

SELF STUDY REPORT

Executive Summary

Introduction:

Vallurupalli Nageswara Rao Vignana Jyothi Institute of Engineering and Technology [VNRVJIET] an Autonomous institution sponsored by Vignana Jyothi Society is established in the year 1995 in the state of Telangana[then combined Andhra Pradesh state]. The institution is affiliated to JNTUH and is granted the status of Autonomous from the Academic year 2012 by UGC. Accredited by the NAAC with Grade A with a CGPA of 3.21 on 4 point scale in 2013, the institution is applying for the re-accreditation in its 2nd cycle. The institution is conferred with the honor of “College with Potential for Excellence (CPE) by UGC in August 2016. National Board of Accreditation (NBA) has accredited B.Tech - UG – CE program for 5 years and UG – CSE, ECE, EEE, EIE, IT, ME programmes for 3 years. Institute is placed in the rank band of 101 -150 by NIRF, MHRD in 2017.

The institution with a vision of serving the society through value-based education has been making a mark in the educational map of this region. The institute offers academic programs with innovative curriculum, advanced research in cutting-edge technologies and societal engagement through outreach activities. The institute has 9 departments and offers 21 academic programs both at UG and PG level. Currently, 5027 students are on roll.

Vision:

“To be a World Class University providing value based education, conducting interdisciplinary research in cutting edge technologies leading to sustainable socioeconomic development of the nation”.

Mission:

- To produce technically competent and socially responsible engineers, managers and entrepreneurs who will be future ready.
- To involve students and faculty in innovative research projects linked with industry, academic and research institutions in India and abroad.
- To use modern pedagogy for improving the teaching learning process.

SWOC

Institutional Strength :

- Visionary and Committed Management – Motivated faculty and students in all their endeavors.
- Institute is an Autonomous college and is recognized as a *College with Potential for Excellence (CPE)* by UGC and 7-UG and 4-PG Programmes are NBA Accredited. CE program is accredited for 5 Years by NBA.
- Well established infrastructure – 75 Classrooms, 14 Seminar Halls, 120 Laboratories, 8 exclusive R&D laboratories, Student Design & Experimental Learning Centre, VJ Hub with 10 Incubation centres, 10 Centres of Research, dedicated Sports complex, Student Activity Centre, 100% Wi-Fi, Video surveillance, Digital sign boards, Campus automation, Aadhar enabled Biometric.
- Decentralized administrative setup with complete autonomy to Deans and HODs.
- Dedicated well qualified and experienced faculty - 106 (30%) Ph.D. qualified Faculty and 131(36%) pursuing Ph.D. Faculty.
- Strong industry & institution interaction - 39 MOUs with premier industries and academic institutions.
- An Outcome-based curriculum enriched with Certificate courses designed with stake holder’s feedback to meet changing demands in industry and societal needs.

- Implementation of Student Centric teaching-learning methodologies viz. WIT & WIL, POGIL, VNR Lab Protocol, Story Board, Course based Projects, Show & Tell, Career Vision Approach, Learning By Doing (LBD), Flipped Classrooms etc.
- Exclusive Training and Placement Cell with qualified, faculty to train students in advanced technologies to get internships and placement. 83% of the students are placed.
- Continuous non-monetary and monetary support from Alumni in all aspects.

Institutional Weakness :

- Though there is a substantial growth in funded Research, IPR, Institution has been striving to attract incremental funding through projects from UGC, DST, AICTE, SERB, DRDO, ISRO, etc.
- Despite achieving more than 83% placements, Institution is aiming for improving core company placements.
- The institute has spent Rs.1.78 crores on establishing good R&D infrastructure with 8 exclusive R&D laboratories and 10 centers of Research, but few of them were underutilized, because of the lack of Ph.D. Research scholars.
- Faculty/Student exchange programs at national & international level.

Institutional Opportunity :

- Close proximity to IITH, IIIT-H, BITS-Hyderabad, Central University (UoH), giving scope for Joint/Collaborative Research activities.
- Availability of Centers of Research Laboratories and exclusive Research Laboratories - scope for Interdisciplinary research and alternate income generation – Scope for introducing interdisciplinary programs.
- Scope to identify possible ways to extend the research to IPR as well as Incubations.
- Strong Alumni Association – a chance for industry offered courses in Curriculum enhancement and monetary support.

Institutional Challenge :

- Improving Strategic alliance with National and International R&D Labs, Institutions/Universities to get National/International recognition.
- To design and offer academic sandwich and twinning programs with foreign universities.
- Lucrative offers from industries to the graduating students, reducing the availability of students for postgraduate studies & research activities.
- Getting integrated courses to match the government initiatives like Make in India, Smart Cities, Skill development, Digital India, etc.

Criteria wise Summary

Curricular Aspects :

- The institution has designed its curriculum with the National goal of empowering people through education. The institute offers a wide range of UG & PG programs contributing to Science & Technology enabled development which is needed for the country. The courses offered are carefully designed keeping the current trends of National needs like Development of appropriate Technology, Entrepreneurial Skill Development etc.
- The Program Educational Objectives, Program Specific Outcome, and Course Outcome are designed in consonance with the graduate attributes of Washington Accord and NBA.
- VNRVJIET offers 21 academic programs. Nearly 70 % of the courses offered are revised to cater the needs of Society and Industry.

- 95% of the courses are focused on employability and skill development, while 5% of the courses are focused on entrepreneur development. In all, 252 courses have been introduced during the last 5 years. The institute follows Choice Based Credit System in all its academic programs.
- The students are given wide choice to choose electives, based on their aptitude, skill, and aspiration. The institute has introduced inclusive courses on human values & professional ethics, Environmental Science and gender equality which are offered in various programs.
- It is mandatory for all the students to take up value added courses, undertake Field Projects and Internships.
- The feedback received from the students and stakeholders are carefully analyzed, discussed and appropriate actions are initiated at various bodies including the Department Academic Committee, Academic Council, Governing Council etc.

Teaching-learning and Evaluation :

- The institution admits students on basis of rules & regulations of State Government of Telangana. The demand-ratio is 1:10. Seats are filled as per the reservation policy. Institution has 356 full time teachers on rolls, follows 1:15 STR for UG and 1:12 for PG. Sincere efforts are put to address the needs of slow learners, advanced learners and differently abled students.
- The institute has unique teaching-learning methodologies such as WIT & WIL, Story Board, POGIL, Experiential Learning, Blended Learning besides Shadow Engineering and Mirror Engineering. The institute has a Learning Management System and a good reservoir of e-learning materials. The excellent mentor-mentee system of the institute takes care of academic and stress related issues. Academic-Calendar and Teaching-plans are strictly followed and are audited regularly.
- 106 faculty are with Ph.D. qualification and a good number of faculty have an experience of more than 15 years. 42% of the faculty are women and 40% of teachers hail from other states.
- Institution has brought several reforms in the examination system which comprises of Continuous Formative Assessment and Summative Examinations conducted at the end of the semester. The system is fool-proof and transparent. Results are declared within two weeks from the date of last examination. The examination section is automated. Students are also educated on POs, PSOs, PEOs (also displayed in website). The institution systematically checks for attainment of outcomes and reviews the Teaching-Learning-strategies. On an average, 87% of students are graduated every year. Students provide feedback on all aspects of teaching-learning and corrective steps are taken wherever necessary.

Research, Innovations and Extension :

- VNRVJIET has an exclusive Research and Consultancy Centre and has well defined policy for promoting research, consultancy & IPR culture. Faculty are encouraged to actively involve in research and consultancy work to carry out societal impact and, interdisciplinary projects by providing seed money (Rs.42.1 lakhs) and incentives (Rs.4.3 lakhs).
- VNRVJIET has 3 Research centers recognized by JNTUH, 8 exclusive R&D laboratories, 10 Centers of Research. Nearly Rs.10 crores of funds are mobilized from Government and non-government sources. 10% of the faculty are recognized as research guides and 15 Ph.D.s are awarded.
- The institute has a strong eco system for innovation through technology and business incubator, VJHUB and has 10 startups incubated. Awareness programs on IPR are regularly conducted and 65 awards for innovations are bagged.
- VNRVJIET adheres to the code of ethics. Turnitin software is used to check plagiarism. About 998 research articles in Journals, 739 presentations in conference, 10 Patents, 500 Scopus indexed publications are the culmination of research efforts at VNRVJIET.
- During the assessment period an amount of Rs.326.22 lakhs is generated through consultancy. Corporate trainings are also periodically organized.
- Many extension and outreach programs are conducted in collaboration with industry, community and NGO's. All the Students spend quality time in city and nearby villages and sensitise people on many issues. 18 recognitions/awards have been received for the extension activities conducted by NSS and VNRSF.

- The institute has 107 collaborations and linkages with industries for internship, on-the-job training, project. The institute has 39 functional MoU's with institutions of national, international importance, foreign universities, industries and corporate houses.

Infrastructure and Learning Resources :

- VNRVJIET has adequate infrastructure facilities spread over 21.13 acres and in 55142 Sq.mts built up area. In all 120 laboratories, 75 classrooms, 17 tutorial rooms, 13 Seminar Halls and 1 Auditorium, caters to the needs of students. All the classrooms, seminar halls and many of the Laboratories are equipped with ICT facilities. Exclusive sports complex with indoor, outdoor, gymnasium, yoga center is spread over an area of 2,947 sqm.
- Rs.99.53 crores has been spent for infrastructure augmentation over the last 5 years. The average expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component is Rs. 44.67 crores.
- Library is fully automated with LIBSYS and remote access is provided to e-resources. Library has a good collection of rare books, 1800 International, 276 National journals, 1533 e-journals, e-books and databases. Rs.2.37 crores is spent for purchase of books and journals during the last five years.
- An E-learning centre with digital library is established with 5100 video lectures from IITs, MIT, University of Berkely, etc related to all Engineering subjects. Around 600 users utilize library facilities every day.
- State of art IT facilities exist, which includes 350 Mbps Internet Bandwidth, 2:1 Student Computer ratio, Media centre, recording rooms, Lecture capturing systems. Standard Operating Procedures for maintaining and utilizing facilities are in place. Proper upkeep of facilities is ensured.

Student Support and Progression :

- Institution puts in relentless efforts for the allround development of students. Student chapters of various professional societies like IEEE, IETE, ISTE, CSI, ICI, IEI, SAE, VSI, ASME, ISOI, actively organize Technical & Cultural Fests, Social activities, cocurricular activities.
- Adequate representation is given for students in all academic/administrative committees and students are involved in the decision making process.
- More than 43% of the students avail scholarships & freeships from Government as well as the institution. Guidance for competitive examination, softskills training, Mentoring, Remedial coaching programme, Bridge course, Finishing school, Yoga and meditation classes are initiatives for student all-round development. .
- Add-on Certificate courses are offered to all the students to enhance their skills and capabilities. Grievance-Redressal-Committee and Anti-Ragging-Committee and Internal complaints committee help the students to address the issues, if there are any.
- Institution has a good placement record and on an average 84% of the students are placed on campus. 11% of the students opt for higher education in prestigious institutions. Students who are appearing for the competitive examinations are all qualified.
- Well-furnished Student-Activity-Center (SAC), in a built up area 525.27 Sq.mt is established to encourage students in cultural activities. 255 awards/medals are won by the students in sports/cultural activities at national/international level. 132 sports/cultural activities/competitions are organized in the institution over the last five years.

Governance, Leadership and Management :

- VNRVJIET has a well structured governance system. The institution has Governing council, Academic Council and other bodies for taking policy decisions and strategic plan of actions.
- VNRVJIET has decentralized decision making process and believes in participatory governance. The decisions taken in various bodies are properly minuted and actions are initiated.
- The Strategic plan of the institution is inline with the institute vision, mission and goals. It is deployed and executed across all the activities. Periodical monitoring and quality measures display the adherence to the

plan.

- e-governance implemented in all aspects of administration.
- The Institution provides effective welfare measures to all staff. All statutory welfare measures are implemented. Rs.13.52crores amount is spent on welfare measures.
- On an average 36 Professional development/administrative training programs are organized by the institute every year for staff. About 46% of the faculty are provided with financial support for such programmes.
- Formal “Annual_Performance_Appraisal” for staff exists based on which increments and promotions are given.
- Institution conducts internal and external financial audits regularly and proper budgeting is done based on the plans and needs of departments and sections.
- IQAC has significantly contributed to sustain and enhance quality in all the aspects of the institution. On an average 12 quality initiatives are introduced by IQAC. AQAR submission, AAA are regularly done. NBA has accredited 4 PG and 7 UG programs.

Institutional Values and Best Practices :

- In all 45 Gender equity programs are conducted. Gender_Sensitization, Human_values_and_Professional_Ethics courses are part of curriculum.
- Infrastructure is developed to cater the needs of all genders and Divyangjan. Effective campus surveillance is done. The institute has a policy of zero tolerance towards discrimination on the basis of caste, gender, religion.
- 525KWp grid tied solar plant are in use in campus and 100KWp plant in hostels. 15%of annual lighting power is met by LED bulbs.
- TwinBin system is being used. Used papers,notebooks are collected,recycled and donated to Schools. STP of 150KL/day capacity is in use. E-waste bins are provided and are disposed for recycling.
- Rain water harvesting pits are provided for recharging the ground water. Institute provides Bicycles,Public_Transport,Pedestrian_Friendly_Roads. Plastic free campus and most of Intra-departmental communication is through Electronic_medium. The Institute has a canopy of trees and plants with 30%of green belt. 0.61% of total expenditure is spent on green initiatives.
- 79 initiatives are taken to address the locational_advantages,disadvantages and 215 initiatives are taken towards societal engagement. Institution celebrates national festivals, birth/death anniversaries of great Indian personalities. 68 activities are conducted to promote universal_values. Transparency is maintained in all activities related to finance,academics and administration.
- The institute emphasizes on moral code of conduct for students and staff.
- 2 Best_practices are Fusion of “Learner-centric “Pedagogy Methods to achieve Graduate Attributes and Societal Empowerment Through Student Projects.
- The institute philosophy- EPR, The Spectral Pyramid relating to allround grooming, is by itself a distinctive feature making the institute the most preferred in education sector.

Profile

BASIC INFORMATION

Name and Address of the College	
Name	Vallurupalli Nageswara Rao Vignana Jyothi Institute Of Engineering And Technology
Address	Vignana Jyothi Nagar, Pragathi Nagar, Nizampet (S.O), Bachupally (M), Medchal (Dist)

City	Hyderabad
State	Telangana
Pin	500090
Website	www.vnrvjiet.ac.in

Contacts for Communication

Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	C. D. Naidu	040-23041517	9391008138	040-23042761	principal@vnrvjiet.ac.in
IQAC Coordinator	Poonam Upadhyay	040-23041516	9885280851	040-23731555	iqac@vnrvjiet.in

Status of the Institution

Institution Status	Private
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Type of Institution

By Gender	Co-education
By Shift	Regular

Recognized Minority institution

If it is a recognized minority institution	No
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Establishment Details

Date of Establishment, Prior to the Grant of 'Autonomy'	18-05-1995
Date of grant of 'Autonomy' to the College by UGC	17-08-2012

University to which the college is affiliated

State	University name	Document
Telangana	Jawaharlal Nehru Technological University	View Document

Details of UGC recognition

Under Section	Date
2f of UGC	21-05-2010

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)

Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	View Document	10-04-2017	12	Every year AICTE issues Extension of Approval EOA
AICTE	View Document	10-04-2017	12	Every year AICTE issues Extension of Approval EOA

Recognitions

Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	Yes
If yes, date of recognition?	23-08-2016
Is the College recognized for its performance by any other governmental agency?	Yes
If yes, name of the agency	National Board of Accreditation NIRF by MHRD
Date of recognition	29-09-2016

Location and Area of Campus

Campus Type	Address	Location *	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	Vignana Jyothi Nagar, Pragathi Nagar, Nizampet (S.O), Bachupally (M), Medchal (Dist)	Urban	21.13	55142

ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BTech,Civil Engineering	48	Intermediate and EAMCET Rank State Level Entrance Test Conducted by State Council of Higher Education	English	120	120
UG	BTech,Electrical And Electronics	48	Intermediate and EAMCET Rank State Level Entrance	English	120	120

	Engineering		Test Conducted by State Council of Higher Education			
UG	BTech,Mechanical Engineering	48	Intermediate and EAMCET Rank State Level Entrance Test Conducted by State Council of Higher Education	English	120	120
UG	BTech,Electronics And Communication Engineering	48	Intermediate and EAMCET Rank State Level Entrance Test Conducted by State Council of Higher Education	English	240	240
UG	BTech,Computer Science And Engineering	48	Intermediate and EAMCET Rank State Level Entrance Test Conducted by State Council of Higher Education	English	240	240
UG	BTech,Electronics And Instrumentation Engineering	48	Intermediate and EAMCET Rank State Level Entrance Test Conducted by State Council of Higher Education	English	120	120
UG	BTech,Information Technology	48	Intermediate and EAMCET Rank State Level Entrance Test Conducted by State Council of Higher Education	English	180	180
UG	BTech,Automobile Engineering	48	Intermediate and EAMCET Rank State Level Entrance Test Conducted by State Council of Higher Education	English	60	54
PG	Mtech,Civil Engineering	24	AMIETE or B.Tech or B.e and GATE or PGECET Rank Allotted	English	18	18
PG	Mtech,Civil Engineering	24	AMIETE or B.Tech or B.E and GATE or PGECET Rank Allotted	English	18	18
PG	Mtech,Civil Engineering	24	AMIETE or B.Tech or B.E and GATE or PGECET Rank Allotted	English	18	18
PG	Mtech,Electrical And Electronics Engineering	24	AMIETE or B.Tech or B.E and GATE or PGECET Rank Allotted	English	18	9
PG	Mtech,Electrical And Electronics Engineering	24	AMIETE or B.Tech or B.E and GATE or PGECET Rank Allotted	English	18	10
PG	Mtech,Mechanical Engineering	24	AMIETE or B.Tech or B.E and GATE or PGECET Rank Allotted	English	18	12
PG	Mtech,Mechanical Engineering	24	AMIETE or B.Tech or B.E and GATE or PGECET Rank Allotted	English	18	18
PG	Mtech,Electronics	24	AMIETE or B.Tech or B.E	English	18	17

	And Communication Engineering		and GATE or PGECET Rank Allotted			
PG	Mtech,Electronics And Communication Engineering	24	AMIETE or B.Tech or B.E and GATE or PGECET Rank Allotted	English	18	18
PG	Mtech,Computer Science And Engineering	24	AMIETE or B.Tech or B.E and GATE or PGECET Rank Allotted	English	18	18
PG	Mtech,Computer Science And Engineering	24	AMIETE or B.Tech or B.E and GATE or PGECET Rank Allotted	English	18	14
PG	Mtech,Electronics And Instrumentation Engineering	24	AMIETE or B.Tech or B.E and GATE or PGECET Rank Allotted	English	18	6
PG	Mtech,Information Technology	24	AMIETE or B.Tech or B.E and GATE or PGECET Rank Allotted	English	18	9

Position Details of Faculty & Staff in the College

Teaching Faculty

	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	43				54				259			
Recruited	33	10	0	43	37	17	0	54	135	124	0	259
Yet to Recruit	0				0				0			

Non-Teaching Staff

	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				177
Recruited	137	40	0	177
Yet to Recruit				0

Technical Staff

	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0

Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				73
Recruited	58	15	0	73
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	33	10	0	22	10	0	17	14	0	106
M.Phil.	0	0	0	1	0	0	1	2	0	4
PG	0	0	0	14	7	0	117	108	0	246

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties				
Number of Visting/Guest Faculty engaged with the college?	Male	Female	Others	Total
	0	0	0	0

Provide the Following Details of Students Enrolled in the College During the Current Academic Year					
Programme	From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
PG	Male	140	23	0	163
	Female	110	13	0	123
	Others	0	0	0	0

UG	Male	2910	196	2	0	3108
	Female	1524	106	3	0	1633
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years

Programme		Year 1	Year 2	Year 3	Year 4
SC	Male	99	84	83	88
	Female	51	40	59	48
	Others	0	0	0	0
ST	Male	36	31	41	35
	Female	17	14	15	18
	Others	0	0	0	0
OBC	Male	302	301	291	289
	Female	148	135	153	146
	Others	0	0	0	0
General	Male	476	329	348	341
	Female	198	185	226	232
	Others	0	0	0	0
Others	Male	34	31	17	18
	Female	21	19	14	14
	Others	0	0	0	0
Total		1382	1169	1247	1229

EVALUATIVE REPORT OF THE DEPARTMENTS

Department Name	Upload Report
Automobile Engineering	View Document
Automobile Engineering	View Document
Civil Engineering	View Document
Civil Engineering	View Document
Computer Science And Engineering	View Document
Computer Science And Engineering	View Document
Electrical And Electronics Engineering	View Document
Electrical And Electronics Engineering	View Document
Electronics And Communication Engineering	View Document
Electronics And Communication Engineering	View Document
Electronics And Instrumentation Engineering	View Document
Electronics And Instrumentation Engineering	View Document
Information Technology	View Document
Information Technology	View Document
Mechanical Engineering	View Document
Mechanical Engineering	View Document

1. Curricular Aspects

1.1 Curriculum Design and Development

1.1.1 Curricula developed /adopted have relevance to the local/ national / regional/global developmental needs with learning objectives including program outcomes, program specific outcomes and course outcomes of all the program offered by the Institution

Answer:

- The primary objective of the institute is to create techno-managerial cadres who can engage effectively the emerging globalism and contribute to national development. The institute carefully designs courses keeping in mind the needs of the nation and the region. The institute has meticulously drawn the graduate attributes and designed the Program Educational Objectives (PEO). Keeping the PEOs as a base, the Program Outcomes (PO) and Program Specific Outcomes (PSO) are charted out. The objective is always to create a technical knowledge storehouse needed for Science and Technology-enabled development. The innovative curricular design architected by amalgamating teaching, research and outreach activities have led the institution to the present level of College with Potential for Excellence.
- Curricula of all the programs developed and adopted at VNRVJIET covers multiple facets of providing engineering knowledge, desirable attributes, professional ethics and relevant technical and non-technical skills. Along with these skills, it also encapsulates societal aspirations. To promote higher order thinking through analyzing, evaluating concepts, processes, procedures and principles in education the course outcomes are designed in line with the revised Bloom's Taxonomy.
- Through these attributes, specific needs with appropriate consideration for public health and safety, societal and environmental considerations, legal and cultural issues are met, providing sustainable solutions to the society and the overall development. The courses are developed to meet the stated PEOs, POs, PSOs of the program.
- Structured committees at the department level (BOS) and at the institute level (Academic Council) with domain experts from reputed organizations/industry formulate the syllabi for all the disciplines'. Student feedback through course end survey is considered for the updations during the revisions to the curricula.
- The institute autonomy provides Academic Flexibility to introduce new courses for overall development and up gradation to the current industry needs. The choice-based credit system adopted in the institute has given scope to the students to learn cross domain subjects/technologies and take up inter-disciplinary projectwork for the development of rounded personality.
- Apart from the technical courses related to each of the specific programs, few courses having social relevance that help in achieving the objectives like awareness of societal needs and problems and also in line with various initiatives Government of India, courses related to upcoming areas in the field of cyber space are listed below.

Courses in Curriculum	Linkage with Government of India's Initiatives
Environmental Studies	National River Conservation Plan
Environmental Engineering	National Afforestation Programme
Ground Water Management	
Gender Sensitization	Sabla / Swadhar
Disaster Management	National Disaster Management Plan
Earthquake Resistant Design of Buildings	
Professional Ethics and Human Values	National Anticorruption Strategy

Entrepreneurship Development	Startup India
Renewable Energy	
Energy Conservation Systems	Ujwal Bharat
Energy Auditing and Management	
Green IT	Environmentally Sustainable IT
Introduction to Analytics	
Data Mining	Big Data Initiative
Big Data Analytics	
Cyber Security	National Cyber Security Policy
	Cyber Swachhta Kendra

- Students are encouraged to actively participate in the Institute-Funded Projects in the areas of agriculture, bio-medical, security as a part of their final thesis. This gives them the platform to work towards the solutions for the societal problems.

Complete details are provided in additional information

File Description	Document
Any additional information	View Document

1.1.2 Percentage of programs where syllabus revision was carried out during the last five years

Answer: 100

1.1.2.1 How many programs were revised out of total number of programs offered during the last five years

Answer: 22

File Description	Document
Details of program syllabus revision in last 5 years	View Document
Minutes of relevant Academic Council/BOS meeting	View Document

1.1.3 Average percentage of courses having focus on employability/ entrepreneurship/ skill development

Answer: 100

1.1.3.1 Number of courses having focus on employability/ entrepreneurship/ skill development year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
781	799	781	631	462

File Description	Document
Program/ Curriculum/ Syllabus of the courses	View Document
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View Document

Average percentage of courses having focus on employability/ entrepreneurship

[View Document](#)

1.2 Academic Flexibility

1.2.1 Percentage of new courses introduced of the total number of courses across all programs offered during the last five years

Answer: 32.27

1.2.1.1 How many new courses are introduced within the last five years

Answer: 252

File Description	Document
Minutes of relevant Academic Council/BOS meetings	View Document
Institutional data in prescribed format	View Document

1.2.2 Percentage of programs in which Choice Based Credit System (CBCS)/Elective course system has been implemented

Answer: 100

1.2.2.1 Number of programs in which CBCS/ Elective course system implemented.

Answer: 21

File Description	Document
Institutional data in prescribed format	View Document
Minutes of relevant Academic Council/BOS meetings	View Document

1.3 Curriculum Enrichment

1.3.1 Institution integrates cross cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum

Answer:

Curriculum offered at the institute include courses that are diverse and cater to the cross cutting issues relevant to sustainable environment, gender equality, human values and professional ethics for addressing the economic, social and environmental challenges of globalisation.

The students of VNRVJIET are moulded as responsible Engineers by creating awareness and addressing the societal and generic needs. Along with a standardized learning plan, the curriculum is enriched by including the courses like Gender Sensitization, Environmental Studies, Energy Auditing, *etc.* This enriches the knowledge base of the student and improves the self-actualization and belongingness to the society. A sample of courses offered to the students for enhancing the knowledge in the above aspects are listed below.

Issues	Regulation	Course Name and Code	Offered to
Gender	R15	Gender Sensitization (5BS04)	II B.Tech. 2 Sem
Environment and Sustainability	R15	Environmental Studies (5CE03)	I B.Tech. 1 and 2 sem
	R15	Disaster Management (5CE71)	III B.Tech. 1 Sem
	R15	Renewable Energy Technologies (5EE71)	III B.Tech. 1 Sem
	R15	Air Pollution and Control Technology (5CE79)	III B.Tech. 1 Sem

Issues	Regulation	Course Name and Code	Offered to
	R15	Energy Auditing Conservation and Management (5EE72)	III B.Tech. 2 Sem
	R15	Environmental Impact Assessment (5CE84)	IV B.Tech. 2 Sem
	R13	Environmental Studies (13CED004)	I B.Tech. 2 Sem
	R13	Renewable Energy Sources (13EEE015)	III B.Tech. 2 Sem
	R13	Disaster Management (13CED037)	III B.Tech. 2 Sem
	R13	Non -Conventional Energy Sources (13MED020)	III B.Tech. 2 Sem
	R13	Industrial Waste & Waste Water Management (13CED036)	IV B.Tech. 1 Sem
	R13	Fuel Cell Technology (13AED013)	IV B.Tech. 1 Sem
	R13	Energy Auditing, Conservation and Management (13EEE031)	IV B.Tech. 2 Sem
	R13	Alternate Fuels for Automobiles (13AED015)	IV B.Tech. 2 Sem
	R13	Automotive Pollution and Control (13AED016)	IV B.Tech. 2 Sem
	R12	Environmental Studies (CED1105)	II B.Tech. 1 Sem
	R12	Environmental Engineering Lab (CED1211)	IV B.Tech. 1 Sem
	R12	Air Pollution & Control (CED1138)	IV B.Tech. 1 Sem
	R12	Industrial Waste & Waste Water Management (CED1139)	IV B.Tech. 1 Sem
	R12	Renewable Energy Sources (EEE1127)	IV B.Tech. 1 Sem
	R12	Disaster Management (CED1147)	IV B.Tech. 1 Sem
Human Values and Professional Ethics	R15	Code of Ethics (5CS11)	I B.Tech. 2 sem
	R15	Professional Ethics and Human Values (5BS71)	III B.Tech. 1 sem
	R13	Code of Ethics (13CSE032)	I B.Tech. 2 Sem
	R12	Human Values & Professional Ethics (NCC1101)	II B.Tech. 1 Sem
	R12	Soft Skills and Personality Development (NCC1102)	III B.Tech. 1 Sem

Apart from the above, Institute has a Centre of Excellence for Disaster Management which offers and conducts various awareness workshops and seminars from time to time.

Few courses offered in the curriculum are developed to cater to the needs of security and sustainable environment like Green IT, Cyber Security, Big Data Analytics etc.

Institute conducts seminars/guest lectures/awareness programmes inculcating human values and moral ethics into students. Few of them are listed below.

- Blood donation camp
- Tree plantation
- Swachh Bharat
- Motivation lectures
- Save Trees
- World Environment Day
- Teachers Day
- Professional Ethics for Engineers

File Description	Document
Upload the list and description of the courses which address the Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum	View Document
Any additional information	View Document

1.3.2 Number of value-added courses imparting transferable and life skills offered during the last five years

Answer: 130

1.3.2.1 How many new value-added courses are added within the last 5 years

Answer: 130

File Description	Document
Any additional information	View Document
Brochure or any other document relating to value added courses	View Document
List of value added courses	View Document

1.3.3 Average percentage of students enrolled in the courses under 1.3.2 above

Answer: 75.16

1.3.3.1 Number of students enrolled in value-added courses imparting transferable and life skills offered year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
4783	4110	2912	3301	1289

File Description	Document
List of students enrolled	View Document

1.3.4 Percentage of students undertaking field projects / internships

Answer: 51.98

1.3.4.1 Number of students undertaking field projects or internships

Answer: 2613

File Description	Document
List of programs and number of students undertaking field projects / internships	View Document

1.4 Feedback System

1.4.1 Structured feedback received from 1) Students, 2) Teachers, 3) Employers, 4) Alumni 5) Parents for design and review of syllabus Semester wise /year wise

Answer: A. Any 4 of above

File Description	Document
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View Document
URL for stakeholder feedback report	View Document

1.4.2 Feedback processes of the institution may be classified as follows:

Answer: A. Feedback collected, analysed and action taken and feedback available on website

File Description	Document
Any additional information	View Document
URL for feedback report	View Document

2. Teaching-learning and Evaluation

2.1 Student Enrolment and Profile

2.1.1 Average percentage of students from other States and Countries during the last five years

Answer: 1.54

2.1.1.1 Number of students from other states and countries year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
227	118	18	0	0

File Description	Document
List of students (other states and countries)	View Document
Any additional information	View Document
Institutional data in prescribed format	View Document

2.1.2 Demand Ratio(Average of last five years)

Answer: 9.84

2.1.2.1 Number of seats available year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
324	400	405	358	293

File Description	Document
Any additional information	View Document
Demand Ratio (Average of Last five years)	View Document

2.1.3 Average percentage of seats filled against seats reserved for various categories as per applicable reservation policy during the last five years

Answer: 95.72

2.1.3.1 Number of actual students admitted from the reserved categories year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
713	861	913	832	656

File Description	Document
Any additional information	View Document
Average percentage of seats filled against seats reserved	View Document

2.2 Catering to Student Diversity

2.2.1 *The institution assesses the learning levels of the students, after admission and organises special programs for advanced learners and slow learners*

Answer:

Diagnosing learners' abilities:

- Diagnostic test is conducted in Mathematics, Physics, Chemistry, English and C programming. Based on the performance in these tests, students abilities are identified.
- A structured Mentoring and Training Programme is in place. Every student is provided with a faculty mentor and the scheduled interactions are recoded in a well- designed MTP book. During the course of interaction, the SWOC (Strengths Weakness, Oppurtunities, Challenges) analysis is recorded. Based on the interactions, SWOC and regular performance, students abilities are identified and necessary counseling, training are provided to cater the needs of slow and advanced learners.
- Subject experts and class in-charges through classroom interaction and counselling classes, identifies the strengths and weakness of individual students. In addition the HODs with the help of Mentors identify students who are slow learners and having backlogs.

Catering the needs of advanced Learners:

- Advanced learners are exposed to new technologies after class hours, by encouraging them to participate in the research activities in RCC of the institution, Week-end projects lab.
- Students are guided to take up additional courses viz. NPTEL courses, MOOCs, ORACLE certification, Microsoft certification, Pegasystems certification, learn Tools like R Lab, MATLAB, Android OS, PSCAD, Mi-Power, PSPICE, CAD/CAM.
- Also the advance learners are provided with training in Programming through Being Zero, Internships in AMD, Amazon, Mroads, Siemens, HBL, BHEL, TCS, DRDO, NRSA, GGK Technologies, Hondai Mobis etc.
- Advanced learners are encouraged to participate in Special training programs which are offered to Faculty.
- Students are send to participate in ACM-ICPC, Smart India Hackathon, CodeChef and other Coding contests, National and International Paper Presentations

Catering the needs of slow Learners:

- Bridge courses in Programming, Mathematics, and English Communication Skills are conducted for Lateral Entry students to bridge the gap between the Diploma program and Undergraduate program. This provides confidence among Lateral Entry students to be on par with the regular students.
- The soft and communication skills are given special emphasis for the students from the rural background by M-Learning. A special in-house mobile app developed for this purpose.
- Such students are provided with the remedial classes and peer tutorials by senior subject experts, to overcome their difficulties in that specific course.
- Think-Pair-Share, POGIL teaching methodologies are used to enhance the learning abilities of students.

- The VNRVJIET FINISHING SCHOOL provides a meticulously planned systematic approach distributed across all semesters to build the foundation and sharpen the skills of the slow learners.

The complete methodology followed in the institution helps in encouraging the slow learner to become an advanced learner and prepare an advance learner to reach the highest opportunities.

File Description	Document
link for additional information	View Document

2.2.2 Student - Full time teacher ratio

Answer: 14.12

File Description	Document
Any additional information	View Document
Institutional data in prescribed format	View Document

2.2.3 Percentage of differently abled students (Divyangjan) on rolls

Answer: 0.66

2.2.3.1 Number of differently abled students on rolls

Answer: 33

File Description	Document
Institutional data in prescribed format	View Document
Any other document submitted by the Institution to a Government agency giving this information	View Document
Any additional information	View Document
List of students(differently abled)	View Document

2.3 Teaching- learning Process

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

Answer:

The teaching-learning process is one of the major objective and strength of our institution. VNRVJIET focuses on learner-centric approaches in the delivery of curriculum for the all-round development of students. Vibrant teaching-learning process, mostly learner-centric is used viz. WIT & WIL™, Storyboard, VNR Lab Protocol™, Process Oriented Guided Inquiry Learning (POGIL), Learning by Doing, Think-Pair-Share, Course Based Projects, Field visit / Guest lecture, Certificate courses, Project Based Learning. The institution has initiated many novel methodologies and techniques in teaching learning as its differentiators.

Experiential Learning Methodologies followed in Institution

- **Learning by doing**
- **VNR Lab Protocol (™)**
- **Storyboard**
- **Engineer-in-Mirror**
- **Shadow Engineering**
- **Internships/Industry Oriented Mini projects:**

Participative Learning Methodologies followed in Institution

- **Process Oriented Guided Inquiry Learning (POGIL)**
- **WIT & WIL**
- **Flipped classroom & Blended learning**
- **SHOW AND TELL**
- **Open House**

Problem Solving Methodologies followed in Institution

- **Think Pair Share**
- **Course-Based Projects**
- **Project Based Learning**

Every faculty of the institution uses one or the other Student-centric methods and lot of E-content are developed. IQAC and Academic Audit cell keeps track on the Student-centric methods followed by each faculty. Journal and conference papers are published on WIT & WIL™ and POGIL. **VNR Lab Protocol (™), Storyboard, Engineer-in-Mirror, Shadow Engineering, WIT & WIL™, SHOW AND TELL, Open House, Course Based Projects, Project Based Learning** are the unique Student-centric methods which are named as “**VNRVJIE T Differentiators**”. All these unique methods are successful and evident through the students' feedback.

Details of each Student Centric method is provided in the Additional information

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.3.2 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc.

Answer: 96.91

2.3.2.1 Number of teachers using ICT

Answer: 345

File Description	Document
List of teachers (using ICT for teaching)	View Document
Provide link for webpage describing the " LMS/ Academic management system"	View Document

2.3.3 Ratio of students to mentor for academic and stress related issues

Answer: 14.12

2.3.3.1 Number of mentors

Answer: 356

File Description	Document
Year wise list of number of students, full time teachers and mentor/mentee ratio	View Document

2.3.4 Preparation and adherence to Academic Calendar and Teaching plans by the institution**Answer:****Academic Calendar:**

Institute Academic Committee (IAC) collects the plan of action from Department and Section heads. The inputs collected are put forth in the Academic Committee. The section along with Principal and Deans collectively prepares the Academic calendar. The calendar is made available to the students before the commencement of classwork. The academic calendar is displayed on all the department notice boards, and is made available on the website through <http://vnrvjiet.ac.in/bac.php> and <http://vnrvjiet.ac.in/mac.php>. The academic activities within the institution are strictly adhering to the calendar events. In adverse cases to deviate from the academic plan, approval of IAC should be taken. All the examinations are being conducted as per the Academic Calendar.

Teaching Plans:

Every faculty prepares the Academic (Teaching) plan in the prescribed format before the commencement of the classwork every semester. The academic plan structure is prepared to adhere the needs of Outcome Based Education Prescribed by National Board of Accreditation (NBA). The contents of the plan include:

- Course prerequisites
- Course objectives and outcomes
- Mapping of course outcomes with program outcomes
- Learning resources
- Delivery methodologies – LBD, WIT&WIL, POGIL etc..
- Assessment methods
- Detailed unit wise lecture plan
- Assignment and tutorial questions
- Model question paper
- Link to the video lectures
- Additional information over and above the curriculum

The copies of the same are maintained in the department and also in the Academic section. The web link for the teaching plan is available at <http://vnrvjiet.ac.in/ap.php>. Adherence to the academic plan is followed by the faculty and details are recorded in the Attendance and Evaluation Record. Head of the Departments and Academic Audit Cell will audit the Academic plans of each faculty. These audit reports are submitted to the Head of the departments for necessary follow up action.

2.4 Teacher Profile and Quality**2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years****Answer:** 100

File Description	Document
List of the faculty members authenticated by the Head of HEI	View Document
Any additional information	View Document
Year wise full time teachers and sanctioned posts for 5 years	View Document

2.4.2 Average percentage of full time teachers with Ph.D. during the last five years

Answer: 19.51

2.4.2.1 Number of full time teachers with Ph.D. year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
105	66	47	41	33

File Description	Document
List of number of full time teachers with PhD and number of full time teachers for 5 years	View Document
Any additional information	View Document

2.4.3 Teaching experience of full time teachers in number of years

Answer: 10.52

2.4.3.1 Total experience of full-time teachers

Answer: 3745.7

File Description	Document
List of Teachers including their PAN, designation,dept and experience details	View Document

2.4.4 Average percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years

Answer: 13.54

2.4.4.1 Number of full time teachers receiving awards from state /national /international level from Government recognised bodies year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
95	54	19	17	24

File Description	Document
Institutional data in prescribed format	View Document
e-copies of award letters (scanned or soft copy)	View Document

2.4.5 Average percentage of full time teachers from other States against sanctioned posts during the last five years

Answer: 40.09

2.4.5.1 Number of full time teachers from other states year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
182	134	106	85	83

File Description	Document
List of full time teachers from other state and state from which qualifying degree was obtained	View Document

2.5 Evaluation Process and Reforms

2.5.1 Average number of days from the date of last semester-end/ year- end examination till the declaration of results during the last five years

Answer: 14.8

2.5.1.1 Number of days from the date of last semester-end/ year- end examination till the declaration of results year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
13	14	16	16	15

File Description	Document
List of programs and date of last semester and date of declaration of result	View Document

2.5.2 Average percentage of student complaints/grievances about evaluation against total number appeared in the examinations during the last five years

Answer: 0.05

2.5.2.1 Number of complaints/grievances about evaluation year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
6	0	2	2	0

File Description	Document
Number of complaints and total number of students appeared year wise	View Document

2.5.3 Average percentage of applications for revaluation leading to change in marks

Answer: 18.5

2.5.3.1 Number of applications for revaluation leading to change in marks year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
107	62	37	27	18

File Description	Document
Year wise number of applications, students and revaluation cases	View Document

2.5.4 Positive impact of reforms on the examination procedures and processes including IT integration and continuous internal assessment on the examination management system

Answer:

Reforms on the Examination Procedures and Processes

- The Institute follows semester system for both B.Tech and M. Tech programs and the performance of a student in each semester shall be evaluated subject wise with a maximum of 100 marks for theory and 100 marks for the practical subjects. In addition to the theory and practical subjects, an industry oriented mini – project, seminar, comprehensive viva-voce and project work will have a weightage of 50, 50, 50 and 200 marks respectively.
- A candidate shall be deemed to have secured the minimum academic requirement in a subject if he/she secures a minimum of 35% of marks in the end semester examination and a minimum aggregate of 40% of the total for the B.Tech Program and 40% and 50% respectively for the M.Tech. Program.
- The B. Tech student has to earn 192 credits (apart from the non- credit courses) and an M. Tech student has to earn 84 credits to satisfy the minimum academic requirement to obtain the degree. Marks obtained in all the credits are considered for the calculation of CGPA.
 - The Challenge evaluation system and showing the evaluated answer script to the student are the measures taken as a part of the transparency in the evaluation system.
 - Strict adherence to the Institute academic calendar and timely publication of results.
 - Question paper is thoroughly scrutinized to ensure the standard, spread of the syllabus and mapping of COs and following BLOOMS taxonomy.
 - For engineering drawing and machine drawing practice and examinations the Institute is using Auto cad.
 - Some of the teachers are conducting online assignment tests as a part of the internal assessment.

Processes Integrating IT

- Examination Management System (EMS) services are available to integrate all the activities in the examination branch. The pre and post examination activities are integrated, starting with examination notification.
- Payment gateway is also available for the payment of various fees online by the students to make the registrations online for various services.
- The EMS is enabling the student to download the hall tickets and results online .
- Complete automation of examination process helps in the successful execution of examination processes such as monitoring of examination fee payment, examination schedule, seating arrangement, attendance monitoring, coding and decoding of scripts, marks data entry, preparation of programme wise results.

Continuous internal assessment system

- Continuous internal assessment is done through conducting various tests from time to time.
- Two theory mid semester exams, two assignment tests and a mid-practical exam are conducted for each paper of the subject in each semester for B. Tech & M. Tech Programs.
- Seminars, group discussions, show and tell and quizzes etc. activities are also conducted.
- The Assignment test marks of the student are uploaded in database with EMS software and the physical copies of the marks lists along with the mid semester answer scripts are submitted to the exam branch for further scrutiny and storage.
- The institute has changed student evaluation system from Percentages to Grading system.

Detailed report is given in additional Information.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.5.5 Status of automation of Examination division along with approved Examination Manual

Answer: A. 100% automation of entire division & implementation of Examination Management System (EMS)

File Description	Document
Current manual of examination automation system and Annual reports of examination including the present status of automation	View Document
Current Manual of examination automation system	View Document
Annual reports of examination including the present status of automation	View Document

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 on website and communicated to teachers and students

Answer:

Outcome Based Education (OBE) is implemented in this Institute since 2012 as OBE give emphasis on what is expected from the student when they finish their course. In line with OBE Program Specific Outcomes (PSOs), Program Outcomes (POs) and Course Outcomes (COs) are evolved. This OBE is mandatory in all regulation bodies like NBA and NAAC etc. OBE provides/helps the student to achieve the outcomes of significance before leaving the Institute.

Every department establishes the Program Specific Outcomes (PSOs), Program Outcomes (POs) in consistent with the Graduate Attributes mandated by NBA and PEOs of the programme by considering the inputs from faculty and alumni in cognizance of latest technology demand, job prospects and societal requirements.

Program Specific Outcomes (PSOs)/Program Outcomes (POs) exhibits what students are expected to do or learn by the time of their graduation. These are evolved through consultation process with the stake holders keeping these Graduate attributes as basis.

Course outcomes are direct statements that describe the essential and enduring disciplinary knowledge and abilities that students should possess and the depth of learning that is expected upon completion of a course.

The Mechanism of Communication of Program Outcomes (POs), Program Specific Outcomes (PSOs) for Program is disseminated through various channels as listed below:

The POs/PSOs of the programme are published through electronic media at:

- o Department website [http:// www.vnrvjiet.ac.in/dept](http://www.vnrvjiet.ac.in/dept) name

The PEOs of the programme are published through print media in:

- o Syllabus books
- o Department Brochure

The POs/PSOs of the programme are displayed in the Institute and Department Premises like:

Program specific class rooms

Program specific laboratories

Department Notice Boards

The POs/PSOs of the programme are disseminated to all the stakeholders of the program through

- o Faculty meeting
- o Student induction programme
- o Alumni meetings
- o Parents meetings
- o Employer meetings
- o Professional Body meetings

Whereas the Course Outcomes of the program are printed in syllabus books and the same is published through electronic media in college website.

File Description	Document
Any additional information	View Document
COs for all courses (exemplars from Glossary)	View Document
Link for Additional Information	View Document

2.6.2 Attainment of program outcomes, program specific outcomes and course outcomes are evaluated by the institution

Answer:

The Program Outcomes (POs) / Program Specific Outcomes (PSOs) are the qualities that must be imbibed in the graduates by the time of completion of their program.

At the end of each program, the PO/PSO assessment is done from the CO attainment of all curriculum components. The PSOs are framed recently based on latest NBA guidelines.

Each course has defined set of course outcomes and corresponding evaluation criteria. The course outcomes are mapped to the program outcomes which are used to provide the quantitative measurement of how well the program outcomes are achieved.

In each course, the level of attainment of each CO is compared with the predefined targets, if is not the course coordinator takes necessary steps for the improvement to reach the target.

With the help of CO against PO/PSO mapping, the PO/PSO attainment is calculated by the programme coordinator.

PO Attainment for 2012-2016 Graduated Batch for each programme is given below:

POs	PO-a	PO-b	PO-c	PO-d	PO-e	PO-f	PO-g	PO-h	PO-i	PO-j	PO-k	PO-l
CE												
DA	71.23	71.05	70.58	70.28	69.25	70.77	68.85	72.38	72.87	72.02	70.09	72.41
IA	76.42	77.11	77.17	76.99	76.42	76.85	75.81	77.13	76.21	76.86	75.50	77.15
FA	73.82	74.08	73.87	73.63	72.84	73.81	72.33	74.76	74.54	74.44	72.80	74.78
EEE												
DA	78	78	77	78	78	76	78	79	80	79	81	80
IA	83	84	85	83	84	81	84	81	83	82	84	85
FA	80.72	81.19	80.84	80.31	81.12	78.74	80.75	80.25	81.46	80.59	82.84	82.49
ECE												
DA	85.96	86.36	85.55	85.90	85.72	85.58	86.19	83.76	84.07	85.71	86.12	85.90
IA	84.40	83.58	84.05	83.43	84.03	84.05	83.83	83.33	82.89	84.04	84.25	84.07
FA	85.18	84.97	84.80	84.66	84.87	84.81	85.01	83.54	83.48	84.87	85.19	84.98
EIE												
DA	78	81	77	77	79	78	78	78	78	83	71	78
IA	86	87	86	85	86	86	86	86	85	89	79	85
FA	82	84	81.5	81	82.5	82	82	82	81.5	86	75	81.5
CSE												
DA	83.78	83.16	83.25	83.33	84.54	82.99	82.81	83.81	83.93	84.37	83.25	84.46
IA	82.25	80.23	82.18	82.35	68.50	82.33	76.08	81.30	84.33	84.60	80.00	78.00
FA	83.39	82.43	82.98	83.09	80.53	82.82	81.12	83.18	84.03	84.43	82.44	82.84
IT												
DA	85	84	84	84	86	84	84	88	85	85	85	86
IA	84.2	83	81.9	85	82.1	81.7	82.1	82.7	81.3	80.6	80.7	81.3
FA	85.17	84.16	83.92	83.84	84.89	83.56	83.78	86.54	84.53	84.36	84.42	85.06
AE												
DA	67	67	68	66	66	68	70	68	65	71	71	
IA	86	86	84	86	84	84	87	84	87	85	85	
FA	76.71	76.92	76.02	75.90	75.02	75.64	78.44	76.35	75.98	77.99	78.01	
Mechanical Engineering												
DA	81.4	80.8	80.2	80.6	81.2	78.3	80.4	81.6	80.6	81.7	83.7	78.6
IA	77	76.8	76.8	77.2	78.4	74.9	74.9	79	80	81.5	79	78

FA	79.2	78.8	78.5	78.9	79.8	76.6	77.7	80.3	80.5	81.6	81.1	78.3
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Note:

Direct Assessment- DA

Indirect Assessment- IA

Final Assessment- FA

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.6.3 Average pass percentage of Students

Answer: 87.04

2.6.3.1 Total number of final year students who passed the university examination

Answer: 1108

2.6.3.2 Total number of final year students who appeared for the examination

Answer: 1273

File Description	Document
List of programs and number of students passed and appeared in the final year examination	View Document
Any additional information	View Document
Link for annual report	View Document

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Answer:

File Description	Document
Database of all currently enrolled students	View Document

3. Research, Innovations and Extension

3.1 Promotion of Research and Facilities

3.1.1 The institution has a well defined policy for promotion of research and the same is uploaded on the institutional website

Answer: Yes

File Description	Document
Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View Document

URL of Policy document on promotion of research uploaded on website	View Document
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3.1.2 The institution provides seed money to its teachers for research (average per year)

Answer: 8.42

3.1.2.1 The amount of seed money provided by institution to its faculty year wise during the last five years(INR in lakhs)

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
12.24	6.19	7.44	14.27	1.96

File Description	Document
Any additional information	View Document
Minutes of the relevant bodies of the Institution	View Document
List of teachers receiving grant and details of grant received	View Document

3.1.3 Number of teachers awarded international fellowship for advanced studies/ research during the last five years

Answer: 20

3.1.3.1 The number of teachers awarded international fellowship for advanced studies / research year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
5	4	4	3	4

File Description	Document
e-copies of the award letters of the teachers.	View Document
List of teachers and their international fellowship details	View Document

3.1.4 Institution has the following facilities

1. Central Instrumentation Centre
2. Animal House/Green House / Museum
3. Central Fabrication facility
4. Media laboratory/Business Lab/Studios
5. Research / Statistical Databases

Answer: A. Any four facilities exist

File Description	Document
Any additional information	View Document
Link to videos and photographs geotagged	View Document

3.2 Resource Mobilization for Research

3.2.1 Grants for research projects sponsored by the government/non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution during the last five years(INR in lakhs)

Answer: 23.24

3.2.1.1 Total Grants for research projects sponsored by the government/non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year wise during the last five years(INR in lakhs)

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
1.24	1.2	1.1	2.7	17

File Description	Document
e-copies of the grant award letters for research projects sponsored by non-government	View Document
List of project and grant details	View Document

3.2.2 Number of research centres recognised by University and National/ International Bodies

Answer: 6

3.2.2.1 Number of research centres recognised by University and National/ International Bodies

Answer: 6

File Description	Document
Names of research centres	View Document
Any additional information	View Document

3.2.3 Percentage of teachers recognised as research guides

Answer: 9.27

3.2.3.1 Number of teachers recognised as research guides

Answer: 33

File Description	Document
Details of teachers recognized as research guide	View Document
Any additional information	View Document

3.2.4 Average number of research projects per teacher funded by government and non-government agencies during the last five years

Answer: 0.11

3.2.4.1 Number of research projects funded by government and non-government agencies during the last five years

Answer: 54

File Description	Document
List of research projects and funding details	View Document
Supporting document from Funding Agency	View Document
link to funding agency website	View Document

3.3 Innovation Ecosystem

3.3.1 Institution has created an eco system for innovations including Incubation centre and other initiatives for creation and transfer of knowledge

Answer:

The institution has created an eco-system for innovations by setting up ED Cell, VJ Hub and weekend labs for creation and transfer of knowledge. VNRVJIET ED Cell has come into existence from August 2006. It is nurtured with additional inputs like regular class work by internal faculty, guest lectures, e- Talks by entrepreneurs, idea generation workshops and seminars. VNRVJIET has obtained permission to undertake EDC Project from 2011-2012 with AICTE funds for a period of 3 years.

- The institute has developed a strong ecosystem for innovation and incubation activities. It all starts with an encouragement where students and faculty have an excellent opportunity to share their ideas as part of the “Big Idea Competition”. The selected ideas which are feasible to implement and have commercial advantage get shortlisted.
- The institute has a “Design Centre” where the ideas get further elaborated by framing a problem understanding the customer requirements, brainstorming and identifying a set of solutions and finally narrowing down to a solution.
- As a next step towards realizing these ideas into prototypes and commercialize products, the institute has multiple channels. The first channel is MSME, the institute has an in-house MSME certified business incubation program. Through this program, the institute facilitates funding for the initial prototype development of the idea. As of today, there are 10 projects which are in progress.
- The second channel is instituted by own Incubation Centre – Vignana Jyothi Foundation for Entrepreneurial Excellence, a Section 8 registered company with a branding name of VJHUB. The incubation center has a primary objective to facilitate incubation of new start-up’s / enterprises with innovative technologies based on academic and industry research. VJHUB provides infrastructure, technical, product engineering, networking support, seed capital and other services for the start-up’s to be successful and be independent. The startups can be hosted for a period of 1 to 3 years.
- In the process of conceptualization, solution identification and the realization, the IPR Cell of the institution sees scope for IP creation. The Institute strongly encourages IP creation and it laid out a well-defined IP policy for commercializing the IP either through (a) Technology licensing or (b) Incubation through institutes incubation center. 10 Patents are published in the assessment period and faculty are encouraged by bearing the processing fees.
- The Institute encourages the students to realize their Idea in Student Design & Experimental Learning Center/Weekend Projects Lab, where the students can work/research on an idea. The Idea Lab also provides the opportunity to the students to ask questions in different areas of knowledge. It will equip them with the ability to think, concretize the idea, design research study, work on it and report the findings. This center is established to provide assistance to students to buy the raw material for their real-time projects.
-

File Description	Document
link for additional information	View Document

3.3.2 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry - Academia Innovative practices during the last five years

Answer: 60

3.3.2.1 Total number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
11	11	10	14	14

File Description	Document
List of workshops/seminars during the last 5 years	View Document
Report of the event	View Document

3.3.3 Number of awards for innovation won by institution/ teachers/ research scholars/students during the last five years

Answer: 62

3.3.3.1 Total number of awards for innovation won by institution/teachers/research scholars/students year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
15	25	10	2	10

File Description	Document
List of innovation and award details	View Document
e- copies of award letters	View Document

3.3.4 Number of start-ups incubated on campus during the last five years

Answer: 10

3.3.4.1 Total number of start-ups incubated on campus year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
4	3	1	1	1

File Description	Document
Contact details of the promoters for information	View Document
e- sanction order of the Institution for the start ups on campus	View Document
List of startups details like name of startup, nature, year of commencement etc	View Document

3.4 Research Publications and Awards

3.4.1 The institution has a stated Code of Ethics to check malpractices and plagiarism in Research

Answer: Yes

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

3.4.2 The institution provides incentives to teachers who receive state, national and international recognition/awards

Answer: Yes

File Description	Document
List of Awardees and Award details	View Document
e- copies of the letters of awards	View Document

3.4.3 Number of Patents published/awarded during the last five years

Answer: 10

3.4.3.1 Total number of Patents published/awarded year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
3	2	0	0	5

File Description	Document
List of patents and year it was awarded	View Document
Any additional information	View Document

3.4.4 Number of Ph.D.s awarded per teacher during the last five years

Answer: 0.45

3.4.4.1 How many Ph.Ds are awarded within last 5 years

Answer: 15

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	View Document
URL to the research page on HEI web site	View Document

3.4.5 Number of research papers per teacher in the Journals notified on UGC website during the last five years

Answer: 0.68

3.4.5.1 Number of research papers in the Journals notified on UGC website during the last five years

Answer:

2016-17 2015-16 2014-15 2013-14 2012-13
239 252 243 149 115

File Description	Document
List of research papers by title, author, department, name and year of publication	View Document

3.4.6 Number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings per teacher during the last five years

Answer: 0.51

3.4.6.1 Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings year wise during the last five years

Answer:

2016-17 2015-16 2014-15 2013-14 2012-13
172 196 146 123 102

File Description	Document
List books and chapters in edited volumes / books published	View Document

3.4.7 Bibliometrics of the publications during the last five years based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Answer: 0.97

3.4.7.1 Total number of citations received by publications in the last 5 years, which are included in online databases such as SCOPUS, web of science or PubMed/ Indian Citation Index

Answer: 486

File Description	Document
Any additional information	View Document
BiblioMetrics of the publications during the last five years	View Document

3.4.8 Bibliometrics of the publications during the last five years based on Scopus/ Web of Science - h-index of the Institution

Answer: 7.05

3.4.8.1 Number of citations received by individual research publications in the last 5 years

Answer: 289

3.4.8.2 Number of publications receiving proportionately maximum number of citation in the last five years

Answer: 41

File Description	Document
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View Document
Any additional information	View Document

3.5 Consultancy

3.5.1 Institution has a policy on consultancy including revenue sharing between the institution and the individual

Answer: Yes

File Description	Document
Minutes of the Governing Council/ Syndicate/Board of Management related to Consultancy policy	View Document
Soft copy of the Consultancy Policy	View Document
URL of the consultancy policy document	View Document

3.5.2 Revenue generated from consultancy during the last five years

Answer: 326.22

3.5.2.1 Total amount generated from consultancy year wise during the last five years (INR in lakhs)

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
87.33	79.88	73.92	57.15	27.94

File Description	Document
Audited statements of accounts indicating the revenue generated through consultancy	View Document
List of consultants and revenue generated by them	View Document

3.5.3 Revenue generated from corporate training by the institution during the last five years

Answer: 6.96

3.5.3.1 Total amount generated from corporate training by the institution year wise during the last five years (INR in lakhs)

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
0.585	1.278	1.907	1.777	1.411

File Description	Document
List of teacher consultants and revenue generated by them	View Document
Audited statements of account indicating the revenue generated through training	View Document

3.6 Extension Activities

3.6.1 Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years

Answer:

Service to mankind is service to god. Imparting such values and attitude to students is the motive of the institution. Believing in this, the institute carries out a number of extension activities in the neighbourhood community. The college has two NSS units with 200 dedicated student volunteers and VNR Student Force

(VNRSF)- NGO of the institution, concentrates on the welfare of the neighbourhood community and sensitizes their social problems and takes necessary steps for the betterment of the society.

These social outreach programmes brought a great impact on the holistic development of the students as they come across different categories of the people and their living standards. Every year during Independence day and Republic day, the NSS students coordinate with the other clubs of the institute to demonstrate on a current social problem through parades, rallies.

Following Extension activities are conducted in the neighbourhood community during the accreditation period:

ACTIVITY
Swatch Bharath
Nutrition and Hygiene Pamphlets on nutritional food are distributed. They are given demo of various products for general and menstrual hygiene
Rainwater harvesting
Medical camp After the survey in the village, joint pains and body pains are identified as the major problems. Medical camp with orthopaedic doctors is arranged and medicines are distributed.
Career guidance and Goal setting Govt. High school children are given career guidance by distributing booklets containing the information about the colleges and courses offered and examinations they have to write after 10th class for admission into various colleges
Blood donation camps
Donations to the flood-hit areas in the form of kind and creed
Anti-drug campaign
Adult and child education
Digitalization Campaign and training on cashless transactions is done in and out of college area
Tree plantation 200 useful trees like neem and other shade trees are planted
Awareness on Dowry Competitions like essay writing, debate elocutions are organized
Plastic pollution An awareness campaign on the ill effects of plastic usage and plastic waste is done
RTI A stall is kept with posters and placards with all examples of what is RTA i.e Right to Act
Women entrepreneurship A one day workshop on self-financed small scale industries for women is organized in Manthur village
Beti Bacho Beti pado
Awareness on Suicides
Awareness on Traffic rules
Gender Sensitization
Farmicide

In villages like Manthur and Reddypalli various resilient methods of cultivation are adopted
Saradhi
The team of diligent and socio-engineers handling contemporary societal problems and carry out response evoking activities.
Ideal
Collection of used text books, note books etc... and Recycling the used books and donating in it the neighbouring schools
Mythri
Fundraising for underprivileged and needy.
Abhyas
Students teaching 8th and 9th High School children on ethics and career guidance
Clay Ganesha Idol
Distribution of clay Ganesh during the festival
Jagruthi
Awareness on Cultural, Heritage and Health
Safety Apps
Plant for the planet
WOW
Wealth of Waste
Fight against corruption
Prajwala
Protect and Oath to safeguard women
Swine flu Vaccine Distribution

Complete details of place and impact created are provided in additional information.

File Description	Document
Any additional information	View Document
link for additional information	View Document

3.6.2 Number of awards and recognitions received for extension activities from Government /recognised bodies during the last five years

Answer: 18

3.6.2.1 Total number of awards and recognition received for extension activities from Government /recognised bodies year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
9	3	2	2	2

File Description	Document
Number of awards for extension activities in last 5 years	View Document

e-copy of the award letters	View Document
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3.6.3 Number of extension and outreach programs conducted in collaboration with industry, community and Non-Government Organisations through NSS/NCC/Red cross/YRC etc., during the last five years

Answer: 96

3.6.3.1 Number of extension and outreach programs conducted in collaboration with industry, community and Non-Government Organisations through NSS/NCC/Red cross/YRC etc., year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
30	24	13	15	14

File Description	Document
Reports of the event organized	View Document
Number of extension and outreach programs conducted with industry, community etc for the last five years	View Document
Any additional information	View Document

3.6.4 Average percentage of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last five years

Answer: 100

3.6.4.1 Total number of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
4783	4661	4360	3978	3406

File Description	Document
Average percentage of students participating in extension activities with Govt. or NGO etc.	View Document
Any additional information	View Document
Report of the event	View Document

3.7 Collaboration

3.7.1 Number of Collaborative activities for research, faculty exchange, student exchange per year

Answer: 106.6

3.7.1.1 Total number of Collaborative activities for research, faculty exchange, student exchange year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
120	159	111	76	67

File Description	Document
Number of Collaborative activities for research, faculty etc.	View Document

3.7.2 Number of linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the last five years

Answer: 1101

3.7.2.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc year-wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
197	279	227	262	136

File Description	Document
Details of linkages with institutions/industries for internship	View Document

3.7.3 Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. during the last five years

(only functional MoUs with ongoing activities to be considered)

Answer: 151

3.7.3.1 Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
39	38	34	21	19

File Description	Document
Details of functional MoUs with institutions of national, international importance, other universities etc. during the last five years	View Document
e-copies of the MoUs with institution/ industry/ corporate house	View Document

4. Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The institution has adequate facilities for teaching - learning. viz., classrooms, laboratories, computing equipment, etc

Answer:

Infrastructure, ICT classrooms and Laboratories:

- Institution located in Central place of Hyderabad caters the needs of stakeholders, has excellent infrastructural facilities spread over 21.13 Acres of land with 55142 Sq.mts built up area.
- The Institution raised its infrastructure facilities to 120 laboratories, 75 classrooms, 17 tutorial rooms, 13 Seminar Halls and 1 Auditorium.

- All the classrooms, seminar halls and many of the Laboratories are equipped with ICT facilities.
- All the laboratories are well equipped and maintained. Computer laboratories are installed with licensed software as well as open source software.
- 2:1 Student Computer Ratio is being maintained in the institute.

New /Augmented Laboratories in last 5 years

CE Department :

- Advanced Geotechnical Engineering Laboratory
- Advanced Highway Engineering Laboratory
- Advanced Concrete Laboratory

EEE Department :

- Microprocessors and Microcontrollers Laboratory
- Networks Laboratory
- Electrical Technology Laboratory
- Advanced Digital Signal Processing and Drives Laboratory
- Power Systems Laboratory
- Advanced Power and Control Simulation Laboratory

ME Department :

- CAD/CAM Lab
- Automation and Robotics Laboratory

ECE Department :

- IoT Lab
- Digital Signal Processing Laboratory
- Electronic Devices and Circuits Laboratory
- Digital Communications Laboratory
- Linear and Digital IC Applications Laboratory
- Microprocessors and Microcontrollers Laboratory

CSE Department :

- Computer Science and Engineering Laboratory
- Java Programming and Design Analysis of Algorithms Laboratory
- Gaming Engineering and Cyber Security Laboratory
- Data Base Management Systems and Data Structures Laboratory
- Advanced Data Structures through C++ Lab and Computer Programming Laboratory
- Data Sciences Laboratory

EIE Department :

- Microprocessors and Microcontrollers Laboratory
- Industrial Process Control Systems Laboratory
- Sensors & Measurements Laboratory
- Basic Simulation Laboratory
- Embedded Systems Laboratory

IT Department:

- IT Workshop
- Java Programming and Design and Analysis of Algorithms Laboratory

- Data Mining Laboratory
- Advanced Data Structures through C++ Laboratory
- Operating Systems and Computer Networks Laboratory

AE Department:

- Vehicle Dynamics and Autotronics Laboratory
- Automobile Engineering Laboratory
- Automotive Engines Laboratory
- Vehicle Maintenance and Testing Laboratory
- Fluid Mechanics and Hydraulic Machines Laboratory

H&S Department:

- Physics Lab-2
- Chemistry Lab-2
- Computer aided Language Lab-2
- Communication Skills Lab-2

Career vision promotion center:

- An exclusive facility Career Vision Promotion Centre is provided with a repository of TED and other educational videos.

Library:

- The institution has subscribed to many online journals such as IEEE, ACM, ASME, ASCE, ASTM, Springer, Elsevier etc.
- Established excellent Digital Library and ICT facility.
- Kindle E-books are made available in the library.

Internet,Wi-Fi :

- 350Mbps dedicated leased line Internet facility is available to cater to the academic & research needs of the Campus.
- The institution is completely Wi-Fi enabled.
- The campus is under video surveillance with 210 CC cameras

The increments in Infrastructure and Learning Resources in the last 5 years is given below.

S.No	Type of Infrastructure and Learning Resource	In 2012-13	In 2016-17
1	Institute area	16.02Acres	21.13Acres
2	Built up area including Hostels	41,632Sq.m.	55,142Sq.m.
3	Class rooms	61	75
4	Tutorial rooms	15	17
5	Seminar Halls	12	14
6	Laboratories	64	120
7	Library Book titles	10,435	13,062
8	Library Book Volumes	56,359	72,639
9	Computers with Internet	1070	2140

- An amount of Rs.6091.61Lakhs spent towards Infrastructure and Learning Resources in the last 5 years.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

4.1.2 The institution has adequate facilities for sports, games (indoor, outdoor, gymnasium, yoga centre etc.) and cultural activities.

Answer:

Sports and Games:

Quality physical education programs are needed to increase the physical competence, health-related fitness, self-responsibility, and enjoyment. A state-of-the-art Sports Complex in the institute, 'KODE VENKATADRI CHOWDARY SPORTS COMPLEX(KVC sports complex)', with a plinth area of 2,947sq.m facilitates both indoor and outdoor sports.

- The institution provides indoor game facilities for Billiards, Table Tennis, Shuttle, Badminton. Full time qualified trainers, trains students in caroms, chess, table tennis and students participate in national/international tournaments.
- The institution has adequate playground for outdoor games like Athletics, Basketball, Cricket, Football, Handball, Hockey, Kabaddi, Kho-Kho, Tennikoit, Tennis, Throwball, and Volleyball. Athletic Track Space for all field events like Javelin Throw, Shot put, Hammer Throw, Discus Throw, Jumps, *etc.* is available. State of art training is provided to students in all these sports. Students won medals and awards in national/international tournament
- An exclusive Gymnasium is available for the students and faculty at KVC Sports Complex. It provides an arena for the body builders and the students who wish to maintain their general health. A number of ultra-modern equipment is made available.
- An exclusive facility is provided with a dedicated yoga teacher for training both the students and faculty. Practicing yoga helps to engineer a deep lasting personal transformation. Every year on June 21st, the International Day of Yoga is conducted where all the students and faculty proactively participate. Best performers are rewarded to encourage active and more participation.

The following Indoor and Outdoor facilities are available in Sports Complex.

1. 3 wooden floor Badminton courts
2. Wooden floor Basket Ball court
3. 3 Billiards Tables
4. 10 Table Tennis Tables
5. 30 chess Boards
6. 12 caroms Boards
7. Gym with Imported equipment
8. Yoga Center with a permanent Instructor
9. Rest rooms for Players
10. A separate Medical Center with full time Doctor, Nurse and adequate medicines
11. Cricket and Football Ground
12. Volleyball Courts with flood lights
13. Tennis courts with Synthetic flooring and Flood lights
14. Basket Ball Courts with flood lights
15. Badminton Courts

Rs.115.8 Lakhs has been spent on sports infrastructure and its activities. Corporate training for external members is provided by the coaches in the Sports Complex. The students are encouraged to practice and participate in inter-collegiate, inter-university state level and national level competitions. The mega sports event **Indian Open Inter- Engineering Collegiate Sports Fest** is conducted in the institute where several teams from across the country participate.

List of events conducted in Sports Fest at VNRVJIET are given in Additional information:

Cultural Activities:

Both the professional and the cultural clubs are hosted in an exclusive facility " Student Activity Centre (SAC)" within the campus with a built up area of 525.27 Sq.mt. This space is under the control of the students to design and devise the activities under their respective clubs and societies. Rs.136.01Lakhs are spent on cultural activities infrastructure and activities. Students clubs like Literary club, Music club, Creative arts club, Livewire club, Dramatics club, Classical dance club, Photography & short film shooting club are established. Students actively practice and participate in extra-curricular activities, participate in National level competitions and won awards and prizes.

File Description	Document
Any additional information	View Document
link for additional information	View Document

4.1.3 Percentage of classrooms and seminar halls with ICT - enabled facilities such as smart class, LMS, etc

Answer: 100

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Answer: 89

File Description	Document
Number of classrooms and seminar halls with ICT enabled facilities	View Document
Any additional information	View Document
Link for additional information which is optional	View Document

4.1.4 Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.

Answer: 38.96

4.1.4.1 Budget allocation for infrastructure augmentation, excluding salary year wise during the last five years (INR in lakhs)

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
1578.37	1696.74	1157.5	591.1	1021.42

File Description	Document
Audited utilization statements	View Document
Details of budget allocation, excluding salary during the last five years	View Document

4.2 Library as a Learning Resource

4.2.1 Library is automated using Integrated Library Management System (ILMS)

Answer:

The library is fully automated with LIBSYS 4.0 version and the entire collection of the library can be browsed through the IP address <http://10.45.17.15:8080/webopac>. in the intranet. Touch screen catalogue is available in Library.

Digital Library:

The institute has a digital library with 20 terminals. It is fully automated with the help of D-space Digital Library package. It has a collection of 1533 e-journals, 699 e-journals from IEEE, Science Direct, ASCE, Springer, ASME, ASTM, JGATE, MGH, ACM publications. The digital library is available on LAN through IP address :<http://10.45.17.8:8080/dspace>.

An E-learning centre with in the digital library is established with 5100 video lectures from IITs, MIT, University of Berkely, *etc* related to all Engineering subjects. These E-learning data can be reached at <http://10.45.17.127> in the LAN.

File Description	Document
Any additional information	View Document
link for additional information	View Document

4.2.2 Collection of rare books, manuscripts, special reports or any other knowledge resource for library enrichment

Answer:

Title	Year Published
CHAPTERS IN THE CHEMISTRY OF THE FAMILIAR ELEMENTS VOL-1	193
CHAPTERS IN THE CHEMISTRY OF THE FAMILIAR ELEMENTS VOL-2	193
THE THEODOLITE AND MINOR TRIANGULATION	194
REDDY SANCHIKA	194
ELECTRICAL MEASUREMENTS & MEASURING INSTRUMENTATION	195
MODERN ASPECT OF INORGANIC CHEMISTRY	195
CHAMBERS'S ENCYCLOPEDIA-VOL-1-20	195
ELEMENTS OF POWER SYSTEMS ANALYSIS	195
WATER	195
ENGINEERING MECHANICS	195
CONTROL IN ELECTROPLATING	195
LINEAR STRUCTURAL ANALYSIS	195
FUNDAMENTALS OF ELECTRIC WAVES	195
DRILLING PRACTICE	196
WAVE GENERATION AND SHAPING	196
THE EARLY HISTORY OF THE DECCAN-Parts I-VI	196
THE EARLY HISTORY OF THE DECCAN-Parts -VI-XI	196
ORGANIC CHEMISTRY	196
BORING PRACTICE	196
DESIGN OF REINFORCED CONCRETE STRUCTURES	196
INTRODUCTION TO MODERN NETWORK SYNTHESIS	196
ALTERNATING-CURRENT MACHINES	196
METAL-CUTTING TOOLS PRODUCTION	196
MATRICES FOR STRUCTURAL ANALYSIS	196

DIGITAL INSTRUMENTS	196
PLANT LAYOUT	196
UNIVERSITY CHEMISTRY	196
EARTH SCIENCE	196
ENGINEERING METALLURGY	196
FUNDAMENTALS OF REINFORCED CONCRETE	196
METAL-CUTTING MACHINE TOOLS	196
TECHNOLOGY OF ELECTRODEPOSITION	196
INSTALLATION AND MAINTENANCE IN ELECTROPLATING SHOPS	196
TEXT-BOOK OF HEAT	196
STRESS AND STRAIN IN METAL ROLLING	196
MACHINE DESIGN VOL.2	196
DESIGN OF METAL STRUCTURES	196
ENGINEERING PHYSICAL METALLURGY	196
ENGINEER'S COMPANION	196
TEXTBOOK OF ORGANIC CHEMISTRY	196
DESIGN OF REINFORCED CONCRETE STRUCTURES	196
WORKSHOP TECHNOLOGY	196
WIRE ROD PRODUCTION	197
FIELDS AND WAVES IN COMMUNICATION ELECTRONICS	197
ANALYSIS OF STRUCTURES	197
ENCYCLOPEDIA BRITANNICA-VOL- 1-20	197
CUDDAPAH INSCRIPTIONS (Tamil Nadu Govt Oriental Series)	197
HISTORY OF MEDIEVAL DECCAN-VOL-1	197
SRI VIRUPAKSHA-SREERAMA COPPER PLATE INSCRIPTION	197
MACHINE TOOL DESIGN-VOL.1	197
MACHINE TOOL DESIGN-VOL.2	197
MACHINE TOOL DESIGN-VOL.3	197
MACHINE TOOL DESIGN-VOL.4	197
METAL CUTTING THEORY AND CUTTING TOOL DESIGN	197
THE PICKLING OF STEELS	197
OPTIMIZATION METHODS FOR ENGINEERING DESIGN	197
HISTORY OF MEDIEVAL DECCAN-VOL-11	197
INDUSTRIAL ENGINEERING AND PRODUCTION CONTROL SYSTEMS	197
FUNDAMENTALS OF THE THEORY OF PLASTICITY	197
ENGINEERING METALLURGY	197
MANCHELLA VASUDEVAKAVI VIRACHITA VYUKRUTHA CHANDRIKA	197
FORMULAS FOR DESIGNING FRAMES	197
ELEMENTS OF HEAT ENGINES-VOL.2	197
MANUFACTURING PROCESSES AND MATERIALS FOR ENGINEERS	197
APPLIED MATHEMATICS IN CHEMICAL ENGINEERING	197
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THE INSCRIPTION GALLERY COMPANION GUIDE BOOK	200
BRONZES THROUGH THE AGES	200
GOLD COINS OF THE KAKATIYAS	201

Complete information is provided in the additional information

File Description	Document
Any additional information	View Document
link for additional information	View Document

4.2.3 Does the institution have the following

1. e-journals
2. e-ShodhSindhu
3. Shodhganga Membership
4. e-books
5. Databases

Answer: Any 4 of the above

File Description	Document
Details of subscriptions like e-journals,e-ShodhSindhu,Shodhganga Membership etc.	View Document
Any additional information	View Document

4.2.4 Average annual expenditure for purchase of books and journals during the last five years (INR in lakhs)

Answer: 45.34

4.2.4.1 Annual expenditure for purchase of books and journals year wise during the last five years (INR in lakhs)

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
53.35	41.17	73.99	31.62	26.56

File Description	Document
Details of annual expenditure for purchase of books and journals during the last five years	View Document

Audited statements of accounts	View Document
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4.2.5 Availability of remote access to e-resources of the library

Answer: Yes

File Description	Document
Details of remote access to e-resources of the library	View Document
Any additional information	View Document

4.2.6 Percentage per day usage of library by teachers and students

Answer: 10.77

4.2.6.1 Number of teachers and students using library per day over last one year

Answer: 580

File Description	Document
Details of library usage by teachers and students	View Document
Any additional information	View Document

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Answer:

The campus Network Control Centre has been established at a cost of Rs.5.5 crores and maintained by the Department of IT. The old network has been upgraded and replaced with 135 extreme switches, 130 wireless access points, a high resolution sonic firewall, WLAN controller, unified threat management system and 4 high end servers for Antivirus, FTP, Epicentre (Network Management Software) and DHCP. The present wired and wireless network infrastructure has been established with priority on reliability, performance and cost efficiency.

Dedicated leased line Internet facility with a bandwidth of 350 Mbps is available to cater to the academic & research needs in the Campus. The entire campus is Wi-Fi enabled. The activity in the institute is under video surveillance with 210 CC cameras.

Digital Signages are placed at the major junctions in the institute that continuously displays information regarding any upcoming events, photographs of the completed events, campus news and awardee photographs. These systems will be continuously running during the working hours.

Video-conferencing and A-View facility is also available within the institute. The periodical updates and maintenance is done by the qualified in-house personnel.

Parameter	2012-13	2016-17
Internet and Wi-Fi Bandwidth	30 Mbps	350 Mbps

File Description	Document
Any additional information	View Document
link for additional information	View Document

4.3.2 Student - Computer ratio

Answer: 2.52

File Description	Document
Student - Computer ratio	View Document
Any additional information	View Document

4.3.3 Available bandwidth of internet connection in the Institution (Lease line)

Answer: 35 MBPS - 50 MBPS

File Description	Document
Details of available bandwidth of internet connection in the Institution	View Document

4.3.4 Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS)

Answer: Yes

File Description	Document
Facilities for e-content development such as Media Centre, Recording facility,LCS	View Document
Any additional information	View Document
Link to photographs	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1 Average Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, as a percentage during the last five years

Answer: 45.64

4.4.1.1 Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component year wise during the last five years (INR in lakhs)

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
1420.41	1398.52	1328.78	1297.39	1114.21

File Description	Document
Audited statements of accounts.	View Document
Details about assigned budget and expenditure on physical facilities and academic facilities	View Document

4.4.2 There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Answer:

- Predefined procedures are available and executed within the Institute for the maintenance of its physical equipment. Standard Operating Procedures are available for maintaining and Utilizing physical, academic and support facilities as listed below:
 1. SOP for General Maintenance: Engineering Cell, Security Wing
 2. SOP for Stock Verification
 3. SOP for maintenance of Computers and Networking

4. SOP for EPABX and Telephones
5. SOP for Electrical equipment maintenance
6. SOP for Mechanical maintenance
7. SOP for Civil maintenance

- Laboratories are well equipped and maintained regularly without disturbance to the academic schedules. The in-house maintenance and repairs are addressed by the respective department computer operators who are qualified and trained.
- Library updates its books repository on a yearly basis as per the changes in the curricula. Inputs from the student and faculty are collected in the prescribed format for books to be procured outside the syllabus. Library committee discusses and approves the procurement of these. The library committee meets once in three months to upgrade and procure any additional and general books both technical and non-technical.
- The gym and other equipment servicing are taken up as and when required under the supervision of the physical director. The playgrounds are made ready and kept up to the mark before the commencement of sports activity.
- The academic requirement of computers is taken care and additional Nos. are also procured to enable the usage for the research and the project work. Stipulated procedures are documented and executed for the maintenance of the systems.
- All the classrooms in the institute are ICT enabled. The devices are maintained on a regular basis. Exclusive personnel is recruited to constantly monitor and keep up the usage of the systems. Additional ICT equipment is procured and kept ready for the replacement while the damaged one is sent for repair. This will enable smooth classroom delivery without causing disturbance to the lecture.

File Description	Document
Any additional information	View Document
link for additional information	View Document

5. Student Support and Progression

5.1 Student Support

5.1.1 Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years

Answer: 41.48

5.1.1.1 Number of students benefited by scholarships and freeships provided by the Government year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
2059	1965	1819	1556	1409

File Description	Document
upload self attested letter with the list of students sanctioned scholarships	View Document
Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years	View Document

5.1.2 Average percentage of students benefited by scholarships, freeships, etc. provided by the institution besides government schemes during the last five years

Answer: 1.41

5.1.2.1 Total number of students benefited by scholarships, freeships, etc provided by the institution besides government schemes year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
52	58	66	84	38

File Description	Document
Number of students benefited by scholarships and freeships besides government schemes in last 5 years	View Document
Any additional information	View Document

5.1.3 Number of capability enhancement and development schemes –

1. *Guidance for competitive examinations*
2. *Career Counselling*
3. *Soft skill development*
4. *Remedial coaching*
5. *Language lab*
6. *Bridge courses*
7. *Yoga and Meditation*
8. *Personal Counselling*

Answer: 7 or more of the above

File Description	Document
Details of capability enhancement and development schemes	View Document
Link to Institutional website	View Document

5.1.4 Average percentage of students benefited by guidance for competitive examinations and career counselling offered by the institution during the last five years

Answer: 100

5.1.4.1 Number of students benefited by guidance for competitive examinations and career counselling offered by the institution year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
4783	4661	4360	3978	3406

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	View Document

5.1.5 Average percentage of students benefitted by Vocational Education and Training (VET) during the last five years

Answer: 31.12

5.1.5.1 Number of students attending VET year wise during the last five years

Answer:

2016-17 2015-16 2014-15 2013-14 2012-13
 2170 1758 1216 912 739

File Description	Document
Details of of students benefited by Vocational Education and Training (VET)	View Document
Any additional information	View Document

5.1.6 The institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases

Answer: Yes

File Description	Document
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View Document
Details of student grievances including sexual harassment and ragging cases	View Document

5.2 Student Progression

5.2.1 Average percentage of placement of outgoing students during the last five years

Answer: 83.37

5.2.1.1 Number of outgoing students placed year wise during the last five years

Answer:

2016-17 2015-16 2014-15 2013-14 2012-13
 712 747 712 575 433

File Description	Document
Details of student placement during the last five years	View Document
Self attested list of students placed	View Document

5.2.2 Percentage of student progression to higher education (previous graduating batch)

Answer: 11.15

5.2.2.1 Number of outgoing students progressing to higher education

Answer: 101

File Description	Document
Details of student progression to higher education	View Document

5.2.3 Average percentage of students qualifying in state/ national/ international level examinations during the last five years (eg: NET/SLET/GATE/GMAT/CAT, GRE/TOFEL/Civil Services/State government examinations)

Answer: 100

5.2.3.1 Number of students qualifying in state/ national/ international level examinations (eg: NET/SLET/GATE/GMAT/CAT, GRE/TOFEL/Civil Services/State government examinations) year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
168	262	217	267	228

5.2.3.2 Number of students appearing in state/ national/ international level examinations (eg: NET/SLET/GATE/GMAT/CAT, GRE/TOFEL/Civil Services/State government examinations) year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
168	262	217	267	228

File Description	Document
Number of students qualifying in state/ national/ international level examinations during the last five years	View Document
Upload supporting data for the same	View Document

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) during the last five years*

Answer: 255

5.3.1.1 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 wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
55	74	24	45	57

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at national/international level during the last five years	View Document
Any additional information	View Document
e-copies of award letters and certificates	View Document

5.3.2 *Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution*

Answer:

Institute encourages participation of student representatives in various decisions making academic and administrative committees, this enable them in acquiring better academic environment.

Student opinions and suggestions are considered to take measures in view of students' perception.

Institute puts efforts for the all-round development of a student. They take part in various professional society chapters like IEEE, IETE, ISTE, CSI, ICI, IEL,SAE, VSI, ASME and ISOI.

Also student members are involved in several Institute and Department level committees with active participation. They are explained below

- **Internal Quality Assurance Cell (IQAC):** Student representatives are nominated for this cell who participate in the decisions regarding the quality initiatives of the institute.
- **Women Welfare committee:** The girl students from the final year are made part of the committee to address issues on women welfare.
- **Library Committee:** Student representatives are nominated into the library committee address the issues on procurement of new titles, issue and renewals of the books and any additional material required
- **Sports Committee:** Student representatives give valid suggestions towards the sports activities within the institute and also address the adequacy of the infrastructure and other facilities.
- **Canteen Committee:** The quality and hygiene of the canteen is monitored by student representatives along with the other nominated faculty members. They visit frequently and collect feedback from peers and also continuously monitor the quality and quantity of the food served.
- **Hostel Committee:** They play major role regarding food quality, hygiene and other general facilities. Also they voluntarily monitor day to day activities and bring to the notice of the warden immediately.
- **Fest Organizing Committee:** To organize Tech fest “CONVERGENCE”, Cultural fest “SINTILLANSHUNZ”, National level SPORTS FEST and Open House. All these fests are organized and executed by the students. Student members of all professional societies and student clubs actively taking part in hosting this event a grand success.
- **Editorial Board, Vignana Vahini:** The annual magazine consists of various academic and extra-curricular achievements along with the student talents that can be exposed through story writing, poems, articles and fine arts.
- **Editorial Board, Vignana Vartha:** The quarterly news magazine publishing technical events and technology developments is compiled and printed by the student representative from various disciplines.
- **ECA/CCA Committee:** Students clubs like Literary club, Music club, Creative arts club, Live wire club, Dramatics club, Classical dance club, Photography & short film shooting club and Classical dance club are involved in this committee. **Class Review Committee (CRC):** It consists of HOD, faculty handling the particular section and five to six student representatives in each class meet to discuss the conduct of class work, delivery of lecture and overall discipline. Based on the minutes of the CRC meeting, action is initiated to improve the academic performance of the class.

In addition to the above, students are encouraged to join NSS and participate in service activities like organizing blood donation, rural health & sanitation, adult education, and environmental awareness camps in the neighboring areas as a social responsibility.

Remaining information is provided in additional information

File Description	Document
Any additional information	View Document
Link for Aditonal Information	View Document

5.3.3 Average number of sports and cultural activities / competitions organised at the institution level per year

Answer: 132

5.3.3.1 Number of sports and cultural activities / competitions organised at the institution level year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
143	130	131	127	129

File Description	Document
Report of the event	View Document
Number of sports and cultural activities / competitions organised per year	View Document

5.4 Alumni Engagement

5.4.1 The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and non financial means during the last five years

Answer:

VNR VJIET Alumni Association is a registered body (Regd. No: 2154) consisting of a Coordination Committee, Executive Committee and student Coordination Committee to engage, execute and enhance various activities of the Association. 9600 alumni are connected to the alma mater, faculty and students through an exclusive portal www.vnralums.com. VNR VJIET Alumni Association provides a focal point of contact among alumni to interact and network with each other as well as with the alma mater. The alumni association of the institute is the conglomeration of leaders, entrepreneurs, social entrepreneurs, professionals and bureaucrats catering to the society in various designations. Alumni Home Coming Day, YUGMA is conducted on the third Saturday of December every year

The institute encourages the Alumni entrepreneurs to incubate their ideas at VJ Hub by providing the necessary infrastructure and seed money of 5 Lakhs.

Alumni Participation in Curricular and Co-Curricular Activity:

- BOS members in all departments provide feedback for Curriculum improvement to meet the demands of Industry.
- Mentoring programme for III B.Tech towards placements and career advancement.
- Expert talk as a part of Career Vision Programme for I B.Tech students.
- Alumni intensive training programme for placements.
- Guest Lecture series on various motivational and technical issues.
- Alumni Guidance for projects
- Participation in NSS Activities

Financial Contributions:

- Mr. RISHI TIRUPARI of 2002-2006 Batch of Civil Engineering sponsors the tuition fee for one meritorious student in Civil Engineering branch through “Rishi Tirupari Endowment Scholarship every year.

Details of Alumni is provided in additional Information

File Description	Document
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Any additional information	View Document
Link for Additional Information	View Document

5.4.2 Alumni contribution during the last five years (Amount in rupees)

Answer: 5 Lakhs - 10 Lakhs

File Description	Document
Alumni association audited statements	View Document

5.4.3 Number of Alumni Association / Chapters meetings held during the last five years

Answer: 28

5.4.3.1 Number of Alumni Association /Chapters meetings held year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
5	7	8	6	2

File Description	Document
Number of Alumni Association / Chapters meetings conducted during the last five years.	View Document
Report of the event	View Document

6.Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the institution

Answer:

The Institute's focus and core ideology is reflected in its Vision, Mission, and Quality Policy as shown below:

- Vision: Global Standards, Value-based Education, Interdisciplinary Research, and Sustainable Development
- Mission: To achieve the following traits among students through modern pedagogy: technical competence, social responsibility, future-readiness, learning through innovative and collaborative research of global standards, managerial and entrepreneurial skills.
- Quality Policy: Updated domain knowledge, hands-on experience, continuous improvement, global standards.

The Principal, who is the Academic Head of the Institution, is aided by: Deans, Heads of the Departments, Finance Officer, Section Heads, and Chairpersons of other Institute-level Committees. The various Committees that direct the day-to-day functioning of the Institute include: Governing Council; Academic Council and Boards of Studies; Finance Committee; Finance, Planning and Development Committee. Other Sections and bodies that take part in Governance include: Internal Quality Assurance Cell (IQAC); Planning, Approvals, Accreditation and Certification (PAAC) Cell; Academics and Admissions (AA); Examinations and Evaluation (EE); Research and Consultancy Cell (RCC); and Mentoring, Training and Placement (MTP) Cell.

The Institute's Policies, Strategy, Resources, as well as Operations and Quality Assurance cater to the different facets of the Institute, viz. Academics, Research, Innovation and Entrepreneurship, and Social Responsibility with Global Vision.

Vignana Jyothi Society, as well as the Principal who ensures seamless management systematically, encourages participative leadership by involving various stakeholders at various appropriate levels of decision-making.

Recurring and intermittent requirements of Departments and Sections are identified by the Heads of the respective Departments and Sections, which are presented to the Finance Committee for evaluation of financial aspects and to the concerned Deans and the Principal for a consolidated need assessment. The identified requirements are presented to the Governing Council by the Principal and approvals necessitate interactions with the concerned stakeholders and faculty members.

Faculty members participate, through corresponding Functional Committees, in finalising curriculum design, teaching methodology of common courses, examination reforms, maintenance of academic standards, and student welfare. Such participation brings transparency to the governance and inherently encourages teamwork, while ensuring practicable decision-making.

Students and alumni are also involved in certain Committees including the IQAC so that their views are also considered in governance.

Thus, all stakeholders of the Institute are involved at various levels in assessing actual needs, budgetary requirements, academic standards and policy-making, progression in innovation and research. The Principal subsequently drives the resulting policy, strategy, resource allocation, and operations through the Governing Council and the Vignana Jyothi Society. Societal impact and responsibility are assigned prime importance such that the Institute contributes to sustainable socioeconomic development through globally-competitive competence.

File Description	Document
Link for Additional Information	View Document

6.1.2 The institution practices decentralization and participative management

Answer:

Decentralization and Participative management:

The institution has decentralized and transparent mechanism in management, administration, financial and academic affairs. This mechanism is delegating appropriate responsibilities from the top level management to low level and allows the top management to focus on policy making and major decisions.

The Governing council is the highest decision-making body which formulates/ amends rules and regulations, delegates powers and responsibilities to various Committees, Principal, Heads of the Departments (HoDs), Heads of the Sections.

The constitution of statutory committees like Governing council, Academic Council, Finance Committee, Board of Studies are systematically carried out with specified functions and responsibilities as per the requirements to the regulatory/statutory bodies. These committees play a major role in policy making of governance, academics, finance, research and teaching learning

The Principal ensures the smooth functioning of the institution with the support of Deans,

- Dean Academics
- Dean Examination & Evaluation
- Dean Administration
- Dean Student Progression
- Dean Innovation, Incubation, Entrepreneurship & Globalization
- Dean Research, Development & Consultancy

There are 31 non-statutory committees working hand in hand in identifying possibilities, planning, organizing, implementing and monitoring all the activities of the institution.

The decentralized mechanism exists even at the department levels. Every department has Program coordinators at UG and PG level to look after the activities of each program. Decisions at department levels are taken by well-structured committees like Department Academic committee, Program Assessment committee, Board of Studies, Department Development Committee, Class Review Committee. HODs are invited for the Governing council meeting and the Governing council members and management interact to develop a road map for the development of the departments and the institution.

All Stakeholders of the institution have participative roles in various decision-making committees. External stakeholders like Statutory bodies nominees, State government Nominees, University nominees, State government Nominees, Industry experts, Employees, Educationists, Scientists, occupy 20% of all the committee members. Faculty occupies 55% and Students, Alumni occupies 15% of the committee members. The remaining 10% of the committee members includes Management.

The **table provided in the additional information** shows the involvement of management and all the stakeholders including Head of the Departments, Faculty, Students, Alumni, employers, industry experts, educationalist, scientist, community representatives in various functional committees of the institution. This shows that the institution has decentralization of administration through committees and has participative management. A democratic approach is setup in the decision-making process, by which all the stakeholders of the institution could participate in the managerial decisions.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.2 Strategy Development and Deployment

6.2.1 Perspective/Strategic plan and Deployment documents are available in the institution

Answer:

Institution has a strong Strategic plan prepared for 7 years aiming at clearly formulated objectives.

OBJECTIVE 1 :Achieving Academic excellence by curriculum orientation and fostering experiential learning through ICT.

OBJECTIVE 2 :Exploration of Knowledge through Innovation and Research providing inclusiveness to societal needs.

OBJECTIVE 3 :Exponent for Development of a Rounded Personality with Global Vision & Social responsibility.

OBJECTIVE 4 :Relentlessly pursue institutional effectiveness through quality assurance systems.

The plan is deployed through regular plan of actions, day-to-day-activities, resource-allocation and involving all stakeholders at various levels. Performance, quality indexes measured at times provides clarity in achieving strategic-plan.

File Description	Document
Strategic Plan and deployment documents on the website	View Document
Link for Additional Information	View Document

6.2.2 Organizational structure of the institution including governing body, administrative setup, and functions of various bodies, service rules, procedures, recruitment, promotional policies as well as grievance redressal mechanism

Answer:

The organization has a well-structured administrative setup with Governing Council as the highest decision-making body and 36 other functional bodies and committees. The administrative setup is provided in the organogram in the **link to organogram of the Institution webpage**. The functions of various bodies are given in the link for **additional information**.

Service rules, Procedures, Recruitment and Promotional Policies:

- The Institute has a set of well-established rules, policies and regulations within the frame work of AICTE, State Govt. and the affiliating university, which are approved by the Governing Council of the Institute. The rules and regulations of the institute were first published in Nov 1997 and are revised periodically. The following documents are published and are made available in the institute library and in all departments to create awareness among the employees and students. The same is also available in the college website – www.vnrvjiet.ac.in. The copies of the institute Administrative Manual containing service rules, Procedures, Recruitment and Promotion Policies are circulated among all the staff (both Teaching and Non-teaching) for their information.
- The following are the few manuals in which all the functional aspects of day to day activities are provided:
 - Administrative Manual
 - Standard Operating Procedures (SOP's)
 - SOP for Civil maintenance
 - SOP for Mechanical maintenance
 - SOP for Electrical equipment maintenance
 - SOP for EPABX and Telephones
 - SOP for maintenance of Computers and Networking
 - SOP for Stock Verification
 - General Maintenance: Engineering Cell, Security Wing
 - Institute Autonomy Policy
 - Research Policy
 - Consultancy Policy
 - Manual for Examination Procedures
 - Anti-Ragging, anti-eve teasing and anti-drug policy
 - Hostel rules and regulations
 - IQAC – Quality Management document

Grievance Redressal Mechanism:

The Grievance Redressal Mechanism of the institution is established with an aim to provide easy and readily accessible procedure for prompt disposal of the day to day genuine grievances of the student and faculty community to maintain a congenial atmosphere.

Grievance Redressal Committee was constituted in VNR VJIET in accordance with the University Grants Commission regulations. Any student and faculty with a genuine grievance may approach the Grievance Redressal Committee to submit his/her grievance in writing to “The Chairman, Grievance Redressal Committee, VNRVJIET or send e-mail to grievanceredressal@vnrvjiet.in.

The Grievance Committee considers only individual grievances of specific nature of members of the employee. The Grievance Committee considers all grievances submitted in writing by an individual member

related to employment, working conditions, and quality of services assured to them and any other alleged injustice done to an employee while discharging his /her duties at the Institute.

Grievances received are addressed systematically with active involvement and cooperation of the respective department/section concerned with the grievance; maintain necessary confidentiality in handling process. The objectives of Grievance Redressal Committee are:

- All the grievances of the students/staff which could not be settled in the routine process should be referred to this committee.
- Committee tries to settle the issues amicably in a time bound manner.
- Introduces a reasonable and reliable solution for grievances of various issues received from students/parents
- Ensures that the grievances are resolved on time impartially and confidentially.

File Description	Document
Any additional information	View Document
Link to Organogram of the Institution webpage	View Document
Link for Additional Information	View Document

6.2.3 Implementation of e-governance in areas of operation

- 1. Planning and Development**
- 2. Administration**
- 3. Finance and Accounts**
- 4. Student Admission and Support**
- 5. Examination**

Answer: All 5 of the above

File Description	Document
Details of implementation of e-governance in areas of operation Planning and Development, Administration etc	View Document
ERP Document	View Document
Screen shots of user interfaces	View Document

6.2.4 Effectiveness of various bodies/cells/committees is evident through minutes of meetings and implementation of their resolutions

Answer:

The Institute has various committees constituted for transparent functioning of day to day operations of the Institute. There are about 35 committees working on various activities of the Institute with well-defined functions and responsibilities of the Institute.

All the decisions taken in the Institute are through these committees and the action taken will be based on the decision of the committees.

For example, the following table gives few of the major decisions taken by some of the committees, action taken and implementations are indicated below.

Major Decision	Implementation
Academic Council	
Framing Syllabus, Academic Rules and Regulations of B.Tech and M.Tech courses from the Academic Year 2012-13 (Autonomous 1st Batch)	Approved, Syllabus, Academic Rules and Regulations from the Academic Year 2012-13 and is implemented
Implementation of CGPA system of Examination Evaluation grading ; Introduction of Certificate courses and Bridge courses	Approved, CGPA Grading System and implemented, Introduced Certificate and Bridge Courses
Introduction of Open Electives in 3rd Year of B.Tech Courses	Approved, Open Electives are added in 3rd Year of B.Tech curriculum
Governing Council	
Procurement of Laptops by all Faculty and extending interest free Loan from the Institute	Faculty are informed to buy laptops on or before 31.05.2012 and extension of interest free loan for procurement of laptop
Introduction of Certificate and Bridge Courses	Approved, List of Certificate and Bridge Courses
Establishment of Finishing School	Finishing School is established and activities started
Inviting students from the neighboring school to visit the Institute for Open House through NSS Co-ordinator	Student from VRS & VJR School are invited and participated in the Open House
Establishment of e-Class room	Approved, Establishment of e-Class room
Demonstration of Projects at SHOW & TELL, Implementation of VNR Lab Protocol	SHOW & TELL is established and VNR Lab Protocol model is finalized
MOUs with Missouri State University and Oakland University	Signed MOU with Missouri State University and Oakland University and are executed
Introduction of WIT & WIL	WIT & WIL is introduced to focus on learner centric approach
Intellectual Property (IP) Policy	Approved, Intellectual Property (IP) Policy document
Initiation of Choice Based Credit System	Choice Based Credit System is implemented for R15 regulation
Institute Incubation Policy	Approved, Institute Incubation Policy document
Establishment of Internet of Things (IoT) lab	Internet of Things(IoT) lab is established
Establishment of Centre for Education Technology	Centre for Education Technology is established
Finance, Planning and Development Committee	
Preparation of an Integrated training manual for UG and PG students	Directed Training and Placement Cell to prepare the manual and is prepared.
Preparation of Vignana Jyothi Technology and Business Incubator(VJTBI) manual	Incubation Policy is prepared and is approved for implementation.
Installation of CC Cameras in the entire campus	CC cameras are installed in the entire campus and are in working condition
Initiation of Solar Power Plant for Hostels	100kW Solar Power Plant in Hostels is

	installed and is in use.
Refinement of B-Block Seminar Hall and Auditorium	B-Block Seminar Hall and Auditorium are renovated and installed with latest ICT tools. About a 1.5 crores is spent.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.3 Faculty Empowerment Strategies

6.3.1 The institution has effective welfare measures for teaching and non-teaching staff

Answer:

The Institution provides effective welfare measures to both teaching and non-teaching staff. All statutory welfare measures are implemented. Various monetary, non-monetary measures towards personal and professional growth are being followed to the satisfaction of the employees.

1. As per the norms of AICTE, 6th Pay commission recommendations are implemented.
2. Employees are covered under EPF and Gratuity.
3. Study, Maternity and Medical leaves are sanctioned for the required staff.
4. Vehicle and Laptop loans are provided for both Teaching and non-teaching faculty.
5. Registration fees, Dearness allowance, Travel grants for faculty attending conferences and workshops are provided.
6. Incentives for best research work.
7. Children of the staff are rewarded for their best performance in academics.
8. Non-teaching staff are provided with ESI facilities.
9. Concessional on Transport and Medical facilities for all the staff.
10. Medical reimbursement facility is provided.
11. Full time Medical facility with qualified Doctor and nurse are available in the institution.
12. Creche, sports, gym and yoga facilities are provided for staff and family.
13. ATM facilities are available in the campus.

The following are the amounts spent for the welfare measures for teaching and non-teaching staff

S.No	Academic Year	Amount of welfare for Teaching staff in Rs	Amount of welfare for Non-Teaching staff in Rs
1	2012-13	41620065	101213
2	2013-14	16944206	56733
3	2014-15	17767580	237181
4	2015-16	26362597	806683
5	2016-17	31086406	275576

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.3.2 Average percentage of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the last five years

Answer: 46.1

6.3.2.1 Number of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
141	134	100	153	123

File Description	Document
Details of teachers provided with financial support to attend conferences,workshops etc. during the last five years	View Document

6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years

Answer: 36.4

6.3.3.1 Total number of professional development / administrative training programs organized by the Institution for teaching and non teaching staff year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
30	42	30	32	48

File Description	Document
Reports of the Human Resource Development Centres (UGC ASC or other relevant centres).	View Document
Details of professional development / administrative training programs organized by the Institution for teaching and non teaching staff	View Document

6.3.4 Average percentage of teachers attending professional development programmes viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programme during the last five years

Answer: 100

6.3.4.1 Total number of teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
353	315	282	254	235

File Description	Document
Details of teachers attending professional development programs during the last five years	View Document
IQAC report summary	View Document
Reports of the Human Resource Development Centres (UGC	View Document

ASC or other relevant centers).

6.3.5 Institution has Performance Appraisal System for teaching and non-teaching staff

Answer:

- The Institution has a formal “Annual Performance Appraisal” for both Teaching and Non-Teaching staff conducted every year. The faculties are required to submit the filled in pro forma of self-appraisal which is based on “Performance Based Appraisal System” as per UGC regulation 2010.
- The consolidated API scores are analyzed, reviewed and appropriate actions are taken accordingly. This system helps the staff in setting up new goals and self-assesses their strengths and weaknesses.
- Based on the Annual appraisal the teaching and non-teaching staff is given increments and this becomes one of the parameters in giving promotions in their respective cadre.
- On an average 95% of the staff is given increments in the last 5 years and 15% are promoted in their respective cadre.
- Based on filled in pro forma faculty are also suggested for the scope of improvement.
- Non-teaching staff are also assessed based on their work achievements, qualification enhancement and adaptability towards the technological changes.

File Description	Document
Link for Additional Information	View Document

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Answer:

Financial planning ensures consistency of goals, aligning the growth objectives of the institute with its financial requirements. It also supports the strategic growth of the organization. To Begin with the End in Mind, the institute plans and accumulates the right amount of funds by gathering the inputs and requirements from its associated departments.

- Financial Planning is exercised well in advance for the organization and efficient Budgeting & Controlled mechanism is done by involving the various Academic Departments and Administrative Sections of the Institute.
- Financial planning and review is done in periodic intervals through statutory - Finance Committee headed by Principal, Dean- Administration, Management representative, Faculty and Account Personnel as members.
- Finance Committee meets 4 times a year and reviews the income- expenditure statements and suggest further action plan. Management through Governing Council looks in to income and expenditure pattern and pragmatic recommendations are given.
- Well-structured financial section is in place and every financial transaction is recorded through software.
- Financial Rules are in place in the Institute and “No- Cash” Transaction System is followed. Fee Payment is encouraged through online mode.
- Flexible financial system allows spending more than the budget allocated as per the approved budget on the benefit of demands and requirement.
- Optimal utilization and execution of the budget is monitored through internal and external auditing. Internal audit is conducted on quarterly basis and the statutory external audit is conducted annually by chartered accountants.
- All government Scholarships and Funds received from government as Grants are audited separately by the Auditor appointed by government.
- Audited financial statements are made public by placing it on institute website and are sent to the statutory and regulatory bodies.

An effective financial management system is in place and is helping the institution in overall growth.

File Description	Document
Link for Additional Information	View Document

6.4.2 Funds / Grants received from non-government bodies, individuals, Philanthropers during the last five years (not covered in Criterion III)

Answer: 100.49

6.4.2.1 Total Grants received from non-government bodies, individuals, philanthropers year wise during the last five years (INR in lakhs)

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	100.49	0

File Description	Document
Details of Funds / Grants received from non-government bodies during the last five years	View Document
Any additional information	View Document

6.4.3 Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Answer:

Mobilization of Funds:

- The major source of revenue for the college is the Annual fee collected from students. The fee is collected as per the fee & guidelines fixed by the State fee regulatory authority. The fee is converted into fixed deposits and withdrawn periodically as per the requirements of the institute. The fixed deposits are withdrawn and used for the expenditure of the college. The interest earned on these fixed deposits is also being utilized for the needs of the institution.
- Mobilization of funds is also done through sponsored projects from DST, FIST, DRDO, AICTE, UGC, Industry sponsored projects by the faculty. Faculty will purchase the equipment, meets expenditure for travel and stipend for research associates. Funds are also mobilized through consultancy and philanthropic contribution.

Strategies for optimal utilization of financial resources:

- During the budget preparation in the institution all the academic and section heads are requested to provide the annual budget requirements keeping in view of development and updating of laboratories, computing facilities, library, teaching-learning process, training, extension activities, software etc.
- Monthly budget plan is also invited from all the sections for optimal planning of financial resources.
- Individual budget estimations are collected and Budget is prepared. The same is placed before the Finance committee and the committee in turn will deliberate and makes necessary changes for a proper balance of receipts and expenditure. The same will be submitted to Governing Council for approval.
- The Governing council further approves the budget and forwards to the Executive Committee of the management for perusal.
- Budget approvals will be communicated to the departments and sections.
- The institution keeps track of the budget. In any unforeseen circumstances, non-budgeted amount is considered and allotted depending on the merit of the case.

The budget utilization from the past years speaks out the efficient budgeting and optimal utilization in the institution.

File Description	Document
Link for Additional Information	View Document

6.5 Internal Quality Assurance System

6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Answer:

IQAC has significantly contributed to meet the standards of HEI's in the form of process chart for all the activities and made efforts for institutionalizing the quality assurance strategies and processes.

The quality parameters for various aspects of the institution are listed in the table given below:

S.No.	QUALITY PARAMETERS
1	Admission Quality
2	Student Profile
3	Placement Quality
4	Admissions for Higher Studies
5	Feedback Analysis
6	Result Analysis
7	Participation of student in Guest Lectures/Seminars/Workshops
8	Day to day attendance monitoring
9	Success Pattern(Passed out graduates)
10	Success in competitive exam
11	Awards and recognition received by students
12	Alumni Profile/Distinguished Alumni
13	Faculty Quality
14	Average age group of faculty
15	Quality of Research publications
16	Consultancy
17	Research Projects
18	Workshops /seminars /Conferences organized
19	Workshops /seminars /Conferences participated
20	Patents Applied / Awarded
21	Books published/Reviewed/Edited
22	Awards and recognition to faculty
23	Faculty Guiding PhD's
24	No of Collaborations
25	No of Faculty visited abroad
26	Class room Quality
27	Seminar Halls Quality
28	Hostel Quality
29	Number of ICT Programs

The IQAC has created benchmarks for the key aspects to measure the quality. Performance Gradings are awarded on a scale of 1-4. Based on this quality assessment has been conducted. The same is communicated to the departments/sections by Head, IQAC. On completion of the assessment, improvement on various aspects has been suggested.

he quality of Teaching, learning and evaluation is improved by conducting

- Remedial Classes for weak students to improve their academics
- Tutorials
- Video lectures to enlighten the students.
- Micro teaching sessions for low performing faculty based on CRC reviews and Feedback.
- E-learning is promoted through ICT, opening an NPTEL Local Chapter is an example for this.
- Continuous online assessment process called Hackathon-is also introduced for assessing the students.
- Centres of excellence are established to promote research in specific areas.

The IQAC has been instrumental in promoting research through research sensitization programs on improving the Quality of publications, citations etc. through workshops and Guest lectures.

In order to ensure for industry interaction, the institute has MoU's with industries and students are given exposure to industry practices through industry oriented mini projects, internships and guest lectures by industry people.

File Description	Document
Link for Additional Information	View Document

6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms

Answer:

The institution reviews its teaching learning process, structures & methodologies of operations through Academic Departments. The IQAC is responsible for developing, coordinating and monitoring academic assessment activities to effect improvement in student learning. All the heads of the departments, deans and nominated teachers are members of the Institute Academic Committee and is chaired by the head, IQAC.

The roles and responsibilities of the committee are to

1. Plan, monitor and control the academic functioning of all the Departments.
2. Introduce innovation in Teaching, Learning and Evaluation practices.
3. Recommend additional infrastructural facilities required to strengthen the Departments in view of the changing needs of curriculum or introduction of new disciplines.
4. Evolve processes for conducting Academic Audit both at the Institute level and at the Department level.

The Institute Academic Committee meets every month as a scheduled activity and monitors all the activities.

The Internal Quality Assurance Cell Supports the activity by involving various departments of the institute, and audits the departments as a calendar activity every semester. IQAC also conducts an External

Audit for the Academic as well administrative aspects. The institute prompts the departments to implement the recommendations of the Audit Committee.

The IQAC also supports in anchoring the academic review activities such as:

- The Academic Plan is prepared well in advance before the commencement of classwork for the courses
- Feedback is collected twice in a semester. It is communicated to Faculty and Heads of the Departments and necessary measures are taken.
- Ongoing course review is done by involving students and faculty through class Review Committee Meetings
- Attendance registers are maintained with day-to-day outcome mapping and the delivery mechanism.
- Every Faculty maintains Course files for the subjects.

The IQAC of the institute also reviews the assessment of teaching learning outcomes through

- Course end survey which is collected after a semester course for every subject
- Course outcome analysis for each course after completion of the semester which incorporates the input collected from course end survey also.
- Result analysis every semester.
- Program assessment for the graduating batch. The Learning outcomes of program (POs) are assessed through curricular and co-curricular activities.

All the suggested changes in the curriculum by the departments and their BOS are put forth to the academic council for approval.

OUTCOMES

- 1.Exit survey has helped in revising the curriculum according to the needs of the present Day.
- 2.Alumni feedback has helped in refinement of curriculum.
- 3.Inclusion of value added courses, training programs, finishing school and shadow engineering led to better placements.
- 4.The revised curriculum has enabled the students to gain admission in Premier Institutions.
- 5.Seven UG Programs are NBA Accredited with 3 years and one UG Program (CE) is accredited for 5 years.
- 6.Four PG courses have been NBA accredited.
- 7.The Institute has been recognized as College with Potential for Excellence by UGC

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.5.3 Average number of quality initiatives by IQAC for promoting quality culture per year

Answer: 12.4

6.5.3.1 Number of quality initiatives by IQAC for promoting quality year-wise for the last five years

Answer:

2016-17 2015-16 2014-15 2013-14 2012-13
16 17 6 12 11

File Description	Document
Any additional information	View Document
Number of quality initiatives by IQAC per year for promoting quality culture	View Document
IQAC link	View Document

6.5.4 Quality assurance initiatives of the institution include

- 1. Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements**
- 2. Academic Administrative Audit (AAA) and initiation of follow up action**
- 3. Participation in NIRF**
- 4. ISO Certification**
- 5. NBA or any other quality audit**

Answer: Any 4 of the above

File Description	Document
e-copies of the accreditations and certifications	View Document
Details of Quality assurance initiatives of the institution	View Document
Annual reports of Institution	View Document

6.5.5 Incremental improvements made during the preceding five years (in case of first cycle)

Post accreditation quality initiatives (second and subsequent cycles)

Answer:

Detailed Post accreditation summary is given in additional information

Recommendations by NAAC Peer team in I Cycle
Faculty_may_be_given_training_in_pedagogy,_so_that_teaching-learning_of_all_courses_may_be_improved.

Well needed academic/examination reforms may be given top priority at the Institute to take full adva

Library collections/services may be upgraded to facilities self-learning of students & encourage knowl

Suitable steps may be taken to encourage faculty/students to seek and take up sponsored research pro

ICT Infrastructure on the campus may be strengthened and upgraded to avoid its obsolescence & me

All the Departments may be encouraged to imbibe good research culture & improve the quality, stand

Guidance/counseling facilities for students may be made proactive and training/placement activities stre

The curricula/syllabi of courses may be oriented to ensure their educational outcomes fulfilling the Vi

All out efforts may be directed to implement the institutional development plan including residential c

IQAC may be formally strengthene to reinforce quality measures to ensure that all the Institute activi

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

7. Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Number of gender equity promotion programs organized by the institution during the last five years

Answer: 45

7.1.1.1 Number of gender equity promotion programs organized by the institution year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
11	11	8	8	7

File Description	Document
List of gender equity promotion programs organized by the institution	View Document
Report of the event	View Document

7.1.2 Institution shows gender sensitivity in providing facilities such as

- Safety and Security
- Counselling
- Common Room

Answer:

VNRVJIET is unique in having nearly 45% women employees and 37% of girl students. Recruitment and promotion practices in the institute ensure that women acquire leadership roles and also take active part in decision making.

The topper among girls is privileged to hoist the flag on Independence Day and the topper among boys on Republic Day every year. Women's day is celebrated in the institution/department levels every year. There is a special category Academic prize to honor the best outgoing Girl Student of every branch and also the Best Girl Student for excellence in sports.

a) Safety and Security

- The Institution surveillance is managed through 210 CC cameras with a centralized control room. Security guards are appointed for each floor, common areas, canteen, vehicle parking, main gate.
- Separate hostel facility is provided for girl and boy students with biometric attendance and round the clock security for safety.

- The Women Protection Committee and Anti- Sexual Harassment Committee of the institute address the grievances related to gender safety and security if any.
- Seats are reserved in the common transport for girls and the women faculty.
- The girl students are motivated and trained towards self-defense and to safeguard themselves in case of any emergency.
- Foot patrolling has been intensified in the campus to inculcate the feeling of safety and security among the students. Adequate number security personal is deployed in the campus round the clock.
- Complaint/suggestion boxes have been fixed in all departments and hostels in the campus.

b) Counseling:

- A unique counseling and mentoring system is in place in the institute. Each student has a faculty mentor with scheduled interactions.
- 1:15 Mentor-student ratio is being maintained and is helping the students to realize their academic and personal goals. The student meets his/her mentor every fortnight regularly to seek help regarding academics, personal guidance and stress related issues. All the Mentoring and counseling activities are recorded in a mentoring book.
- Mentors often help students mediate conflicts with their peers, teachers, or parents.
- Special Counseling sessions are organized for students by inviting experts from outside.
- Relationship management center is established in the institute for special counselling sessions and also for personal meeting between the mentor and parent.
- ICT method is developed as mentor mentee app through which the faculty mentor can be in touch with the mentees as and when required and monitor progress.

c) Common Room

- Ladies and Gents Waiting rooms are available for students and faculty to rest in case of any illness. A Doctor and a certified nurse are available in the campus.
- A common room for reading is available in the institution for reading newspapers.
- Common rooms are available for guests at the reception.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

7.1.3 Percentage of annual power requirement of the Institution met by the renewable energy sources

Answer: 5.66

7.1.3.1 Annual power requirement met by renewable energy sources (in KWH)

Answer: 31259

File Description	Document
Details of power requirement of the Institution met by renewable energy sources	View Document
Any additional information	View Document

7.1.4 Percentage of annual lighting power requirements met through LED bulbs

Answer: 14.85

7.1.4.1 Annual lighting power requirement met through LED bulbs (in KWH)

Answer: 21384

File Description	Document
Details of lighting power requirements met through LED bulbs	View Document
Any additional information	View Document

7.1.5 Waste Management steps including:

- *Solid waste management*
- *Liquid waste management*
- *E-waste management*

Answer:

Solid waste management

- Inspired by Swatch Bharat Mission, Twin-Bin system is being used in the Institute to segregate recyclable and biodegradable waste. Professional contractors collect the recyclable waste and biodegradable waste.
- The used papers and notebooks are collected every semester and recycled. The books generated are donated to the students of neighboring Government Schools and are also made available to the in house students in the form of record books. This activity is an exclusive initiative of our students under VNRSF (Vignana Jyothi Student Force).
- Chemical and hazardous waste from laboratories are disposed as per MSDS. This waste is collected and disposed through a certified third party.
- The campus is Wi-Fi enabled and hence all communication is made online minimizing paper usage.
- Usage of plastic cups, plates and cutlery are banned in the campus as a green initiative.
- Organic waste is composted and used for manure.
- Sanitary incinerators are installed in campus and hostel.

Liquid waste management

- Sewage Treatment Plant (STP) of 150KL/day capacity is in use both in the Institution campus and Hostel. The treated water is used for flushing and gardening purpose.
- Eco-friendly floor cleaners are used and the waste water is checked on a monthly basis. Disposal is done after treatment if necessary.
- Liquid chemicals from Chemistry and Environment Engineering Lab are disposed as per MSDS norms.

E-waste management

- Bins are provided across the campus to collect the E-waste across all departments. The collected material is disposed for recycling through authorized vendors.
- All Computers, batteries and electronic machinery is purchased under Buy-Back agreement.
- All CRT monitors are replaced by the LCD monitors.
- The lighting in the Academic, Administrative and Hostel areas is through LED bulbs.
- A solar plant of 25 KWp is installed on the roof top of D-Block and is connected to grid. 500KWp solar plant is under installation on the top of A-Block, B-Block, C-Block.
- Solar plant of 100 KWp is installed on the roof top of Vignana Jyothi Hostels and is connected to Grid.

File Description	Document
Link for Additional Information	View Document

7.1.6 Rain water harvesting structures and utilization in the campus

Answer:

- For effective use of water and identifying opportunities of water recycling and reuse, the water foot print calculation is implemented in the Institute canteen and hostels.
- To improve the ground water resources, the Rain water harvesting pits for recharging are initiated in the institute.
- The recently constructed D Block has been designed with a roof top that would enable collection of Rain water which is stored in a tank. The water is used for general purposes in the campus.
- Pipelines, taps and other sources of water discharge are periodically checked to avoid leakages.
- Sprinkler and Drip Irrigation system is installed for an improved infiltration in soil to avoid any loss of water.
- The recycled water from STP is used for toilets for flushing and gardening purposes in the institute and the hostels.

File Description	Document
Link for Additional Information	View Document

7.1.7 Green Practices

- **Students, staff using**
 - a) **Bicycles**
 - b) **Public Transport**
 - c) **Pedestrian friendly roads**
- **Plastic-free campus**
- **Paperless office**
- **Green landscaping with trees and plants**

Answer:

1. Students and staff

a) Bicycles

- Bicycles are available in the campus for short commutation. A few faculty and students use bicycles to travel from hostel/residence to the College.

b) Public Transport

- An exclusive public transport is provided for the students from distant locations in the city with the help of TSRTC. These vehicles are checked for pollution by the authorized agency.
- Exclusive transport facility is provided for staff, students, and hostlers by the institution.
- The Private transport, Institute vehicles and faculty owned vehicles have pollution check stickers. Random checks are made to check the validation and periodicity of this certificate.

c) Pedestrian Friendly Roads

- The path from the main gate to the academic buildings has Pedestrian friendly foot paths.
- The walkway is lined with trees and Solar lights.

2. Plastic Free Campus

- On-campus use of plastic is discouraged.
- Plastic cups and Paper cups lined with plastic/wax are banned in the canteen. The hot beverages are served in steel mugs/glass. Students and staff are motivated to use their own mugs/cups instead of paper cups.
- Priority is given to eco-friendly and indigenous brands.
- Plastic straws and plastic food packaging is not used in the campus.
- Plastic cutlery is replaced by steel/ bamboo cutlery.
- Awareness posters and pamphlets are displayed in prime locations of the campus.

3. Paperless office

- Internal communication in the campus is through e-mail or e-messages, driving towards paperless office.
- Course end surveys, feedback from students, parents, alumni, midterm exams, leave forms, payrolls etc., are made online, through Google forms/Google docs.
- The campus automation system, MOODLE and other interfaces are used for the student academic submissions.
- Double sided use of record sheets is followed in the laboratory.
- Double-sided printing option is being used at all terminals with access to printers.
- Recycling of paper is done by VNRSF (Vignana Jyothi Student Force). Paper waste if any will be sent to an external recycling unit and thus the paper is reused.

4. Green landscaping with trees and plants

- The Institute has a canopy of trees and plants that makes the environment carbon dioxide free to safeguard the health of all the inmates.
- The green belt (30% of total area) has green lawns and trees (maintains biodiversity) which provide shade and beautiful ambience.
- The drip method is used for watering plants so as to reduce the usage of potable water. There is minimal use of pesticides and fertilizers in the garden.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

7.1.8 Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years

Answer: 0.61

7.1.8.1 Total expenditure on green initiatives and waste management excluding salary component year wise during the last five years(INR in lakhs)

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
26.48	25.24	17.51	9.18	17.05

File Description	Document
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Details of expenditure on green initiatives and waste management during the last five years	View Document
Green audit report	View Document
Any additional information	View Document

7.1.9 Differently abled (Divyangjan) Friendlines Resources available in the institution:

1. Physical facilities
2. Provision for lift
3. Ramp / Rails
4. Braille Software/facilities
5. Rest Rooms
6. Scribes for examination
7. Special skill development for differently abled students
8. Any other similar facility (Specify)

Answer: A. 7 and more of the above

File Description	Document
Resources available in the institution for Divyangjan	View Document
Any additional information	View Document
link to photos and videos of facilities for divyangjan	View Document

7.1.10 Number of Specific initiatives to address locational advantages and disadvantages during the last five years

Answer: 79

7.1.10.1 Number of specific initiatives to address locational advantages and disadvantages year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
22	18	15	12	12

File Description	Document
Number of Specific initiatives to address locational advantages and disadvantages	View Document
Any additional information	View Document

7.1.11 Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere)

Answer: 215

7.1.11.1 Number of initiatives taken to engage with and contribute to local community year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
77	58	37	26	17

File Description	Document
Any additional information	View Document
Details of initiatives taken to engage with local community during the last five years	View Document

7.1.12

Code of conduct handbook exists for students, teachers, governing body, administration including Vice Chancellor / Director / Principal /Officials and support staff

Answer: Yes

File Description	Document
URL to Handbook on code of conduct for students and teachers , manuals and brochures on human values and professional ethics	View Document

7.1.13 Display of core values in the institution and on its website

Answer: Yes

File Description	Document
Any additional information	View Document
Provide URL of website that displays core values	View Document

7.1.14 The institution plans and organizes appropriate activities to increase consciousness about national identities and symbols; Fundamental Duties and Rights of Indian citizens and other constitutional obligations

Answer: Yes

File Description	Document
Any additional information	View Document
Details of activities organized to increase consciousness about national identities and symbols	View Document

7.1.15 The institution offers a course on Human Values and professional ethics

Answer: Yes

File Description	Document
Any additional information	View Document
Provide link to Courses on Human Values and professional ethics on Institutional website	View Document

7.1.16 The institution functioning is as per professional code of prescribed / suggested by statutory bodies / regulatory authorities for different professions

Answer: Yes

File Description	Document
Any additional information	View Document
Provide URL of supporting documents to prove institution functions as per professional code	View Document

7.1.17 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years

Answer: 68

7.1.17.1 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
17	18	14	9	10

File Description	Document
List of activities conducted for promotion of universal values	View Document
Any additional information	View Document

7.1.18 Institution organizes national festivals and birth / death anniversaries of the great Indian personalities

Answer:

India is a land of multi-ethnicity where people of different languages and cultures live together with peace and harmony. India is worldwide known for its cultural diversity and colorful festivals. The National festivals Gandhi Jayanti, the Independence Day and the Republic Day have a distinctive quality which sets them apart from other festivals. The institute recognizes and attests to the overriding importance of these red-letter days. It steps up preparations to mark the occasion, mobilizing all of its resources at each level.

Following table shows the list of various activities organized on national festival days and on great Indian leaders s birth anniversaries

S.No	National festival / Great Indian personality Birth / Death anniversaries	Activity organized
1.	Indian Republic day 26th January	Salute parade Parade by NSS and VNRSF volunteers is conducted showcasing the activities of the units National flag hoisting is done by the college topper among the girls
2	Indian Independence day 15th August	National flag hoisting is done by the college topper among the boys, followed by cultural activities by the college cultural clubs
3	Dr.Baba saheb Ambedkar birth anniversary 14th April	Competitions on social issues conducted and prizes distributed
4	Mahatama Gandhi and Lal Bahadur Shastri birth anniversaries 2nd October	Talks on social reformations and competitions in elocution and Debates conducted
5	Pandit Jawaharlal Nehru birth anniversary 14th November	Competitions in essay writing, singing, dance and debates is conducted and prizes given
6	Swamy Vivekananda birth anniversary 12th January	Competitions in essay writing and talks on National integration are arranged
7	Sardar Vallabhai Patel Birthday 13th October	Competitions in essay writing and talks on National integration are arranged

8	Smt Indira Gandhi Birth anniversary 19th October	Talks on leadership qualities are arranged
9	Sir Sarvepally Radhakrishnan Birth anniversary 5th September Teachers day	Talk on role of Teachers in the society by eminent speakers Cultural activities, felicitation to the senior most teachers organized
10	Sir Mokshagundam Visvesva raya birth anniversary 15th September Engineers day	Talk on role of Engineers in the society by eminent speakers organized
11	Babu Jagjivan ram Birth anniversary 5th April	Talks on leadership qualities arranged
12.	National Mathematics Day - birth anniversary of Srinivasa Ramanujan 22nd December	Talks by experts and Competitions are conducted

7.1.19 The institution maintains complete transparency in its financial, academic, administrative and auxiliary functions

Answer:

Finance:

- o The Institute has a well laid out process for allocation of budget for every financial year.
 1. Estimated budget proposals are prepared by the departments and sections keeping in view the development and updation of laboratory facilities, computing facilities, teaching-learning process enhancement, training and recurring expenses.
 2. Budget and Resources Committee meeting is held in the department to review the proposed budget based on which budget proposals are submitted to the Institute Finance Committee.
 3. After obtaining the budget approvals from Governing Council and Executive Committee of the management, the department receives the allocated budget towards the development activities.
- o All the financial transactions in the institution are carried out through cheque/Demand draft/online mode.
 1. The student fee is charged as per the State Government norms and is paid online through the bank.
 2. The salary paid to the employees is as per the norms of AICTE and UGC and are completely through bank transactions.
 3. The vendors are also paid through cheque/online transfer.
- o The audited financial statements are kept on the Institute website and annual reports with all the details are sent to UGC and University.

Academic:

- Academic transparency creates a motivating environment for the faculty. The faculty in our institute has the academic flexibility of choosing the subjects for teaching every semester. They teach from a higher platform, for, they have the freedom to select the mode of classroom delivery.
- Decisions related to academics are approved by the Academic Council of the department and the minutes of the committee are displayed on the website.
- Programs offered, curricula and prospectus are uploaded on the website.
- Academic calendar, Academic plan, Timetables are displayed to the students prior to the starting of the semester.
- Examination related notifications and circulars are widely displayed, circulated and kept on the website.
- Internal marks are displayed on department Notice Board and students are given an opportunity to verify the evaluated papers.
- Provision for students to apply for revaluation and recounting.

Administrative:

- Transparency is also maintained in admission of students and the Admission policy is as per the State Government norms.
- Service rules are made available on the institution website.
- The Administrative Policy Manual is made available to all the stakeholders where the roles and responsibilities are well defined.
- The institution has a participative management model where the faculty and the students are members of various committees of the institution and take part in decision making.
- Grievance redressal committee/ Internal Compliant Committee/ Mail ID are all in place.

Auxillary:

- Research and Consultancy policy is kept transparent to all the stakeholders.
- Information about the funding opportunities as and when released by funding agencies is circulated to provide equal opportunities to the entire faculty.
- Training and Placement activities are mailed to all the students from time to time and the details are also uploaded on the website.
- Funds received from the Government agencies are audited separately and submitted to the respective agencies.
- Student attendance is sent to the parent/guardian on a daily basis.

7.2 Best Practices

7.2.1 Describe at least two institutional best practices (as per NAAC Format)

Answer:

Best Practice-1

1. Title of the Practice

Fusion of “Learner-centric “ Pedagogy to achieve Graduate Attributes.

2. Objectives of the Practice

1. Develop “Learner– Centric Environment”.
2. Knowledge and Process Skills development through “Course-Based Projects”.

3. Enhance usage of “ICT in Teaching-Learning Process”.
4. Achieving “Graduate Attributes’ by all students

3. The Context

A fusion of several pedagogical - Learner-centric methods meets the needs of such diversity in various dimensions of TE in our institution.

4. The Practice

Inspired and imbibed with “The Seven Habits of Highly Successful People” at all a level, encourages intrinsic motivation.

1. **“Learning by Doing“**, **“Think-Pair-Share”** and **“Process Oriented Guided Inquiry Learning (POGIL)”** fosters cooperative learning and addresses different learning levels and styles.
2. Real-time application based learning is achieved by **“WIT and WIL TM “ “Story Board”** and **“VNR Lab Protocol TM “**.
3. **“Course-Based Projects”** provides platform for modeling and development of projects.
4. **“Career Vision Approach”** sets the goals for Teacher and student.
5. **“Flipped classroom & Blended learning”** and **ICT** fosters learning even outside traditional classroom

5.Evidence of Success

1. The interactive learning enhanced the team spirit, learning capabilities and soft skills and making them socially responsible.
2. Students’ proactive involvement Course projects and are part of research projects leading to Patent publications, Startups.
3. Success rate of the placements.

6. Problems Encountered and Resources Required

1. Learning styles and retention vary across the student fraternity creating a challenge to the classroom deliverables.
2. Adaptation of ICT teaching methodologies is challenging.

Best Practice-2

1. Title of the practice:

SOCIETAL EMPOWERMENT THROUGH STUDENT PROJECTS.

2. Objectives of the practice:

- Involve students and faculty in interdisciplinary research in cutting-edge technologies
- To sharpen the student's practical laboratory skills.
- To upgrade the student's ability to collect, analyze and interpret experimental data.

3. The Context:

The course structure assigns credits to the industry participation through Mini-Projects, Major Projects addressing the societal needs and Internships. The **Research and Consultancy Cell** of the institute, promotes research and innovation in technologies.

4. The Practice:

- Course-based projects, **Certificate Courses, Weekend projects lab** transform classroom learning into a project-based experience.
- **Big Idea Competition and VJ HUB** and **Entrepreneurship Development Cell** motivate students to incubate their ideas.
- **Centers of Excellence** are established in every department identifying the respective domain expertise.

5. Evidence of Success:

- Projects like Jarsh Pluto the first of its kind “Air Conditioned Helmet”, “Cough and wheeze analyzer for respiratory digital health services”, Solar Powered car and Weapon Locking and Tracking system won accolades at national Level.
- Collaborative projects like “Development of Effective wireless sensor network system for water quality and quantity monitoring” with IIIT Hyderabad. Automated Commando Training System for Greyhounds, and Driving simulator for X Design and 286 Social projects are executed successfully by students.

6. Problems Encountered and Resources Required

- Maintaining equilibrium between Research and Academia.
- Identifying and retaining the research team
- Expertize/training in upcoming technologies, on a continuous basis.
- Institutional network beyond the academic sphere.
- Development of non-scientific skills related to research.

Complete details in Additional information

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

7.3 Institutional Distinctiveness

7.3.1 Describe/Explain the performance of the institution in one area distinctive to its vision, priority and thrust

Answer:

VNR Vignana Jyothi Institute of Engineering and Technology’s (VNRVJIET) Vision, priority, and thrust are focused on:

- **Providing Value based education to excel in academics.**
- **Conducting Interdisciplinary research in cutting-edge technologies.**

- **Producing socially responsible engineers, managers, entrepreneurs leading to the sustainable socio-economic development of the nation.**

Dedicated to serving the society, VNR VJIET with its environment of innovation pledges to reinvent itself from time to time and has an integrated model for all its activities of teaching, research, innovation and extension activities. The distinctiveness of the institution lies in its philosophy “ **Education Process Re-engineering(EPR)/ VJ Spectral Pyramid** “.

The Education Process Re-engineering(EPR)/ VJ Spectral Pyramid Model is widely disseminated by four critical faces in the Organization to develop the structure under critical success factors and sub functions. The 4 faces are:

1. **Excellence in Academics**
2. **Exploration of Knowledge through Research**
3. **Excitement of Innovation & Entrepreneurship**
4. **Exponent for Development of a Rounded Personality with Global Vision and Social Responsibility**

Excellence in Academics:

A high quality of academic excellence can provide value-added experience for the students. The positive outcomes are achieved by designing the curriculum to meet the global requirements and through teaching-learning methods blended with ethical values. It outlines the commitment to academic performance expected of all students. The structured induction of the student into the curriculum enables to visualize the career opportunities and the approach towards achieving them.

Exploration of Knowledge through Research:

The Institute’s determination to be transformed into a center for major research is therefore, in itself, a commitment to offer high quality teaching through:

- Synergies between Research & Education Activities
- Research Based Learning & Teaching

The Course based projects, Social impact projects, certificate courses offered by the institute provides the knowledge regarding cutting edge technologies, enabling the students to carry out inter-disciplinary research. The Research and Consultancy Center (RCC), of the institute is equipped with advanced level research Laboratories to facilitate the academic and sponsored projects.

Excitement of Innovation & Entrepreneurship:

The institute provides a platform to business Start-ups to develop their ideas into commercially viable products. The students participate in the **Big Idea Competition** and the best ideas are rewarded. **Week End Lab** facilitates the students to work on innovative project ideas. **VJHUB** encourages the stakeholders to incubate the selected projects, by providing the seed money and infrastructure based on their credentials. **ED Cell** crucially works on generating the excitement in the young engineering brains to produce innovation and thus laying the stones for entrepreneurship.

Exponent for Development of a Rounded Personality with Global Vision and Social Responsibility:

Participation of students in Co-Curricular Activities (CCA) and Extra Curricular Activities (ECA) helps to enhance all rounded personality to strongly face the turbulent road of the future. Experiences and appreciations gained through these activities assist students during internships. Career guidance, Personal counselling, Training are well structured through a Mentoring Training and Placement (MTP) center. Student participation in ECA / CCA is facilitated through professional bodies and student associations.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

Extended Profile

Programme

Number of programs offered year wise for last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
22	22	22	20	18

Number of all programs offered by the institution during the last five years

Answer: 22

How many self-financed Programmes does the institution offer

Answer: 22

Number of new programmes introduced during the last five years, if any

Answer: 4

Number of UG programmes offered by the College, which are not covered under the Autonomous status of UGC

Answer: 0

Number of PG programmes offered by the College, which are not covered under Autonomous status of UGC

Answer: 0

Whether the College is offering professional programme

Answer: Yes

Student

Number of students year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
4783	4661	4360	3978	3406

Number of outgoing / final year students year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
906	791	831	746	534

Total number of outgoing / final year students

Answer: 3808

Number of students appeared in the University examination year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
4600	4446	4142	3798	3279

Number of revaluation applications year wise during the last 5 years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
649	285	170	150	124

Academic

Number of courses in all programs year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
781	799	781	631	462

Number of courses offered by the institution across all programs during the last five years

Answer: 781

Number of full time teachers year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
353	315	282	254	235

Number of full time teachers worked in the institution during the last 5 years

Answer: 481

Number of teachers recognized as guides during the last five years

Answer: 33

Number of sanctioned posts year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
353	315	282	254	235

Total number of publications during the last 5 years, which are included in online databases such as SCOPUS, web of science or PubMed/ Indian Citation Index

Answer: 500

Institution

Number of eligible applications received for admissions to all the programs year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
3880	3615	3464	3299	3057

Number of seats earmarked for reserved category as per GOI/State Govt rule year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
756	932	945	836	685

Total number of classrooms and seminar halls

Answer: 89

Total number of computers in the campus for academic purpose

Answer: 1996

Total Expenditure excluding salary year wise during the last five years (INR in Lakhs)

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
2959.83	4845.32	2105.13	2033.42	4564.02

Annual lighting power requirement (in KWH)

Answer: 144000

Annual power requirement of the institution (in KWH)

Answer: 552000

Conclusion

Additional Information :

The exponential increase in the number of Ph.D holders and project grants worth Rs.9.7 crore during the last 5 years and a proportional increase in innovations, incubation centers and startups is what VNRVJIET wishes to be recognized for. Making this possible was the reorientation of the institute/management goal from being a purely teaching to a research oriented institution.

Faculty and student interactions with entrepreneurs and grass root inventors, Open-House and Project Expo events are an opportunity once again for the faculty and the students to display their project ideas and gain dual advantage of financial support and honing of presentation skills.

The institute wishes to utilize this opportunity to proudly list out some achievements which stretch beyond prescriptive guide lines of Statutory Bodies. The annual TEDx events, the institutional financial support above Rs.2.5 crores for Sports, Technical and Cultural festivals, the gold medals, trophies, cash awards for excellence in these fields underscore the institute's commitment to the development of rounded student personality.

Concluding Remarks:

VNRVJIET has taken the best efforts to tailor its academic programmes in tune with the needs of the industry and the nation. A learner-centric, flexible system of education embedded with unique methods of teaching and learning along with transparent system of evaluation has earned the institution the present status of college with potential for excellence. The college has contributed for innovations in engineering and technology through research and addressed various issues of the industry through scientific research. The exponential increase in the number of Ph.D faculty from 33 during AY 2012-13 to 106 in 2017-18, journal publications 998 with 500 Scopus indexed, the conference publications aggregating to a total of 1131 during last 5 years is evidence for diligently spreading the research culture. VNRVJIET has excellent rapport with the environs and has contributed for the development of the state through teaching, research and extension. VNRVJIET has taken best efforts to build the state of the art facilities to the staff and students. Efforts taken to nurture the talents of the students has not only own placements for students in the leading industrials houses but also large number of awards and honors for the institution. The participatory and decentralized system of governance has instilled a sense of belongingness to the institution in the minds of all stakeholders. VNRVJIET resolves to enhance its contribution to the nation and the region through the provision of relevant and effective education and accomplish the vision of the institute.