





## Yearly Status Report - 2018-2019

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>	VIGNAN'S FOUNDATION FOR SCIENCE TECHNOLOGY AND RESEARCH
Name of the head of the Institution	Dr. M.Y.S. Prasad
Designation	Vice Chancellor
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	08632344710
Mobile no.	9490143060
Registered Email	vc@vignan.ac.in
Alternate Email	registrar@vignan.ac.in
Address	Chebrolu Mandal, Guntur District
City/Town	Vadlamudi
State/UT	Andhra Pradesh
Pincode	522213

<b>2. Institutional Status</b>	
University	Deemed
Type of Institution	Co-education
Location	Rural
Financial Status	private
Name of the IQAC co-ordinator/Director	Dr. M. Ramakrishna
Phone no/Alternate Phone no.	08632347706
Mobile no.	9346993999
Registered Email	director_iqac@vignanuniversity.org
Alternate Email	dean_iqac@vignan.ac.in

<b>3. Website Address</b>	
Web-link of the AQAR: (Previous Academic Year)	<a href="https://www.vignan.ac.in/naac/AOAR%202017-18.pdf">https://www.vignan.ac.in/naac/AOAR%202017-18.pdf</a>
<b>4. Whether Academic Calendar prepared during the year</b>	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="https://www.vignan.ac.in/accalender.php">https://www.vignan.ac.in/accalender.php</a>

**5. Accrediation Details**

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	A	3.02	2015	16-Nov-2015	15-Nov-2020

<b>6. Date of Establishment of IQAC</b>	10-May-2013
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**7. Internal Quality Assurance System**

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Awareness on Revised	24-Jul-2018	445

Framework of NAAC	4	
Faculty Orientation Programme	05-Jun-2019 9	72
<a href="#">View File</a>		

**8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.**

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Dr. K. Mercy Rosalina	EMEQ	DST	2018 1092	3500000
Dr. B. Sita Ramanjeneyulu	ICPS	DST	2018 1092	3500000
Dr.K.Vidhu	CRG	DST	2018 1092	2289000
Dr. D. Naga Raju	NCSTC	DST	2018 30	666000
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**9. Whether composition of IQAC as per latest NAAC guidelines:**

Yes

Upload latest notification of formation of IQAC

[View File](#)

**10. Number of IQAC meetings held during the year :**

2

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

[View File](#)

**11. Whether IQAC received funding from any of the funding agency to support its activities during the year?**

No

**12. Significant contributions made by IQAC during the current year(maximum five bullets)**

Promoting quality research Monitoring Committee to monitor Academics and Research Workshop on Outcome Based Education Seminar on Revised Framework of NAAC Faculty Development programme by NITTTR

[View File](#)

**13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality**

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

Plan of Action	Achievements/Outcomes
Awareness programme on RAF - NAAC	Four days program was organized by IQAC office for all the departments
Encourage faculty on filing patents and Publish papers in reputed journals	No. of publications and patents improved due to upgradation and establishment of research facilities and with a provision of incentives.
No Files Uploaded !!!	

14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Board of Management	09-Sep-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?

No

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2019

Date of Submission

23-Mar-2019

17. Does the Institution have Management Information System ?

Yes

If yes, give a brief description and a list of modules currently operational (maximum 500 words)

Yes, Vignan's Foundation for Science, Technology and Research has Management Information System with different modules supporting various activities such as, ? Academic administration ? Student Portal ? Admissions Package ? Transport Information System ? Library Information System ? Finance Module ? Hostel Information System Mess Management System ? Examcell Registration Module ? Exam cell Results Analysis Module ? VU Moodle ? VIMS portal ? Administration information

Part B

**CRITERION I – CURRICULAR ASPECTS**

**1.1 – Curriculum Design and Development**

### 1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BTech	A01	Biotechnology	29/04/2019
BTech	A02	Chemical Engineering	29/04/2019
BTech	A03	Civil Engineering	29/04/2019
BTech	A04	Computer Science and engineering	29/04/2019
BTech	A05	Electronica and communication Engineering	29/04/2019
BTech	A06	Electrical and Electronica Engineering	29/04/2019
BTech	A07	Information Technology	29/04/2019
BTech	A08	Mechanical Engineering	29/04/2019
BTech	A10	Automobile Engineering	29/04/2019
BTech	A11	Textile Technology	29/04/2019

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### 1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BPharm	B. Pharmacy	16/03/2018	18BP001-Human Anatomy and Physiology I	01/08/2018

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## 1.2 – Academic Flexibility

### 1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BPharm	Bachelor of Pharmacy	16/03/2018

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### 1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the University level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
Mtech	Structural Engineering	07/08/2018
Mtech	Farm Machinery	07/08/2018
MBA	Master of Business Administration	06/08/2018

MCA	Master of Computer Applications	05/07/2018
PhD or DPhil	Biotechnology	12/11/2018
PhD or DPhil	Chemical Engineering	12/11/2018
PhD or DPhil	Civil Engineering	12/11/2018
PhD or DPhil	Computer Science and Engineering	12/11/2018
PhD or DPhil	Electronics and Communication Engineering	12/11/2018
PhD or DPhil	Electrical and Electronics Engineering	12/11/2018
PhD or DPhil	Mechanical Engineering	12/11/2018
PhD or DPhil	Management Studies	12/11/2018
PhD or DPhil	Agriculture Engineering	12/11/2018
PhD or DPhil	Physics	12/11/2018
PhD or DPhil	Chemistry	12/11/2018
PhD or DPhil	Mathematics	12/11/2018
PhD or DPhil	English	12/11/2018
PhD or DPhil	Computer Applications	12/11/2018
BCA	Bachelor of Computer Applications	05/07/2018
BBA	Bachelor of Business Administration	05/07/2018
BSc	Statistics, Mathematics, Computer Science	05/07/2018
BPharm	Bachelor of Pharmacy	01/08/2018
BTech	Biotechnology	05/07/2018
BTech	Chemical Engineering	05/07/2018
BTech	Civil Engineering	05/07/2018
BTech	Computer Science and Engineering	05/07/2018
BTech	Electronics and Communication Engineering	05/07/2018
BTech	Electrical and Electronics Engineering	05/07/2018
BTech	Information Technology	05/07/2018
BTech	Mechanical Engineering	05/07/2018
BTech	Automobile Engineering	05/07/2018
BTech	Textile Technology	05/07/2018
BTech	Agriculture Engineering	05/07/2018
BTech	Bioinformatics	05/07/2018
BTech	Food Technology	05/07/2018
BTech	Biomedical Engineering	05/07/2018

BTech	Petroleum Engineering	05/07/2018
Mtech	Biotechnology	07/08/2018
Mtech	Computer Science and Engineering	07/08/2018
Mtech	Embedded Systems	07/08/2018
Mtech	Machine Design	07/08/2018
Mtech	Power Electronics and Drives	07/08/2018
Mtech	Very Large Scale Integration(VLSI)	07/08/2018
Mtech	Food Processing Technology	07/08/2018

### 1.3 – Curriculum Enrichment

#### 1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Hands on Experience in CNC machining	06/09/2018	26
<a href="#">View File</a>		

#### 1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	Agriculture Engineering	156
BTech	Biotechnology	495
BTech	Chemical Engineering	78
BTech	Electrical and Electronics Engineering	132
BTech	Mechanical Engineering	273
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### 1.4 – Feedback System

#### 1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

#### 1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained
The institution has established a structured feedback system to collect feedback from various stakeholders include students, alumni, Faculty, Parents, and Employers on Course Content Design and Delivery. Online feedback submission link is available at <a href="https://vignan.ac.in/stake/">https://vignan.ac.in/stake/</a> The obtained feedback is analyzed at regular intervals and discussed in-depth and placed before Board of



Studies (BoS) for further recommendations and sent to Academic Council for approval. VFSTR has adopted an online feedback system wherein students will post feedback once in a year on the diversified view of course contents and its deliverables. Likewise, feedback is being collected from the Companies which are offering Jobs, Internships and projects to the students. Feedback is also collected from Faculty to analyze the curriculum gaps, if any. VFSTR frequently organizes the Alumni Meets and during those interactions, alumni are encouraged to post feedback to understand whether the curriculum is in tune with industry needs. Based on the feedback received from various stakeholders we have introduced Project Based Learning Approach in R19 B.Tech Curriculum. As a part of this curriculum, students perform wide array of projects including Intra-disciplinary projects, Inter-departmental projects and Societal centric and industry related projects. Other salient features of the curriculum are introduction of credits for Physical fitness, Sports Games, Technical Seminars, Credits for MOOCs, etc. For R18 BCA Curriculum, mini projects, elective streams etc were introduced based on the obtained feedback. In R18 MCA Curriculum, amalgamation of laboratory courses with theoretical sessions, Credits for MOOCs Courses, etc were introduced based on the obtained feedback. Robotics courses in a stream are offered as Open Electives for B.Tech Students based on the feedback. Employability and Life Skill Courses are offered to Pharmacy Students in the similar lines. Exit feedback is collected from students during the time of graduation and their inputs are being utilized to assess their satisfaction in various parameters such as curricular aspects, Teaching-Learning, Examination system, Infrastructure facilities, etc.

## CRITERION II – TEACHING- LEARNING AND EVALUATION

### 2.1 – Student Enrolment and Profile

#### 2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BTech	Biotechnology	180	4007	147
BTech	Computer Science & Engineering	540	13771	452
BTech	Electronics and Communications Engineering	420	7121	238
BTech	Information Technology	120	3080	89
BTech	Food Technology	120	3055	112
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### 2.2 – Catering to Student Diversity

#### 2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	6270	539	418	45	38

### 2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
501	501	15	118	56	23
<a href="#">View File of ICT Tools and resources</a>					
<a href="#">View File of E-resources and techniques used</a>					

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Student Counselling: VFSTR has got well established practice of student counselling right from its inception. Every faculty is allotted with 15-20 students to counsel. The counselling of students is essential because of the following reasons: • The higher education (engineering/management) atmosphere is different from what they experienced till their entry in to the university. • Some students may have family related problems nagging on their minds, especially their parents' background being rural and of low income. • Some students may have cultural related problems due to the outside environment being too much oriented on consumption and competition. • A very small percentage of students may have special problems like betting, drugs usage, alcoholism etc. • Some disciplinary issues may crop up among the students which may need proper advice to resolve. The faculty interacts very closely with students typically 1-2 hours a week and try to understand the students and their background fully. They counsel the students through the following methods: 1. Counselling sessions once in a week, where each student is addressed individually. 2. Special academic assistance to clear the backlogs. 3. Attaching some of the senior students who are advanced learners as peers to advice the students during off-class hours. 4. Referring to University Disciplinary committee (UDC) to avoid group level incompatibilities. 5. Referring to University psychologist to handle and treat some special cases of chronic depression, chronic stubborn cases etc. The counselling activity goes on regularly as one of the important activities of each faculty. It is counted with good weightage for their career progression. The effectiveness of counselling activity in the institute can be seen from the fact that not a single untoward incident happened in the institute in the last five years, the drop out percentage is very low, and the extreme steps by students individually (like suicide) have never happened in the institute so far. This level of harmony and tolerance among students is definitely due to counselling activity which is effectively carried out by all the faculty members.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
6809	461	1:14

**2.4 – Teacher Profile and Quality**

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
501	501	0	97	168

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year )

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Dr S Rex Jeya Rajkumar	Assistant Professor	Young Scientist Award Bharathi Mufram Foundation Aronthang
2018	Dr. M. Ramanjaneyulu	Assistant Professor	Young Scientist Award Andhra

			Pradesh 2019 Akademi of Sciences
2019	Dr.N.Satya Vijaya Kumar	Assistant Professor	Young Scientist Award Andhra Pradesh Akademi of Sciences
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## 2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BTech	A01	2-1 SEM	30/11/2018	08/12/2018
BTech	A04	1-1 SEM	01/12/2018	08/12/2018
Mtech	B09	1-1 SEM	31/12/2018	10/01/2019
MBA	C01	2-1 SEM	01/02/2019	09/02/2019
BCA	J01	2-2 SEM	14/05/2019	24/05/2019
BSc	M01	1-2 SEM	20/05/2019	01/06/2019
BPharm	N01	1-2 SEM	17/05/2019	24/05/2019
<a href="#">View File</a>				

2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
340	13069	2.60

## 2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<https://vignan.ac.in/outcomes.php>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
A01	BTech	Biotechnology	104	99	95.19
A04	BTech	Computer Science & Engineering	322	304	94.41
A15	BTech	Food Technology	84	76	90.48
B04	Mtech	Computer Science &	15	15	100.00

		Engineering			
B21	Mtech	Farm Machinery	6	6	100.00
<a href="#">View File</a>					

## 2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<https://vignan.ac.in/pdf/Teaching%20learning%20student%20survey.pdf>

## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 – Promotion of Research and Facilities

3.1.1 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
International	Dr V Srinivasadesikan	Visiting Research Fellowship	01/05/2019	Ministry of Science and Technology Taiwan
<a href="#">View File</a>				

3.1.2 – Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other fellows in the Institution enrolled during the year

Name of Research fellowship	Duration of the fellowship	Funding Agency
Research fellowship by Academic Institution	1460	Vignans Foundation for Science, Technology and Research, Vadlamudi
<a href="#">View File</a>		

### 3.2 – Resource Mobilization for Research

3.2.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	1095	DST-EMEQ	36.66	25
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### 3.3 – Innovation Ecosystem

3.3.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Manufacturing (CNC) - Foundation	AP State Skill Development Corporation (APSSDC)	17/06/2019
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3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Journal	Dr. D. Johan	Environmental	20/10/2018	Teacher

Reviewer	Babu	technology- Journal	
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### 3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
VTBI	Ahamad Ali	Self	3D Makers	3D Printing Technology	31/08/2018
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## 3.4 – Research Publications and Awards

### 3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
BIOTECHNOLOGY	4
ELECTRONICS AND COMMUNICATION ENGINEERING	4
MECHANICAL ENGINEERING	1
DEPARTMENT OF SCIENCE AND HUMANITIES	6
MASTER IN BUSSINESS ADMINISTRATION	1

### 3.4.2 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Sciences and Humanities (S H)	103	1.9
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### 3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Sciences and Humanities	55
<a href="#">View File</a>	

### 3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
Methodology and system for image restoration	Published	201941015601	24/04/2019
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### 3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
An Ensemble Neural	Mr. Siva Srinivasa Rao Manepa	Mr. Siva Srinivasa Rao Manepa	2018	0	Mr. Siva Srinivasa Rao Manepa	0

Network with Brain Storm Optimization (ENN-BSO) Classifier for Liver Diseases Detection for Ultrasound Image Analysis	lli., Dr. Jakeer Hussain Shaik	lli., Dr. Jakeer Hussain Shaik Journal of Advanced Research in Dynamical and Control Systems			lli., ELEC TRONICS AND COMMUNICATION ENGINEERING, Vignans Foundation for Science, Technology and Research, Vignans Foundation for Science, Technology and Research, Guntur, India Dr. Jakeer Hussain Shaik., Electronics and
<a href="#">View File</a>					

### 3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Effects of thermo-mechanical fatigue and low cycle fatigue in interaction on performance of solder joints	Surendar A., Kishore K.H., Kavitha M., Ibatova A.Z., Samavatian V.	IEEE Transactions on Device and Materials Reliability	2018	63	42	Vignans Foundation for Science, Technology and Research
<a href="#">View File</a>						

### 3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	0	54	0	7
Presented papers	150	130	0	24
Resource persons	2	2	0	0

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### 3.5 – Consultancy

#### 3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
<b>MECHANICAL ENGINEERING</b>	<b>Improvement of tool life in ultrasonic vibration assisted machining and development of ultrasonic vibration assisted tool holder</b>	<b>Kusalava International Limited, Adavinekkalam, Vijayawada</b>	<b>100000</b>

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#### 3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
<b>Prathamesh, Dilip Sapale, Chemical Engineering</b>	<b>Profesional Development Training Workshop</b>	<b>For Jawzjan university, In Association with Texas AM University and University of Alaska Fairbanks- USAID</b>	<b>945000</b>	<b>21</b>

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### 3.6 – Extension Activities

#### 3.6.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
<b>International Yoga Day in VU premises</b>	<b>Vignans Foundation for Science, Technology and Research</b>	<b>2</b>	<b>30</b>

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#### 3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
<b>Blood Donation Camp</b>	<b>Silver medal through Indian Red Cross Society</b>	<b>Government of Andhra Pradesh</b>	<b>30</b>

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#### 3.6.3 – Students participating in extension activities with Government Organisations, Non-Government

Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
University Extension Activities Council	Vignans Foundation for Science, Technology and Research	International Yoga Day in VU premises	3	30

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### 3.7 – Collaborations

3.7.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Students pursued their final year internship program for NTU - Global India Connect Program	BinduSree Kota, B.Tech (Bioinformatics)	VFSTR	180

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3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Internship	Web Application for Balaji Clinic	Rapra	15/12/2018	10/05/2019	B. SAI ABHILASH REDDY

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3.7.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
M/S Kumar Pumps, Sultanabad, Tenali	10/01/2019	Internships, Placements	4

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## CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
2270.02	2510.73



#### 4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
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#### 4.2 – Library as a Learning Resource

##### 4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
Ezlib	Fully	J2EE	2006

##### 4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	59114	17095920	4488	2522512	63602	19618432
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##### 4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Dr. D. Vijaya Ramu	Proteomics Genomics	Institutional LMS (VUMOODLE.IN)	07/05/2018
<a href="#">View File</a>			

#### 4.3 – IT Infrastructure

##### 4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	2281	1581	1	64	140	100	340	1024	56
Added	459	441	0	0	0	10	8	0	0
Total	2740	2022	1	64	140	110	348	1024	56

##### 4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

1024 MBPS/ GBPS
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##### 4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
VFSTR Media Center	<a href="https://www.vignan.ac.in/VFSTR%20Recording%20Editing%20Facilities%20presentation%20video.mp4">https://www.vignan.ac.in/VFSTR%20Recording%20Editing%20Facilities%20presentation%20video.mp4</a>

#### 4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
1038.32	1029.24	1098.71	1329.61

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

The maintenance policy of the institute is :

- The physical infrastructure of classrooms and other facilities to be maintained in a clean and hygienic way.
- All laboratory equipment should be functional all the time.
- Power to be available 24x7 with required backup
- Preventive maintenance should be adopted maximally.
- Regular updating of stock registers and utilization registers.
- Consumables to be procured at least one week in advance.

Well defined systems and procedures are available for maintaining all existing facilities as per the above policy, through demarcated sections supported by a dedicated team of more than 100 members. The institution allocates 20-25 of its budget towards maintenance works. Procedures of maintenance and utilization:

**Identifying problems:**

1. Concerned maintenance team conduct periodical checks of buildings to verify power supply, water, any deviations in structures like cracks, Spalling at edges, Swelling of concrete, Internal cracking etc., and refers to the concerned section.
2. A continuous practice followed to check classrooms, note status of furniture, fans, power, blackboards, projectors and CC cameras.
3. A procedure in place to receive complaints through online portal from staff and students
4. All fire safety equipment checked once a month.
5. The team oversees general maintenance of paint, power switches and general cleanliness.

**Preventive Maintenance:**

1. Periodic maintenance of facilities/equipment as per schedule is scrupulously executed by teams responsible.
2. Items whose usage has exceeded the prescribed time are replaced time to time.
3. Regular maintenance of water tanks, rusting of iron in slabs etc.

**Breakdown maintenance:**

1. Breakdown maintenance of any asset, facility and equipment, -whether or not under AMC or under preventive maintenance - , is attended in mission-mode
2. Maintenance of facilities such as water system, IT facilities, hostel facilities, motor vehicles etc. on breakdown are attended immediately.

Other maintenance includes .....  
**Electrical maintenance**  
**IT infrastructure maintenance:** Classrooms and Lab  
**Maintenance:** Library  
**Maintenance:** Furniture  
**Maintenance:** Sports  
**Maintenance:** Campus maintenance services

- A Project Director, expert in horticulture, supervises all supporting staff and looks after campus beautification works.
- The team ensures proper functioning of sprinkler system, pruning and watering of all plants, and looks after overall maintenance of the lush green campus.
- The pedestrian pathways and roads are kept clean and trash is picked up as per day wise schedules.

**UTILIZATION POLICY AND SYSTEM**

- Optimum utilization is ensured for all facilities.
- A log book is maintained in every laboratory with details on use and recording of any anomalies. Log books are periodically reviewed by HoD and inspection teams.
- The class rooms are used for Value Added courses, Remedial Learning classes, Preparation for NET/GATE/GMAT, UPSC, etc and other competitive examinations after regular class hours.
- Labs and RCs, CoEx Impact: The feedback on facilities from the students is 90. With all above systems and procedures in place for campus maintenance, the institution is successfully discharging all its activities in a smooth and orderly manner, and no major problem has ever been faced in all the years since the inception of the institution.

<https://www.vignan.ac.in/pdf/Procedures and Policy for Maintenance.pdf>

**CRITERION V – STUDENT SUPPORT AND PROGRESSION**

## 5.1 – Student Support

### 5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Scholarships, Free ships	3525	198105398
Financial Support from Other Sources			
a) National	Government, Non Government Scholarships	142	2498200
b) International	Nil	0	0
<a href="#">View File</a>			

### 5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Personal Counseling and Mentoring	05/07/2018	6809	In House Faculty - VFSTR and VFSTR- Psychologist
Yoga, Meditation Life Skills	14/07/2018	7174	In House VFSTR Part Time trainers
Bridge Course	19/06/2018	1245	In House Faculty - VFSTR
Language Lab	03/07/2018	1954	In House Faculty - VFSTR
Remedial Coaching	05/07/2018	5872	In House Faculty - VFSTR
Soft Skills development	27/07/2018	4572	FACE (Focus academy for career enhancement), CCC (Campus Corporate Connect), SMART Academy
Awareness of Trends in Techonology	06/09/2018	5914	In House Faculty - VFSTR
<a href="#">View File</a>			

### 5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2018	CIVILS Training	289	0	0	0
2019	Bussiness English Comm	667	0	543	0

	unication Training				
2019	Professional English Communication Training	0	1288	1240	0
2018	SCRT Classes for Upcoming IV years	0	1502	0	1344
2018	GATE Training	60	0	5	0
<a href="#">View File</a>					

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
14	14	4

## 5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
TCS, IBM, Wipro, LT, Infosys etc.,	1502	1211	Reliance, CTS, Genpact etc.,	206	133
<a href="#">View File</a>					

5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2018	7	B.Tech	Civil	National Institute of Construction Management and Research	PGP
2018	1	B.Tech	CSE	Mount Allison University, Canada	MS
2018	1	B.Tech	Biotech	Griffith University, Nathan, Brisbane, Queensland, Australia	MS
2018	1	B.Tech	ECE	Lambton	MS

				College, Canada	
2018	1	B.Tech	IT	Texas A&M university, USA	MS
2018	1	B.Tech	EEE	De Montfort University, Leicester, UK	MS
2018	1	BBA	Management Studies	University of central lancashire	MBA
<a href="#">View File</a>					

5.2.3 – Students qualifying in state/ national/ international level examinations during the year  
(eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	8
Any Other	619
GRE	11
<a href="#">View File</a>	

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Utti Utsav	Intra University	396
Sports Fete	National level Sports Competitions	1203
<a href="#">View File</a>		

### 5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	Gold Medal (Taekwondo)	National	1	0	171FA05203	U. Divya Lakshmi
2018	Gold Medal (Taekwondo)	National	1	0	171FA07093	Y. Ishitha
2018	Gold Medal (Taekwondo)	National	1	0	181FA04314	Mani Kumar
2019	Gold Medal (Air Rifle Shooting Juniors)	National	1	0	171FA03041	S. Avinash Babu
2019	Gold Medal Air Pistol	National	1	0	161FA15053	Tejaswi Boyapati

	Shooting Junior (Women)					
2018	Runners (Table Tennis)	National	1	0	181FC01032	K.Raghuveer
2018	Bronze Medal (Long jump(M))	National	1	0	181FC01081	Sk.Ayaz
2018	I Place (Shortfilm)	National	0	1	151FA04141 & team	K.Kiran
2019	II Place (Western Group Dance)	National	0	1	151FA05024 & team	K.Yasaswini
2019	I Place (Classical Group)	National	0	1	161FA04126 & team	Reddy Devi Soumya
<a href="#">View File</a>						

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

VFSTR has a Student Activities Council, a representative body through which students of the institution work in partnership with the staff and administration to address and resolve their problems related to study and a better campus life. Student Activities Council (SAC): The Student Activity Council of 80 members is elected annually from among the nominees and selections done through a democratic process involving a panel of faculty members and student representatives drawn from across all departments. It has a President, Vice Presidents, General Secretaries, Member Secretaries and a Treasurer, supported by a sub-structure of various committees, comprising 400 students, who plan, organize and execute a plethora of Co and Extracurricular events and competitions on campus. SAC members also participate in decision making on issues relate to student life and study on campus. They are on Committees like Course Monitoring, Anti Ragging, Sports committee, Srujanankura and Mahotsav, Women Empowerment and Development Cell, Entrepreneurship Cell, etc. Students through playing an active role in different committees help to create a vibrant campus culture and a distinct institutional brand in the State of A.P. Contribution for Institutional development: To name a few: • Library software EZ Lib completely developed and updated by students with guidance from faculty in automation of various library activities. • Students participate in CMC meetings, to provide feedback and thereby help in improving teaching. • Students participate as observers in various apex body meetings like Board of Management and Academic Council, and help to disseminate information to all students. • Students promote and manage hosting of all the events. A team of students coordinates and volunteer their help to the Training and Placement Cell, which spearheads all training activities and placement process. • Create awareness on Swacch Vignan to other students, and campaign for Swachtha in the neighborhood, thus improving the brand of the institution. Contribution to student welfare: • SAC extends help to less privileged students, financially or in other ways. • The gender champions (two girl and two boy students) contribute to the gender sensitivity activities. • SAC organize voluntary contributions and service during emergencies and disasters. • SAC contributes to relaxed and stress-free environment for the students, by organizing co-curricular club activities. • SAC helps the institution to maintain health

records of the students. Outcome: • Students are supportive and cooperative in implementing all systems, academic, co and extracurricular activities. • Campus is ragging free with no incidence of student unrest or indiscipline, ragging or vandalism in last five years. • 80-85 of students successful in securing jobs through campus recruitment drives. • Leadership opportunities and training provided on campus has helped many students to realize their potential and enabled them to enjoy fast track growth in their careers. • 20-25 start-ups evolved in last 3-4 years, of which 6-7 are very successful. • In last five years more than 150 medals are bagged by students at national level events. Thus, students develop into well balanced and mature professionals with good team skills and leadership abilities.

## 5.4 – Alumni Engagement

### 5.4.1 – Whether the institution has registered Alumni Association?

Yes

Alumni are one of the key stakeholders of the institute and the institution maintains healthy and lifelong relations with them. The VFSTR Alumni Association is a recognized body, registered as a society in 2013 under the Andhra Pradesh Societies Registration Act, 2001. The alumni association is composed of: 1. President - Alumni student 2. Vice President - Alumni student 3. Secretary - Senior faculty member 4. Treasurer - Finance officer VFSTRAA has five chapters in India and two chapters abroad, in Australia and Canada. Every chapter has its own administrative body and keeps its members connected. The official Alumni Database is maintained at <http://vignanalumni.org>. Also, every department maintains its own database and are in touch with alumni through Alumni connect network, social networking etc. VFSTR Alumni extended their support in terms of financial, academic and research towards the development of Library, Labs, Research Centers, Medals and Awards etc. Alumni act as members of BoS, deliver guest lectures, facilitate internships, assistance in Placements, organize Industry visits and extend support to students seeking study abroad. The Alumni Association Committee conducts activities and supports the Alma matter in its betterment. Institute organizes Alumni meets periodically, once in 6 months. A team of faculty and students supported by Alumni contributed to develop an ERP system that provides administrative and functional assistance. Distinguished alumni are recognized and honored by the university. Few of VFSTR's distinguished alumni are Shri. Shridhar Babu Addanki, IAS, secretary -Tobacco Board, Mr. Anil Ravipudi, an Indian film director. Alumni support in the following: i. Academics: • Curriculum enrichment through inputs to bridge gap between Industry and Institute. • Guest lectures on emerging areas. • Suggesting value added courses. • Suggestions for improvement of lab components with industry inputs. • As Speakers/ Sponsors during workshops/ conferences. ii. Placements and Internships: A good number of alumni are at middle level and executive positions in various industries. They refer companies to visit campus and help through: • Delivering Pre-talks of specific companies, to sensitize existing students on required technical skills. • Helping to identify and bridge gaps in curriculum through industry perspective • Connecting Institution to Industry • Nominating juniors through referrals and facilitating internships • Supporting to new entrants when they join industry. • Share lateral job postings for fellow alumni. iii. Entrepreneurship: • Alumni, who are well-settled, organize training camps on campus for four - five days to create awareness on registration process of a start-up, teething troubles, financial guidance to seek banks loans, market scenario etc. • Some alumni show readiness to extend small funding. • Alumni having their own enterprises offer internships to existing students. • Connect district MSME officials to institution. iv. Higher education: • Alumni guide juniors on admission process abroad, desirable scores in GRE, IELTS, TOEFL, scholarship opportunities etc. • They facilitate adjustment of their juniors when they



travel to Australia, Europe, USA etc., VFSTR is thus availing value from the Alumni Network to build its reputation, which depends on how successful its graduates are in real world.

5.4.2 – No. of registered Alumni:

1640

5.4.3 – Alumni contribution during the year (in Rupees) :

2265000

5.4.4 – Meetings/activities organized by Alumni Association :

S.No	Date	Department / University	No of Alumni attended
1	09.01.2019	Alumni meet for IT Dept. students	68
2	04.01.2019	Alumni meet for CSE dept. students	45
3	06.11.2018	KAIZEN Alumni meet (MBA)	150
4	04.10.2018	RACE Alumni meet (Civil)	150

## CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

I - Participative Management : Decentralized, Efficient and Effective Functioning of Executives: The implementation and execution of various aspects of governance are carried through different Dean and HoD offices. Apart from the regular meetings of Apex bodies, university executives like Deans and HoDs meet every week (DDH Meeting) to discuss on the issues and developmental activities and formulate policies and for effective implementation of the same. The same will be disseminated in the departmental staff meeting headed by HoD. Various committees with the senior faculty as Chairperson and other faculty and students as members look after special needs of students and faculty. More than 22 different committees which include student members, look after the various administrative functions of the institution, with no interference from the management. The institution strictly follows the directives and guidelines stipulated in the Memorandum of Association (MoA). A comprehensive manual is in place defining the role of every position from non-teaching staff to the highest cadre which enables to keep the administration transparent and systematic. The institution follows a decentralized and democratic administrative structure for efficient functioning on a day-to-day basis. Moreover, the institution practices the culture of participative management by inviting student members to participate in all apex body meetings. All the executives who are delegated the administrative powers are provided with support to discharge their functions. In cases of overlapping responsibilities of executives, a committee is usually constituted involving the executives concerned to review and recommend actions to be taken. Vice-Chancellor is the authority to approve such actions. Any decision involving deployment of human resources or financial resources will be taken by the executives keeping the Registrar informed. All Deans and HoDs have power to decide on procurement decisions within the allotted budget, and by following administrative procedure.

II - Decentralization of Financial Powers to various authorities of VFSTR

S.No	Designation	Financial Powers	Remarks
1	Vice-Chancellor	> Rs. 1 Lakh	
2	Rector	> Rs. 50,000 to < Rs. 1 Lakh	
3	Registrar	upto Rs. 50,000/-	
4	Deans	upto Rs.10,000/-	To be exercised only once in a month. To cater for Associate Deans requirement also.
5	HoDs	upto Rs.5,000/-	To be exercised only once in a month.

Imprest Money also available for Departments in addition to this amount.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes



## 6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
<p style="text-align: center;">Library, ICT and Physical Infrastructure / Instrumentation</p>	<p>Special initiatives of the library: • Every day library is moving to classes --- to facilitate students and faculty on</p> <ol style="list-style-type: none"> <li>1. Articles by the experts in news papers</li> <li>2. Placements information</li> <li>3. Different companies achievements</li> <li>4. Thrust areas of Research</li> </ol> <p>• Allocation of significant portion of the annual budget for the development of infrastructure, e-learning facilities and subscription of journals/titles/e-books</p> <p>• Inclusion of library hours in students' time-table to motivate self-learning</p> <p>• Development of special facility for differently-abled students</p> <ul style="list-style-type: none"> <li>• Periodic exhibition of new journals/books inside the library</li> <li>• Invitation of suggestions from various stake-holders to further improve the status of the library.</li> </ul> <p>infrastructure:</p> <ol style="list-style-type: none"> <li>c. Creation of specialized Centres of Excellence and Research Centers for promotion of product and process oriented research with local relevance</li> <li>f. Developing infrastructure for digital learning and environmental sustainability</li> <li>g. 100 percent ICT enabled classrooms and seminar halls</li> </ol>
<p style="text-align: center;">Industry Interaction / Collaboration</p>	<p>Research Collaborations with industries</p> <p>The networking of industries with educational institutes by way of MoU's/ collaborations would help both Parties share resources (both physical and HR).</p> <p>This would bring the much needed industry needs to the understanding of the academic personal and would help then do an empirical research useful to the society and the industry. The academic knowledge interchange to the industry personal would help them revisit this much needed basics.</p> <p>Student industry visits The students are taken to all nearby industries and field visits in the first two years, to make them understand the difference between industry and academia. The students also will know the usage of different principles in the real industrial world. In the third year the students are taken to long tours to other states of their respective branches and allied units to know the total supply chain and technology being</p>

used. Guest lectures by industry persons In order to bring fresh and trending industry ideas into the minds, aspirations and current research of the students, Guest lecturers from various streams are invited time to time to enlighten the students. The guest lectures are followed up by workshops and conference if they will help the students in the near future. In case the resource persons are far away in other states and countries a web session is conducted for the benefit of students and researches. 2 to 4 Weeks faculty training To improve the quality of the teaching learning process and considering the range of student's intake quality, VFTSR has taken an initiative of sending faculty to industries for a period of 2-4 week. During this period faculty will be familiarized with industry setup, state of art equipment, Standard operating procedures followed by the industries. Training program would help the faculty to be effective from day of class work. Internships The students are subjected to a mandatory semester long internship either in their 7th Semester or 8th Semester. The internship is given in various related organizations with which we have MoU's and understanding for internships Placements. Frequent visits by the student guides to the industry where students are pursuing internship not only ensure that the program runs smoothly but also provides faculty an in right of industry. The attendance and performance reports are frequently collected from the internship provides for end semester evaluation.

**Admission of Students**

Strategies for consuming quality of students at the entry level:- The institute is known for its honest practices and ethical value systems and adopted transparent and systematic procedures of admission. Public perception of the university is good due to the quality of education imparted to the students, campus placements, discipline and ambience. This is reflected in the quality of admissions. Admissions based on merit only Admissions are made based on the results / ranks in different modes of national and state level tests to attract talented students from

different corners of the country. B.Tech admissions are made based on: ? V-SAT / JEE / EAMCET / of Marks in 2 Examination. ? Vignan's Joint Entrance test (V-JET) for admissions into BBA / BCA. ? Similarly admissions into PG programmes are also made through GATE / PGECET / I-CET / MAT / CAT relevant to the programme. ? Minimum qualifying marks of 60 in intermediate is well above the requirements of state level entrance tests. ? Though the minimum eligibility is 60 in the qualifying examination for admission into B.Tech, students with less than 80 are not admitted into programmes like CSE and less than 70 are not admitted into all other programmes. ? Admissions are purely on merit and reservation policies of the Govt. Encouraging the merit through scholarships Good academic environment and special schemes in the form of academic scholarships are also in place to attract meritorious students. To encourage meritorious students, scholarship worth around Rs.400 lakhs is awarded every year with a cumulative effect of Rs. 16 Crores at the institutional level. The growth prospects provided by the institution and these scholarships lead to overall improvement in the quality of students enrolled into the institution during the last five years. Measures for Improvement in the quality of students:

1. Offering merit scholarships to the students based on their academic performance in the qualifying examination and relevant competitive examinations.
2. Conducting competitions like Quiz, Elocutions etc., among the students at various locations and 2 colleges across AP, TS, Kerala, UP, Jharkhand etc., to identify the students who excel in extracurricular and co-curricular activities and encourage them with scholarships.
3. Offering scholarships to sports personnel who represent individual / track events at the State / University / District level.
4. Conducting mock tests, competitions for students in association with print/electronic media like The Hindu, Malayala Manorama, Sakshi, etc.
5. The secure environment provided in the university also increased the

	<p>proportion of girls students in the admissions.</p>
<p>Human Resource Management</p>	<p>Faculty Recruitment VFSTR regularly organizes faculty recruitment by taking requirement from each department. Major steps in the process are: Step 1: Identification of requirements based on the work load / statutory requirements at department level. Step 2: Submission of requirement to Registrar. Step 3: Issuing advertisement in all leading newspapers, Online Job portals and in University Website. Step 3: Process of Interviews (Three Tier Process) - Written Test - Technical Interview - Test of Pedagogy Skills Pre-recruitment Planning Execution • Before commencement of each semester, HODs of each department shall submit a report to Registrar detailing their department faculty needs based on the following criteria: • Work load analysis which will also consider prospective change in student intake • Changes in curriculum and any subsequent requirement for faculty with a given specialization • Any other specialized skills as required by the industry/ other stakeholders. • Based on the above report and based on student-faculty ratio and Cadre ratio prescribed by AICTE, Registrar in coordination with HoD's Concerned will finalize the vacancy positions and subsequently submitted for approval in BoM. • The University will notify or advertise through leading print and electronic media for inviting applications. • VFSTR will follow strict guidelines of AICTE/UGC guidelines regarding eligibility criteria for various cadres of teaching and non- teaching staff. All the eligible and shortlisted applicants shall be called for the interview and paid III AC rail fare. • A committee headed with Vice-Chancellor will conduct final interview to the shortlisted applicants and depending on merits in interview performance and in academics they were offered employment offer together with Terms, Conditions and Remuneration (negotiable). • The detailed appointment letter will be issued on joining and completing other joining formalities. • In order to attract talented and research oriented candidates, the university regularly</p>

visits premier universities and institutions like IITs / NITs / IIITs to recruit doctoral and PG candidates.

#### Faculty Development and Career

Progression: • The university shall undertake training and development of faculty members as a formally mandated requirement: • Faculty members will be sponsored by the University for one national and one international conference per year. • University regularly organizes various staff development programmes , including Induction Training and Orientation programme, other refresher courses etc., • Regular faculty development programs shall be conducted to help faculty upgrade/ refresh their skills regarding innovative approaches in teaching-learning • All faculty members shall be encouraged to publish at least one paper in peer reviewed journals.

They will be provided with the seed money of INR 2 lakhs to initiate their research work. • Study leave/QIP will be provided for faculty to pursue higher education/ PDF in the area of their interest • Faculty members are encouraged to undertake funded research and consultancy assignments. • Experts from industry and academia will be invited on campus on a regular basis for faculty to interact and develop associations • Faculty are encouraged and supported (financially and academically) to enroll and actively participate in various professional bodies • Faculty members are encouraged supported financially to visit foreign Universities for academic purpose. • The University has strictly implemented the scheme of headship of departments by rotation to inculcate leadership among faculty members. • Faculty are being deputed to Administrative Staff College of India (ASCI) Hyderabad as part of Faculty Development Programmes.

Availability of Faculty: • University is in search of faculty throughout the country through different sources and identified the required faculty for the courses to be started in the first year. • University is putting efforts to maintain a faculty student ratio of 1:12 for PG and 1:15 for UG students as prescribed by AICTE

Faculty Promotions: • The faculty members are promoted to a higher position based on seniority and

expertise. Career Advancement Scheme(CAS) promotions as per updated guidelines of UGC/AICTE being conducted twice in a year. In addition to CAS, those meritorious faculty are also promoted out of turn by a specially constituted committee as and when applied.

Research and Development

1. Research Incentives for publications with good impact factors  
 2. 15 of project grant received from external funding agencies as incentive from the university funds  
 3. 10 of Annual University budget is allotted towards Research activities  
 4. Reimbursement of Expenses amount to those faculty those who attend National / International conferences organized with in the country  
 5. Deputing the faculty to industry for a period of 15 days to 1 month to work on industrial problems and get hands on Industrial Experience  
 6. Financial assistance to those faculty who file the patents

Examination and Evaluation

- o Evaluated answer scripts are available for student verification
- o Scheme of evaluation is made available for student verification on the day of examination
- o Results in institution website/ SMS/ Notice boards
- o Recounting/ Revaluation process
- o Question paper from external experts
- o Jumbling encoding of examination answer scripts
- o Scrutinizers for correct posting of marks
- o 20 of scripts are re verified for checking the evaluation
- o Examinations under CCTV surveillance
- o Invigilator student ratio 1:15
- o Computerization of all activities
- o External audit of answer scripts
- o External examiners for lab examinations
- o Observers for lab examinations

Teaching and Learning

To ensure quality in teaching-learning process, Faculty Development Programs are conducted periodically wherein resource persons are invited from premier institutes such as NITTTR. Faculty are encouraged to conduct add on courses and workshops for students. Faculty are also deputed to industries to get hands on experience for 2 to 4 weeks to understand the gaps in academia-industry Interaction. VFSTR encourages faculty to take part in national and international conferences organized by premier institutes, research organizations and societies so

that they can disseminate the knowledge and technical expertise to students. Guest lectures by eminent personalities from industries are being conducted regularly for Students and Faculty as part of Academia - Industry interaction.

**Curriculum Development**

In tune with the emerging technologies in the field, the curriculum undergoes revision from time to time. The curriculum is revised based on stakeholders feedback wherein industry personnel also play an important role in providing feedback. The draft curriculum is then discussed threadbare with academic experts from premier Academic institutes, Research organizations and with Industry personnel. The draft curriculum is put for discussion in Board of Studies (BoS) wherein the members are a right mix of people from Academia, Industries and Research organizations. With their inputs, the curriculum is placed before the Academic Council. After deliberations, the curriculum gets the approval of Academic Council.

**6.2.2 – Implementation of e-governance in areas of operations:**

E-governance area	Details
<p><b>Examination</b></p>	<p>The following activities are e-governed :-</p> <ul style="list-style-type: none"> <li>o Examination fee collection</li> <li>o Hall ticket generation</li> <li>o Seating arrangement</li> <li>o Attendance statements</li> <li>o Encoding</li> <li>o Marks entry and results processing</li> <li>o Database for paper setting and Evaluation</li> <li>o Certificates generation and registration</li> <li>o All payments through online</li> <li>o Communication to departments, valuers and paper setters through e-mail</li> </ul>
<p><b>Student Admission and Support</b></p>	<ul style="list-style-type: none"> <li>• Admissions module ? Application processing ? Online Admission Tests (VSAT,VMAT,VGATE) ? Admission counselling and enrolment into programs</li> <li>• Student Services ? Student Information Web Portal (Academic course registration, Student Attendance, Marks information, message services, Fee dues, Feedback collection, Counseling system etc.,) ? Hostel Management System(Fee collection, Room allotment, student monitoring system etc.,) ? Mess inventory management System ? Transport Maintenance Management System ? University Library Information system</li> </ul>



Finance and Accounts	<ul style="list-style-type: none"> <li>Accounting package Tally. ERP9 is being used for maintenance of accounting transactions.</li> <li>TDS returns are being filed through online by using Winman TDS software.</li> <li>All the student's details are stored in online fee package</li> <li>Fee collection from the students is being received by online transfer.</li> <li>We have a student portal in the website where in students can get the various details like details total fee, fee paid and fee to be paid.</li> <li>Details of the teaching and non teaching are stored in the VIMS portal and attendance details of all the staff for are taken for the purpose of payment of salary from biometric attendance system.</li> <li>All the statutory dues like TDS, Provident Fund, ESI and Professional Tax are paid through online payments system through the medium of net banking. Almost all the payments are made only through RTGS/NEFT through the medium of banks.</li> </ul>
Planning and Development	<ul style="list-style-type: none"> <li>? Mess inventory management System ?</li> <li>Faculty Research management System ?</li> <li>Pre Ph.D Students Attendance Package ?</li> <li>Summer semester attendance package ?</li> <li>Academic Audit Assessment Information system</li> </ul>
Administration	<ul style="list-style-type: none"> <li>? VFSTR Information Management System(Employee profiles, Time keeper and leaves management, Payroll management) ?</li> <li>HR management(On-campus recruitment application processing and online screening test) ?</li> <li>Infrastructure and Inventory management system</li> </ul>

### 6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	DR. V.MADHUSUDHAN RAO	10TH INTERNATIONAL CONFERENCE ON MATERIALS FOR ADVANCED TECHNOLOGIES (ICMAT-2019)MRS-S, C/O NTU, SINGAPORE	NIL	112150
2018	DR. ANJANI DEVI CHINTAGUNTA	INTERNATIONAL CONFERENCE ON B	NIL	15179



		IOTECHNOLOGICAL RESEARCH AND INNOVATION FOR SUSTAINABLE DEVELOPMENT DURING 22-25TH NOVEMBER, 2018, XV BRSI CONVENTION CSIR- INDIAN INSTITUTE OF CHEMICAL TECHNOLOGY, HYDERABAD		
2018	DR. B. SEETHARAM ANJANEYULU	NIL	IEEE	2990
<a href="#">View File</a>				

6.3.2 – Number of professional development / administrative training programmes organized by the University for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2018	NIL	TRAINING PROGRAM ON PROFESSIONAL ETHICS, ECO-WORKING METHODS AND CODE OF CONDUCTS	03/12/2018	06/12/2018	0	58
2019	OUTCOME BASED EDUCATION (OBE): CO, PO, PSO AND PEOS MAPPING - NITTTR, CHANDIGARH	NIL	20/02/2019	27/02/2019	51	0
<a href="#">View File</a>						

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
ADMINISTRATIVE	28	11/03/2019	20/03/2019	10

STAFF COLLEGE OF INDIA CONDUCTED MANAGEMENT DEVELOPMENT PROGRAMME FOR SENIOR FACULTY AND ADMINISTRATORS OF VIGNANS FOUNDATION FOR SCIENCE, TECHNOLOGY AND RESEARCH "PURSUING EXCELLENCE IN ACADEMICS AND ADMINISTRATION				
INDUSTRIAL TRAINING ON GALLANT ELECTRONICS CONTROL	2	27/11/2018	11/12/2018	15
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
97	97	37	37

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Health Insurance, Accidental Insurance, Concession in Transportation Fee, Free Lunch, Concession in Tuition fees for the wards, Birthday Gift, Marriage Gift, etc..	Health Insurance, Accidental Insurance, Concession in Transportation Fee, Free Lunch, Concession in Tuition fees for the wards, Birthday Gift, Marriage Gift, etc	Merit Scholarships and sponsorship in student exchange program with foreign universities and other social activities, Part-time jobs,

**6.4 – Financial Management and Resource Mobilization**

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

External Audit: The renowned audit firm M/s. Punnaiah Co., Hyderabad is the external auditors of Vignans Foundation for Science, Technology and Research. This is a certified audit firm by the Institution of Chartered Accountants of India (ICAI). The auditors visit the Institute once in every 6 months and audit the account statements prepared by the Finance team of the Institution. During this process they pursue all the transactions and books of accounts such as journals, ledgers etc. Any irregularities identified by them are duly rectified. At the end of every financial year, they certify the final accounts of institution such as Income and Expenditure statement, Balance Sheet and schedules forming part of the balance sheet. They also submit the audit report along with the annual financial statements with their observations The final audited financial statements are kept in the website of the Institution. They

are also submitted to the University Grants Commission (UGC) immediately after completion of audit every year. Internal Audit: The renowned audit firm Sridhar and Sivarama., Guntur is the internal auditors of Vignans Foundation for Science, Technology and Research. This is also a certified audit firm by the Institution of Chartered Accountants of India (ICAI). They audit the transactions and other books of accounts of the institution on a continuous basis and prepares by monthly audit reports. Their reports are submitted to the management under copies to the Registrar and Finance Officer. The irregularities pointed out, if any are rectified then and there and a rectified report is submitted to management.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Innobox Systems Pvt. Ltd., Hyderabad, Telangana	1500000	Test lab for Electronics and Communications and Technologies
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6.4.3 – Total corpus fund generated

100000000
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## 6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	External experts from reputed institutions	Yes	IQAC
Administrative	Yes	Vice-chancellor Andhra University, Former Vice-chancellor GITAM University and ISO Auditor	Yes	IQAC

6.5.2 – What efforts are made by the University to promote autonomy in the affiliated/constituent colleges? (if applicable)

Not applicable
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6.5.3 – Activities and support from the Parent – Teacher Association (at least three)

Parent Teacher Association (PTA) is a very active organization working in the campus to provide a common forum for interaction of parents and teachers so as to improve facilities for academic excellence. The Parent-Teacher Association (PTA) functions with a view to maintain effective interaction between the institution and the parents and to give a touch of parental care for the students. The Parent Teacher Association has a prominent role in aiding smooth functioning of the institute. All parents/guardians of the students on the roles of the institute are members of the association. It is compulsory for a parent/guardian to be a member of the PTA. It actively involves in training and

placement, up gradation of Co-Curricular and Extra-Curricular activities and Counseling of students. Meetings are convened to discuss the issues connected with the smooth functioning of the institute. Following are the activities planned for the academic year 2018-19

1. Seminar on importance of 'Organ Donation -The gift of Life' (24th September 2018)
2. A three day faculty development programme on 'Effective student counseling techniques' (29th - 31st July 2019)
3. E-gnition 2K18- Business ideas and Start-up Opportunities (17th September 2018)

#### 6.5.4 – Development programmes for support staff (at least three)

1. File Maintenance.
2. Accountability towards work.
3. Vendor Management- Obtaining quotations from vendors, Preparation of comparative statements, Communication with vendors and Vendor Management etc.,
4. Basic Letter and E-mail drafting practices on computer.
5. MS-Office- Basics of Documentation in Word.
6. Basic Hardware Knowledge of Computers
7. Communication Skills

#### 6.5.5 – Post Accreditation initiative(s) (mention at least three)

**High quality research publications:** Faculty were encouraged to focus on high quality publications by providing incentives for papers published in SCI / Scopus (unpaid) journals/ book chapters / books. The average number of publications per faculty increased from 0.8 to 4.5 in the last five years (Total number of publications in peer reviewed journal during 2010 to 2014 are 581, and during 2015-2019 are 2122). Professional bodies /Student chapters/ events: Students are encouraged to take part in professional bodies such as IEEE, IETE, ISTE, SAE, ICI etc. Availability of Wi-Fi Following additional facilities are created: IT infrastructure with almost 5000 network connections through LAN. Extensive Wi-Fi access to all the students and staff members through routers, and WiFi hotspots. NKN network of 1 GBPS is hired for the university at a cost of Rs. 50 lakhs for 10 years in 2010. Another network of 60 MBPS is hired from Reliance communications as a standby at a cost of Rs.5 Lakhs.

#### 6.5.6 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	Yes
d) NBA or any other quality audit	Yes

#### 6.5.7 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	Awareness on Revised Framework of NAAC	24/07/2018	24/07/2018	27/07/2018	445
2019	Workshop on NBA accreditation	15/05/2019	15/05/2019	17/05/2019	210

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### **CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES**

#### **7.1 – Institutional Values and Social Responsibilities**

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)



		community					
2018	19	11	23/06/2018	2	Seva Bharati	150 women trainers (resource persons) were trained how to teach children in slum and rural areas	17
<a href="#">View File</a>							

7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Code of conduct for Students	07/07/2018	The Student Code of Conduct sets out the standards of conduct expected from students. It holds individuals and groups responsible for the consequences of their actions. Also, it is designed to guide the students through four-year study on the campus. It is aimed at making students aware of their rights responsibilities and at the same time facilitate them to avail all the resources of the campus be it the infrastructure, common amenities or human resources to the optimum level. So that a student can have a productive learning experience in campus.
Code of Conduct for Staff	05/07/2018	The Code of Conduct (Code)for staff, is a shared statement of our commitment to upholding the ethical, professional and legal standards we use as the basis for our daily actions. These are established with a view to bring an awareness to staff about the institution and its functioning from administration point of

view. The main purpose of code of conduct for staff is to set and maintain a standard for acceptable behaviour in campus. It also acts as a reminder to the employees of what is expected from them. It discusses about standard practices like Timings, dress code, use of mobile phone in campus, Notice period, exit policies etc.,

#### 7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Compassion: Homage to Pulwama Attack Martyrs	15/02/2019	15/02/2019	500
Examination on Ethics and Human values	12/03/2019	12/03/2019	72
Recognizing the Importance of Socialization Process	06/05/2019	06/05/2019	120
Vajpayees Contribution for the country and ethical standards in his life	17/08/2018	17/08/2018	3080
Guest Lecture on Positive Human Behaviour	13/09/2018	13/09/2018	330
Importance of Imparting Human and Ethical values in the current education system	19/10/2018	19/10/2018	112
Practising of Human Values in life	22/08/2018	22/08/2018	80
Talk on Eradicating Corruption	10/12/2018	10/12/2018	280
Talk on Decision Making	21/12/2018	21/12/2018	220
Importance of Human Values and ethics in Public Life	31/01/2019	31/01/2019	320

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#### 7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Restricted entry of automobiles : The students are not allowed to use the

motorized two wheeler and four wheeler inside the campus. Vehicles are parked outside the campus. 2. Use of Bicycles/ Battery powered vehicles : Faculty and students are encouraged to use the bicycles inside the campus. and battery powered vehicles are provided. 3. Pedestrian Friendly pathways : Pathways are provided for safe movement of pedestrians 4. Ban on use of Plastic : All the forms right from admission to issue of Degree certificates are available in the student's software (VIMS). The faculty leave application and other applications are VIMS login. 5. Lush-green campus - landscaping with trees and plants : Roads are covered with trees on both the sides. All the front area of the buildings are planted and covered with beautiful plants and grass.

## 7.2 – Best Practices

### 7.2.1 – Describe at least two institutional best practices

**Title of the Best Practice: Creating Research Environment in the Institution**  
The development of infrastructure in VFSTR is taken care of all the regulatory requirements. But it did not limit only to this objective, and the creation of infrastructure is done with the aim of joyful learning and health of students and employees  
**Objectives of the Practice**  
• To improve the focus of the faculty on research activities on par with teaching learning processes.  
• To create new research facilities with advanced equipment.  
• To create management of the research facilities to utilize facilities to the optimum level by all interested.  
• To identify a few talented faculty to focus mainly research and mentor other faculty on research activities.  
• To improve the publications and execution of sponsored projects in an optimum way.  
**Title of the Best Practice: Creation of infrastructure conducive to learning and health**  
The development of infrastructure in VFSTR is taken care of all the regulatory requirements. But it did not limit only to this objective, and the creation of infrastructure is done with the aim of joyful learning and health of students and employees  
**Objective:**  
1. To create very healthy and natural environment to the students and faculty.  
2. To develop the habits of cleanliness, and using the space in a comfortable way among students and faculty.  
3. Create all infrastructures with safety provisions and to maintain the safety of the students even in extreme condition.  
4. To create buildings matching the magnitude of the institution.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<https://www.vignan.ac.in/pdf/Best%20Practice.pdf>

## 7.3 – Institutional Distinctiveness

### 7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

Most of the students of VFSTR hailing from rural background lack good English communication capabilities. The institute makes special efforts to cover this deficiency through a 100 Hr special English language coaching, in association with Cambridge University. Well equipped with learning platforms like Rosetta Stone, Speech Solutions, TOEFL Mastery, and curriculum supported content like Mindscapes, the English Language Lab with 74 system worth Rs.28 lakhs enables semi-urban and rural students of VFSTR to immerse themselves in computer aided language learning (CALL). Further, the lab curriculum provide scope for activities and tasks that help students to communicate proficiently with their teachers and peers in English, and correct their grammatical errors and helps students to prepare for Cambridge Exams like PET in the first year and BEC in the third year and secure high pass percentage in these international certifications. Thus the English lab is helping to boost the communication skills and confidence levels of the students, enabling them to perform better in campus interviews.



Provide the weblink of the institution

<https://www.vignan.ac.in/pdf/Institutional%20Distinctiveness.pdf>

### **8.Future Plans of Actions for Next Academic Year**

1. NBA accreditation for eligible programs: Institute is planning to apply for NBA accreditation for 5 programs in first slot among the following programs BT, CSE, ECE, EEE, IT and Mechanical engineering may be considered. 2. Establish the Robotics Laboratory: Robotics lab will be established in the department of Mechanical engineering for preparing the students to cope up with automation process in manufacturing sector of industries. 3. Establishment of Center of Computational Facility: To carry out the simulation research using advanced computational tools and utilize the facility as a centralized database. 4. Increase the quality of publications and citations: To strengthen the profile of the individual/ institute, faculties are encouraged to focus on their research work to publish in high h-index journals. 5. Increase the number of conferences organizing by the departments: To share learning and best practice from thought leaders/ experts and engage faculty with like minded people to share, inspire and generate ideas in their field. Facilitate new collaborations and disseminate research.