

AQAR
2017-18

Annual Quality Assurance Report 2017-18



VIGNAN'S

Foundation for Science, Technology & Research

(Deemed to be UNIVERSITY)

-Estd. u/s 3 of UGC Act 1956

TRACK ID : 11434

AISHE ID : U-0043



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)

Part – A

I. Details of the Institution

1.1 Name of the Institution

Vignan's Foundation for Science, Technology and Research

1.2 Address Line 1

Chebrolu Mandal

Address Line 2

Vadlamudi Post

City/Town

Guntur

State

Andhra Pradesh

Pin Code

522 213

Institution e-mail address

director_iqac@vignan.ac.in
info@vignan.ac.in

Contact Nos.

0863-2344700 / 701

Name of the Head of the Institution:

Dr. M. Y. S. Prasad,
Vice-Chancellor

Tel. No. with STD Code:

0863-2344710

Mobile:

9866660530

Name of the IQAC Co-ordinator:

Mobile:

IQAC e-mail address:

1.3 NAAC Track ID (For ex. MHC0GN 18879)

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

1.5 Website address:

Web-link of the AQAR:

For ex. <http://www.ladykeanecollege.edu.in/AQAR2012-13.doc>

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	A	3.02	2015	5 Years
2	2 nd Cycle				
3	3 rd Cycle				
4	4 th Cycle				

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

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

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

- i. AQAR 2015-16 submitted to NAAC on 26/01/2017
- ii. AQAR 2016-17 submitted to NAAC on 13/06/2018

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)

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

YES

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

2.2 No. of Administrative/Technical staff

2.3 No. of students

2.4 No. of Management representatives

2.5 No. of Alumni

2.6 No. of any other stakeholder and
community representatives

2.7 No. of Employers/ Industrialists

2.8 No. of other External Experts

2.9 Total No. of members

2.10 No. of IQAC meetings held

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

Non-Teaching Staff Students Alumni Others

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

If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

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

Total Nos. International National State Institution Level

(ii) Themes

1. Workshop on International Ranking of Institutions
2. Quality on research article for social and industrial need
3. Awareness on NAAC criterions and its metrics
4. Effective usage of ICT facility
5. Faculty Development programs for Programme outcome and Course outcome.

2.14 Significant Activities and contributions made by IQAC

1. Auditing of admission process for adherence to policies and procedures
2. Verification of learning materials with the help of external experts
3. Continuous verification of teaching learning process in all departments
4. Monitoring of conduct and announcement of MID examination results
5. Monthly students' feedback reports for academic performance evaluation
6. Automation of data collection at University level
7. Preparation of Annual Performance Report (APR) for faculty
8. Auditing of question papers and answer papers using external experts

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 *

Parameter	Target	Achieved
Pass Percentage	88%	90.01%
Publications	250	324
Presentations at conferences	250	386
Organization of workshops	11	17
Organization of conferences	03	03
Campus placements	650	760
Organization of co-curricular activities	15	18
Organization of extracurricular activities	18	24
Consultancy projects	35	40
Research projects	05	07
Guest lectures / invited lectures	25	27
National Festivals	08	08
Regulation revisions	01	01
Learning Management Systems (MOODLE)	01	01
International fellowships	05	07
No. of scholarships (fee waivers)	1946	1946
Overseas faculty	02	02
No. of books/chapters published	08	08

** Attach the Academic Calendar of the year as Annexure.*

2.16 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 AQAR for the academic year 2017-18 was placed before the DDH on 11th December 2018. The Chairman of DDH has advised IQAC, Co-ordinator to send the AQAR soft copy to NAAC as soon as possible after uploading it on the institute website i.e. www.vignan.ac.in

Part – B

Criterion – I

I. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	14	-	All	08
PG	11	-	All	47
UG	18	-	All	42
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	-
Others	-	-	-	-
Total	43	-	All	97
Interdisciplinary	-	-	-	-
Innovative	-	-	-	-

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

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	All Programmes
Trimester	--
Annual	--

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.

Yes

- Major revision once in every three years for all UG and PG programmes.
- BS.C, BBA, BCA and B.Pharmacy are started as per the guide lines and approvals from the statutory bodies.
- The curricula of all UG engineering programmes were revised in 2010, 2013 and 2016.
- The curricula of all engineering PG programs were revised in the year 2014, and revised again in the year 2017 and being currently followed.
- The curriculum of all Management Studies of UG and PG program in VFSTR were revised in the year 2017 and being currently followed.
- The curricula of all Computer Applications UG and PG programs in VFSTR were revised in the year 2018, currently being followed.
- Outcome based curriculum.
- 80% of the courses offered in R16 are theory and lab integrated.
- Skill acquisition through activity-based learning.
- Semester Long internship programmes

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

Yes

Research Centers:

- Bio-diesel production and fuel quality testing
- Bio-fortification
- Signal & Image Processing
- DST-FIST Facility, Animal Cell Culture
- Downstream Processing
- E Yantra
- Dr. C. R. Rao Center of Computer Science

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
470	361	55	54	-

2.2 No. of permanent faculty with

152

Ph.D.

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
79	0	13	0	6	0	4	0	98	0

2.4 No. of Guest and Visiting faculty and Temporary faculty

0 8 0

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	192	138	5
Presented papers	139	52	-
Resource Persons	-	-	-

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

- Learning management system (MOODLE)
- Usage of ICT facility in every class room
- Faculty Induction Programme (FIP)
- Faculty recruitment drives at IITs and NITs
- Academic Audit System
- Centers of excellence
- Industrial Internships to Industry through industry visits
- Organization of Project Exhibition
- Miniprojects
- Skill component integrated curriculum structure
- Outcome based education
- Activity based learning
- Focused group discussion
- Games and Simulation
- Choice based credit system
- 315 courses were based on Lab integrated with theory

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

180

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

- Coding
- Double Valuation
- Photocopy
- Online Multiple Choice Questions
- Double Valuation
- Coding & Decoding
- Weekly examinations
- Online multiple choice questions
- Re-totalling
- Revaluation

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

All faculty members were involved in revision process.

2.10 Average percentage of attendance of students

94%

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.Tech	889	58.94 (524)	31.72 (282)	--	--	90.66 (806/889)
M.Tech	68	95.59 (65)	-	--	--	95.59 (65/68)
BBA	53	58.49 (31)	37.74 (20)	--	--	96.23 (51/53)
MBA	112	79.46 (89)	20.54 (23)	--	--	100 (112/112)
MCA	8	100 (8)	-	--	--	100 (8/8)
BCA	21	73.68 (14)	26.32 (5)	--	--	90.48 (19/21)

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

- Guest lecturers in various domains by eminent academicians, Technologists, researchers etc.
- STEM (Science, Technology, Engineering & Management) based training to meet global needs
- Implementation of Project based Learning by faculty in the departments.
- Faculty self-appraisal done at the end of every academic year.
- Incentives to faculty for research, research publications and qualification up gradation.

- To nurture and fortify the skills of the students and faculty all the departments has Departmental Associations.
- Publication of College Magazine VU Today.
- It monitors the faculty to use latest teaching methodologies in the class room.
- It encourages staff members to publish papers in reputed Journals.
- It helps faculty members to write research proposals to UGC, DST, AICTE and ISTE.
- Development of Quality benchmark / parameters for various academic and administrative activities of the institute.
- Organization of workshops, seminars and quality related themes.
- Documentation of various programmes/ activities leading to quality improvement.
- Conducting internal quality, Academic quality audit periodically.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	80
UGC – Faculty Improvement Programme	-
HRD programmes	25
Orientation programmes	128
Faculty exchange programme	-
Staff training conducted by the University	89
Staff training conducted by other institutions	72
Summer / Winter schools, Workshops, etc.	216
Others	80

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	118	-	-	-
Technical Staff	93	-	-	-

Criterion – III

3. Research, Consultancy and Extension

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

- Dean, IQAC is a member of the Board of Management and other administrative bodies of the University with the focus on research related aspects.
- Conducted the following seminars / training / workshops for the benefit of faculty members.
 - Intellectual Property Rights (IPR)
 - Search for online database of Research articles
 - Use of plagiarism software including Turnit-in
 - Technical paper writing, report preparation, project preparation
- Provision of information on various national and international funding agencies, period at which the projects are to be submitted and details about schemes and thrust areas.
- Dean, IQAC Coordinates with two tier research committees to monitor and address the issues related to research as given below:
 - Research Advisory Committee
 - University Research Board

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	6	18	4	22
Outlay in Rs. Lakhs	210.25	611.22	88.64	1800

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	6	2	5	38
Outlay in Rs. Lakhs	17.53	9.3	12	78

3.4 Details on research publications

	International	National	Others
Peer Review Journals	351	-	-
Non-Peer Review Journals	180	125	-
e-Journals	0	0	-
Conference proceedings	190	39	-

3.5 Details on Impact factor of publications:

Range Average h-index Nos. in SCOPUS

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 (Rs. in lakhs)	Received (Rs. In Lakhs)
Major projects	2017-18	DST-SERB	21.63	21.63
	2017-18	ISRO-NRSC	22.85	22.85
	2017-18	DST – ECR	35.06	35.06
	2017-18	DRDO-ER&IPR	9.1	9.1
Minor Projects	2	LES	12	12
Interdisciplinary Projects	-	-	-	-
Industry sponsored	2017-18	51 Client industries	100.3	100.3
Projects sponsored by the University/ College	2017-18	LES	21.3	21.3
Students research projects <i>(other than compulsory by the University)</i>	2017-18	VFSTR	4	4
Any other (Specify)	-	-	-	-
Total	90		226.24	226.24

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

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

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

3.9 For colleges
Autonomy CPE DBT Star Scheme
INSPIRE CE Any Other (specify)

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	06	15	-	21	-
Sponsoring agencies	DST / ISRO / VFSTR		-	-	-

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

3.13 No. of collaborations International National Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs:

From funding agency From Management of University/College

Total

3.16 No. of patents received this year

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

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

Total	International	National	State	University	Dist	College
104	10	84	2	16	0	0

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

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

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

JRF SRF Project Fellows Any other

3.21 No. of students Participated in NSS events:

University level State level
National level International level

3.22 No. of students participated in NCC events:

University level	<input type="text" value="142"/>	State level	<input type="text" value="81"/>
National level	<input type="text" value="-"/>	International level	<input type="text" value="-"/>

3.23 No. of Awards won in NSS:

University level	<input type="text" value="10"/>	State level	<input type="text" value="8"/>
National level	<input type="text" value="-"/>	International level	<input type="text" value="-"/>

3.24 No. of Awards won in NCC:

University level	<input type="text" value="2"/>	State level	<input type="text" value="1"/>
National level	<input type="text" value="-"/>	International level	<input type="text" value="-"/>

3.25 No. of Extension activities organized

University forum	<input type="text" value="6"/>	College forum	<input type="text" value="2"/>		
NCC	<input type="text" value="2"/>	NSS	<input type="text" value="1"/>	Any other	<input type="text" value="-"/>

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

- Swatch Bharat program (Every month)
- Blood Donation camps
- Free Medical Check-up Camps in the campus and adopted villages.
- Digital literacy program for SHG (Self Help Group) members Tenali.
- Providing nutrition food (Snacks and fruits) for 10th class students during the public examination.

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	42.86 Acres	Nil	Nil	42.06 Acres
Class rooms	125	29	VFSTR	154
Laboratories	87	6	VFSTR	93
Seminar Halls	11	-	VFSTR	11
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	183	46	VFSTR	229
Value of the equipment purchased during the year (Rs. in Lakhs)	1231.53 lakhs	209.06 lakhs	VFSTR	1440.59
Others	-	-	-	-

4.2 Computerization of administration and library

Automation of teaching, learning, evaluation, research, staff leaves, staff and student attendance etc. Vignan's Information and Management Systems (VIMS)

Library Automation software is available with the following features:

- 1) Acquisition
- 2) Cataloguing
- 3) Circulation
- 4) Serial control
- 5) Late fine collection
- 6) Online opinion poll
- 7) Order processing
- 8) Usage statistics
- 9) OPAC
- 10) Various report generation facilities

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	56628	15205844.00	2462	1327768.00	59090	16533612.00
Reference Books	10762	7213863.00	258	187400.00	11020	7401263.00
e-Books	232	1276911.00	-	-	232	1276911.00
Journals	246	2037170.00	Renewal in 2018	392343.00	246	2429513.00
e-Journals	3748	20856358.00	Renewal in 2018	5008951.00	3748	25962309.00
Digital Database	2	172088.00	Renewal in 2018	21500.00	2	193588.00
CD & Video	5798	-	212	-	6002	-
Others (specify)	Presentation and consultation rooms, Research scholars cubicles					

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depts.	Systems at others locations	OTHERS		
									LCD Projectors	LCD Projector screens	Smart Boards
Existing	1699	17 (885)	1Gbps	1 (64)	2 (140)	100	307	233	165	65	52
Added	538	0 (519)	0	0 (0)	0 (0)	8	7	4	4	14	0
Total	2237	17 (1374)	1Gbps	1 (64)	2 (140)	108	314	237	169	79	52

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

- a. Internet access provided to all the desktop systems through LAN and Laptops through Wi-Fi.
- b. Cyberoam Firewall Security available to protect from Virus, Malware & Spyware.
- c. Moodle platform (www.vumoodle.org) is available to faculty members & students for sharing knowledge resources, assignments and assessment tests.
- d. List of MOOCs courses information provided for the students to access online learning resources.
- e. National Digital Library (NDL portal www.iitkgp.ac.in) access available to the students.

4.6 Amount spent on maintenance in lakhs :

i) ICT	6,91,650/-
ii) Campus Infrastructure and facilities	3,34,400/-
iii) Equipments	6,87,270/-
iv) Others	3,88,660/-
Total :	21,01,980/-

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

Office of IQAC monitors and receives the reports, suggest corrective actions on all academic and administrative activities:-

- Formation of Students Activities Council (SAC)
- Constitution of various students clubs such as Sports, Music, Cultural, Dance etc.
- Conduct of functions by the students
- Use of social media and news letters
- Conduct of CMC meetings at department level, parent meets, counselling (AEPS) system, slow learner and backlog classes, MOODLE and student portals.
- Counseling and grievance redressal of students
- Anti-Ragging measures to curb the menace of ragging in the campus.
- Orientation to fresher's about students support services like Mentorship Programme, availability of Counselor, remedial class for slow learners etc.
- Collection of feedback from stakeholders.
- Conduct of Parent Teacher Association (PTA) meetings.
- Maintaining gender equity.
- Special consideration on OD of the students towards sports and textension activities.
- Increase on sports facility in terms of infrastructure and augmentation.
- Encouragement to students to publish articles in magazine and newsletters.
- Mentoring of students

5.2 Efforts made by the institution for tracking the progression

- Providing seed money for the best proposal submitted by the students
- Merit scholarship for academic meritorious students.
- Monitoring of Daily attendance Reports – Subject Wise
- Analysis of Mid and Weekly test marks
- Monitoring attendance in counseling sessions
- Analysis of students feedback
- Monitoring slow learners and backlog students performance
- Regular meetings with mentors to asses the progress of students
- Encouraged student's participation in co-curricular and extra-curricular activities.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
1620	324	57	-

(b) No. of students outside the state

145

(c) No. of international students

41

Men	No	%	Women	No	%
	927	55%		754	45%

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
1327	61	11	424	0	1823	1477	64	9	451	-	2001

Demand ratio 1 : 1.03 Dropout % : 0.50%

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

- Special Coaching for GATE, PGECET
- Special Coaching for GRE, TOEFL, CAT, UPSC etc.
- Special Coaching for CRT
- Civil Service Examination

No. of students beneficiaries

2917

5.5 No. of students qualified in these examinations

NET	-	SET/SLET	-	GATE	44	CAT	-
IAS/IPS etc	-	State PSC	-	UPSC	-	Others	718

5.6 Details of student counselling and career guidance

- A faculty counsellor is appointed for every 20 students of department.
- Counselling of students by faculty based on attendance, class performance, Continuous assessment of students using the progression tracking mechanisms mentioned above and counselling base on the same. Career guidance and company specific coaching and counselling based on the students interests and needs.
- Two placement coordinators for every department: one coordinator to take care training programme, one for placements who regularly conduct mock tests and asses the students.
- Continuous monitoring, counselling and basic inputs are given to those students having backlogs to enable them to clear their backlogs.
- The progress of the students in academics, co-curricular and extracurricular activities is guided, counselled and monitored by the faculty counsellors. Faculty counsellors help and support students in all aspects throughout their academic programme. The faculty counsellors counsel the needy students and based on the interest of the students, they guide them in choosing the elective courses, Preparation for competitive examination, planning for higher studies etc.

No. of students benefitted

7699

5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
86	1019	935	215

5.8 Details of gender sensitization programmes

- Gender sensitization awareness programmes conducted by Women Empowerment Protection Cell
- Women's day celebration
- Stress management programs conducted for girls students and women faculty
- A regular Taekwondo training programme (Self defence programme for girls)
- Organized several traditional programmes for festivals to inculcate regional cultural and traditions among girl students
- Frequent Medical check-ups were conducted by Doctors from Multi speciality Hospitals
- Motivational seminars organized by eminent speakers in Andhra Pradesh such as Dr. Yendamuri Veerendranadh, Dr. Pattabhi and Mr. Naga Prasad

5.9 Students Activities

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

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

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

Sports : State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	2528	14,58,88,650/-
Financial support from government	-	-
Financial support from other sources	-	-
Number of students who received International/ National recognitions	-	-

5.11 Student organised / initiatives

Fairs : State/ University level National level International level

Exhibition: State/ University level National level International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed:

1. Mess menu in student hostels
2. Academic work timings
3. Wi-Fi provision in campus

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

VISION:

To evolve into a Centre of Excellence in Science & Technology through creative and innovative practices in teaching – learning, towards promoting academic achievement and research excellence to produce internationally accepted, competitive and world class professionals who are psychologically strong and emotionally balanced, imbued with social consciousness and ethical values.

MISSION:

To provide high quality academic programmes, training activities, research facilities and opportunities supported by continuous industry– institute interaction aimed at promoting employability, entrepreneurship, leadership and research aptitude among students and contribute to the economic and technological development of the region, state and nation.

6.2 Does the Institution has a management Information System

YES - computerized data base – Vignan’s Information and Management System (VIMS)

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

6.3.1 Curriculum Development

- Feedback from the Stake Holders
- Consolidated feedback and faculty inputs are discussed in the Board of studies meeting (BOS includes persons from industry and eminent academicians from reputed organisations like IIT and NIT).
- Recommendations are discussed in Academic council for approval and implementation.
- Finally it will be approved by the Board of management.

6.3.2 Teaching and Learning

- All courses are available in MOODLE
- Usage of ICT learning tools
- Mini projects
- Industry internships

6.3.3 Examination and Evaluation

- Conduct of three MID examinations
- Conduct of weekly tests in all courses
- Publication of results in time
- Double evaluation of answer scripts
- Continuous evaluation

6.3.4 Research and Development

- Encouraging faculty for Ph.D registrations
- Seed money for projects

- Incentives for project investigators
 - Financial support for presenting papers at conferences
 - Procurement of advanced equipment and software
 - Organization of conferences and workshops
- 6.3.5 Library, ICT and physical infrastructure / instrumentation
- ICT facility is provided in all class rooms to enable faculty members for effective delivery of the lectures.
 - E-books from leading publishers are available for access to students
 - Access to E-journals for all students and faculty members.
 - Adequate number of titles and volumes for all programmes
 - Campus wide back bone and network connected to National Knowledge Network (NKN).
- 6.3.6 Human Resource Management
- Well qualified staff
 - Filling up of vacancies without delay
 - Orientation programmes for staff
 - Development programmes for staff
- 6.3.7 Faculty and Staff recruitment
- Campus recruitment at IITs and NITs
 - Advertisement through National dailies and popular websites
 - Filling up of vacancies without delay
 - Orientation programmes for newly recruited staff
- 6.3.8 Industry Interaction / Collaboration
- MoUs with industries
 - Collaborative research with other institutes and industries
 - Organization of conferences and workshops in collaboration with industries
 - Offering consultancy services to industries.
 - Guest lectures, value added programmes, modular courses and training.
 - Internships and projects.
- 6.3.9 Admission of Students
- Students are admitted through nationally conducted V-SAT and V-JET entrance.
 - Preference is given to JEE / EAMCET / GATE / ICET/CAT / MAT ranked students.

6.4 Welfare schemes for

Teaching	Provident fund Insurance Seed money for research QIP Reimbursement of registration fee for professional bodies Registration, TA and DA for attending conferences, workshops Free medical checkups Fee concession for wards
Non teaching	Provident fund Insurance Encouragement to pursue higher qualification Skill development training programmes Free uniforms and related allowances Festival incentives and advances Fee concession for wards

Students	Insurance Fee waiver and scholarships Seed money for research Assistantship for scholars
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6.5 Total corpus fund generated

10,01,01,116/-

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	No		Yes	IQAC
Administrative	No		No	

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?

- Paper setting by external experts of premier institutions
- Regular weekly tests in all courses
- Double evaluation of answer scripts
- Continuous evaluation is implemented

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 interaction with students at least once in a semester
- Awards for academic toppers
- Support for campus recruitments
- Guest lectures
- Internships

6.12 Activities and support from the Parent – Teacher Association

- Scholarships for meritorious students
- Involvement in cultural festivals
- Actively participation during felicitation of placed students
- Participating in large numbers during induction programme for first year students
- Support for student counselling towards maintaining the discipline among students

6.13 Development programmes for support staff

- Sponsorship for higher education
- Sponsorship for off and on campus training programmes on areas such as:
 - Office automation
 - Desk Top Publication (DTP)
 - Sophisticated equipment
 - Safety management and practices

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

- Swatch Vignan
- Paperless office
- Use of solar lighting
- Recycling of waste water
- Vermi composting
- Electric vehicles
- Well maintained greenery
- Treated drinking water
- Ban on plastic usage
- Bio-gas Plant
- Hydroponics garden

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.

Innovative Practices	Impact
Automation software in all divisions / departments	Speedy and smooth implementation of activities
Teacher-guardian system for counselling the students	Students take part enthusiastically in curricular and extra-curricular activities
VFSTRU became a member of IndoUS collaboration for Engineering Education (IUCEE) through which two or three workshops were conducted every year for faculty members during the last four years with resource persons from premier USA universities	It has improved the faculty morale and performance tremendously
Providing seed money to the students and staff to pursue research projects	Institute provided seed money to the faculty and students.
Financial assistance to faculty members to become members of professional bodies such as IEEE, ASME, IETE, ISTE	Faculty members are aware of journals published, national and international conference organized by such bodies.
Student magazine – Voice	Students have honed creative writing skills by composing, editing and design the magazine.
About 90% of classrooms are ICT enabled.	The teachers make best use of facilities such as PPT presentation, videos, animations, Internet information, importance links, etc., to have quality delivery in the class rooms.
There is a unique practice of compulsory six months Internship in industries to pursue the projects for the final year students of all branches	Students have gained enormous practical exposure and confidence to face placement interview resulting in increased placement percentage.
Organizing self development programmes such as Art of Living, Meditation, and Yoga for students and faculty.	Campus has become extremely peaceful with disciplined behaviour of student. Faculty members have become interactive, healthier, stress free and friendly.
The lecture materials, course plan are all provided in the internet well in advance.	Results have considerably improved.
Minor stream in IT, Management of Humanities	To enhance their job potential

- Syllabus was updated / modified by considering the feedback from industry/academic experts which includes skill oriented curriculum.
- MOODLE has been introduced in present academic year.

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

Organized the following activities in the campus:

- Two International Conferences
- One National Conferences
- Fifteen Co-curricular activities
- Eighteen extra-curricular activities
- Twenty three guest lectures
- Fifteen workshops
- Four faculty development programs

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

PRACTICE - I

The university has devised a comprehensive scientific system, 'Academic and Emotional Progression of Students (AEPS)' to monitor regularly and confidentially the academic progress and emotional quotient through trained faculty mentors.

The concept:

- The system involves regular collection of feedback through personal interaction with the students on 'learning difficulties, clearing the backlogs, ambition towards higher education, and career plans etc'.
- It also helps the faculty to monitor the student's emotional progress in terms of personal problems, peer pressures, emotional disturbances, excessive and unreasonable parental demands on student's academic performance, incidents of ragging, personality disorders and deviant behavior.

Outcome

- Identification of distinct academic talent and nurturing at early stages.
- Identification of slow learners/deviant behavior to take up remedial measures.
- Improvement in attendance and discipline.
- Cordial and harmonious relationship with peers.
- Personality development.
- Clearance of backlogs

PRACTICE - II

Tie-up with the Cambridge University for enhancing students' overall personality development especially addressing the need to improve the confidence levels of students drawn from rural background. A MoU signed with the Cambridge University to provide the following:

1. Business English Communication (BEC) course
2. Certification course in English Proficiency

The student profile is carefully assessed on the first week of his/her entry into the university in order to find out his/her level of personality, including levels of English language proficiency. On completion of this assessment, the students are put through 100 hour English proficiency course, designed in consultation with experts from the Cambridge University and the same is conducted by specially trained in-house faculty. The student progression is continuously monitored by the faculty and tested by external experts. Those students who lag behind are counseled and adequate retraining is imparted by the faculty.

Outcome

- Coping up with the regular academic rigour.
- Enhanced levels of student confidence.
- Better performance in campus interviews and national level competitions.
- Championship in Hindu E-Plus
- Most of the students take part in organizing and participating in all the curricular, co-curricular and extra-curricular activities enthusiastically.

7.4 Contribution to environmental awareness / protection

1. Conducted Swacha Bharath programmes in surrounding villages of University.
2. Conducted Swacha Vignan programmes by NSS volunteers in the campus every week.
3. Massive tree plantation (fruit bearing, non fruit bearing and ornamental species)
4. Environmental awareness among the students through guest lectures, nature walks, video shows, discussions and debates, essay contests, posters and hoardings.
5. Naturally ventilated Green House facility for vegetable crops.
6. Setting up of vermi compost pit.
7. Usage of hybrid vehicles was encouraged for local transportation in the campus.
8. Usage of plastics in the campus and hostels minimized.
9. Promoting paperless office.

7.5 Whether environmental audit was conducted? Yes No

A team comprising of: HOD, EEE – Chairman, HoD, Civil and Senior Faculty, BT as members along with other faculty members conducts a survey every year and forwards recommendations to maintain eco friendly campus. Based on the recommendations, following steps are taken:

i) Green campus

- a) 80% of campus ground is filled with lush green grass, excluding playgrounds
- b) Driving powered vehicles is banned to control air and noise pollution on campus

ii) Power

- a) All class room buildings have high roofs with provision of natural light and air. Wide corridors and stairways enable free movement of the students
- b) Solar water heaters are available for hostel buildings and guest house which reduces consumption of power to 1/10
- c) A part of administrative block is solar powered.
- d) A solar battery vehicle is used by campus visitors and handicapped students for shuttling around the campus.

iii) Water

- a) Water consumption is on higher side, but waste water is stored in a separate tank to facilitate percolation, that is recycled for watering plants.
- b) A separate tank for rain water harvesting is maintained.
- c) A 30 acre land of Zilla Parishad adjacent to the campus is taken on lease to harvest water to maintain ground water table.
- d) Despite drought like conditions in the surrounding regions during the current year, the campus has never faced any water scarcity.

iv) Waste disposal:

- a) A strict regulation is in force on campus to avoid use of plastic products.
- b) There is a project to treat the waste generated from hostels on campus and make it into a useful natural fertilizer.

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

Based on the recommendations of the audit committee, following initiatives are taken in last four years to make campus eco friendly:

- i) Massive tree plantation creating beautiful avenues on campus.

- ii) Promoting the spirit of 'Swacch Bharat' on campus through involving the students and the faculty in 'Swacch Vignan' programme.

Energy conservation:

- i) Provision for master switch system is established to all classrooms and buildings to control wastage of power.
- ii) To sensitize the students and the faculty on power consumption, the quantum of electrical energy consumed is published in daily campus chronicle 'VU Today'.
- iii) A maintenance team for the upkeep of campus, building wise.
- iv) Display of 'Save Energy' stickers/posters in prominent places of the campus and the Hostels
- v) Awareness programmes on 'Save Energy' are conducted.
- vi) Energy campaign day is celebrated by NSS unit
- vii) For all new buildings LED lights are used to save power
- viii) 20% of hostel consumption is achieved through solar power
- ix) Pathways/courtyards of eco-friendly facilitating rainwater recharging
- x) The campus is marvel of modern architecture surrounded by green farm lands

Water Conservation:

- i) Enough awareness is created among the hostel students through meetings where the student leaders themselves have addressed not to waste water. With controls of main lines, water supply is controlled during their class hours.
- ii) Usage of automatic taps to the extent of 50% to old; and 100% to new blocks.

With all these measures water consumption is reduced from 1, 00,000 gallons to 70,000 gallons per day.

Waste Material Management:

- i) The institution is successful in minimizing the use of plastic material.
- ii) Waste materials are collected in one place to convert them into vermi compost.
- iii) E-waste materials are disposed regularly through buyback policy with vendors and also in collaboration with AP state pollution control board.

With all these efforts the institution is made an eco-friendly, energy efficient, pollution free green university campus with planting of trees as proposed by modern environmental policy and by Indian traditional value system in tune with our institution slogan 'Global standards with Indian values'.

Some of the initiatives carried out are listed below:

- 10. Massive tree plantation (fruit bearing, non fruit bearing and ornamental species)
- 11. Environmental awareness among the students through guest lectures, nature walks, video shows, discussions and debates, essay contests, posters and hoardings.
- 12. Naturally ventilated Green House facility for vegetable crops.
- 13. Setting up of vermi compost pit.
- 14. Usage of powered vehicles within campus is banned.
- 15. Usage of plastics in the campus and hostels minimized.
- 16. Promoting paperless office.

Energy Conservation:

- 1. The provision of master switch in all the classrooms
- 2. Energy audit is being conducted regularly by a committee under the EEE dept. as a part of energy conservation procedures.
- 3. Dedicated Save Energy campaigns like "Earth Hour Day".

Renewable Energy:

1. Guest house and all hostels utilize solar water heating.
2. Installation of biomass plant using solid waste, including hostel wastage.

Rain Water Harvesting:

1. A pond measuring approximately 12, 25,000 cubic feet constructed to collect and conserve the rain water on campus.
2. Rainwater is harvested and stored in a 15,000 liter capacity tank for use in hydraulics and other laboratories.

Hazardous waste management:

An incinerator is to be installed for effective disposal of hazardous waste generated in the campus.

E-waste management:

1. E-waste is disposed through buyback schemes.
2. Initiatives taken to dispose of e-waste in collaboration with the Andhra Pradesh State Pollution Control Board

8. Plans of institution for next year

- Establishment of an Off-campus at Hyderabad and Vizag
- Three International Conferences
- Four National Conferences / Workshops / Seminars
- International Technical Fest (SRUJANANKURA)
- Operationalization of technical Skill Development Institute (tSDI)
- Construction of Nagarjuna Bhavan for Research Park, centralized lecture halls and research laboratories
- Atal incubation centre
- Construction of new girls hostel
- Inter university research collaboration
- Centres of Excellence in Structural Engineering
- Integrated sports complex
- Establishment of Medicinal Garden

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Abbreviations:

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