AQAR
2016-17

Annual Quality
Assurance Report
2016-17

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

1. 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@vignanuniversity.org
> info@vignanuniversity.org

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:

Dr. M. Ramakrishna

Mobile:

9346993999

IQAC e-mail address:

director_iqac@vignanuniversity.org

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

APUNGN11434

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/11   dated 16-11-2015

1.5 Website address:

www.vignanuniversity.org

Web-link of the AQAR:

http://www.vignanuniversity.org/AQAR2016-17.doc

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	1st Cycle	A	3.02	2015	5 Years
2	2nd Cycle				
3	3rd Cycle				
4	4th Cycle				

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

10-05-2013

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

2016-17

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)*

    i. AQAR 2015-16 submitted to NAAC on 26/01/2017
   ii. AQAR _____ _____ (DD/MM/YYYY)
  iii. AQAR _____ _____ (DD/MM/YYYY)
  iv. AQAR _____ _____ (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)   .

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 | 04 | UGC-CPE | - |

DST Star Scheme | - | UGC-CE | - |

UGC-Special Assistance Programme | - | DST-FIST | YES |

UGC-Innovative PG programmes | - | Any other (*Specify*) | TSDI, Andhra Pradesh State Skill Development Corporation |

UGC-COP Programmes | - |

2. IQAC Composition and Activities

2.1 No. of Teachers | 15 |

2.2 No. of Administrative/Technical staff | 4 |

2.3 No. of students | 4 |

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 | 28 |

2.10 No. of IQAC meetings held | 4 |

2.11 No. of meetings with various stakeholders: No. | 9 | Faculty | 4 |

Non-Teaching Staff | 2 | Students | 2 | Alumni | 1 | 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. | 3-2 | International [ ]   National | 1 | State | 1 | Institution Level | 1 |

(ii) Themes

> 1. Workshop on International Ranking of Institutions
> 2. Quality improvement in Continues Laboratory Assessment

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 2016-17 was placed before the DDH on 7th February 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 website of the University i.e. www.vignanuniversity.org

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	14	-	All	-
PG	11	-	All	3
UG	18	-	All	45
PG Diploma	-	-	All	-
Advanced Diploma	-	-	All	-
Diploma	-	-	All	-
Certificate	-	-	All	2
Others	-	-	-	-
Total	43	-	All	50

Interdisciplinary	10	-	All	-
Innovative	10	-	All	-

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

- A comprehensive curriculum and course content review R16 was made for all B.Tech. programs and implemented with effect from odd semester 2016-17.
- Outcome based curriculum.
- 80% of the courses offered in R16 are theory and lab integrated.
- Skill acquisition through activity-based learning.

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

Yes

Centre of Excellence (3)
1. Advanced Materials, Manufacturing, Processing and Characterization
2 Composite Materials
3 Bio-resource Utilization and Management

Research Centres (10)
1 Centre for Big Data Science and Cloud Computing
2 Centre for Hybrid Vehicle Research
3 Centre for Wireless Sensors Network
4 Centre for DSP & Machine Vision
5 Centre for Machine Tool & Diagnostics
6 Centre for Advanced Mechanical System, Design & Analysis
7 Centre for VLSI Design
8 Centre for Assistive Technologies
9 Centre for Asymmetric Reactions
10 Centre for Thin Films Research

University Scientific Instrumentation Centres. USIC (3)
1 USIC-I
2 USIC-II
3 USIC-III Design Centre

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of
permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
490	411	42	37	-

2.2 No. of permanent faculty with

115

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
85	0	6	0	7	0	1	0	99	0

2.4 No. of Guest and Visiting faculty and Temporary faculty

18		8		-

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	151	79	-
Presented papers	236	150	-
Resource Persons	0	10	-

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

- Learning management system (MOODLE)
- Introduction of Smart Boards
- Usage of ICT facility in every class room
- Academic and Emotional Progression of Students (AEPS) - Student counselling
- Faculty Induction Programme (FIP)
- Faculty recruitment drives at IITs and NITs
- Academic Audit System
- Seed money for research work
- Centers of excellence
- Industrial Internships to Industry through industry visits
- Organization of Project Exhibition
- Outcome based instruction
- Activity based learning
- Focused group discussion
- Live case study

- Flipped classroom
- Role Play
- Video based learning
- Experiential learning
- Games and Simulation

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
- Photocopy
- Revaluation
- Summer semester supplementary examinations

2.9 No. of faculty members involved in curriculum
Restructuring / revision / syllabus development

| All faculty members were involved in framing R16 Regulation |

as member of Board of Study/Faculty/Curriculum Development workshop

2.10 Average percentage of attendance of students

| 91.15 |

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	54.41 (438)	45.59 (368)	--	--	90.66 (806/889)
M.Tech	133	97.61 (123)	2.38 (3)	--	--	94.74 (126/133)
BBM	36	68.57 (24)	31.43 (11)	--	--	97.22 (35/36)
MBA	107	71.84 (74)	28.16 (29)	--	--	96.26 (103/107)
MCA	-	-	-	--	--	-

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

- Development and application of quality benchmarks/parameters for the various academic activities.
- Facilitating the creation of a learner-centric environment conducive for quality education and faculty maturation to adopt the required knowledge and technology for participatory teaching and learning process.
- Arrangement for feedback responses from students, parents and other stakeholders on quality related processes.
- Dissemination of information on the various quality parameters of higher education.
- Organization of inter and intra institutional workshops, seminars on quality related themes and promotion of quality circles.
- Documentation of the various programmes/activities of the University, leading to quality improvement.
- Acting as a nodal agency of the University for Coordinating quality-related Activities, including adoption and dissemination of good practices.
- Development and maintenance of University database through MIS for the purpose of maintaining / enhancing the teaching learning quality.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	5
UGC – Faculty Improvement Programme	-
HRD programmes	12
Orientation programmes	14
Faculty exchange programme	5
Staff training conducted by the University	6
Staff training conducted by other institutions	9
Summer / Winter schools, Workshops, etc.	18
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	130	-	-	-
Technical Staff	79	-	-	-

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.
  o Intellectual Property Rights (IPR)
  o Search for online database of Research articles
  o Use of plagiarism software including Turnit-in
  o 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:
  o Research Advisory Committee
  o University Research Board

3.2   Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	2	12	3	15
Outlay in Rs. Lakhs	61.68	452.02	70.96	1878

3.3   Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	1	5	-	-
Outlay in Rs. Lakhs	2.3	24	-	-

3.4   Details on research publications

	International	National	Others
Peer Review Journals	250	50	-
Non-Peer Review Journals	24	-	-
e-Journals	0	0	-
Conference proceedings	130	52	-

3.5 Details on Impact factor of publications:

Range 0.2-11   Average 2.5   h-index 9   Nos. in SCOPUS 110

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	2016-17	DST - ECR	154.62	154.62
	2016-17	DST-SERB	101.22	101.22
	2016-17	DST-FIST	42.5	42.5
	2016-17	DST-SEED	100.68	100.68
	2016-17	CSIR-ES	9.7	9.7
	2016-17	ISRO-NRSC	22.85	22.85
	2016-17	DRDO-ER&IPR	9.10	9.10
	2016-17	DST-JCBNF	68.0	68.0
Minor Projects				
Interdisciplinary Projects	-	-	-	-
Industry sponsored	2016-17	Core and IT Industries	10.00	10.00
Projects sponsored by the University/ College	2016-17	VFSTR	24.0	24.0
Students research projects *(other than compulsory by the University)*	2016-17	VFSTR	1.50	1.50
Any other (Specify)	-	-	-	-
Total			**544.17**	**544.17**

3.7 No. of books published   i) With ISBN No. [4]   Chapters in Edited Books [5]

ii) Without ISBN No. [-]

3.8 No. of University Departments receiving funds from

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

DPE [-]   DBT Scheme/funds [-]

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

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

3.10 Revenue generated through consultancy [47.62 Lakhs]

3.11 No. of conferences

organized by the Institution

Level	International	National	State	University	College
Number	02	1	-	-	-
Sponsoring agencies	DST	-	-	-	-

3.12 No. of faculty served as experts, chairpersons or resource persons   15

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   508.67   From Management of University/College   125

Total   533.67

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	-
	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

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

3.18 No. of faculty from the Institution who are Ph. D. Guides   96
and students registered under them   30

3.19 No. of Ph.D. awarded by faculty from the Institution   8

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

JRF   06   SRF   -   Project Fellows   03   Any other   -

3.21 No. of students Participated in NSS events:

University level   785   State level   -

National level   -   International level   -

3.22 No. of students participated in NCC events:

University level [150]　State level [76]

National level [-]　International level [-]

3.23 No. of Awards won in NSS:

University level [-]　State level [-]

National level [-]　International level [-]

3.24 No. of Awards won in NCC:

University level [-]　State level [-]

National level [-]　International level [-]

3.25 No. of Extension activities organized

University forum [-]　College forum [-]

NCC [-]　NSS [14]　Any other [-]

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

➢ Awareness programme on opportunities in Higher Education in ZPH School Sangam Jagarlamudi, Chebrolu, Narakoduru, Sekuru and Vejandla.
➢ Swatch Bharat program (Every month)
➢ Blood Donation camps
➢ Free Medical Checkup 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	42.06 Acres	Nil	Nil	42.06 Acres
Class rooms	71	34	VFSTRU	105
Laboratories	72	17	VFSTRU	89
Seminar Halls	5	3	VFSTRU	8
No. of important equipments purchased (≥ 1-0 lakh) during the current year.	150	33	VFSTRU	183
Value of the equipment purchased during the year (Rs. in Lakhs)	756.50 lakhs	475.03 lakhs	VFSTRU	1231.53 lakhs
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	52755	13169490.00	3873	2036354.00	56628	15205844.00
Reference Books	10408	7016823.00	354	197040.00	10762	7213863.00
e-Books	232	1276911.00	-	-	232	1276911.00
Journals	202	1708852.00	Renewal in 2017	328318.00	207	2037170.00
e-Journals	2922	15381957.00	Renewal in 2017	5474401.00	2922	20856358.00
Digital Database	2	147139.00	Renewal in 2017	24949	2	172088.00
CD & Video	5590	-	208	-	5798	-

	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	1452	17	1Gbps	1	0	18	11	308	77	77	53
Added	788	14	-	0	0	01	0	0	58	65	0
Total	2240	31	1Gbps	1	0	18	11	308	135	142	53

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.
f) National Knowledge Network connectivity (NKN) available.

4.6 Amount spent on maintenance in lakhs :

i) ICT

5,70,000/-

ii) Campus Infrastructure and facilities

39,45,000/-

iii) Equipments

6,34,000/-

iv) Others

77,87,000/-

Total :

1,29,36,000/-

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 Counsellor, remedial class for slow learners etc.
- Collection of feedback from stakeholders.
- Conduct of Parent Teacher Association (PTA) meetings.
- Safety and security of girl students.
- Encouragement to students to publish articles in magazine and newsletters.
- Mentoring of students

5.2 Efforts made by the institution for tracking the progression

- 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
1638	185	65	-

(b) No. of students outside the state

164

(c) No. of international students

02

Men

No	%
941	51.26

Women

No	%
882	48.38

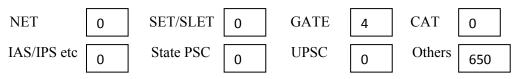| Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
1404	71	11	458	-	1944	1327	61	11	424	-	1823

Demand ratio   1 : 25   Dropout % : 1

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

- Cambridge University - Preliminary English Test (PET)
- Cambridge University - Business English Certificate (BEC)
- Special Coaching for GATE, PGECET
- Special Coaching for GRE, TOEFL, CAT, UPSC etc.
- Special Coaching for CRT

No. of students beneficiaries   2594

5.5 No. of students qualified in these examinations

NET   0   SET/SLET   0   GATE   4   CAT   0

IAS/IPS etc   0   State PSC   0   UPSC   0   Others   650

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   250

5.7 Details of campus placement

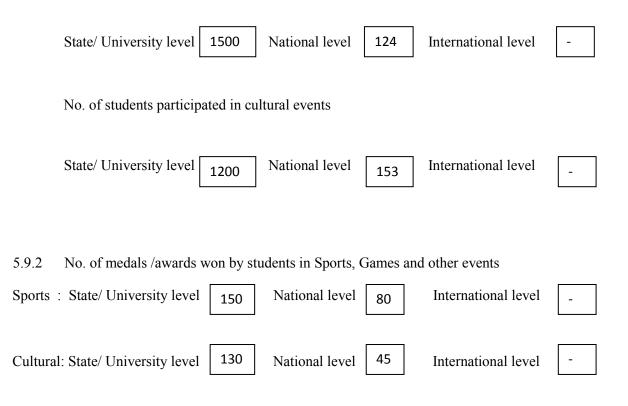| On campus			Off Campus
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
80	1000	760	68

5.8 Details of gender sensitization programmes

- Gender sensitization awareness programmes conducted by Women Empowerment Protection Cell
- Women's day celebration are done by inviting inspiring personalities of the locality.
- 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 checkups were conducted by Doctors from Multi speciality Hospitals
- Motivational seminars organized by eminent speakers in Andhra Pradesh.

5.9 Students Activities

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

State/ University level | 1500 | National level | 124 | International level | -

No. of students participated in cultural events

State/ University level | 1200 | National level | 153 | International level | -

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

Sports : State/ University level | 150 | National level | 80 | International level | -

Cultural: State/ University level | 130 | National level | 45 | International level | -

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	1946	10,16,90325
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 | 24 | National level | 1 | International level | 1 |

Exhibition: State/ University level | 1 | National level | 1 | International level | - |

5.12   No. of social initiatives undertaken by the students | 5 |

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

6.5 Total corpus fund generated

5,01,01,116/-

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
- ➢ 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	Three faculty are given seed money to tune of Rs.5Lakhs and about Rs.20 lakhs given to 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

Name: ***Dr. M. Ramakrishna***   *Name:* ***Dr. M. Y. S. Prasad***
Coordinator, IQAC   *Chairperson, IQAC*

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Abbreviations:

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

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