



**Internal Quality Assurance Cell (IQAC) and
Submission of
Annual Quality Assurance Report (AQAR) 2015-16**



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद
विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
An autonomous Institute of University Grants Commission
P.O. Box NO. 1075, Opp. NLSIU, Nagarbhavi, Bangalore – 560072 India

The Annual Quality Assurance Report (AQAR) of the IQAC

All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC. *(Note: The AQAR period would be the Academic Year. For example, July 1, 2012 to June 30, 2013)*

Part – A

I. Details of the Institution

1.1 Name of the Institution

VNR VIGNANA JYOTHI INSTITUTE OF
ENGINEERING & TECHNOLOGY

1.2 Address Line 1

Vignana Jyothi Nagar, Bachupally

Address Line 2

Nizampet (S.O.)

City/Town

Hyderabad

State

Telangana

Pin Code

500 090

Institution e-mail address

postbox@vnrvjiet.in
principal@vnrvjiet.ac.in

Contact Nos.

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Name of the Head of the Institution:

Dr. C.D. Naidu

Tel. No. with STD Code:

040 - 23041516

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+919391008138

Name of the IQAC Co-ordinator:

Dr. Poonam Upadhyay

Mobile:

+91 9885280251

IQAC e-mail address:

iqac@vnrvjiet.in

1.3 NAAC Track ID (For ex. MHCOGN 18879)

14570

1.4 NAAC Executive Committee No. & Date:

EC/62/A&A/094 dated Jan. 5th 2013

(For Example EC/32/A&A/143 dated 3-5-2004.

This EC no. is available in the right corner- bottom
of your institution's Accreditation Certificate)

1.5 Website address:

www.vnrvjiet.ac.in

Web-link of the AQAR:

http://www.vnrvjiet.ac.in/uploaded_files/aqar_2015-16.pdf

For ex. <http://www.ladykeanecollege.edu.in/AQAR201213.doc>

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	A	3.21	2013	5 Years
2	2 nd Cycle				
3	3 rd Cycle				
4	4 th Cycle				

1.7 Date of Establishment of IQAC :

DD/MM/YYYY

18/02/2013

1.8 AQAR for the year (for example 2010-11)**2015-16**

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

- i. AQAR 2012-13 submitted to NAAC on 23-12-2013
- ii. AQAR 2013-14 Submitted to NAAC on 18-09-2014
- iii. AQAR 2014-15 Submitted to NAAC on 21-08-2015

1.10 Institutional Status

University State ☐ Central ☐ Deemed ☐ Private ☒

Affiliated College Yes ☒ No ☐

Constituent College Yes ☐ No ☒

Autonomous college of UGC Yes ☒ No ☐

Regulatory Agency approved Institution Yes ☒ No ☐

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education ☒ Men ☐ Women ☐

Urban ☒ Rural ☐ Tribal ☐

Financial Status Grant-in-aid ☐ UGC 2(f) ☒ UGC 12B ☒

Grant-in-aid + Self Financing ☐ Totally Self-financing ☒

1.10 Type of Faculty/Programme

Arts ☐ Science ☐ Commerce ☐ Law ☐ PEI (Phys Edu) ☐

TEI (Edu) ☐ Engineering ☒ Health Science ☐ Management ☐

Others (Specify)

1.11 Name of the Affiliating University (*for the Colleges*)

Jawaharlal Nehru Technological
University Hyderabad
(JNTUH), Telangana

1.12 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University

UGC

University with Potential for Excellence

☐

UGC-CPE

✓

DST Star Scheme

☐

UGC-CE

☐

UGC-Special Assistance Programme

☐

DST-FIST

✓

UGC-Innovative PG programmes

☐

Any other (*Specify*)

☐

UGC-COP Programmes

☐

2. IQAC Composition and Activities

2.1 No. of Teachers	14		
2.2 No. of Administrative/Technical staff	08		
2.3 No. of students	01		
2.4 No. of Management representatives	02		
2.5 No. of Alumni	01		
2.6 No. of any other stakeholder and community representatives	01		
2.7 No. of Employers/ Industrialists	02		
2.8 No. of other External Experts	01		
2.9 Total No. of members	30		
2.10 No. of IQAC meetings held	01		
2.11 No. of meetings with various stakeholders: No.	04	Faculty	01

Non-Teaching Staff Students Alumni Others

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

If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

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

Total Nos. International National State Institution Level

(ii) Themes

Seminar on Internal System of Quality Assurance in Higher Education by Prof. V.S. Prasad, Former Director, NAAC

2.14 Significant Activities and contributions made by IQAC

- Quality functional chart, based on NAAC quality criteria was prepared and implemented.
- Seminars were conducted for Faculty and Non-Teaching Staff to create awareness about Institutional quality aspects.
- Quality Indices for departments and the Institute are generated and implemented.
- Based on the indices, analysis is done in the areas of attendance, results, faculty publications, projects, faculty quality, placements, intake gender ratio etc..
- Analysis of research publications was done.
- Periodical internal and external meetings were conducted to review the institutional progress.
- Gap Analysis has been carried out based on last NAAC Accreditation report.

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year *

Plan of Action	Achievements
<ul style="list-style-type: none">• Gap Analyses based on previous NAAC accreditation Report• Regular analyses based on quality indices are prepared by IQAC• Preparation of a roadmap towards growth and improvement in all the criteria as per NAAC guidelines	<ul style="list-style-type: none">• Considerable amount of improvement was noticed in the publications, Quality of teaching and placements due to feedback provided to faculty and management based on analyses.• The indices made a great impact in improving the attendance, research, placements• Due to the circulation of the roadmap, the problems and measures of improvement were internalised

* Academic Calendar of the year as Annexure i.

2.15 Whether the AQAR was placed in statutory body

☒☐

Management

☐

Syndicate

☒

Any other body

☐

Provide the details of the action taken

The AQAR for the academic year 2015-16 was placed before the Governing council the members have suggested IQAC to prepare Extended Road map to improve the quality on Teaching learning evaluation, Research and consultancy and student progression.

Part – B

Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD			All programs are self - financed	22*
PG	14	0		
UG	8	0		
PG Diploma				
Advanced Diploma				
Diploma		0		
Certificate				
Others				
Total	22	-		

Interdisciplinary				
Innovative				

* Certificate Courses:

The Certificate courses are in the latest technologies and skill development for meeting the industry needs of contemporary times.

S.No.	Department	Name of the Course
1.	CE	Practical Training on Total Station
2.		Certificate course on Primavera
3.		Certificate course on ETABS
4.	ME	Non Destructive Testing
5.	AE	Skill Development in Programming
6.		CREO
7.		CATIA
8.		ANSYS
9.		JAVA
10.	CSE	Oracle Database 11g: Advanced PL/SQL
11.		Game development with utility
12.		Oracle Database 11G: SQL Fundamentals
13.	IT	Oracle Database 11g: SQL Fundamentals
14.		Advance Java Programming
15.	H&S	Business English Certificate

16.	ECE	Networking
17.		Digital Design & Synthesis
18.	EIE	Lab View
19.		PLC & SCADA
20.		Digital VLSI
21.		Networking
22.	EEE	Solar Photovoltaic Technologies and Embedded Systems Applications

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

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	22 (8 UG and 14 PG)
Trimester	
Annual	

1.3 Feedback from stakeholders* Alumni ☒ Parents ☒ Employers ☒ Students ☒
(On all aspects)

Mode of feedback : Online ☒ Manual ☒ Co-operating schools (for PEI) ☐

**Please provide an analysis of the feedback in the Annexure*

Annexure – ii : Student feedback format with sample analysis.

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

- Yes.
- The Curriculum changes are based on participation by and suggestions from Stakeholders.
- These changes are discussed by the faculty concerned at the Department Academic Committee headed by respective HOD.
- The accepted changes are presented to the Board of Studies. The BOS is constituted with members from the faculty, two academicians from affiliated universities, two members from industry and one member from the alumni. After the approval of the changes by the BOS, they are presented to institute academic council and then the changes are brought into force.
- New elective subjects are introduced in consultation with industry professionals.
- Certificate courses are introduced to support the curriculum and to enhance employment opportunities.
- Several courses have undergone minor and major revisions in order to make the curriculum globally competent.

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

Yes, Center for Data Sciences in the department of Computer Science

DATA SCIENCE LABORATORY FOR RESEARCH

1. Systems---26
2. Server -- 1
3. Funding AGENCY—FIST
4. Softwares—OS—Windows 10,Linux UBUNTU
S/W 1→ R-Language
S/W 2→ Hadoop frame work

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
345	263	55	27	-

2.2 No. of permanent faculty with Ph.D.

64

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
78	-	05	-	02	-	-	-	85	-

2.4 No. of Guest and Visiting faculty and Temporary faculty

6

6

-

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	80	25	-
Presented	94	25	-
Resource Persons	3	-	-

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

- VNR Lab Protocol (TM)
- Career Vision Approach (TM)
- POGIL
- Show & Tell
- Learning by Doing
- Chalk & Talk ; Role play
- Quizzing, Video film, visuals
- Mind maps problem solving game
- Group projects/presentation,
- MOOCS
- WIT& WIL
- ICT in education

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

180

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

Bar Coding

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

52

89

27

2.10 Average percentage of attendance of students

80

2.11 Course/Programme wise distribution of pass percentage :

B.Tech. – I Semester

Title of the Programme	Year of I Semester	Total no. of students appeared	Division				
			Distinction %	I %	II %	III %	Pass %
CE	I	119	51.26	22.69	3.36	0.00	77.31
	II	142	25.35	36.62	6.34	0.00	68.31
	III	139	59.71	28.06	1.44	0.00	89.21
	IV	141	58.16	36.88	0.71	0.00	95.74
EEE	I	119	73.11	9.24	0.00	0.00	82.35
	II	144	16.67	27.78	21.53	4.17	70.14
	III	143	35.66	39.16	9.79	1.40	86.01
	IV	71	40.85	40.85	16.90	1.41	94.37
ME	I	120	54.17	20.00	1.67	0.00	75.83
	II	143	30.07	27.97	4.20	0.00	62.24
	III	144	72.92	13.19	0.69	0.00	86.81
	IV	143	88.11	0.00	0.00	0.00	88.11
ECE	I	240	9.17	42.92	26.67	6.67	85.42
	II	287	62.02	16.72	4.18	0.00	82.93
	III	207	64.25	18.36	2.42	0.00	85.02
	IV	145	76.55	16.55	0.69	0.00	93.79
IT	I	58	74.14	12.07	1.72	0.00	87.93
	II	65	63.08	9.23	0.00	0.00	72.31
	III	60	43.33	36.67	10.00	1.67	91.67
	IV	63	63.49	25.40	6.35	0.00	95.24
EIE	I	120	25.83	19.17	0.00	0.00	45.00
	II	140	39.29	12.14	1.43	0.00	52.86
	III	140	45.71	22.14	2.86	0.00	70.71
	IV	109	50.46	33.03	2.75	0.00	86.24
CSE	I	241	78.84	13.28	3.73	0.00	95.85
	II	284	59.86	14.08	2.82	0.00	76.76
	III	210	72.86	12.86	1.43	0.00	87.14
	IV	138	64.49	23.91	5.07	0.00	93.48
AME	I	59	28.81	23.73	23.73	0.00	76.27
	II	61	18.03	6.56	0.00	0.00	24.59
	III	66	48.48	25.76	7.58	0.00	81.82
	IV	69	52.17	26.09	4.35	0.00	82.61

B.Tech. – II Semester

Title of the Programme	Year of II Semester	Total no. of students appeared	Division				
			Distinction %	I %	II %	III %	Pass %
CE	I	118	51.69	15.25	2.54	0.00	69.49
	II	141	39.01	19.86	2.84	0.00	61.70
	III	139	52.52	25.90	5.76	0.00	84.17
	IV	141	39.01	43.97	7.09	0.00	90.07
EEE	I	118	45.76	19.49	3.39	0.00	68.64
	II	143	23.78	21.68	32.17	7.69	85.31
	III	143	32.17	32.87	9.79	7.69	82.52
	IV	71	80.28	18.31	0.00	0.00	98.59
ME	I	120	52.50	22.50	0.83	0.00	75.83
	II	143	26.57	37.06	15.38	0.00	79.02
	III	142	59.86	26.76	6.34	0.00	92.96
	IV	143	20.98	55.24	16.78	0.00	93.01
ECE	I	240	18.75	37.50	20.00	3.75	80.00
	II	286	63.64	16.43	3.85	0.00	83.92
	III	208	47.12	28.37	8.17	0.00	83.65
	IV	143	81.82	6.29	0.00	0.00	88.11
IT	I	60	60.00	15.00	0.00	0.00	75.00
	II	65	53.85	23.08	4.62	0.00	81.54
	III	60	75.00	10.00	0.00	0.00	85.00
	IV	63	93.65	3.17	0.00	0.00	96.83
EIE	I	110	51.82	12.73	0.00	0.00	64.55
	II	140	27.14	12.14	15.71	1.43	56.43
	III	140	49.29	18.57	7.86	0.00	75.71
	IV	109	77.98	16.51	2.75	0.00	97.25
CSE	I	242	68.60	14.05	1.24	0.00	83.88
	II	284	53.17	20.77	8.45	0.35	82.75
	III	209	75.60	11.96	2.39	0.00	89.95
	IV	138	94.20	5.07	0.00	0.00	99.28
AME	I	56	42.86	17.86	3.57	0.00	64.29
	II	70	25.71	10.00	8.57	1.43	45.71
	III	64	42.19	28.13	1.56	0.00	71.88
	IV	69	88.41	0.00	0.00	0.00	88.41

I M.Tech. – I Semester

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
Structural Engg.	13	61.54	7.69	0	0	69.23
Highway Engg.	4	100.00	0.00	0.00	0	100.00
Geotech. Engg.	4	25.00	25.00	0	0	50.00
Power Electronics	13	53.85	38.46	0	0	92.31
Power Systems	3	100.00	0.00	0	0	100.00
AMS	11	36.36	63.64	0	0	100.00
Automation	6	50.00	33.33	0	0	83.33
CAD/CAM	9	44.44	22.22	11.11	0	77.78
Embedded Systems	14	14.29	57.14	28.57	0	100.00
VLSI Systems Design	12	8.33	50.00	25	0	83.33
CNIS	16	68.75	0.00	0	0	68.75
Instrumentation	5	80.00	20.00	0	0	100.00
Software Engg	15	26.67	40.00	6.67	0	73.33

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

IQAC has prepared a roadmap of quality Teaching and Learning. IQAC continually monitors and evaluates Teaching –Learning by:-

- Evaluating and analysing results and suggesting measures for improvement.
- Analysing the feedback given by students and other stake holders.
- Monitoring the student and staff attendance on daily / monthly basis.
- Conducting quality related seminars.
- Generating quality indices on diverse teaching-learning parameters in order to specify lag and lead indicators that help further improvement and corrections.
- Conducting regular internal meetings with the Management, Principal, Heads of the Departments for continuous inputs.
- Internal Academic Audit

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	26
UGC – Faculty Improvement Programme	2
HRD programmes	2
Orientation programmes	29
Faculty exchange programme	2
Staff training conducted by the university	4
Staff training conducted by other institutions	60
Summer / Winter schools, Workshops, etc.	218
Others	23

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	74	-	-	-
Technical Staff	88	-	-	-

Criterion – III

3. Research, Consultancy and Extension

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

- IQAC through the Institute's Research and Consultancy Centre (RCC) provides information about various research proposals and scope for publications to the faculty members.
- Through RCC , It recognises faculty members who have made significant contribution to research.
- IQAC analyses research publications, research projects and promotes quality research.
- Incentives are given to the faculty to publish papers in peer reviewed journals and conferences

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	17	7	-	-
Outlay in Rs. Lakhs	217.68	98.08	-	-

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	01	07	-	08
Outlay in Rs. Lakhs	3.5	19.59	-	29.8

3.4 Details on research publications

	International	National	Others
Peer Review Journals	234	11	-
Non-Peer Review Journals	3	-	-
e-Journals	6	-	-
Conference proceedings	96	19	-

3.5 Details on Impact factor of publications:

Range Average h-index Nos. in SCOPUS

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned (in lakhs)	Received (in lakhs)
Major projects	3 Years	DRDO, DST, AICTE	134.36	103.65
Minor Projects	2 Years	AICTE, UGC	52.89	47.8
Interdisciplinary Projects	3/2 Years	ITRA, AICTE, DRDO	77.27	53.83
Industry sponsored	3/2 Years	X- Design Ventures, Drive Logics, Ananth Technologies	108.37	94.23
Projects sponsored by the University/ College	1 Year	VNRVJIT	37.65	36
Students research projects (other than compulsory by the University)		MSME	10.76	1.353
Any other(Specify)		MSME	18.75	5.625
Total			372.89	299.51

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

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

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

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

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution	Level	International	National	State	University	College
	Number	-	02	-	-	-
	Sponsoring agencies	-	TEQIP-II, VNRVJIET	-	-	-

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

3.13 No. of collaborations International National Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs :

From Funding agency From Management of University/College

Total

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	03
	Granted	--
International	Applied	--
	Granted	--
Commercialised	Applied	--
	Granted	--

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

Total	International	National	State	University	Dist	College
13	3	2		2		6

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

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

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

JRF SRF Project Fellows Any other

3.21 No. of students Participated in NSS events:

University level	<input type="text" value="80"/>	State level	<input type="text" value="-"/>
National level	<input type="text" value="80"/>	International level	<input type="text" value="-"/>

3.22 No. of students participated in NCC events:

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

3.23 No. of Awards won in NSS:

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

3.24 No. of Awards won in NCC:

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

3.25 No. of Extension activities organized

University forum	<input type="text"/>	College forum	<input checked="" type="checkbox"/>	
NCC	<input type="text"/>	NSS	<input checked="" type="checkbox"/>	Any other <input type="text" value="VNRSF"/>

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

- Blood donation
- Conducted harithaharam plantation program
- Awareness camps on social problems
- Mega Health camp
- Special camps in rural villages
- Open day programs
- Technology learning programs in schools
- Open house – a project Expo

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Sources of Funds	Total
Campus area	21.13 Acres		Donation from Patrons of the society	21.13 Acres
Class rooms	101 (62 class rooms + 39 Tutorial rooms)	-	<ul style="list-style-type: none">• Donation from Patrons of the society• Tuition Fee	101
Laboratories	119	3	<ul style="list-style-type: none">• Institute	122
Seminar Halls	10	13	<ul style="list-style-type: none">• Institute	23
No. of important equipments purchased (\geq Rs 1-0 lakh) during the current year.	15	67	<ul style="list-style-type: none">• FIST• Institute	82
Value of the equipment purchased during the year (Rs. in Lakhs)	193.62	93.51	<ul style="list-style-type: none">• Institute	287.13
Others	Classroom are equipped with audio visual Aids	--	Institute Funds	--

4.2 Computerization of administration and library

- Campus Automation Management system
- Complete Wi-Fi in campus
- Website for public access
- Electronic Resource management
- E-journals
- Content Management
- Computers and Printers

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value in Rs	No.	Value in Rs	No.	Value in Rs
Text Books	71468	165,54,133	1744	7,17,707	73212	172,71,840
Reference Books	12849		1012		13861	
e-Books	1520	Downloads	1008	Downloads	2528	Downloads
Journals	257	7,49,489			257	6,55,252
e-Journals	8 packages	17,44,461	2 packages (renewal + New)	4,76,856	10 packages	24,27,541
Digital Database						
CD & Video	2406	Downloads			2406	Downloads
Others (specify)						

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Institute Computer Centres	Office	Departments	Others
Existing	1400	20	100 MBPS	1	1	3	9	1
Added	200	07	255 MBPS	-	-	-	-	-
Total	1600	27	355 MBPS	1	1	3	9	1

4.5 Computer, Internet access, training to teachers and students and any other programme for technology

upgradation (Networking, e-Governance etc.)

- Domain Engineering
- Engineer in Mirror
- N/W Forensics Workshop and Cyber Forensics Workshop
- Guest lectures for teachers and students
- Faculty Development programs
- Webinars
- Workshop for both Faculty & Students

4.6 Amount spent on maintenance in lakhs of rupees:

i) ICT	126.49
ii) Campus Infrastructure and facilities	1293.15
iii) Equipment	303.04
iv) Others	-
Total :	1722.68

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

IQAC contributes through regular updates in College web-site for circulating the following necessary information

- Information from library about the new addition of books, journals and periodicals
- The Placement cell Career Counselling and Guidance
- Career Vision Promotion Centre
- Attendance monitoring and corrective measures
- Relationship management Cell
- Regular interaction with students in meetings and classrooms
- Corrective measures based on students' feedback
- Through Grievance Redress Cell
- Through Women Support Cell
- Through Finishing School
- Through 'Show and Tell'

5.2 Efforts made by the institution for tracking the progression

- Student progression is recorded in MTP Books
- Result analysis and improvement is tracked; remedial classes are arranged accordingly
- Review of Seminars/Presentations of Projects at 'Show & Tell' Platform
- Daily Attendance tracking through Campus Automation System and alerting the students, parents through SMS.
- Apart from MID Exams, Assignments and End exams, continuous in-house assessment through tests, assignments, Group Discussions, Presentations etc. and continuous feedback.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
4337	299	--	--

(b) No. of students outside the state

(c) No. of international students

Men	No	%	Women	No	%
	2941	63.44		1695	36.56

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
2088	501	198	1570	9	4366	2223	524	210	1679	11	4636

No. of Applications for other category (Other than Convenor quota) : **1849**

No. of seats for other category: **324**

Demand ratio **1:6** Dropout % : **1 %**

Note: Convenor quota admission is thorough web counselling hosted by the Affiliating University i.e. JNTU Hyderabad

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

- The Advanced English Communication Skills Lab at 3rd year and the Finishing School prepare / train the students for competitive exams along with their support to the placement cell.
- Campus Recruitment Training not only for campus but also for other competitive exams like banks, railways, postal's etc.,

No. of students beneficiaries

590

5.5 No. of students qualified in these examinations

NET		SET/SLET		GATE	46	CAT	12
IAS/IPS etc		State PSC	10	UPSC		Others	110

5.6 Details of student counselling and career guidance

- Mentors are available
- Mentor to student ratio 1:20
- Each mentor takes care of the academics and welfare of the student assigned.
- Parents of these students are updated about the performance by their respective mentors by meetings and communication through SMS and Mails.
- Mentoring weekly
- Certificate courses are conducted for career advancement.

No. of students benefitted

798

5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
66	804	590	in progress for Batch 2016

5.8 Details of gender sensitization programmes

- Gender sensitization is taken into account right from admission to equity action plan so as to ensure a balanced ratio between male-female.
- Institutional Women's Cell is instrumental in dealing with issues if any.
- A course on Gender sensitisation is introduced for all II year B.Tech Students.

5.9 Students Activities

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

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

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

Sports : State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

	Number of students	Amount in Rs
Financial support from institution	38	49,69,750
Financial support from government	2933	14,09,69,300
Financial support from other sources	-	-
Number of students who received International/ National recognitions	-	-

5.11 Student organised / initiatives

Fairs : State/ University level National level International level

Exhibition: State/ University level National level International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed: _____

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

VISION

To be a World Class University providing value-based education, conducting interdisciplinary research in cutting edge technologies leading to sustainable socio-economic 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

6.2 Does the Institution has a management Information System

Campus Automation Management System (CAMS) is in place. The following modules are used and all the activities are automated through the CAMS software.

1. Academics
2. Examinations
3. Finance and Accounts
4. Human Resources
5. Purchase & Stores
6. Web portal & Alumni
7. Administration
8. E-Learning
9. Training & Placement

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

6.3.1 Curriculum Development

Every Department has BOS committee that suggests changes for improvement and upgradation of the curriculum after discussions. The suggestions are implemented after it is ratified by the Academic Council.

After the Autonomy of the institute, The syllabi were revised twice, with the objective of –

1. Making the curricula on par with the industry requirement
2. Making it sustainable in the international scenario.

It has been made mandatory to map every course objective with the course outcome. A course end survey is conducted at the end of every course and necessary measures are taken. The results of mid exams are mapped with Course Outcomes and the achievement levels are indexed.

6.3.2 Teaching and Learning

Active Learning methods are implemented to bring innovation within classrooms. Continuous seminars/ lectures / workshops are arranged for the faculty to enable them to create a learner centric environment.

The new approaches include:-

- POGIL (Process Oriented Guided Inquiry Learning)
- Mind Map / Concept Map
- Learning by Doing (LBD)
- Videos / Visuals
- Group Discussion
- Student Presentations
- Flipped Classroom
- Blended Learning
- Projects by Students
- Role Play
- Inquiry based learning
- Lab Protocol
- Story Board and LAB Management posters in the Laboratories
- Extensive use of ICT in teaching learning is incorporated
- Regular Knowledge sharing meetings/seminars among faculty

6.3.3 Examination and Evaluation

Reforms in examination & Evaluation

- Continuous assessment is done through tests, Assignments, Mini Projects, Presentations in ‘Show and Tell’ and Project Demonstration.
- Assignment Tests are introduced
- Question paper pattern is changed in order to test the students in their overall understanding of the subject.
- Objective questions for 1, 2 and 3 marks are introduced both in Mid and Final examinations.
- Pre-auditing of question papers and post auditing of answer scripts

6.3.4 Research and Development

Research and Development is continually promoted through –

- Research & Consultancy Cell
- Encouraging the faculty through lectures / seminars / workshops
- Creation of ‘Show and Tell’
- Faculty members are encouraged and supported to publish papers and also present papers in conferences through incentives like travel reimbursement, funding and awards
- Incentives are given for good publications and project proposals.
- ‘My Big Idea’ competition is conducted every month. Best idea is given cash prizes.

6.3.5 Library, ICT and physical infrastructure / instrumentation

- Increase in number of computers in the library
- Affordance of digital information
- Constant upgradation of number of books and journals.
- Availability of e- database
- E-learning sources
- ICT and Smart Classroom
- Institute Automation – CAMS
- New computers in Multi-Media Lab
- ICT A-View S/w setup has been done
- Career Vision
- NPTEL Learning centre Established

6.3.6 Human Resource Management

- Payroll is as per norms
- Time and Attendance are monitored on a daily basis
- Performance record is maintained
- Performance appraisal is conducted
- Faculty and Staff recruitment are always based on merit.
- Seminars / trainings are conducted to train the newly recruited faculty
- Micro-teaching workshops are conducted for the new faculty
- Several internal workshops are held to train the faculty and staff to enable them to update their knowledge.
- IQAC creates awareness among faculty regarding quality
- Grievance cell is present to address issues for both staff and students

6.3.7 Faculty and Staff recruitment

- Faculty and staff are recruited as per UGC guidelines, based on merit and specific faculty need in the department
- Faculty from different universities and also from various National and international institutions are recruited to improve quality of education
- Faculty are recruited through interviews by properly constituted selection Committee.
- Diversity is maintained in recruiting Faculty and Staff.
- Faculty recruitment is as per guidelines
- Ratification of Faculty by University Selection Committee

6.3.8 Industry Interaction / Collaboration

The following approaches of the Institute involves planned continuous Industry Interaction Annually–

- ‘Shadow Engineering’
- ‘Engineer in Mirror’
- ‘Career Vision’
- Projects
- Guest Lectures
- Placement Training

6.3.9 Admission of Students

Students are admitted on the basis of merit through state wide entrance examination EAMCET conducted by State Government.

6.4 Welfare schemes for

Teaching	Group Insurance
Non teaching	Medical Assistance
Students	Insurance

6.5 Total corpus fund generated in Rs

513,76,049 /-

6.6 Whether annual financial audit has been done

☒ Yes ☐ No

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic			<input checked="" type="checkbox"/>	Academic Audit Cell
Administrative				

6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes Yes ☒ No ☐

For PG Programmes Yes ☒ No ☐

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

- Bar coding is used in the answer scripts.
- Recounting and Revaluation facility is provided to the student.
- CGPA system is used for the award of division.

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

- Promoting academic freedom in autonomous college by encouraging lab linked theory courses in the curriculum.
- Providing more options for elective courses
- Providing options like Finishing School to take value added courses for better employability.
- Bringing in a change by introducing Choice based Curriculum
- Making conscious efforts towards supporting the socially disadvantaged section through learning and financial support

6.11 Activities and support from the Alumni Association

- Alumni association is providing grants for technical and non-technical events.
- Support the placement cell with various training and industry inputs.
- An online portal of the alumni is created to enable them to collaborate with the institution for various activities.
- Guest lectures are conducted for students by Alumni as part of Career Vision approach.
- Alumni are involved in mentoring the students, conducting mock interviews, providing industrial and professional tips etc.

6.12 Activities and support from the Parent – Teacher Association

- Parents are regularly invited to discuss the need / problem / progress of their wards
- Relationship Management Cell is created chiefly to strengthen the parent- teacher relationship.

6.13 Development programmes for support staff

- 1 Training / workshop/seminars / FDP are conducted
- 2 Academic / study leaves are granted to encourage higher education
- 3 Financial support is given for acquiring higher qualification

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

- Plantation programmes are organised
- Use of sprinklers to water the plants

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

Best Practices :

1. Training Programmes for students First-Rate Placements
2. Education Process Re-Engineering with VJ Spectral Pyramid (TM)
3. Shadow Engineering
4. Institute Calendar
5. VNR Lab Protocol (TM)
6. Career Vision Approach (TM)
7. Engineer in Mirror
8. Show and Tell
9. Teaching through Learning by Doing methods
10. Story Board

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

- IQAC has developed quality indices to monitor and improve attendance, results, placement, classroom and lab quality etc.
- The Curricula / Syllabi of courses are oriented to ensure program outcome
- Extensive training programs are conducted for faculty members for enhancing Pedagogical approaches
- Departments have imbibed quality research culture
- Active learning methods are implemented
- The curricula is revised and improved towards a learner centric approach.
- Faculty are encouraged to submit project proposals

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

- 1) Use of MTP Record
- 2) Story board & Lab Management

[Note: Details along with photographs should be provided]

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

Annexure – ii : Best Practices.

7.4 Contribution to environmental awareness / protection

VNRVJIET seeks to provide an education that combines social cultural and environmental awareness with the mission to promote wisdom, spiritual growth and contribution to the common good.

VNRVJIET demonstrate its strong commitment to environmental responsibility through these commitments:

- ✓ Strive within the limits of practical considerations to conserve energy and resources, reduce waste, purchase environment friendly products, and minimize adverse impact on the surrounding environment.
- ✓ Recognize and promote efforts to increase a deep, aesthetic, spiritually based awareness of our connection to the environment among the students of this institute.
- ✓ Every year plantation program is conducted in the campus.

7.5 Whether environmental audit was conducted? Yes ☐ No ☒

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

8. **Plans of institution for next year**

The Plan for improvement in the next year covers the following areas –

- International Conferences
- Student Placements
- Quality Publications
- Research Projects
- Consultancy work

Name : Dr. Poonam Upadhyay



Signature of the Coordinator, IQAC

Name : Dr. CD Naidu



Signature of the Chairperson, IQAC

Abbreviations:

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

Annexure – i

VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY AN AUTONOMOUS INSTITUTE ACADEMIC CALENDAR 2015- 16 I B.Tech Courses		
EVENT	I - SEMESTER	II - SEMESTER
Commencement of class work Induction Programme	03 August, 2015	18, January, 2016
Induction Programme	03-04 August, 2015	--
I CRC Meetings / Students Feed Back	09-11 September, 2015	24-26 February, 2016
I MID term examination	05-07 October, 2015	14-16 March, 2016
End-Semester Examinations Registration and fee payment	12-16 October , 2015	21-26 March , 2016
II CRC Meetings / Students Feed Back	23-25 November, 2015	06-08 April , 2016
Lab internal examination	30 Nov – 05 Dec, 2015	25-30 April, 2016
Remedial classes / Make-up classes (beyond normal class work)	02-11 December, 2015	02-10 May, 2016
Last working day of the Semester	11 December, 2015	10 May, 2016
II MID term examination	14-16 December, 2015	11-13 May, 2016
End-Semester Exams – Lab & Preparation	17-26 December, 2015	14-22 May, 2016
End-Semester Exams-Theory	28 Dec – 09 Jan, 2016	23 May- 04 June,2016
Summer vacation for the students		05 th June – 3 rd July, 2016
Institute Re-opens for the Academic year 2016-17	04 th July, 2016	


PRINCIPAL

Copy to:-

1. All HOD's
2. All Deans
3. Controller of Examinations
4. Head Office for information
5. A.O
6. Sectional Heads

Prepared by:-P.V.Siva Kumar, Co-ordinator, Academic Section

Date: 22.07.2015

VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY AN AUTONOMOUS INSTITUTE ACADEMIC CALENDAR 2015-16 II B.Tech Courses		
EVENT	I - SEMESTER	II - SEMESTER
Commencement of class work Induction Programme	13 July, 2015	21 December, 2015
I CRC Meetings / Students Feed Back	12-14 August, 2015	21-23 January, 2016
I MID term examination	7-9 September, 2015	18-20 February, 2016
End-Semester Examinations Registration and fee payment	7-11 September, 2015	22-27 February, 2016
II CRC Meetings / Students Feed Back	5-7 October, 2015	29-31 March, 2016
Lab internal examination	2-6 November, 2015	4-9 April, 2016
Remedial classes / Make-up classes (beyond normal class work)	2-12 November, 2015	4-15 April, 2016
Last working day of the Semester	18 November, 2015	16 April, 2016
II MID term examination	19-21 November, 2015	18-20 April, 2016
End-Semester Exams – Lab & Preparation	23-28 November, 2015	21-30 April, 2016
End-Semester Exams-Theory	30 Nov – 12 Dec, 2015	2-14 May, 2016
Summer vacation for the students		15 May – 3 July, 2016
Institute Re-opens for the Academic year 2016-17	4 July, 2016	


PRINCIPAL

Copy to:-

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4. Head Office for information
5. A.O
6. Sectional Heads

Prepared by:-P.V.Siva Kumar, Co-ordinator, Academic Section

Date: 10.06.2015

VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY AN AUTONOMOUS INSTITUTE ACADEMIC CALENDAR 2015-16 III & IV B.Tech Courses		
EVENT	I - SEMESTER	II - SEMESTER
Commencement of class work Induction Programme	06 July, 2015	21 December, 2015
I CRC Meetings / Students Feed Back	12-14 August, 2015	21-23 January, 2016
I MID term examination	3-5 September, 2015	18-20 February, 2016
End-Semester Examinations Registration and fee payment	7-11 September, 2015	22-27 February, 2016
II CRC Meetings / Students Feed Back	7-9 October, 2015	29-31 March, 2016
Lab internal examination	2-6 November, 2015	4-9 April, 2016
Remedial classes / Make-up classes (beyond normal class work)	2-12 November, 2015	4-15 April, 2016
Last working day of the Semester	13 November, 2015	16 April, 2016
II MID term examination	16-18 November, 2015	18-20 April, 2016
End-Semester Exams – Lab & Preparation	19-28 November, 2015	21-30 April, 2016
End-Semester Exams-Theory	30 Nov – 12 Dec, 2015	2-14 May, 2016
Summer vacation for the students		15 May – 3 July, 2016
Institute Re-opens for the Academic year 2016-17	4 July, 2016	


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- 2. All Deans**
- 3. Controller of Examinations**
- 4. Head Office for information**
- 5. A.O**
- 6. Sectional Heads**

Prepared by:-P.V.Siva Kumar, Co-ordinator, Academic Section

Date: 10.06.2015

Revised Academic Calendar

VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY AN AUTONOMOUS INSTITUTE ACADEMIC CALENDAR 2015-16 M.Tech Courses		
EVENT	I - SEMESTER	II - SEMESTER
Commencement of class work	14 September, 2015	14 March, 2016
<ul style="list-style-type: none"> Soft skills training/ Communication skills / Group discussions / Employability skills / Technical skills 	Starts from 2 nd week of the semester – Every Wednesday 1:20 PM to 4:20 PM	Starts from 2 nd week of the semester – Every Wednesday 1:20 PM to 4:20 PM
I CRC Meetings / Students Feed Back	02-04 November, 2015	21-23 April, 2016
I MID term examination	30 Nov - 05 Dec, 2015	09-14 May, 2016
End-Semester Examinations Registration and fee payment	07-12 December, 2015	01-04-June, 2016
High intensity Campus Recruitment Training	—	20 June – 2 July, 2016
II CRC Meetings / Students Feed Back	21-23 January, 2016	27-29 June, 2016
Lab internal	26-30 January, 2016	04-08 July, 2016
Last working day of the Semester	06 February, 2016	23 July, 2016
II MID term examination	08-13 February, 2016	25-30 July, 2016
Preparation & End-Semester Exams-Lab and Mini Project Evaluation	15 – 20 February, 2016	01-05 August, 2016
End-Semester Exams – Theory	22 Feb -04 Mar, 2016	08-20 August, 2016
Summer vacation for the students <ul style="list-style-type: none"> Industry Training / Mini Project Training on Employability Skills 		15 th May – 28 th May, 2016
	III & IV SEMESTER 22.08.2016 to 15.04.2017	
Project Registration	22.08.2016 to 25.08.2016	
Project Seminar-I	03.10.2016 to 07.10.2016	
Comprehensive Viva	12.12.2016 to 17.12.2016	
Project Seminar – II	20.02.2017 to 25.02.2017	
Pre Submission Seminar	03.04.2017 to 15.04.2017	
Thesis Submission	17.04.2017	



Dean, Academics


PRINCIPAL

Copy to:-

1. All HOD's
2. All Deans
3. Controller of Examinations
4. Head Office for information
5. A.O
6. Sectional Heads

Prepared by :- Dr.P.V.Siva Kumar, Co-ordinator, Academic Section

Date:04.03.2016

Annexure – ii

Feedback Form :

VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING & TECHNOLOGY

(An UGC Autonomous Institute, Accredited by NBA, NAAC “A” Grade)

Bachupally, Nizampet (S.O.), Hyderabad – 500 090.

STUDENT FEED BACK

Branch: Section: --- I B.Tech. I Semester – End Oct.' 2015

S.No	Name of the Subject	Name of the Faculty
1		
2		
3		
4		
5		
6		
7		
8		

Mark the rating of the teacher E / G / S / U in the following table

(E - Excellent; G - Good; S - Satisfactory; U - Unsatisfactory)

S.No.	Description	Subject S.No.							
		1	2	3	4	5	6	7	8
1	Creates interest in the subject								
2	Planning & Delivery of subject								
3	Subject knowledge								
4	Audibility and Clarity								
5	Blackboard Management								
6	Clarification of doubts and thought provoking								
7	Regularity in taking classes								
8	Discipline in the class								
9	Correction of Assignments/Tutorials / Mid exams								
10	Accessibility of the Teacher								

Your valuable suggestions for improvement:

Sample feedback:

V N R Vignana Jyothi Institute of Engineering & Technology

Bachupally, Nizampet (S.O), Hyderabad – 500 090

Student Feedback - Academic Year 2015-16

I B.Tech. – I Semester (End) – Jan.' 2016

Branch : CSE

Section : I

Subject:	Advanced Calculus	Name:		J. Srinivas							
S.NO.	DESCRIPTION	E	G	S	U	E*5	G*4	S*3	U*1	Total	Feedback (Q.wise)
1	Creates interest in the subject	21	28	8	1	105	112	24	1	242	4.17
2	Planning & Delivery of Subject	26	27	5	0	130	108	15	0	253	4.36
3	Subject knowledge	41	15	2	0	205	60	6	0	271	4.67
4	Audibility and Clarity	27	25	6	0	135	100	18	0	253	4.36
5	Blackboard Management	33	21	4	0	165	84	12	0	261	4.50
6	Clarification of doubts and thought provoking	26	26	6	0	130	104	18	0	252	4.34
7	Regularity in taking Class	48	8	2	0	240	32	6	0	278	4.79
8	Discipline in the class	37	19	2	0	185	76	6	0	267	4.60
9	Correction of Assignments/ Tutorials/Mid exams	43	11	4	0	215	44	12	0	271	4.67
10	Accessibility of the Teacher	32	22	3	1	160	88	9	1	258	4.45
										Total	44.91
										Feedback	4.49

Subject:	Engineering Physics	Name:		K.S. RUDRAMAMBA							
S.NO.	subject knowledge	E	G	S	U	E*5	G*4	S*3	U*1	Total	Feedback (Q.wise)
1	Creates interest in the subject	11	32	10	5	55	128	30	5	218	3.76
2	Planning & Delivery of Subject	18	32	6	2	90	128	18	2	238	4.10
3	Subject knowledge	20	34	3	1	100	136	9	1	246	4.24
4	Audibility and Clarity	30	21	7	0	150	84	21	0	255	4.40
5	Blackboard Management	30	25	3	0	150	100	9	0	259	4.47
6	Clarification of doubts and thought provoking	23	28	5	2	115	112	15	2	244	4.21
7	Regularity in taking Class	38	19	1	0	190	76	3	0	269	4.64
8	Discipline in the class	27	26	4	1	135	104	12	1	252	4.34
9	Correction of Assignments /Tutorials/Mid Exams	34	23	1	0	170	92	3	0	265	4.57
10	Accessibility of the Teacher	26	29	3	0	130	116	9	0	255	4.40
										Total	43.13
										Feedback	4.31

Annexure - iii

Best Practices

Best Practice-1

1. Title of the Practice :

The MTP book Practice

2. Goal :

The aim is to record all the activities of a student beginning from induction, to mentoring and , training for academic and career related activities, placements, co-curricular and extracurricular activities, to his/her launch into the chosen career. Then make a check of his/her performance in academics and co-curricular activities, guide and mentor the student towards success.

3. The Context :

There were certain challenging issues that had to be addressed in designing the MTP book. Mentoring, SWOT analysis, attendance, training for placements and time spent on extra curricular activities had to be addressed in designing and implementing the practice. Thus the MTP book is a record of :

- i) Induction programme
- ii) Attendance and academic particulars
- iii) Monitoring by mentors
- iv) SWOT analysis
- v) Training for placements
- vi) Matrixing for Roll on of projects
- vii) Student data at the exit for alumni cell

4. The Practice

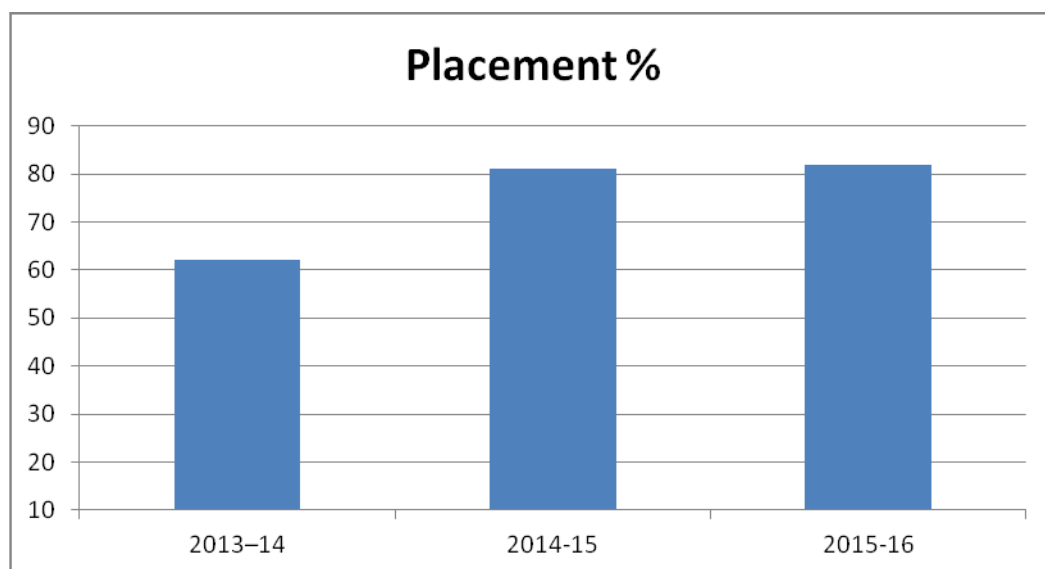
First year B.Tech students are given MTP book on his/her induction day to the institute and mentors are allotted to them for their entire four years stay in the institute.

The following are the functions carried out through the MTP book and recorded in the MTP book after which follow up action is also taken.

- i) Mentoring- the interactive process between a student and his/her Mentor. Through regular mentoring sessions, the mentor interacts with the student to guide, mentor, monitor and advise on academic, personal and career related aspects.
- ii) SWOT analysis –The strengths ,weaknesses and opportunities of the students are recorded every year and these are acted on for the personal growth and development of the student. The opportunities for the students and the training requirements are identified through this SWOT analysis, and regular guidance and suitable training is suggested and provided.Students going through this process become better equipped to avail good opportunities for career building.
- iii) The attendance and academic progress- is consistently monitored by the mentor. Suitable advice is given to further improve/enhance the performance.
- iv) Industrial visits and internships-Students are taken to Industrial Visits related to their domain areas.There is also scope for the student in the program to undergo Internship to bridge the gap between Industry and academia.
- v) Sports and cultural activities-- in which the students participate along with students' reflections and photographs.
- vi) Training- assessment of the competence -of the student is done during the training sessions. The book records the student progression by providing the student's competence levels year after year starting from II Year B. Tech. and gives a comprehensive understanding of the student's eligibility and improvement criteria for placements. A self assessment report is made available in the MTP record.
- vii)Matrixing sessions-- provide an opportunity to the students to interact with their seniors. This is when they interact and discuss the possibility of roll on projects in the areas of their interest.
- viii) Alumni cell-- during their exit, the data of each student is passed on to the alumni cell through the proforma.

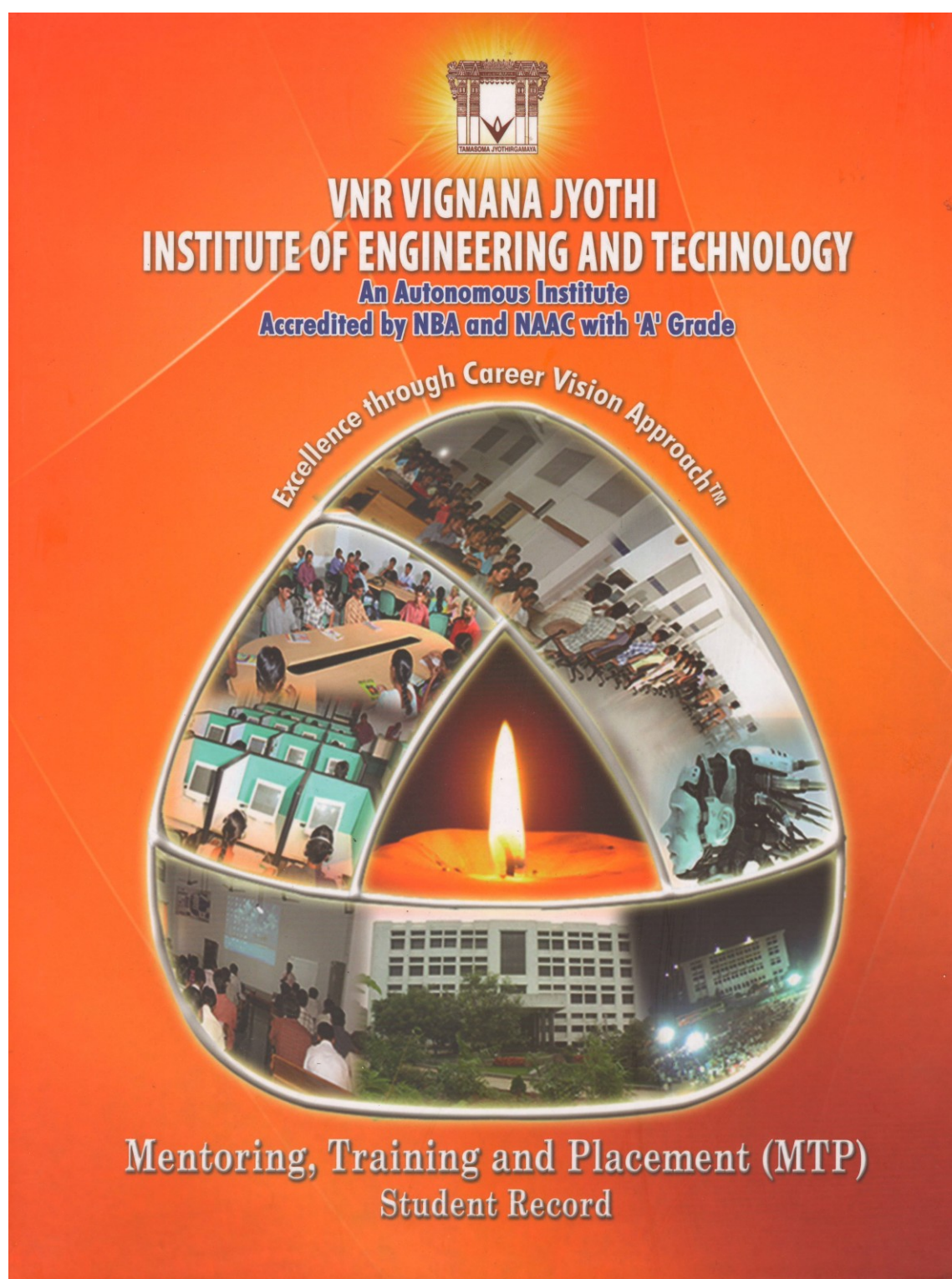
5. Evidence of Success

Performance of the students in Placements:



6. Problems Encountered and Resources Required

- Difficulties in motivating large number of students in the beginning.
- Students are reluctant to devote time for filling up the required information.



Best Practice-2

1. Title of the Practice

Storyboard & Lab-Management

2. Goal

The aim of the Storyboard is to give a visual display of all the components of the syllabus, presenting a comprehensive overview of the experiments, demonstrate the relationship of each experiment to the overall scheme, and to show the interconnectedness of knowledge within a course.

It is meant to be used as a powerful communication tool in the laboratory, presenting the course objectives, course outcomes and the list of exercises. The aim is to organize these exercises using a combination of narrative and images displayed in sequence so as to give a comprehensive overview of the exercises to be done in the laboratory, along with the sequence and timing. It is used as an important tool for planning and visualizing work.

3. The Context

When the students enter any Lab, they have certain questions and doubts regarding the usefulness of the Lab. The storyboard, with its design and visual presentation of information, clarifies at one glance, the usefulness and functions of a particular Lab and its experiments. Therefore, the function of the storyboard is to:

- i. Organize all the information related to the laboratory
- ii. Provide a rationale for choice of topics
- iii. Demonstrate the appropriateness of the syllabus in the given context
- iv. Build information linkages.

Thus the Storyboard acts as a perfect Lab-Management Tool, facilitating planning, controlling and synchronization of the activities in the Lab.

4. The Practice

The storyboard with its visual display of information is pasted on the wall of the Laboratory. During the Lab session the students are given an explanation about the Lab, and the experiments included for the lab with the help of the visual/ graphic presentation of the story board, the students are shown the relation of each experiment to the overall scheme, and how

various knowledge elements are interconnected. The students are made to understand the interconnectedness of knowledge within a course.

A story board is used not only for visual display of Information, but also for stimulating divergent thinking, generating a plan of action, demonstrating functionality of elements, helping one think about appropriate activities.

5. Evidence of Success

Performances of the students are improved in all the level. Results are already listed in section 2.11 of PART – B.

6. Problems Encountered and Resources Required

All kinds of resources like Graphics, Modeling Tools and Finances for Visual display were provided to the staff to create the storyboard in the laboratory.

Staff were trained on the story Board Technique and also provided support for content creation of the Story Board

Sample Story board for Department of Computer Science and Engineering

