Yearly Status Report - 2017-2018

Part A	
Data of the Institution	
1. Name of the Institution	**B V RAJU INSTITUTE OF TECHNOLOGY**
Name of the head of the Institution	**Dr. Y.Krishna Reddy**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**08458222000**
Mobile no.	**7337411184**
Registered Email	**principal@bvrit.ac.in**
Alternate Email	**bvrit@bvrit.ac.in**
Address	**B.V.RAJU INSTITUTE OF TECHNOLOGY, VISHNUPUR, NARSAPUR, MEDAK DIST**
City/Town	**NARSAPUR**
State/UT	**Telangana**
Pincode	**502313**

2. Institutional Status

Autonomous Status (Provide date of Conformant of Autonomous Status)	**07-Jun-2014**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**private**
Name of the IQAC co-ordinator/Director	**Dr. K.V.N.Srinivasa Rao**
Phone no/Alternate Phone no.	**08458222099**
Mobile no.	**9398137808**
Registered Email	**srinivasarao.kvn@bvrit.ac.in**
Alternate Email	**bvrit@bvrit.ac.in**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://bvrit.ac.in/index.php/iqac

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	http://www.bvrit.ac.in/index.php/academic-calendar

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**B**	**2.72**	**2011**	**16-Sep-2011**	**15-Sep-2016**
2	**A**	**3.29**	**2017**	**19-Jul-2017**	**18-Jul-2022**

6. Date of Establishment of IQAC

6. Date of Establishment of IQAC	**03-Mar-2011**

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries

Orientation for the young and newly joined faculty	05-Jul-2017 1	50
Awareness programs on NBA	07-Sep-2017 1	250
Awareness programs on NIRF	04-Oct-2017 1	240
Academic Audit	11-Sep-2017 1	300
Feedback assessment	30-Nov-2017 1	4500
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8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
DST - FIST	FIST	DST	2015 1825	5000000
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9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	[View File](#)
10. Number of IQAC meetings held during the year :	**2**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	[View File](#)
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**

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

IQAC ensures the timely and proper implementation of systems to attain excellence in technical education. Awareness programs on Autonomous Status, NBA, and NAAC. The Faculty, Research scholars and post graduate students were financially supported by IQAC to present papers in seminars and conferences. Feedback and student evaluation of teacher is collected online periodically every semester, data is processed and analysed. Training programs on pedagogical skills have been conducted for the young and newly joined faculty to improve their teaching skills through institute faculty training centre VEDIC. .

13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
Orientation Programs	Orientation for the young and newly joined faculty was conducted
Awareness programs	Awareness programs on Autonomous Status, NBA, and NAAC conducted
Financial support	The Faculty, Research scholars and post graduate students were financially supported by Institute on recommendation from IQAC to present papers in seminars and conferences
Enhancement of Infrastructure	New Faculty quarters built, Hospital facilities are upgraded, Gym facilities are Upgraded.
Employability, career guidance and placement measures for final year students	Arranged Mock Placement interviews , Several Trainingprograms
Feedback assessment	Feedback for every subject is assessed and quality measures are taken
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14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
GOVERNING BODY	03-Feb-2018

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
Date of Visit	27-Jun-2017
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2018
Date of Submission	28-Feb-2018
17. Does the Institution have Management Information System ?	Yes

If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	Our Institute have Management information system i.e. ECAP. ECAP aims at immediate availability of data in required formats ease the work of staff and management and increase in transparency and accountability in administration. Key Features of ECAP • Internet or Intranet enabled Application. • User Levels with Access Rights for Data Security. • Course/Batch/Category/Student Fee Dues Reports. • Tracks Performance of Scholarship Students. • Fee/Attendance Reminders and Progress Reports. • Attendance Marks Analysis. • Integration with Attendance Capturing Devices. • Accounts Module similar to Tally. • Payroll Integrated Staff Module. • Barcode Integrated Library Module. • Login for Students/Parents to access data online

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

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

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BTech	0	0	01/07/2017
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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BTech	BME	12/06/2017	Human Values Professional Ethics/ Sports and Games A21AG	12/06/2017
[View File](#)				

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	0	01/07/2017
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System

Mtech	CHEMICAL ENGINEERING	01/06/2017
Mtech	COMPUTER SCIENCE AND ENGINEERING	01/06/2017
Mtech	SOFTWARE ENGINEERING	01/06/2017
Mtech	EMBEDDED SYSTEMS	01/06/2017
Mtech	VLSI DESIGN	01/06/2017
Mtech	ELECTRICAL POWER SYSTEMS	01/06/2017
Mtech	POWER ENGINEERING AND ENERGY SYSTEMS	01/06/2017
Mtech	ENGINEERING DESIGN	01/06/2017
MBA	MBA	01/06/2017
BTech	BIOMEDICAL ENGINEERING	01/06/2017
BTech	CHEMICAL ENGIENERING	01/06/2017
BTech	COMPUTER SCIENCE AND ENGINEERING	01/06/2017
BTech	INFORMATION TECHNOLOGY	01/06/2017
BTech	ELECTRONICS AND COMMUNICATION ENGINEERING	01/06/2017
BTech	ELECTRICAL AND ELECTRONICS ENGINEERING	01/06/2017
BTech	MECAHNICAL ENGINEERING	01/06/2017
BTech	CIVIL ENGINEERING	01/06/2017
BTech	PHARMACEUTICAL ENGINEERING	01/06/2017

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Cyber Security	10/12/2017	45
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	BIOMEDICAL ENGINEERING	10
BTech	CHEMICAL ENGINEERING	25
BTech	COMPUTER SCIENCE AND ENGINEERING	135
BTech	INFORMATION TECHNOLOGY	75
BTech	ELECTRONICS AND COMMUNICATION ENGINEERING	35
BTech	ELECTRICAL AND ELECTRONICS ENGINEERING	15
BTech	MECHANICAL ENGINEERING	15

BTech	CIVIL ENGINEERING	20
MBA	MBA	35
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained

for achieving better student results and overall development of students. Employers/Alumni feedback is used during curriculum changes and organizing internships/industrial tours. Teachers feedback is used during curriculum changes. The feedback is taken from the students. After that feedback on each individual faculty is analysed statistically and tabulated, and it is submitted to the Department Head. For this, we used ecap software of the college. Efforts are made to motivate parents to process feedback forms on the college. Evaluation of all college programmes with the respective stakeholders is conducted. Program exit feedback is taken at the end of the each Academic Year. Faculty mentors the students regularly. Parents of these students are updated about the performance by their respective mentors by meetings and communication through letters/ Mails. The institution collects the feedback on curriculum aspects and courses from different stakeholders such as the students, alumni, Faculty and Employers. Institution established Academic Council in order to ensure and analyze the academic excellence at student and faculty levels. Periodical analysis is made by Academic Council from the following: student performance, faculty performance in every semester, utilization of infrastructure and requirements for quality enrichment.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BTech	BIOMEDICAL ENGINEERING	30	45	20
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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses

| 2017 | 1094 | 152 | 307 | 32 | 10 |

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Toolsand resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
339	339	150	105	5	15

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

The college adopts mentor/ tutor system to look after the learning capabilities of students Individually • For 20 students, one faculty is assigned as mentor • Mentor continuously track the mentee attendance details and academic performance • Mentor will assist mentee in selecting open electives, professional electives and career guidance • Mentor will track the mentee sports activities, extracurricular and cocurricular activitie

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1247	339	1:20

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
55	55	0	55	11

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Dr. R V Ramana Chary	Professor	Aadarsh Vidya Saras watiRashtriyaPuraskar by Glaciar Research Foundation, Gujarat
2018	Dr. M. Neelakantappa	Associate Professor	Aadarsh Vidya Saras watiRashtriyaPuraskar by Glaciar Research Foundation, Gujarat
2017	Mr. Kishore Vennela	Assistant Professor	Best Paper Award by ICMEET 2017
2017	Mr. R.Anirudh Reddy	Assistant Professor	TCS Best Project Award 2017
2018	Dr.B.R.Sanjeeva Reddy	Professor	BEST PAPERTri band Rectangular printed Microstrip Antenna for 4G/LTE applications in ATMS 2018

				Conference held at Pune from 57th Feb 2018
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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BTech	UG	1	20/11/2017	18/12/2017
BTech	UG	2	12/05/2018	25/05/2018
Mtech	PG	1	18/01/2018	03/03/2018
Mtech	PG	2	30/06/2018	20/07/2018
MBA	PG	1	04/01/2018	03/03/2018
MBA	PG	2	21/05/2018	19/06/2018
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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
0	4801	0

2.6 – Student Performance and Learning Outcomes

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

http://www.bvrit.ac.in/index.php/chemical-overview

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
11	BTech	BIOMEDICAL ENGINEERING	21	15	71.4
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2.7 – Student Satisfaction Survey

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

http://www.bvrit.ac.in

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

Yes
Name of the teacher getting seed money
Dr.Ch.Venkateswarlu
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3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
National	Dr.M.Radha Kumari	Summer Faculty Research Fellow Program 2018	29/06/2018	IIT Delhi
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3.2 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	1065	SEED / TIDE	65.2	65.2
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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

10

3.3 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
2Day Workshop on BigData Analytics and Hadoop	IT	13/03/2018
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3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Australian opensource software Innovation and education	Mekala Prudhvi Reddy	Google	22/08/2018	Google Summer of the Code2018
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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement

00	0	0	0	0	01/07/2017
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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
ECE	3
CSE	1
CIVIL	2
MATHS	2
MECHANICAL	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
National	Bio Medical Engg.	1	0.1
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3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
BIOMEDICAL ENGINEERING	1
CHEMICAL ENGINEERING	3
COMPUTER SCIENCE AND ENGINEERING	13
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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
Wheelchair Driven Controlled by P V Array	Published	2019410025	02/01/2018
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3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Speech Attributes Based Firefly Optimized Neural Network for Foreign Accent	Prof. Ashok Shigli	Journal of Adv Research in Dynamical Control Systems	2018	0	B. V. Raju Inst. Of Technology Narsapur	0

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Speech Attributes Based Firefly Optimized Neural Network for Foreign Accent	Prof. Ashok Shigli	Journal of Adv Research in Dynamical Control Systems	2018	8	0	B V Raju institute of technology

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	14	29	27	12
Presented papers	56	35	3	2
Resource persons	5	14	4	2

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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
IT	Programming to panels	Safewell Fire Security Systems	100000

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

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
IT	Computer Fundamentals Training	REDDYS LABORATORY	500000	80

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3.6 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities

Swachh Pakhwadda2017	nss	1	2

View File

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

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
National Service Scheme	Best volunteer	NIC Hisar.	50
NSS Youth Festival	Best volunteer	NSS State Cell ,Telangana	100
SIH	Participated in semi final	MHRD	10
LT Techgium	Participated in semi final	LT	10

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3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
Swachh Bharat	State NSS officer and JNTU Hyderabad	Swachh Bharat	5	100

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3.7 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Major Project	Hindustan University	Hindustan University	180
MAJOR PROJECT	Lovely Professional University	Lovely Professional University	180

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

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Internship	Internship	bhel	01/07/2018	01/08/2018	16

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

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
EduTech Innovations	15/03/2018	Student Projects/Funding Projects	30
Hysoc Technologies Pvt. Ltd, Hyderabad	16/12/2017	To Provide internships and offer guest lectures	6
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
1503	1436

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Classrooms with Wi-Fi OR LAN	Existing

4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
Software for University Libraries (SOUL)	Fully	SOUK 2.0 FE	2016

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	57114	18189044	559	264222	57673	18453266
Reference Books	11115	5455747	87	131982	11202	5587729

Journals	1848	3342171	205	516494	2053	3858665
e-Journals	22192	5606348	9666	389294	31858	5995642
Library Automation	1	5550	0	18300	1	23850
Others(specify)	3	94224	2	227860	5	322084

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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platformon which module is developed	Date of launching e-content
Dr.Mrunalini Sasanka	english II	ZOOM	01/07/2017

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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MGBPS)	Others
Existing	1569	48	219	1	4	1	9	219	0
Added	302	2	11	0	0	0	0	11	0
Total	1871	50	230	1	4	1	9	230	0

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

230 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
ENGINEERING MECHANICS	http://www.vedic.edu.in/programmes/

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
1805	1789	1985	1963

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

The academic support facilities like library, the sports and the other platforms supporting overall development of the students like NSS and other clubs are open to all college students. Laboratories: Annual maintenance of existing equipment is carried out by the concerned department. Any new

equipment to be added Head of the department proposes the details with quotations for approval by the Principal of the college. Most of the department add new equipment to meet RD activities in addition to academic requirements Library: All the departments put up proposals for additional library facilities, in terms of reference books and text books. The proposals are normally approved by the college. Every department adds new books and new additions. Class Rooms: College has class rooms equal to or more than number of divisions even though the norms of AICTE states that class rooms can be 75 of divisions. All class rooms are equipped with LCD and OHP facility. Sport facilities of the college are consisting of the Gym, Volly ball court, cricket ground, basketball court. The maintenance is being taken care by the institutional staff.

http://bvrit.ac.in

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Fee Concession	91	2803700
Financial Support from Other Sources			
a) National	Fee Reimbursement by Telangana State Government	2373	128788000
b)International	0	0	0

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

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
ATL internship	01/06/2017	3	ATL

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2017	CRT Training	611	1194	117	304

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

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
0	0	0

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
TAMADA	60	3	KIRBI	25	1

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

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2018	1	B.TECH.	CIVIL	University of Sydney,Australia	M.S

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

Items	Number of students selected/ qualifying
GATE	20

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

Activity	Level	Number of Participants
B V Raju memorial tournament. 201718	State Level	741
BVRIT Annual Sports	COLLEGE LEVEL	1596

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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2017	Bronze Medal	National	1	0	15211A0455	Lohitha

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

Students Staff grievances 3 Training, Placements Career Guidance 2 Public Relations. Press Media 3 Entrepreneurship Development cell 5 Alumni 3 Social Welfare 3 Hostel 4 Canteen 3 Women Welfare / Sexual harassment Eradication Cell 4 Sports Games 5 Discipline 4 NSS NCC 5 Arts Cultural, Hobby Clubs 5

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

YES: registration number 194/2008 President: Amith Kumar Gadam Vice President: Rakesh Kumar General Secretary: A.Srilalitha Joint Secretary: Srilatha Treasurer: N.Ramchander Executive Members: 1. N.Ramchander 2.B.Anil Kumar, 3. Srinu Prasad 4.Srilatha Reddy

5.4.2 – No. of registered Alumni:

600

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

1.Annual Alumni Meet conducted on 30th December 2017 at BVRIT 2. USABVRIT Alumni Meet conducted on 21st May 2017 at Mirchi Rrestaurant, New Jersey

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

• Many faculty members are involved in administrative, curricular, extracurricular activities andmembers of other committees. • Every lab has a faculty member as Labincharge who initiates all purchases and repairs.HoD has been authorized to invite quotations from competitive firms. Comparative statement is prepared and recommendations are made by the Department. • Casual leaves are approved by respective Head of the Department

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Curriculum Development	Our institution is affiliated to JNTU Hyderabad and institute was awarded autonomy in AY 201415 for six years. As part of autonomy, new structure and curriculum was designed for UG and PG programs. The formation of Statutory Bodies was duly completed to implement the autonomy progressively. In all these boards and academic council there are University Nominees, Government Nominees, Industry Participation and Alumni. College takes up curriculum development once in two or three years to update and incorporate new courses. This helps students to get exposed to latest technologies. For this process, all internal senior faculty form a team to examine the curriculum of leading institutions like IITs, interact with

	alumni, industry experts and arrive at draft curriculum and academic regulations. All these proposals are placed before respective Board of Studies. The recommendations of Board of Studies are in turn placed before Academic Council of the college. Academic regulations and curriculum based on Choice Based Credit System was introduced in 201516 called R15 regulations.
Teaching and Learning	? Teaching and Learning Based on our own analysis and inputs from stakeholders, institute made significant efforts in AY 201718 to improve teaching learning process. Institute conducted multiple workshops on Bloom's Taxonomy, ICT tools and awareness lectures on MOOCs to enable teachers for development of teaching learning skills. Institute had encouraged faculty and students to enroll for different NPTEL and other MOOCs. Inhouse FDPs for all courses, to be taught in a given semester, were conducted to understand scope and methodology of teaching, to introduce innovative methodology and to bring uniformity in teaching learning process. Mentoring to young faculty members was provided by experienced and senior faculties to improve their teaching learning skills. Through formal and informal interactions with students, need for EQ enhancement of students was identified by the faculty. Teaching and learning processes are continuously improved according to students feedback which are collected twice every semester which helps every faculty to improve their teaching procedures. The syllabus is also reviewed every year to improve it by adding more relevant subjects and deleting the not so important subjects. We adhere to the academic calendar prepared for that particular year and have a lesson plan in hand before commencing the new semester. Lesson plans are distributed in the form of printed course files. Teachinglearning is enhanced by the following activities • ICT enabled classrooms makes the student, the centre of teachinglearning process and the teacher, a facilitator for the students. • There are provisions for sending notes and lecture presentations to group mail ids

	of the students. • Students make use of the internet, lab facilities to prepare for seminars/conferences/paper presentations etc. • Students are benefitted from Online Public Access Catalogue for online access of EJournals. • Online course materials are hosted on the intranet server to provide access to students. • Students are provided with internet facility for their project work and for updating their knowledge.
Examination and Evaluation	• The college conducts two internal assessment tests during the semester through a centralized Examination Cell. • Each subject teacher gives assignments/quiz/slip test as a part of continuous evaluation system per semester. • Rules and regulation for examination and evaluation system were well formulated. The system was implemented as per these rules, successfully for B. Tech and M.Tech. • The institute maintains complete transparency in the evaluation process and it strictly adheres to the norms prescribed by the Institute. • Examination committee to ensure smooth conduct of examinations. • The practical examination is conducted with internal and external examiners appointed by the Superintendent of examination. • College being autonomous, the end exam question papers are received from external paper setters whose names are approved by Principal. • The evaluation of answer scripts are done by senior internal faculty and external experts whose names are approved by their respective Chairmens of Board of studies. • The result committee meets to finalize and announce results, which has University nominee. • Blooms TAXANOMY is used while framing the questions for MID term Examinations and End Semester Examinations. • The Course Outcomes (COs) are indicated against each question in the question papers. • The Course Outcomes are calculated for each subject for MIDI, MIDII and Assignments. • At the end of the semester the COs attainment calculations are done to analyze the learning levels of students in MID term Examinations, Assignments and End Semester Examinations

| Research and Development | ? Research and Development Research and Development is the one of main focuses of the Institution.A functional committee under the headship of Director, RD has been constituted by the institution to device the strategies on implementing the research and development activities. Institute has well defined policy for Research Development. Funding was provided to various students for UG and PG projects under SVES of the institute. Few faculty members received funds for their research projects.Faculty members are encouraged to applyand obtain research grants from various Government and nonGovernment, researchfunding agencies such as UGC, AICTE, DST, etc.Funds from AICTE, DST, UGC, DRDO are acquired and utilized for research and developmental activities and for upgrading the laboratories. Certain important RD initiatives of the institute are • The faculty members are encouraged to publish their research contributions in various National International Journals and conferences. Research papers are awarded financial incentive per paper to the faculty members based on the quality of publication. • Publication and presentation of technical papers at conferences are encouraged by providing deputation and support towards travel/registration. • Academic leave is granted to faculty members to attend short term programmes/FDPs/seminars at other institutions. • Many Departments have established advanced equipment labs and special labs are created to meet not only the academic requirements but also research needs. • The institute has both networked WiFi internet facilities for the fast access of online resources. • The institute encourages the research scholars by providing onduty leave to succeed in their research. • The institute motivates the faculty members to attend research oriented seminars/workshops/conferences, etc., by providing special onduty leave. • Encouraging faculty members to pursue Ph.Dprogrammes in reputed universities • The institute supports the researchers by providing high end computing facility with necessary software and with modern equipments • |

	The institute central library facilitates research oriented books, journals ejournals for research reference.
Library, ICT and Physical Infrastructure / Instrumentation	• Availability of text books, reference books and journals in the library is ensured for the effective course delivery. • Special audio visual room is available in the library to help the students to listen to the lectures delivered on the subjects. • The college subscribes to most of the major technical journals includes IEEE, ACE, ASME, ASTM, JGATE, Science Direct Journals etc. useful for researchers in various departments. Moreover NPTEL video classes are also available for 400 subjects. Besides central library, there are libraries in each department with ample volume of books, magazines and journals for easy access of reference books for faculties and research scholars. On special request from the research scholars, books required for research is made available and the library facilities can be availed for extended hours. • The institution strongly advocates and encourages the use of ICT tools to enrich the learning experience of the students inside and outside the classroom. All classrooms are ICTenabled including spacious seminar halls and auditorium for specialized needs. • Various ICT tools (like Office Mix and Ruby star, Google Classrooms, Forms Analytics and Concept Mapping Tools) were used by faculty and staff members. • Institute provided training to faculty on these tools through an exclusive institute faculty training centre VEDIC.
Human Resource Management	• A well defined HR Manual is drafted and it is uploaded to institute website also. • The Institute appoints adequate number of qualified faculty through the procedure of open advertisement and interview by expert committee as per the norms of JNTU Hyderabad. • The recruitment procedures, service rules and promotion policies are made transparent and employees are benefitted with CL, EL, ML and EPF etc. • Employee's salary will be credited in the bank account directly. • Pay slips are issued to the employees every month. • The institution encourages the

	employees to their promotional activities in the form of higher education, presenting research papers in National/International conferences with financial assistance. • The Institute organizes various orientation and enrichment programmes for both teaching and nonteaching staff members for upgrading their skills in the latest technologies. • Problems of Female staff members are addresses through activities of Women Empowerment Cell. • Priority is given for recruitment of competent faculty members, training them to meet their teaching objectives, helping them realize their potential, rewarding high performing faculty members and counseling low performing faculty members based on their performance appraisal. • In addition, training is arranged for teaching as well as nonteaching staff by identifyingtraining needs, for enhancing professional competencies, teaching and soft skills. • The Institute frequently arranges training Programs and also deputes the staff to otherorganizations for attending such Programs for acquiring balanced skills (technical skills,teaching skills, soft skills)	
Industry Interaction / Collaboration	Industry interaction has provided opportunity for the students to undergo inplant training, industrial visit, etc. Workshops, trainings, offcampus placements, internships, guest lectures, sponsored projects and industrial visits were carried out with the support of industry. The Department identifies and invites industry experts to deliver content beyondsyllabus and make students aware of the current industry trends.Students are encouraged to take internship programs and industry visits to developedskills. The other major benefits of industry collaboration are • Members from industry are included in department BOS in framing syllabus of autonomous courses. • Industries extended internships for number of students across the departments. • To build and maintain excellent rapport with the Top Management of various Organizations and Industries and forge collaborative IndustryAcademia alliances • A unique and rare opportunity provided to	

	students to learn the theoretical concepts practically • Initiating Memoranda of Understanding with major companies, where the component of learning that focuses on the application of theory in an authentic industrial context.
Admission of Students	Institute is affiliated to JNTU, Hyderabad and admission process is carried out as per the norms laid down by EAMCET Counseling procedure. For post graduate programmes, the students are admitted through a common entrance test (PGCET) conducted by the State Government and counselling procedure as per the norms of state government.

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

E-governace area	Details
Administration	The entire academic administration is carried out with the help of ECAP software.
Finance and Accounts	PACT software is used for institute accounting process
Examination	The entire examination process is made automated with the help of BeeS software

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2017	Dr. H.Sujana	Health Technology Assessment by KIHT AMTZ	Fellowship	500
View File				

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

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2017	Luminous Spark Work shop		03/08/2017	04/08/2017	3	0
View File						

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Luminous Sparks – Level 3	3	03/08/2017	04/08/2017	2

View File

6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
91	88	7	0

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
• Free breakfast and tea on all working days • EPF is been paid to all employees as per PF act. • Employees who complete more than 10 years of service are honored. • Tuition fee waiver for the wards of the staff. • Health Check up camp • Travel Grant for presentations in the conferences • Higher start for Higher qualifications • Subsidized travel in college buses for all employees. • Professors are provided car transport facility to college from city.	• Free breakfast and tea on all working days • Health Check up camp • EPF • Maternity leave • Transport facility • Hospital facility	• Free breakfast and tea on all working days • Skill development (Spoken English, Computer Literacy, etc.,) • Health Check up camp • The Founder's scholarship is available for students who are from the low income group. • Student awards are constituted for 100 attendance in an academic year, topper of the semester in each branch, best outgoing student etc. • A group insurance scheme has been imitated for the students • Sponsorship is given to students to present their papers at both the national and international level. • Campus Recruitment coaching classes for the students with the help of Experts • Merit Awards by the College. Cash and Gold Medals • Facilitating students to get the scholarship under State Government Reimbursement of tuition fee scheme • Book Bank service is provided for SC ST students for all semesters

6.4 – Financial Management and Resource Mobilization

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

> • **The internal financial audit will be conducted once in a month.** • **External audits are done by a legal financial auditors** • **In the Audits, experts verify all transactions related to income and expenditure.** • **There were no major observations noticed and the reports of the same are available.**

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Consultancy	8544148	college developmnt

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6.4.3 – Total corpus fund generated

434969132

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	JNTU HYDERABAD	Yes	IQAC
Administrative	Yes	JNTU HYDERABAD	Yes	IQAC

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

> **Feedback on regular basis on general facilities of the institute Feedback on curriculum Feedback on overall disciplines Support for Internships Placements**

6.5.3 – Development programmes for support staff (at least three)

> **Annual Staff training needs identified and training conducted. Support Staff is part of all activities academic and nonacademic. Regular Staff meetings to address their need and upgrade their skills are conducted. Organizing communication skills training thrice a year. Soft skills training programmes. Technical staff to undergo training for new software and equipment.**

6.5.4 – Post Accreditation initiative(s) (mention at least three)

> **1. Planting trees 2. Enhancement of Solar power generation 3. Use of LED bulbs for energy saving 4. Six B.Tech Programs have been accredited by NBA 5. 450 students are encouraged to undergone internship programs**

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	No
d)NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2017	Training	10/06/2017	10/06/2017	10/06/2017	7

| Program on Engineering Mechanics | | | | |

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Gender sensitization	04/01/2018	04/01/2018	150	80
Women's day Celebrations	08/03/2018	08/03/2018	120	60

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
Yes, The College has internal mechanism to look in to the environmental audit. Institute does not compromise in maintaining ecofriendly environment. Since its inception, the Institution has taken steps for green initiative. First among them is plantation of about 5000 trees in about 110 Acres of BVRIT (Orchard Park) campus. Second green initiative to reduce the carbon emission is, by minimizing the usage of conventional electrical energy with the installation of alternate energy sources such as solar photo voltaic (PV) power plant. Third step in maintaining low carbon content is the avoiding usage of plastic in campus and encouraging the use of degradable paper disposables. Ponds have been made available for harvesting rain water, where in the rain water is being used for the plantation and in maintaining the landscapes. Sewage water treatment plant has been established to recycle the water and the recycled water is used for flushing toilets as well as for watering the plants within the campus. R.O plant is installed in the year 2012, which treats 2000 litres/hr for utilization within the Campus. About 20 of Total Power shared by Vishnu centre of photovoltaic research and education with 100KWp Roof top PV Plant

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	10
Provision for lift	Yes	10
Ramp/Rails	Yes	10
Braille Software/facilities	No	0
Rest Rooms	Yes	10
Scribes for examination	Yes	0
Special skill development for differently abled students	Yes	10

7.1.4 – Inclusion and Situatedness

Year	Number of	Number of	Date	Duration	Name of	Issues	Number of

	initiatives to address locational advantages and disadvantages	initiatives taken to engage with and contribute to local community			initiative	addressed	participating students and staff
2017	5	5	03/07/2017	7	Van Mahotsav	Importance of Plantation	250
2017	5	5	01/08/2017	15	SwachhtaPakhwada	Clean Green	100

7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Human resources policy handbook	01/07/2017	Hand book is the authentic source of reference for the staff regarding the code of Conduct and institute Rules. The Vision and Mission of the college, the Quality Policy, the PEOs and Programme Specific Outcomes (PSO's of each Dept. are published in the Handbook

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Blood Donation Camp	15/10/2017	15/10/2017	300
SwachhtaPakhwada (Fortnight)	01/08/2017	15/08/2017	100

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

• Energy Conservation: • Use of Renewable Energy: • Water Harvesting: • Plantation: • Efforts for carbon neutrality: • Hazardous Waste Management: • eWaste management: • Energy Conservation:

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

• BVRIT Going Green • Assistive Technology Lab • Emerging Technology Center • Club InQuizitive • Cloud Computing Center • Vishnu Innovation Labs (ECE) • Vishnu Innovation Labs (Mechanical) • BVRIT Knowledge Centre • City Centre @ Hyderabad • Particle Technology Lab • Entrepreneurship Development Cell (EDC) • Rural Women Technology Park

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

http://www.bvrit.ac.in/index.php/bvrit-going-green/solar-porject

7.3 – Institutional Distinctiveness

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

Women Technology Park (WTP) is established in the campus to promote and support novel initiatives in technology based business for rural women such as biotech, value addition, hightech agriculture, ecofriendly technology, conservation of biodiversity of the region. The target group for the project will be all women group, urban and rural women, women having scientific knowledge or without scientific knowledge. B V Raju Institute of Technology (BVRIT) Narsapur supports the upgradation of infrastructural facilities coupled with market linkages and product diversification. Involvement of community, creating of awareness regarding health and nutrition, utilization of the local resources for sustained income generation throughout the entire trajectory of women's life will be one of the objectives of the project. Adopting poly house cultivation, the productivity of crops can be increased by 35 times as compared to open environment. Besides productivity, the better quality of produce is also obtained under poly house cultivation. This technology can be adopted by the rural youth for more income per unit of land. The improvement in economy of farmers with the decreasing land holding is also possible through the protected cultivation by increasing production per unit area. The glut during a short period of harvesting is also the problem in the country which can be minimized with the protected cultivation as harvesting period of crops under protected structures is longer Awareness meetings were conducted with the help of local SHGs regarding the utilization of these materials and make products which can enhance their income with less investment. These programs enlighted their knowledge on different value added products which can be made using non timber forest materials like color extraction from butea monosperma flower, mats and handicrafts from coir etc. Also, the program facilitated in enriching their knowledge regarding the different types of funding facilities they can get like mudra loan etc. Training programs were conducted with the help of coir board on making value added products from coir like door mats and other decorative items. Training programs were conducted on extraction of color from the flowers of butea monosperma. The application of the color for making clay idols and for dying fabric was demonstrated.

Provide the weblink of the institution
http://bvrit.ac.in

8.Future Plans of Actions for Next Academic Year

1. To initiate Incubation centres in the college campus 2. To increase research publication by 25 more than present level 3. Augmenting consultancy projects by 5 more than present 4. Increase the placement opportunities through continuous engagement with industries and organizations 5.Establish more centres of excellence in departments 6. To implement new regulations with revision of curriculum from the academic year 2018/19