvement in Government organized health care programmes

- ✓ The University 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 and Occupational Health Impact.

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	29.13 acres	-	University	29.13 acres
Class rooms	306	-	University	306
Laboratories	135	-	University	135
Seminar Halls	4+2	-	University	4+2
No. of important equipments purchased (≥ 1-0 lakh) during the current year.	97	11	University	108
Value of the equipment purchased during the year (Rs. in Lakhs)	9,06,24,701	26,07,353	University	9,32,32,054
Others	-	-	-	-

4.2 Computerization of administration and library

> 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
> Book Loan
> Implementation of Touch Screen Facility for the students to develop the Interactive User Interface.

4.3   Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	87730	24256227	830	245800	88560	24502027
Reference Books	12482	11367774	170	229471	12652	11597245
e-Books	7717	65707	110000	390000	117717	455707
Journals	325	1670259	4	26573	329	1696832
e-Journals	11717	2763269	323	298700	12040	3061969
Digital Database	11		2		13	
CD & Video	4766	177860	36	3850	4802	181710
Others (specify)	-	-	-	-	-	-

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart-ments	Others
Existing	1562	22	205 mbps	-	1	8	38	-
Added	25+155 Laptops	2	-	-	-	-	4	-
Total	1737	24	205 mbps	-	1	8	42	-

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 SPSS software to all research scholars and faculty members
- Advanced training program for computer science 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 on e.learning was conducted
- FDP on Cloud Computing and Big Data analytics was conducted.
- Training on Web tools and e-content for digital learning

4.6 Amount spent on maintenance in lakhs :

i) ICT `70.15`

ii) Campus Infrastructure and facilities `605.55`

iii) Equipments `26.07`

iv) Others `30.26`

Total : **732.03**

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 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 TIME, Digiterati, SMART Training Resources(I) Pvt. Ltd., HCL Career Development Centre, QUSPEC Consulting Pvt. Ltd and Maples ESM Technologies.
- 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 Fee reduction or waiver of tuition fees for the year and/or provision of hostel facility at a concessional rate.
- The Officer of International 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
6570	1131	401	104	116

(b) No. of students outside the state

933

(c) No. of international students

147

Men

No	%
5896	**70.8%**

Women

No	%
2426	**29.2%**

Last Year (2014-2015)						**This Year (2015-2016)**					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
575	318	13	1380	2	2286	883	438	21	1954	1	3296

Demand ratio : 1 : 2.3   **Dropout : 1%**

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.

The Placement and Career Development cell and Library Information Centre provide these assistance.

No. of students beneficiaries

258

5.5 No. of students qualified in these examinations

NET `01`   SET/SLET ☐   GATE ☐   CAT ☐

IAS/IPS etc ☐   State PSC ☐   UPSC ☐   Others `04+03`

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

No. of students benefitted   All Students

5.7 Details of campus placement

On campus			Off Campus
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
85	1727	1175	228

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 honored

- Various awareness programs pertaining to women welfare are organized.

- The university have well-structured sexual harassment 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 from across the school 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   3   National level   5   International level   0

No. of students participated in cultural events

State/ University level   45   National level   79   International level   0

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

Sports : State/ University level   1   National level   2   International level   0

Cultural: State/ University level   8   National level   18   International level   0

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	594	1,50,78,790
Financial support from government	437	36,62,290
Financial support from other sources	-	-
Number of students who received International/ National recognitions	-	-

5.11   Student organised / initiatives

Fairs   : State/ University level   3   National level   -   International level   -

Exhibition: State/ University level   4   National level   -   International level   -

5.12   No. of social initiatives undertaken by the students   26

5.13   Major grievances of students (if any) redressed:

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

- 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

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

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, 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 agencies. The Board has members representing University Grants Commission, Govt. of India, 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.

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.

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 leaning, 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 standout from the crowd and meet the challenges in life confidently. The above process is effectively monitored for quality 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

Research culture is being nurtured in the University departments by novel methodologies like providing "Research Starter Grants" from University budget. The University had taken many initiatives to promote research.

   a) A centre, named, 'Centre for Advanced Research and Development' (CARD) has been established with the aim of promoting research.

   b) 436 Ph.D. scholars are pursuing their Ph.D and 19 scholars have completed their Ph.D. during this period.

   c) The Board of research studies meets regularly to provide guidelines for research.

   d) Around 35 (1 International and 34 National) research projects have been already submitted to various funding agencies and the University has completed 4 major research projects with about Rs.41.93 lakhs and 5 ongoing projects, with about 88.96 lakhs funded by Ministry of Earth Sciences, DST, DBT, DRDO and BHAVINI, Kalpakkam.

   e) 3 new inventions have been made.

   f) 3 patents filed in the area of Pharmacy, Electronics, Mechanical, Aquaculture, Robotics, Herbal etc.,

   g) Industry – Institutional tie-ups have been made to promote research.

   h) 141 highly qualified faculty members with rich research experience have been appointed to promote research.

   i) Faculty members have published 158 research papers in the National and International journals (95 Scopus + 56 Other Indexed journals + 7 Non-indexed journals), besides publishing 5 books and 21 articles in Books with ISBN number during this period.

   j) Access to 11717 online Journals (EBSCO, IEEE/IEL, ASME, ASCE, Inventi, Bentham, Micromedex's Drugdex systems, INSPEC and CYGNUS database and associate member in INFLIBNET are made available in Library to promote research.

The Univeristy departments have organized 40 Seminar / Conferences and workshops. The University has so far signed 8 MoUs with many Universities, Institutions and Industries in India and abroad resulting in teacher and student exchange programmes leading to collaborative research, skill up-gradation and study programmes.

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 101000 Books, 130000, E–Books, 8717 Back Volumes, 3730 Dissertations and 4766 Audio visual Resources at the time of NAAC inspection..   The Library subscribes to more than 329 Periodicals (National & International) and 11896 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. 136 Books, 30,000 E.Books and 651 E.Journals have been added in the stock during the period of review.

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

- Thecandidatesareselectedforappointmentbasedontheirmeritandpassionforthisteaching 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 Institution 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.10 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	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-totaling 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 in case 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.
>
> ✓ All the rooms have instruction boards to switch-off fans, lights, and AC and Computer terminals when not in use.
>
> ✓ An awareness has been created among students and staff on the importance of energy conservation.
>
> ✓ Only LED and CFL fittings are used in important places where continuous lighting is necessary.
>
> ✓ Plastic free campus.
>
> ✓ Emphasize is on paper less governance
>
> **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 8,93,934 units. Three Wind Mills are supplying power to the Tamilnadu Power Grid and withdraws the power from the grid to the university requirements.
>
> ✓ Solar lights are used in the main roads of university.
>
> **Water harvesting**
>
> ✓ The water from the roof of every building of the university is channel in to the ground and sink fits at difference places for recharging ground 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.

Efforts for Carbon neutrality

- ✓ Maintenance of greenery in the campus and plantation of the trees regularly
- ✓ Vehicles are allowed to park only in selected area and not permitted within the campus.
- ✓ 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.
- ✓ Most of the electrical equipments used are energy efficient which will reduce CO_2 emission.

Plantation

- ✓ Adequate measures have been taken to protect the trees in and around the campus.
- ✓ Plantation of trees on birthday's and whenever dignitaries visit the campus.
- ✓ The campus is well maintained with trees and ornamental plants.

Hazardous waste management

Effective measures are taken to reduce Hazardous waste and there are suitable mechanism for minimizing the hazardous waste.

All biological waste are disposed after decontamination.

Waste Management :

- ✓ Food and vegetable waste generated from Hostels and Canteens are removed by the contract people every day and hence its managed without any problem.
- ✓ The garden waste is used for compose, manure preparation.
- ✓ Plastic free campus
- ✓ Paper cups are sold to contractors for recycling.

e-waste management

- ✓ Through green computing, the e.waste is managed in accordance with the guidelines of the Pollution Control Board.
- ✓ The e.waste is again sold back to the contract persons for disposal.

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.

❖ e.learning is practiced through a e.platform.

❖ Local language is taught for the students from outside the state and for foreign students.

❖ SAP Centre has been functioning in this university for the benefit of students.

❖ Foreign language centre is offering French, Japanese and German.

❖ The university has introduced a few integrated programmes such as 5 year Integrated MBA, 4 year B.C.A (Hons.) and 5 year B.A., LL.B (Hons.) (2015-2016). The 5 year integrated programmes has flexibility for the students and it allows the student to discontinue at the end of second year with a certificate, at the end of third year with a degree, at the end of fourth year with a degree and PG Diploma. The student is permitted to re-join in the course and complete the degree within three years of discontinuance.

❖ Automation has been introduced in Administration.

❖ 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

• More than 50 class rooms have been made ICT enabled.

• Local languages are taught to the non-tamil students and is being monitor by IQAC members.

• The IQAC is having monthly review meeting with all the agencies which are implementing the above said policies and advising the periodically to speed up the implementation

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

ANNEXURE - II

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

7.4 Contribution to environmental awareness / protection

- Green audit is regularly conducted.

- Submission of students 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.

- The maintenance department also tracks the costs of equipment repairs in comparison to the original cost of the equipment to determine whether or not it would be more cost effective to replace that piece of equipment with a more environmentally-friendly model.

- To create awareness among the public, our Prime Minister's project ―Swachh Bharat is being implemented and our University students were involved in cleaning the Pallavaram Railway Station, Bus stand and nearby streets to create awareness amongst the public.

- Environmental awareness campaigns are regularly conducted through our NSS students

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. **Plns of institution for next year**

- International Collaboration – Student exchange, Faculty Exchange, Semester abroad, joint conferences, Counseling and helping student taking study abroad

- To offer Four years new B.Sc. Agriculture programme under School of Agriculture.

- NAAC Re-assessment to be applied

- Improvement in the quality of Research papers

- More Collaborative Projects

- More Funded Projects

- Improve the Industry-Institute Linkage

- 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

Name : S.ARUN
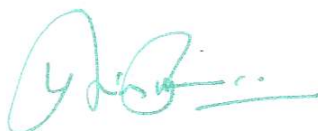
Signature of the Coordinator, IQAC

Seal

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Vels Institute of Science, Technology and
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Name : Dr.V.THAMIZH ARASAN

Signature of the Chairperson, IQAC

Vice Chancellor
VEL'S INSTITUTE OF SCIENCE
TECHNOLOGY & ADVANCED STUDIES
Velan Nagar,
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Annexure I

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

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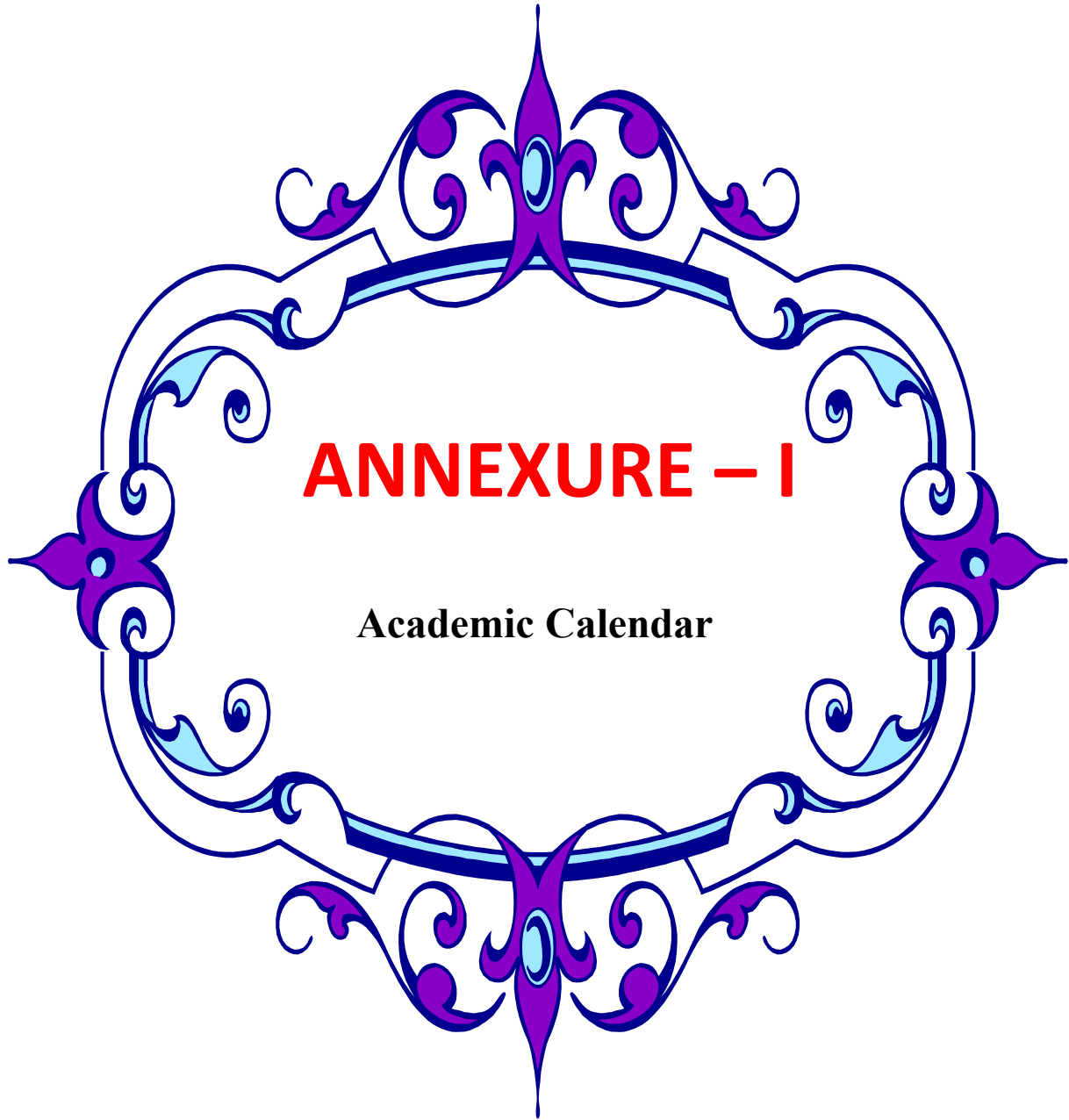
ANNEXURE – I

Academic Calendar

Important Dates -Odd Semester- 2015-16

Tuition Fee

		Last Date for payment of Tuition Fee without penalty	7/15/2015
		Last Date for payment of Tuition Fee with a penalty of Rs.500	7/31/2015
		Last Date for payment of Tuition Fee with a penalty of Rs.1000/-	8/31/2015
		Date of deletion of Tuition fee defaulter's name from Nominal Roll	9/1/2015
	Examination Fee		
		Commencement of collection of Examination Fee	9/9/2015
		Last Date for payment of Examination Fee without penalty	9/26/2015
		Last Date for payment of Examination Fees with a penalty of Rs.100/-	9.10.15
		Last Date for payment of Examination Fees with a penalty of Rs.500/-	10/17/2015
	Revaluation		
		Last date for submitting revaluation application form	7/8/2015
		Declaration of Revaluation Results	7/16/2015
	Supplementary Examination		
		Last date for submitting Supplementary Examination application form	22-7-2015
		Supplementary Examination	27-7-2015
		Declaration of Supplementary Examination Results	8/5/2015
	Continuous Assessment Tests for all courses except I UG/PG courses		

		I-Continuous Assessment Test for all UG/PG courses except I UG/PG degree courses	8/3/2015
		II-Continuous Assessment Test for all UG/PG courses except I UG/PG degree courses	9/3/2015
		III Continuous Assessment Test for all UG Courses II continuous Test for I PG Courses	10/12/2105
	Continuous Assessment Tests for I UG/PG courses		
		I Continuous Assessment Test for I year UG courses	9/2/2015
		II/ I Continuous Assessment Test for all I UG / PG courses	9/22/2015
		III Continuous Assessment Test for all UG Courses II continuous Test for I PG Courses	10/12/2015
	Model Examination		
		Model Examinations	10/28/2015
	SE Examination Nov 2015		
		Commencement of all University Practical Examinations	10/19/2015
		Commencement of University Theory Examination	11/16/2015

June 2015

Date	Day	Activities	No. of Working Days
01	Monday		-
02	Tuesday		-
03	Wednesday		-
04	Thursday		-
05	Friday		-
06	**Saturday**		**-**
07	**Sunday**		-
08	Monday		-
09	Tuesday		-
10	Wednesday		-
11	Thursday		-
12	Friday		-
13	**Saturday**		-
14	**Sunday**		-
15	Monday		-
16	Tuesday		-
17	Wednesday		-
18	Thursday		-
19	Friday		-
20	**Saturday**		-
21	**Sunday**		-
22	Monday		-
23	Tuesday		-
24	Wednesday		-
25	Thursday		-
26	Friday		-
27	**Saturday**	**Publication of Nov 2015 SE Examination Result for all degree courses**	-
28	**Sunday**		-
29	Monday	**University Reopens for all the Teaching staff**	-
30	Tuesday		-

No. of Working Days - 0

July 2015

Date	Day	Activities	No. of Working Days
01	Wednesday	**University Re-opens for students**	1
02	Thursday		2
03	Friday		3
04	**Saturday**		-
05	**Sunday**		-
06	Monday		4
07	Tuesday		5
08	Wednesday	**Last date for submitting revaluation application form**	6
09	Thursday		7
10	Friday		8
11	**Saturday**		-
12	**Sunday**		-
13	Monday		9
14	Tuesday		10
15	Wednesday	**Last date for payment of tuition fees without penalty**	11
16	Thursday	**Declaration of Revaluation Results**	12
17	Friday		13
18	**Saturday**	**Ramzan-Holiday**	-
19	**Sunday**		-
20	Monday		14
21	Tuesday		15
22	Wednesday	**Last date for submitting Supplementary Examination application form**	16
23	Thursday		17
24	Friday		18
25	**Saturday**		-
26	**Sunday**		-
27	Monday	**Supplementary Examination**	19
28	Tuesday		20
29	Wednesday		21
30	Thursday		22
31	Friday	**Last date for payment of tuition fees with a**	23

			penalty of Rs.500	

No. of Working Days -
23

Note: 1) All specified dates are subject to modification due to administrative reasons .

Such changes wil be notified to all concerned, well in advance.

2) School of Maritime studies will work on Saturdays as and when required, to complete

the relevant course.

August 2015

Date	Day	Activities	No. of Working Days
01	Saturday		-
02	Sunday		-
03	Monday	I-Continuous Assessment Test for all UG/PG degree courses except I UG/PG degree courses	24
04	Tuesday		25
05	Wednesday	**Declaration of Supplementary Examination Results**	26
06	Thursday	Commencement of classes for all I year UG courses except I B.E degree courses	27
07	Friday	Commencement of classes for all I year BE degree courses	28
08	Saturday		-
09	Sunday		-
10	Monday		29
11	Tuesday		30
12	Wednesday		31
13	Thursday		32
14	Friday	**Commencement of classes for all I year PG degree courses**	33
15	Saturday	**Independence Day- Holiday**	-
16	Sunday		-
17	Monday		34
18	Tuesday		35
19	Wednesday		36
20	Thursday		37
21	Friday		38
22	Saturday	Working Day for I year	-

23	**Sunday**	B.E., only	-
24	Monday		39
25	Tuesday		40
26	Wednesday		41
27	Thursday		42
28	**Friday**		43
29	**Saturday**		-
30	**Sunday**		-
31	Monday	**Last date for payment of Tuition fee with a penalty of Rs.1000**	44

No. of Working Days - 21

September 2015

Date	Day	Activities	No. of Working Days
01	Tuesday	**Name of the Tuition fees defaulters will be removed from the nominal roll**	45
02	Wednesday	I Continuous Assessment Test for I year UG courses	46
03	Thursday	II Continuous Assessment Test for all UG / PG courses except I UG/PG Courses	47
04	Friday		48
05	**Saturday**	Krishna Jayanthi - Holiday Teachers Day	-
06	**Sunday**		-
07	Monday		49
08	Tuesday		50
09	Wednesday	**Payment of Examination Fees**	51
10	Thursday		52
11	Friday		53
12	**Saturday**	Working Day for I year B.E., only	-
13	**Sunday**		-
14	Monday		54
15	Tuesday		55
16	Wednesday		56
17	**Thursday**	**Vinayakar chathurthi-Holiday**	-

18	Friday		57
19	**Saturday**	Working Day for I year B.E., only	-
20	**Sunday**		-
21	Monday		58
22	Tuesday	II/ I Continuous Assessment Test for all I UG / PG degree courses	59
23	Wednesday		60
24	**Thursday**	**Bakrid -Holiday**	-
25	Friday		61
26	**Saturday**	**Last date for payment of Examination Fees with out penalty Working Day for I year B.E., only**	-
27	**Sunday**		-
28	Monday		62
29	Tuesday		63
30	Wednesday	Half yearly Closing of Accounts for Banks	64

No. of Working Days - 20

October 2015

Date	Day	Activities	No. of Working Days
01	Thursday		65
02	Friday	**Gandhi Jayanthi - Holiday**	-
03	**Saturday**		-
04	**Sunday**		-
05	Monday	By Dr.M.A.Hussain, Special Lecture By Dr.M.A.Hussain , BSMS(siddha), Founder and director, IAS from Department of pharmacy Industrial visit to Syncromax Biotech Private Ltd. Porur, Chennai by Department of Biotechnology medical research center	66
06	Tuesday		67
07	**Wednesday**	**Vels Family day**	68

08	Thursday		69
09	Friday	**Last date for payment of Examination Fees with penalty of Rs. 100.**	70
10	**Saturday**	Working Day for I year B.E., only	-
11	**Sunday**		-
12	Monday	III Continuous Assessment Test for all UG courses II Continuous Test for I PG Courses	71
13	Tuesday		72
14	Wednesday		73
15	Thursday	One Day Animation Workshop by Redox Multimedia from School of Mass Communication	74
16	Friday	One day National Seminar on "Analytical Techniques in Material Chemistry" (ATMC-2015) from School of Basic Sciences Industrial visit to Sheep Breeding Research Centre, Ooty by Department of Biotechnology	75
17	**Saturday**	**Last date for payment of Exam Fees with penalty of Rs. 500.**	-
18	**Sunday**		-
19	Monday	Commencement of all University Practical Examinations	76
20	Tuesday	MoU with CEDICOM Electronics Pvt. Ltd., Kerala by School of Engineering	77
21	**Wednesday**	**Ayutha Pooja- Holiday**	-
22	**Thursday**	**Vijaya Dasami - Holiday**	-
23	**Friday**	**Moharam- Holiday**	-
24	**Saturday**		-

Date	Day	Activities	No. of Working Days
25	**Sunday**		-
26	Monday	Industrial visis to Pasteur Institute, Ooty by Deparment of BioTechnology MoU with Global Pharma Healthcare Pvt. Ltd Kodambakkam, Chennai by Deparment of Chemistry	78
27	Tuesday	Mou with Asthagiri Herbal Research Foundation, Chennai by School of Basic Sciences	79
28	Wednesday	Model Examinations	80
29	Thursday		81
30	Friday	Annual Convocation	82
31	**Saturday**	Working Day for I year B.E., only	-

No. of Working Days - 18

November 2015

Date	Day	Activities	No. of Working Days
01	**Sunday**		-
02	Monday		83
03	Tuesday		84
04	**Wednesday**		85
05	Thursday		86
06	Friday		87
07	**Saturday**	Working Day -Monday Timetable	88
08	**Sunday**		-
09	**Monday**		-
10	Tuesday	**Deepavali -Holiday**	-
11	Wednesday		-
12	Thursday		89
13	Friday		90
14	**Saturday**		-
15	**Sunday**		-
16	Monday	Commencement of University Theory Examination	91

Date	Day	Activities	No. of Working Days
17	Tuesday	**International Students day (Dr.Abdul Kalam's Birthday)**	92
18	Wednesday		93
19	Thursday		94
20	Friday		95
21	**Saturday**		-
22	**Sunday**		-
23	Monday	**Commencement of University Examinations for I year UG / PG degree courses**	96
24	Tuesday		97
25	Wednesday		98
26	Thursday		99
27	Friday		100
28	**Saturday**		101
29	**Sunday**		-
30	Monday	**Last working day**	102

No. of Working Days - 20

December 2015

Date	Day	Activities	No. of Working Days
01	Tuesday	**Semester vacation begins**	-
02	Wednesday		-
03	Thursday		-
04	Friday		-
05	**Saturday**		-
06	**Sunday**		-
07	Monday		-
08	Tuesday		-
09	Wednesday		-
10	Thursday		-
11	Friday		-
12	**Saturday**		-
13	**Sunday**		-
14	Monday		-
15	Tuesday		-
16	Wednesday		-
17	Thursday		-
18	Friday		-

19	Saturday		-
20	Sunday		-
21	Monday		-
22	Tuesday		-
23	Wednesday	Milad-un-Nabi-Holiday	-
24	Thursday		-
25	Friday	Christmas-Holiday	-
26	Saturday		-
27	Sunday		-
28	Monday		-
29	Tuesday		-
30	Wednesday	University Reopens for Even Semester for teaching staff	-
31	Thursday	Declaration of Results for Nov 15 SE Examinations	-

No. of Working Days - 0

Important Dates -Even Semester- 2015-16

Tution Fee

		Last Date for payment of Tuition Fee without penalty	1/18/2016
		Last Date for payment of Tuition Fee with a penalty of Rs.500	2/2/2016
		Last Date for payment of Tuition Fee with a penalty of Rs.1000/-	3/3/2016
		Date of deletion of Tuition fee defaulter's name from Nominal Roll	3/4/2016
	Examination Fee		
		Commencement of collection of Examination Fee	2/15/2016
		Last Date for payment of Examination Fee without penalty	2/27/2016
		Last Date for payment of Examination Fee with a penalty of Rs.100/-	3/11/2016
		Last Date for payment of Examination Fee	3/23/2016

	Revaluation		
		Last date for submitting revaluation application form	1/22/2016
		Declaration of Revaluation Results	2/3/2016
	Continuous Assessment Tests for all courses		
		I-Continuous Assessment Test for all UG/PG degree courses	2/8/2016
		II-Continuous Assessment Test for all UG/PG degree courses	2/29/2016
		III Continuous Assessment Test for all UG Courses	3/28/2016
	Model Examination		
		Model Examinations	4/22/2016
	SE Examination Nov 2015		
		Commencement of all University Practical Examinations	4/11/2016
		Commencement of University Theory Examinations	5/9/2016

January 2016

Date	Day	Activities	No. of Working Days
01	**Friday**	**New Year Day - Holiday**	-
02	**Saturday**		-
03	**Sunday**		-
04	Monday	**University Reopens for Students - Even Semester**	1
05	Tuesday		2
06	Wednesday		3
07	Thursday	Specail Lecture on Human Rights : World Peace - School of Law	4

08	Friday	Faculty development program on "All about time complexity of Algorithms" by Dr.Jeyakesavan, University of Texas, Dallas, USA from School of Engineering	5
09	**Saturday**		-
10	**Sunday**		-
11	Monday	MoU with Sai Clinical Research Institute Chennai by Chemistry Department Unilever conducts a work shop on packed foods - School of Hotel & Catering Management	6
12	Tuesday		7
13	Wednesday	Special lecture on Advertisement and Branding - School of Mangement Studies and comerce	8
14	**Thursday**		9
15	**Friday**	**Pongal -Holiday**	-
16	**Saturday**	**Thiruvalluvar Day - Holiday**	-
17	**Sunday**	**Uzhavar Thirunaal-Holiday**	-
18	Monday	**Last date for payment of Tuition fees without penalty**	10
19	Tuesday		11
20	Wednesday		12
21	Thursday		13
22	Friday	**Last date for submitting revaluation application form**	14
23	**Saturday**	Working Day -Friday timetable	15
24	**Sunday**		-
25	Monday		16

Date	Day	Activities	No. of Working Days
26	**Tuesday**	**Republic Day -Holiday** ECHOES'16 –THE ALUMNI MEET 67th Republic Day ceremonial colours - School of Maritime Studies	-
27	Wednesday		17
28	Thursday	National workshop on Systematic review on preclinical studies - School of Pharmaceutical Sciences	18
29	Friday	Industrial visit to Malladi Drugs & Pharmaceutical Limited (MDPL), Ranipet by Department of Chemistry & Nano-Science	19
30	**Saturday**	Working Day - Tuesday Timetable	20
31	**Sunday**		-

No. of Working Days - 20

February 2016

Date	Day	Activities	No. of Working Days
01	Monday		21
02	Tuesday	**Last date for payment of Tuition fees with penalty of Rs.500/-** **Special lecture on Sampling Technique - School of Management studies and commerce**	22
03	Wednesday	**Declaration of Revaluation Results**	23
04	Thursday		24
05	Friday		25
06	**Saturday**		-

07	**Sunday**		-
08	Monday	I Continuous Assessment Test for all UG / PG courses One Day Seminar on "Android – Mobile Application Development by School of Engineering	26
09	Tuesday	Special Lecture on Pharmacovigilance (Industry Overview) - School of Pharmaceutical Sciences	27
10	Wednesday	Special Lecture on Medical Coding- Anatomy and Physiology of human body - School of Life Science	28
11	Thursday	Entrepreneurship Orientation Programme - School of Engineering	29
12	Friday		30
13	**Saturday**	Special lecture on How to write resume and attend interview - School of Mangement Studies and commerce	-
14	**Sunday**		-
15	Monday	**Payment of Examination Fees**	31
16	Tuesday	Special Lecture on Basics and Application of Mass spectrometry - School of Basic Sciences	32

17	Wednesday	One day Entrepreneurship Orientation program - EOP Program in association with NSIC-TSC (National Small Industries Corporation Ltd) - Govt. of India - School of Management Studies & Commerce Lung Cancer Awareness Programme In Association with ZEE LABS Pvt .Ltd - School of Pharmaceutical Sciences Mou with Central Council for Research in Siddha (CCRS), Ministry of Ayush, Chennai by VELS IPR/CARD	33
18	Thursday	Special lecture on Ocean Freight Management - School of Mangement Studies and commerce	34
19	Friday		35
20	**Saturday**		-
21	**Sunday**		-
22	Monday		36
23	Tuesday	Special Lecture on Big Data in Logistics - School of Mangement Studies and Commerce	37
24	Wednesday	One Day National Workshop on Lessons Learnt from Failures and Sustainability of Structures - School of Engineering Special Lecture on Retail Warehousing & Distribution - School of	38

			Mangement Studies and Commerce	
25	Thursday		One Day Women Empowerment Workshop on University Self-help Group Bazaar - School of Management Studies and commerce Special Lecture on Next Generation in Life Sciences: A Perspective of a Toxicologist - School of Life Science Special Lecture on A Career in the Chemical Sciences is a Right choice for Me- School of Basic Sciences Industrial Visit to Muthu Pharmacy by Department of Pharmacy	39
26	Friday		**Vels Nakshatra - 2016** Special Lecture on Financial Modeling - School of Mangement Studies and Commerce	40

Date	Day	Activities	No. of Working Days
27	**Saturday**	**Working Day - Monday Timetable Last date for payment of Exam Fees without penalty** National Seminar on Big Data Analytics in Biology and Released Blooming Biotech News Bulletin, Vol.11 (22), Feb. 2016 - School of Life Sciences One day Workshop on "Financial plan for young Investors" - School of Management Studies and Commerce Special Lecture on Investment avenues - School of Mangement Studies and Commerce Special lecture on Current opportunities in Formulation Development Research - School of pharmaceutical Sciences	41
28	**Sunday**		-
29	Monday	II Continuous Assessment Test for all UG / PG courses Special Lecture on Challenges in Globalization and Opportunities in Logistics Industry - School of Mangement Studies and Commerce	42

No. of Working Days - 22

March 2016

Date	Day	Activities	No. of Working Days

01	Tuesday	Entrepreneurship Orientation Programme in Association with National Small Industries Corporation Ltd Technical Service Centre (NSIC-TSC), Govt. of India - School of Basic Sciences One Day Workshop on Big-Data Analytics.- School of Engineering Special Lecture on Shipping and Logistics Trade Price -School of Mangement Studies and Commerce	43
02	Wednesday	Seminar on Java by School of Engineering	44
03	Thursday	**Last date for payment of Tuition fees with penalty of Rs.1000/-** National Conference on Applied Spectroscopy in Association with Royal Society of Chemistry (South India) - School of Basic Sciences Special lecture on Recent Trends in Data Mining - School of Computing Sciences	45
04	Friday	**Name of Tuition fee defaulters will be removed from the nominal roll** National Conference on Food as Medicine – A Modern perspective - School of Life sciences One day seminar on "CYBER CRIMES AND CYBER LAWS" by School of Management Studies and Commerce Special Lecture on Resume Writing' - School of Mangement	46

		Studies and Commerce Industrial visit to Super Auto Forge by Department of MBA Industrial visit to Continental Ware House by Department of MBA	
05	**Saturday**		-
06	**Sunday**		-
07	Monday	Special Lecture on Life Skill Management - School of Mangement Studies and Commerce	47
08	Tuesday	International Women's Day Blood Donation camp - School of Management Studies	48
09	Wednesday	Industrial visit to Ennore Port by Department of MBA	49
10	Thursday	Special Lecture on Supply chain Management - School of Mangement Studies and Commerce	50
11	Friday	Last date for payment of Exam Fees with a penalty of Rs. 100. Work shop on packed foods by School of Catering&Management Special Lecture on Role of IT in supply Chain Management - School of Mangement Studies and Commerce Special Lecture on Supply Chain Management - School of Mangement Studies and Commerce MoU with IRMS	51

			Training Solutions Pvt. Ltd,Chennai by Department of computing Sciences	
12	**Saturday**		Industrial visit to Tablets India Pvt Ltd, Chennai by Department of Pharmacy	-
13	**Sunday**			-
14	Monday		Panel Discussion on Union Budget 2016 in Association with Business Standard - school of Management Studies & Commerce.	52
15	Tuesday		Industrial Visit to NTC Logistics by Department of MBA	53
16	Wednesday		Industrial visit to Hatsun Diaries by Deparment of MBA	54
17	Thursday			55
18	Friday		**Sports Day** Muthamizh Vizha 2016	56
19	**Saturday**		One Day National Workshop on Art of Writing Research Articles & Journal Publications - School of computing Sciences	57
20	**Sunday**			-
21	Monday		National Seminar and Workshop on Bioinformatics for Life Sciences- School of Life Sciences	58
22	Tuesday		One Day National Workshop on "Consequences of Urban Sprawl on	59

		Water Resources and Sustainable Watershed Management - School of Engineering	
23	Wednesday	Last date for payment of Exam Fees with penalty of Rs. 500.	60
24	Thursday	Industrial visit to Govt. College of Fine Arts by Department of Visual Communication	61
25	Friday	**Good Friday-Holiday**	-
26	**Saturday**		-
27	**Sunday**		-
28	Monday	III Continuous Assessment Test for all UG courses	62
29	Tuesday	Three days work shop by LIVE LIFE EDUCATION on Live Life -School of Mangagement Studies and Commerce National workshop on 'Recent Trends in Automobile Engineering' for faculties, Research scholars and students Special lecture on Self-Management -School of Mangement Studies and Commerce Workshop on PLC & SCADA by School of Engineering	63
30	Wednesday	Industrial visit to Chennai Port by Department of MBA Workshop on PLC & SCADA - School of Engineering	64
	Thursday		65

Date	Day	Activities	No. of Working Days

| 31 | | MoU with TOMSK Polytechnic University Russia. By VISTAS | |

No. of Working Days - 23

April 2016

Date	Day	Activities	No. of Working Days
01	Friday		66
02	**Saturday**		-
03	**Sunday**		-
04	Monday	Indistrial visit to M/s. Diamond Engineering Pvt. Ltd - Department of Mechanical & Automobile Engineering	67
05	Tuesday	Two Days Workshop on Microbial Quality Assurance in Industries - School of Life sciences National Maritime Day - School of Maritime Studies	68
06	Wednesday	SHIPZERA 2016 - School of Management Studies and Commerce Two Day Film making Seminar on All about making movies - School of Mass Communication Industrial visit to Emerald Engineering company, Chennai - Department of Mechanical & Automobile Engineering	69
07	Thursday	World Health Day Achievers Conclave - School of Management Studies and Commerce	70
08	Friday		71
09	**Saturday**	Special Lecture on Automotive Supply Chain - School of	-

		Management Studies and commerce	
10	**Sunday**		-
11	Monday	Commencement of University Practical Examinations	72
12	**Tuesday**	National level workshop in association with IEEE and FEKO titled "Innovative Antennas for Modern Technologies - School of Engineering	73
13	Wednesday	Special Lecture on Free Bridging session - School of Life Sciences	74
14	Thursday	**Dr.B.R.Ambedkar's Birthday; Tamil New year Day-Holiday**	-
15	Friday		75
16	**Saturday**		-
17	**Sunday**		-
18	Monday	Industrial visit - Hatsum Agro Ltd.,Kancheepuram - Department of BBA	76
19	Tuesday	Mahavir Jayanthi-Holiday	-
20	Wednesday		77
21	Thursday	A National Conference on Emerging Trends in Computer Science and Information Technology"(ETCSIT'16 in association with ICTACT) - School of computer Sciences Industrial Visit to Institute of Vector control Zoonoses, Hosur - Department of BioTechnology	78
22	Friday	Model Examinations	79
23	**Saturday**	Industrial visit to Freedom Fighter-Bhavani Singh Perfumery & Ayurvedics, Yerkaud -	-

Date	Day	Activities	No. of Working Days
		Department of Bioinformatics	
24	**Sunday**		-
25	Monday		80
26	Tuesday		81
27	Wednesday		82
28	Thursday	MoU with Madras Flying Club Ltd.,Chennai by VISTAS	83
29	Friday		84
30	**Saturday**		-

No. of Working Days - 19

May

Date	Day	Activities	No. of Working Days
01	**Sunday**	**May Day-Holiday**	-
02	Monday		85
03	Tuesday		86
04	Wednesday		87
05	Thursday	National Conference	88
06	Friday	on Big-data & Business Analytics in E-Commerce - School of Management Studies and Commerce	89
07	**Saturday**	Working Day Entrance Examination	90
08	**Sunday**		-
09	Monday	Commencement of May 2016 SE University Examinations	91
10	Tuesday		92
11	Wednesday		93
12	Thursday		94
13	Friday		95
14	**Saturday**		96
15	**Sunday**		-
16	Monday		97
17	Tuesday		98
18	Wednesday		99
19	Thursday		100
20	Friday		101

21	**Saturday**		102
22	**Sunday**		-
23	**Monday**		103
24	Tuesday		104
25	Wednesday	Passing Out Parade Ceremony - School of Maritime Studies	105
26	Thursday		106
27	**Friday**		107
28	**Saturday**		108
29	**Sunday**		-
30	Monday		109
31	Tuesday	**Last working day**	110

No. of Working Days - 26

June 2016

Dat e	Day	Activities	No. of Working Days
01	Wednesday	**Summer Vacation begins**	-
02	Thursday		-
03	Friday		-
04	**Saturday**	**World Environmental Day**	-
05	**Sunday**		-
06	Monday		-
07	Tuesday		-
08	Wednesday		-
09	Thursday		-
10	Friday		-
11	**Saturday**		-
12	**Sunday**		-
13	Monday		-
14	Tuesday		-
15	Wednesday		-
16	Thursday		-
17	Friday		-
18	**Saturday**		-
19	**Sunday**		-
20	Monday		-
21	Tuesday		-
22	Wednesday		-
23	Thursday		-
24	Friday		-
25	**Saturday**		-

Date	Day	Activities	No. of Working Days
26	**Sunday**		-
27	Monday		-
28	Tuesday	**Declaration of Results for May 2016 SE University Examinations**	-
29	Wednesday	**University Reopens for Teachers for 2016-17**	-
30	Thursday		-

No. of Working Days - 0

July 2016

Date	Day	Activities	No. of Working Days
01	Friday		-
02	**Saturday**		-
03	**Sunday**		-
04	Monday	**University Re-opens for 2016-17**	1
05	Tuesday	**Ramzan-Holiday**	-
06	Wednesday		2
07	Thursday		3
08	Friday		4
09	**Saturday**		-
10	**Sunday**		-
11	Monday	**Last date for submitting revaluation application form**	5
12	Tuesday		6
13	Wednesday		7
14	Thursday		8
15	Friday		9
16	**Saturday**	**Last date for payment of tution fees For 2016-1 without penalty**	-
17	**Sunday**		-
18	Monday	**Declaration of Revaluation Results**	10
19	Tuesday		11
20	Wednesday		12
21	Thursday		13
22	Friday	**Last date for submitting Supplementary Examination application form**	14

23	**Saturday**		-
24	**Sunday**		-
25	Monday	**Supplementary Examination**	15
26	Tuesday		16
27	Wednesday		17
28	Thursday		18
29	Friday		19
30	Saturday	**Last date for payment of tution fees for 2016-17 with penalty of Rs.500**	-

No. of Working Days - 0
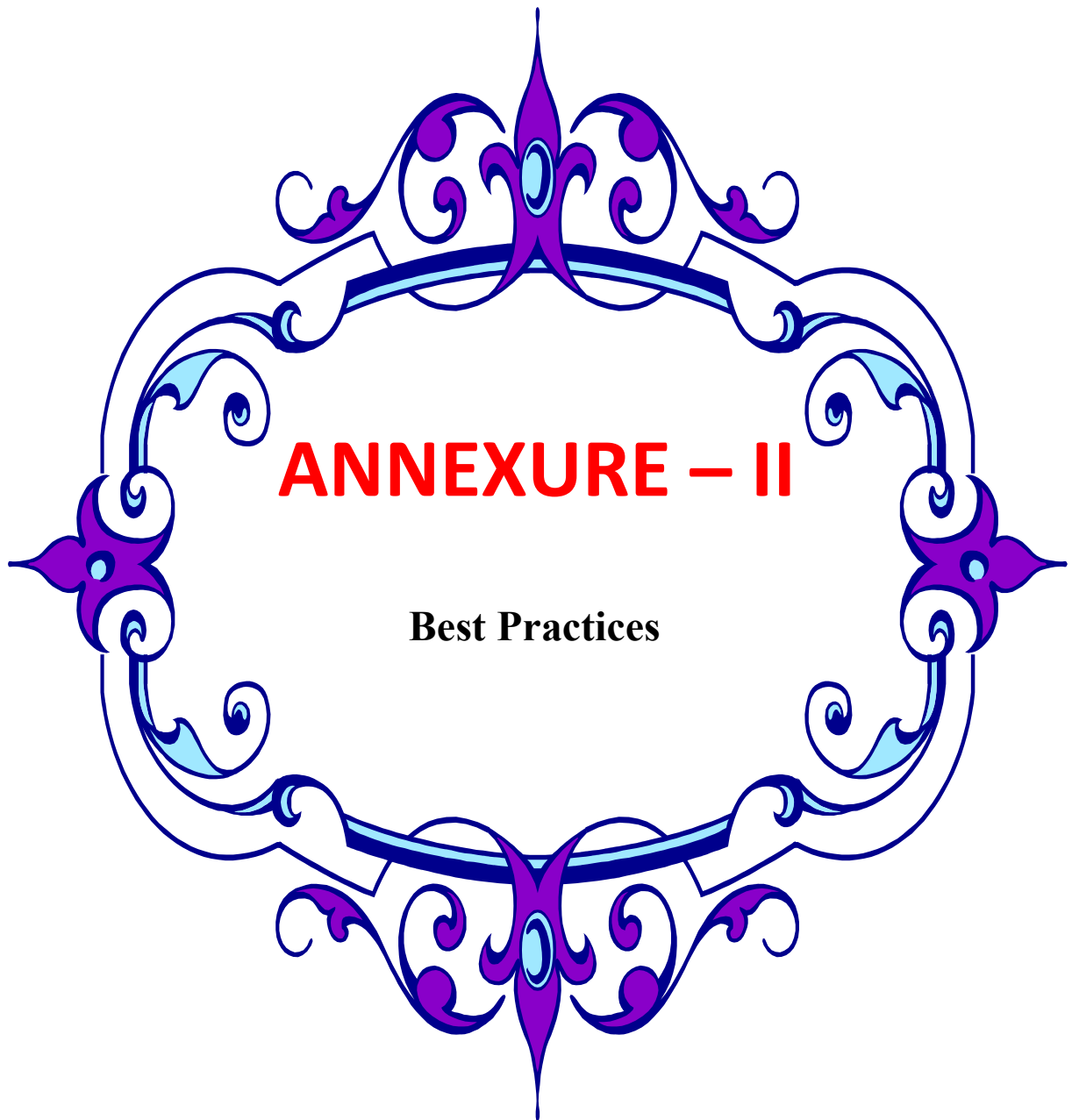
ANNEXURE – II

Best Practices

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

<mark>**Best Practice – 1**</mark>

1. **Title of the Practice**

   Nurturing Research and Innovations

2. **Objectives of the Practice**

   After becoming university our prime focus has been on promoting research and development which can ultimately contribute to the technological development of the country.

   Objectives are

   a) To motivate the faculty members to concentrate on research and publish in original, quality and international journals with high impact factors which are indexed.

   b) To augment interdisciplinary, multi-disciplinary and cross disciplinary approaches apart from collaborative research.

   c) To facilitate the faculty members to write books monographs for publication by National and International publishers.

   d) To strive continuously and encourages the faculty members to undertake projects from funding agencies and there are several PI driven research projects under operation.

   e) To give the benefit of research and development to the society at large.

3. **The Context**

   - This synthesis of teaching and research is the fundamental necessity for any university. The faculty members are encouraged to carry both research and teaching without compromising quality.

   - A Senior Scientist has been appointed as Research Advisor to give a boost for the research.

   - To promote research a specific wing known as Centre for Advanced Research and Development (CARD) has been established and a separate cadre known as "Scientist" have been appointed to do the research on "full-time basis"

   - An uniform credit points have been assigned for every publications depending upon impact factors and corresponding monitory incentives are given to the staff who publishes paper in indexed journal.

- The university also provides starter grant to promote research among young teachers.

- The university has an innovation club in which students are members and research among students is facilitated.

- The Incubation centres with five units are functioning within the campus.

- Staff members have been deputed to the foreign countries to attend seminars and conferences and Scientists and senior faculty members have been invited to this university to have interaction with our faculty, researchers to promote research.

4. The Practice

- A stipend of Rs.7,500/- p.m for full-time research scholars who have been selected by the specified committee is given for a period of three years.Thus 20 such scholarships are made available.

- The teachers are given starter grants upto Rs.1 lakh from the university fund to promote research among the young teachers and university has provided budgetary allocation of Rs.10 lakhs per year.

- Thirty Three staff have attended international seminars and conferences in Foreign countries with either partial / full support from university.

- One Seventy Nine distinguished foreign Scientists / Experts from UK, Japan, USA, Denmark, USA, Nigeria, Australia, Newzeland, Korea, Malaysia and Singapore have visited the University departments for academic interactions.

- For publication, if any money is required for the purpose of writing the articles or publishing the same, each such article is financed to the maximum of Rs.5,000/- as a cost of expenditure involved in preparing and submitting the article.

- At the end of every academic year, the total credit points secured by each teacher in publishing the article are calculated and monetary incentive is being given.

- In case of teachers who want to complete theirPh.D a period of three months leaves with salary is given.

- For the teachers who are doing research within this university fee waiver is given.

- The entire expenditure involved in preparing, printing and submitting the research proposals to the funding agencies are borne by the university.

- The expenditure incurred the filing the patent is also borne by the university.

- A unique Research Centre for Fish Immunology is contributing much to the fishing community.

5. **Evidence of Success**

❖ The research publications have increased considerably and the total publication during 2009-2016 comes to 1812 publications of which 859 are Scopus indexed.

❖ Faculty members have published 1812 research papers in the National and International journals (859 Scopus + 720 Other Indexed journals + 233 Non-indexed journals), besides publishing 58 books and 81 articles in Books with ISBN number during the last seven years.

❖ The University has filed 29 patents, invented 36 new products and Transfer of Technology has been made for 7 products.

❖ The University has signed 143 MoUs with many Universities, Institutions and Industries in India and abroad resulting in teacher and student exchange programmes leading to research, skill up-gradation and knowledge sharing.

❖ Around 148 (5 International and 143 National) research projects have been already submitted to various funding agencies and the University has completed 20 major research projects with about Rs.2.55 crores and 10 ongoing projects, with about 1.82 crores, funded by Ministry of Earth Sciences, DST, AICTE, DIT, DBT, DRDO and BHAVINI, Kalpakkam with a total grant of Rs.4.50 crores

❖ VISTAS has been recognized by Scientific and Industrial Research Organisations (SIROs) by DSIR, Govt. of India.

❖ The University has an authorized IPR Centre created through a Project grant by Ministry of Communications and Information Technology, Govt. of India.

❖ Three On-line journals and one printed journal from VISTAS:

1) International Journal of Frontiers in Science and Technology (IJFST) published by School of Pharmaceutical Sciences.
2) Vels International Journal of Mechanical Engineering published by School of Engineering
3) The Indian Review of World Literature in English – A Bi-Annual online Literary Journal published by School of Languages
4) Vels Management Journal (Half yearly journal) being published by School of Management Studies.

❖ 1,00,212 Books, 325 research journals(print version) EBSCO, IEEE/IEL, ASME, ASCE, Bentham Science, ABI/Inform Global and making online access to over 11,717 research journals to facilitate quality teaching and research. Digital resources from EDX, Khan Academy, NTPEL, TED are also available.

❖ Sixty sevenPh.Ds have been already awarded.

6. Problems Encountered and Resources Required

- The resource constraint is the major problem that prevents the university to embark upon bigger research projects as the funding agencies have provided grants only to a limited extent.

- The trained senior research faculties to guide the young researchers are not available in adequate number especially in Engineering and Management disciplines.

- The additional research equipment required for research purpose has to be met only from local resources.

7. Notes

In spite of all these constraints, the university has made great striates in research and development. The university has already made Seven Transfer of Technologies to the industries and one such innovation has been demonstrated to the Govt. of India on its invitation. Though the University is young one it has demonstrated its robustness by making 36 inventions.

1. **Title of the Practice**

Societal contributions through outreach and extension programmes

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. Outreach programmes are supported by NSS, Rotaract, YRC, Teaching staff and Non-teaching staff. The projects of the students also contribute for the local development.

3. **The Context**

The Indian society is unequal in many terms namely in income, literacy, availability, opportunity of drinking water, sanitary conditions, education, health etc., The society with many such unequal conditions along with caste and religious differences strengthen the unequal standards. Therefore, the marginalized sections of population including women have to be helped in many ways. They need awareness about health, education, availability of govt. concessions, working conditions etc., The University from the date of inception has always stood in the forefront in planning and executing programmes for the social economic, health, education upliftment. The university has also come to the rescue whenever natural calamity hit the people because only the marginalized sections are the worst affected during these time. Some of the outreach programmesare :-

- Eye Donation Camps
- Dental Camps
- Free Medical camp
- Blood donations camps
- AIDS awareness programme
- Science exhibition to School students
- Tree plantation
- Walkathon race for awareness
- Diabetics camp
- Bio-diversity conservation campaign
- Palliative care awareness rally
- Malaria / Dengue / Chikungunya awareness programme
- Eye-check up camps
- Computer training programme for Tamil Nadu Training Police
- Temple cleaning
- Traffic regulation campaign

- Rain water harvesting awareness programme
- Adolescent Diabetes for Women
- Literary programme
- Awareness programme on Health & Hygiene
- Women Empowerment programme
- Relief measures for the victims of earthquake and cyclone
- Flood relief measures
- H1N1 Awareness campus
- SHG – Training programmes for SHG members
- Swine Flu Awareness programme
- Village Development programme
- Adoption of Village
- Adoption of Special homes (Orphanages)
- Job Fairs
- Old age pensions
- Assistance to school children belonging to socially and economically backward
- Local area development schemes
- Free Computer literacy programme for rural youth
- Extending assistance for affected people by Kargil War, Tsunami Disaster and Gujarat Earth Quake
- Conducted rallies on Brest Cancer Awareness and No Tobacco Rally
- Swachh Bharat Mission

4. The Practice

The University has served in multiple ways under the outreach and extension programems. To ensure success of any programme awareness among the people has to be created. People should be made to aware of the pros and cons of the programmes and also the methodology of implementation. 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 during this period including the participation of volunteers from USA and UK.

- The University students and NSS volunteers have participated in Palliative care awareness rally, Anti-tobacco, Breast Cancer Awareness rally, Adult literacy rally, etc.,

- The volunteers of the university are also participated in

- ✓ Malaria, Dengue and Chikungunya awareness programmes,
- ✓ Rain Water Harvesting Awareness programmes,
- ✓ H1N1 Awareness programmes,
- ✓ Swine-flu Awareness programmes,
- ✓ Traffic regulation campaign
- ✓ Voters Awareness programmes etc.,

- Short-films on Cancer and its awareness have been screened in and around Pallavaram.

- Prime Minister's Swachh Bharat and Swasth Bharat are being regularly implemented by the NSS volunteers and students.

This sustainable development and the environment protection have become the cry of the hour. The VISTAS has taken a number of steps to protect the environment to assure sustainable development.

- The volunteers have effectively campaign for theConservation of Biodiversity, Street cleaning, Temple cleaning have been taken frequent dates to maintain cleanliness in the area.

- Environment protection awareness campaign has also been done by the volunteers of VISTAS through short films and pamphlets.

- Planting of trees playa prominent role in maintenance of environment.A minimum of 300 to 500 trees have been planted in the vicinity of VISTAS over the five years.

- Good roads have been provided to the local people at the cost of VISTAS. A Thar road connecting the 100 feet road and Malliga Nagar has been laid down by VISTAS at the cost of Rs12,16,666/-. A Cement road has been laid within Malliga Nagar (adjacent to VISTAS) at the cost of Rs.7,17,400/-. These two steps have definitely improved the environment of the area.

- Two Bus Stops have been established and maintained for the benefit of public.

- The NSS volunteers have made a door to door campaign and made the people to go for Rain Water Harvesting.

- A number of streets cleaning, cleaning the railway station, cleaning the campus has been undertaken under Swachh Bharat Mission.

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

- The Volunteers of VISTAS in association with the Dental College has

conducted three dental camps in and around the university which has benefited to the public and school childrens.

- Free medical camps in co-cooperation with Kamatchi Hospital, Deepam Hospital and Apollo Hospital have conducted three free medical camps within the vicinity of university.

- More than 10 blood donation camps have been organized and blood donations have been made to Lions Club, Redcross Society and Govt. hospitals.

- A register has been created on the blood donors indicating blood groups and whenever a call from the public, the students are sent to the hospitals.

- Two diabetic camps have been conducted at Pallavaram, VISTAS Campus, Kovilambakkam etc., An Adolescent diabetic for women, camp was held for the women.

- The volunteer of VISTAS regularly visits orphanages and to undertake health care and medical needs of the inmates.

- On the cap of all these, a Hospital for Palliative Care has been established at Thalambur Campus. This hospital has 150 bedded facilities, a Pharmacy, medical testing labs and Dialysis centre. Doctors and nurses work the round the clock and this is a FREE hospital to help those who needs this facility. A sum of Rs.10,78,196/- has been so far given to the needy people who wanted to cure some diseases in private hospitals.

- Every month a subsistence allowance is being paid to the Aged, Poor artists through VISTAS and nearly 250 beneficiaries are receiving this benefit.

- The students of VISTAS very often visit the selected centres in and around Pallavaram and Kovilambakkm and educate the children and school drop outs.

- Two Science Exhibitions have been conducted for the benefit of School childrens which helped them to update their knowledge in Science.

- VISTAS has prepared the Question and Answer for the past five years questions in the name of "Sure Success" and has distributed freely 200 schools in Tamil Nadu.

- The Professors of the university very often visit the schools near the campus and handled class for them.

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 on this function in the presence of all women teachers and students.

Every year VISTAS has arranged one day market for Self-Help Group products and a training on Marketing, Finance and new product development where given to the Self-Help Groups. Nearly, 150 self-help groups participated in every such event. Women Health camps have been exclusively held for women on Diabetics and Breast Cancer.

A Training camp to train the women in artificial jewellery making was held at VISTAS between 21.08.2014 and 06.09.2014. Thirty women belonging to Self-help groups participated in this 13 days programme.

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, self-defense training programme for women students, literacy programmes for school drop-outs have been held in the past.

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. A basic survey has been conducted in this village to identify the basic needs of the village population with the help of local authorities and with the assistance of Municipal Chairman and Self-help groups the programmes have been drawn. The programs such as Temple cleaning, creating awareness on Health and education, social barriers have been made through Drama and Dance, Eye camps have been held, school cleaning have been undertaken at frequent intervals, tree plantation have been made in and around the village and a number of assistance have been made to the local population on creating awareness about the Govt. programmes and receiving the benefit from Govt. programmes. The village is under adoption for the past two years.

A specific programme known as Village Mela used to be held every year where the students will organize a Village Santhai (Village market) and students used to sell products ranging from paper, pencil, notebooks to cloth, utensils and glossaries at a price less than MRP on all these days. A number of short-films on consumer awareness, health and hygiene, success of education, moral attitudes were also screened.

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 and has helped them to move for any employment purpose at a faster rate.

The training programme given to the Self-help group has made the participants to become producers of artificial jewellery and has created economic independence.

The marketing facility provided by the VISTAS to the self-help groups has definitely helped them to sell the products. Every such marketing helped them to sell Rs.90,000 to Rs.1,00,000/- worth of their 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 blood donated by our volunteers might have saved a number lives. The awareness created on AIDS, Dengue, Chikungunyahad a very good impact in the local area. The Rain Water Harvesting programme preached and practiced by our volunteers has definitely made on impact on local population and many houses have come with Rain Water Harvesting system.

The services rendered by ShriIsariVelan 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. This hospital takes care of those people who are on their last days affected by Cancer, heart disease, dementia, liver disease, renal disease and debility. 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.

7. **Notes**

All programmes initiated by University in promoting social improvement have started to give its own results. The funding problem still happens to be eluding one. The extension and out-reach programmes of the university have definitely made and an all-round impact on various sections of populations. The success may be appreciated but our pilgrimage will continue.