



SELF STUDY REPORT

FOR

2nd CYCLE OF ACCREDITATION

BONAM VENKATA CHALAMAYYA INSTITUTE OF TECHNOLOGY AND SCIENCE

**BATLAPALEM VILLAGE INDUPALLI POST AMALAPURAM MANDAL EAST
GODAVARI DISTRICT**

533221

www.bvcits.org

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Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Bonam Venkata Chalamayya Institute of Technology and Science (BVCITS), Batlapalem, Amalapuram was established in the year 2002, pioneered by a great philanthropist (visionary) Sri Bonam Kanakayya, Secretary of B V C Educational Society, is an emerging centre for excellence in Engineering education, renowned for its energetic, experienced and dedicated faculty, thriving students, state of the art infrastructure and very good placement record. The management encourages the students and the faculty to “Dare to Dream and Strive to Achieve”. The institute is indeed “dream come true” for many aspiring youngsters from rural areas of East Godavari District and Andhra Pradesh. The institute is also admitting students from other states of India. The employees of the institute work in the spirit of founder chairman and follow his philosophy “Work through your life, the results prospers you”. BVCITS is located in a sprawling campus of 25.94 acres surrounded by the exhilarating nature, away from the din of crowd habitant with pleasant, calm, serene ambience of environment which is conducive for the study of professional courses and personality development. The zeal in promoting technical education for rural literacy and continuous good results of this institution fetched an overwhelming response from aspirants of engineering education. Institution is permanent affiliated to Jawaharlal Nehru Technological University Kakinada in the year 2019 for three years up to 2022.

The institution offers undergraduate and post graduate programmes - B.Tech., in Five branches, M.Tech., in two specializations, MBA and MCA program. The institution has received NBA accreditation for three branches in 2012. The institution was also accredited by NAAC with “B” grade in 2015 for five years. The present intake strength at first year level is 480 in B.Tech, 27 in M.Tech. and 180 in PG Courses(MBA & MCA). The institution would like to achieve the status of autonomy before the start of AY 2021-22 and also likes to become a University in the next five years.

Vision

To be a premier institution in education and research, producing global leaders in Engineering, Technology and management

Mission

IM1: Emparting quality and outcome based education towards academic excellence.

IM2: Inculcate team spirit and professional ethics among stake holders.

IM3: Strengthen links with industry through internships and collaborative development works.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

• Institutional Strength:

- NBA accreditation to 03 UG Engineering programmes
- Accredited by NAAC with 'B' Grade in 2015 for 5 years
- Permanently affiliated twice to JNTUK, Kakinada, A.P. valid up to A.Y.2021-22
- Recognition under section 2f & 12b of the UGC act from 2019.
- ISO 9001:2015 Quality management system certified institution.
- Students have representation in academic and administrative bodies.
- Participative work culture.
- Low students' dropout rate.
- INFLIBNET / IUC facility is available.
- Experienced and competent faculty with good retention ratio.
- Abundant trust of parents, alumni and Employers.
- Visionary management team
- Innovative teaching – learning practices
- Student Counseling and Guidance system
- Exclusive Training Department and Excellent Placement record
- Industry specific add-on training programmes
- State of the art Infrastructure
- Strong brand image in Andhra Pradesh
- Well settled alumni all over the globe
- Extensional activities through Red Cross, NSS, BVCITSFSS & Light for Lost

Institutional Weakness

• Institutional Weakness:

- No residential facility for Faculty and staff.
- Limited sponsored funds for Research and Development
- Association with eminent research centers requires a boost
- Consultancy has to pick up
- Inability to attract major MNCs for campus selections on a consistent basis
- Financial limitations for rapid progress, being an un-aided institution
- Inability to depute faculty for full-time research
- Sustained effort to reach 100% placements

Institutional Opportunity

• Institutional Opportunity:

- To become Institute of excellence.
- To undertake R&D projects with funding from Government and Private Sectors.
- To undertake consultancy assignments.
- To improve employability of the students.
- Scope for introduction of revenue generating short term self financed courses.
- Strong brand image in Andhra Pradesh to be extended at National & International level
- Government's support for economically weaker sections
- Focus on "Skill Development" at Central and State Government level
- Possible job opportunities due to "Make in India" initiative

Institutional Challenge

- **Institutional Challenge:**

- Maintaining intake at the approved level.
- Inculcating research culture across all the departments and disciplines.
- Increased competition and declining admission at all India level.
- To have adequate senior faculty with Ph.D.
- To establish linkages with National / International Organizations / Institutes.
- Most of the students are with rural back ground.
- English language proficiency levels of the students to be improved.
- Growing competition in nearby towns.
- Vast academic syllabus and rigid academic schedule
- Huge delay by the Government in reimbursing the tuition fee for economically and socially weaker sections.
- Delayed admissions by government policies.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

- The Institute has well defined Vision, Mission and goals.
- The Institute implements the curriculum developed by the University.
- The Institute provides the support to the faculty for effective delivery of the curriculum.
- Institute offers student development courses.
- The Institute takes initiatives and provides add-on/ value added certification courses for student development.
- The Institute has established various cells through which matters related to curriculum enrichment are addressed.
- Experiential learning is enriched through projects, intern ships and field visits.
- Structured feedback from the stakeholders is in place.
- The feedback is discussed in the department advisory committee and it is communicated to University

Board of Studies with regards to curriculum.

Teaching-learning and Evaluation

- Publicity is given to create awareness about the Institute and the programmes.
- Admission process is transparent
- Institute follows the reservation policy of the AP State Government.
- Induction programmes are arranged before the commencement of First Year Class work.
- Students are offered fee concessions and scholarships as per the Government and Institutional policy.
- Facilities to physically challenged students are created.
- The Institute follows the academic calendar of the University.
- Department libraries do exist apart from the Central Library.
- Institution has elective system in all offered programs
- Institute has continuous evaluation system.
- Students progress is continuously monitored by effective mentoring system
- Institute has grievance redressal mechanism in place.
- Institution has adopted Outcome Based Education.
- The Institute follows direct and indirect assessment system.

Research, Innovations and Extension

- Institute is working towards creating research culture.
- Institute is strengthening Industry-Institute interface.
- Extension activities are being organized
- Students and staff participate in various community network activities.
- Institute has invited speakers from leading organizations.
- MoUs are signed with well known industries and Institutes of repute.

Infrastructure and Learning Resources

- Institution is having required number of ICT enabled class rooms.
- Hostel facilities for girls are available and hygiene to be taken care of.
- Necessary infrastructure for curricular and extra-curricular activities is available.
- Recreational facilities are available on Campus.
- Library has a stock of more than 35,000 books.
- The total area of Library is 800 Sq.m. with total seating capacity of 200.
- The Institute encourages faculty and students to utilize its e-resources.
- 578 computers with 05 servers ,printers, scanners are available.
- Campus wide LAN and Wi-Fi enabled access to various online resources.
- Budget provision is made for building, furniture, equipments, computers and vehicles.
- Institute has separate maintenance and housekeeping cell.

Institute has renewable energy resources

Student Support and Progression

- Institute publishes student hand book every year.
- Institute focuses on written and oral communication skill of students.
- Financial assistance is given to students as per Government and institution policy.
- Student progression from UG to PG is being encouraged.
- The Institute has a mechanism for improvement of slow learners.

- Students participation in co-curricular and extra-curricular activities is visible.
- Students performing well in intra institutional sports competitions.

Governance, Leadership and Management

- Institute's statements are in-line with the higher education policies and objectives.
- Principal provides academic leadership.
- The Institute has constituted several committees for various functions.
- Institute has an organizational structure and a defined decision making process.
- The Institute to develop strategic plan.
- Institute encourages the faculty to pursue higher studies.
- Group insurance for students and Staff is available.
- Major source of income is through fees.
- Accounts are audited yearly by internal and external auditors.
- IQAC was established in 2013 and external members as per Guidelines were appointed.

Institutional Values and Best Practices

- Institute organizes awareness camps towards environment issues.
- Concept of green audit is being followed.
- Rain water harvesting is in place.
- Waste management system is available.
- Students are encouraged to do innovative projects.

1. Green learning environment-“Teach with Nature”

2. Employable skill-based education.

Energy audit is being carried out. Institution is having best practices

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	BONAM VENKATA CHALAMAYYA INSTITUTE OF TECHNOLOGY AND SCIENCE
Address	BATLAPALEM VILLAGE INDUPALLI POST AMALAPURAM MANDAL EAST GODAVARI DISTRICT
City	AMALAPURAM
State	Andhra Pradesh
Pin	533221
Website	www.bvcits.org

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	GUMMADI MOSES VARA PRASAD	08856-235416	9490124094	08856-23548 9	bvts@bvcgroup.in
Professor	T V J Rao	08856-250045	6301404556	08856-25088 1	iqac.bvts@bvcgroup.in

Status of the Institution	
Institution Status	Private and Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details				
Date of establishment of the college		01-01-2002		
University to which the college is affiliated/ or which governs the college (if it is a constituent college)				
State	University name		Document	
Andhra Pradesh	Jawaharlal Nehru Technological University, Kakinada		View Document	
Details of UGC recognition				
Under Section	Date	View Document		
2f of UGC	01-01-2019	View Document		
12B of UGC	01-01-2019	View Document		
Details of recognition/approval by stationary/regulatory bodies like AICTE, NCTE, MCI, DCI, PCI, RCI etc (other than UGC)				
Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day, Month and year (dd-mm-yyyy)	Validity in months	Remarks
AICTE	View Document	12-06-2019	12	Extention of approval for Academic Year

Details of autonomy	
Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	No

Recognitions	
Is the College recognized by UGC as a College with Potential for Excellence (CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	BATLAPALEM VILLAGE INDUPALLI POST AMALAPURAM MANDAL EAST GODAVARI DISTRICT	Rural	25.94	23101

2.2 ACADEMIC INFORMATION

NAAC

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BTech,Civil Engineering	48	INTERMEDIATE	English	60	42
UG	BTech,Electrical And Electronics Engineering	48	INTERMEDIATE	English	120	26
UG	BTech,Mechanical Engineering	48	INTERMEDIATE	English	60	20
UG	BTech,Electronics And Communication Engineering	48	INERMEDIATE	English	132	127
UG	BTech,Computer Science And Engineering	48	INERMEDIATE	English	132	125
PG	Mtech,Electronics And Communication Engineering	24	UG	English	18	2
PG	Mtech,Computer Science And Engineering	24	UG	English	9	4
PG	MCA,Master Of Computer Applications	36	UG	English	60	7
PG	MBA,Master Of Business Administration	24	UG	English	120	59

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	14				25				87			
Recruited	12	2	0	14	20	5	0	25	50	37	0	87
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				65
Recruited	37	28	0	65
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				32
Recruited	28	4	0	32
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	10	2	0	0	0	0	0	0	0	12
M.Phil.	0	0	0	4	0	0	0	0	0	4
PG	2	0	0	16	5	0	50	37	0	110

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

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

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

Provide the Following Details of Students Enrolled in the College During the Current Academic Year

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
Diploma	Male	596	0	0	0	596
	Female	129	0	0	0	129
	Others	0	0	0	0	0
UG	Male	803	0	0	0	803
	Female	921	0	0	0	921
	Others	0	0	0	0	0
PG	Male	68	0	0	0	68
	Female	200	0	0	0	200
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years					
Programme		Year 1	Year 2	Year 3	Year 4
SC	Male	28	32	47	40
	Female	40	55	48	39
	Others	0	0	0	0
ST	Male	1	0	1	0
	Female	0	1	0	0
	Others	0	0	0	0
OBC	Male	50	71	73	79
	Female	60	69	95	80
	Others	0	0	0	0
General	Male	124	130	143	138
	Female	158	187	182	194
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		461	545	589	570

Extended Profile

1 Program

1.1

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

2018-19	2017-18	2016-17	2015-16	2014-15
440	455	469	467	425
File Description		Document		
Institutional data prescribed format		View Document		

1.2

Number of programs offered year-wise for last five years

2018-19	2017-18	2016-17	2015-16	2014-15
9	11	11	11	11

2 Students

2.1

Number of students year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
2110	2207	2275	2236	2011
File Description		Document		
Institutional data in prescribed format		View Document		

2.2

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

2018-19	2017-18	2016-17	2015-16	2014-15
245	259	259	280	280

File Description	Document
Institutional data in prescribed format	View Document

2.3

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

2018-19	2017-18	2016-17	2015-16	2014-15
616	644	643	600	427

File Description	Document
Institutional data in prescribed format	View Document

3 Teachers

3.1

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

2018-19	2017-18	2016-17	2015-16	2014-15
144	146	146	145	138

File Description	Document
Institutional data in prescribed format	View Document

3.2

Number of sanctioned posts year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
144	146	146	145	138

File Description	Document
Institutional data in prescribed format	View Document

4 Institution

4.1

Total number of classrooms and seminar halls

Response: 36

4.2

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

2018-19	2017-18	2016-17	2015-16	2014-15
559.78991	530.08982	420.53439	941.67728	345.54623

4.3

Number of Computers

Response: 600

NAAC

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1 The Institution ensures effective curriculum delivery through a well planned and documented process

Response:

The college is affiliated to Jawaharlal Nehru Technology University, Kakinada and follows the curriculum prescribed by the university. The curricula developed have relevance to the local/national/regional/global development needs. The institution strives to produce excellent quality engineers to meet the requirement of diverse industries.

The academic calendar of the university is strictly adhered to an action plan for timely implementation is devised by the institution to ensure effective and timely delivery. Each department prepares a separate calendar of events and it includes the activities planned like guest lectures, industrial visits and internal examinations, Co-curricular and Extra curricular activities with tentative dates. In the process, the students learn various important concepts that enhance their analytical and problem-solving skills. Conduct of laboratory work enables the students to understand the practical applications of several theoretical concepts. Mini-projects presentation carried out by the students help them to consolidate and apply their conceptual understanding of various subjects. Seminars help enhance the presentation skills of the students. Students are encouraged to carry out project work as interns in the industry. Co-curricular and extra-curricular activities aim to inculcate such qualities that bring about holistic personality development of students. Soft skills involve training in communication skills, quantitative reasoning, logic, and aptitude that ensures better employability for the students.

The staff members and students adhere to the calendar of events to meet the department's pre-planned objectives. The subject allotment to the lecturers is done well in advance. The lesson plan with appropriate teaching methods for each course is designed by the course coordinators adhering to the calendar of events of the department. Each faculty prepares the course outcomes and delivers curriculum aligned to the program outcomes and the local/societal needs.

The respective teacher prepares course material, class notes, and presentations in order to be fully prepared for teaching. The predefined planning for the successful execution of teaching with the objective of OBE is carried out with the help of professionally developed software. Modern techniques are adopted in our institution for the upliftment of the students performance and for the achievement of best results.

The college follows Outcome-based education (OBE). syllabus monitoring and the proper classwork execution with the help of a class teacher and a student representative is followed for curriculum delivery. Heads and Principal will monitor the curriculum delivery periodically both by random inspections during class work and also inspecting the records.

Each department conducts various training and certification programs to make the students industry ready. Several guest lectures and industrial visits are also arranged periodically to keep the students ahead of the existing knowledge. Timely feedback is obtained from the students and staff. Measures are taken to

enforce necessary changes by the HODs and Principal.

File Description	Document
Upload Additional information	View Document
Link for Additional information	View Document

1.1.2 The institution adheres to the academic calendar including for the conduct of CIE

Response:

At the beginning of every academic year, Director-Admission & Exam Branch (AEB) chalks out an academic calendar which includes course registration and 16 weeks of instruction with examination schedule, technical and cultural fest dates. This is made available to the staff and students before the commencement of the classwork. Based on the academic calendar, each department prepares a plan at the department level. This academic calendar is strictly adhered to, by the institution.

Course allotment for every semester is prepared by the respective HoDs and teaching hours are allocated for each course based on the number of credits. The faculty prepares the 'Lesson Plans' for teaching. Laboratory manuals are prepared in advance and the students.

Affiliating University (JNTUK) announces the calendar for the Internal examinations consisting of Subjective and Objective examinations. Objective examination question papers were provided by the university online on the date of exam. University announces the weeks in which the institution should conduct the laboratory and the project examinations and the list of examiners and is strictly adhered to (as the examiners are appointed by the university). The results of the evaluation shall be submitted in the stipulated time specified by the university in their examination portal, hence the same is meticulously followed.

In charge of 'Examination Cell' plays a crucial role and is responsible for the smooth function of the cell. He communicates the Academic calendar, timetables, the Examination schedules given by the university for each academic year to the staff and students through the principal.

He prepares advanced circulars to the staff signed by the principal regarding submission of question paper, award sheets on time and any other required documents. He looks after the process of preparing and sending examination time tables, invigilation duties to the staff, seating arrangement for each examination room. He uploads the data related to students, examination marks, student attendance, end exam registration data to the university in the stipulated time. He downloads the end University Examination question paper in encrypted form and making it decrypted and printing the necessary number of question papers in presence of principal and observer.

Department member is responsible for communicating the timetables, notices etc. sent by the examination cell to the students and keeping records of all the examinations held in soft as well as in hard copy as applicable.

Junior Assistant of the cell is responsible for preparing examination time tables, invigilation duties to the staff, seating arrangement for each examination room, as directed by the in-charge. He has to prepare the data related to students, Examination marks, student attendance, End exam registration data to be uploaded to the university. He has to assist in the collection of Answer scripts, Examination fees and keeping records.

The clerk of this cell has to collect the Examination fees from the students. He has to keep the records of all the examinations held for the future and it is his duty to collect the examination scripts, pack and dispatch them in a proper way.

File Description	Document
Upload Additional information	View Document
Link for Additional information	View Document

1.1.3 Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the last five years

1. Academic council/BoS of Affiliating university
2. Setting of question papers for UG/PG programs
3. Design and Development of Curriculum for Add on/ certificate/ Diploma Courses
4. Assessment /evaluation process of the affiliating University

Response: A. All of the above

File Description	Document
Institutional data in prescribed format	View Document
Details of participation of teachers in various bodies/activities provided as a response to the metric	View Document
Any additional information	View Document

1.2 Academic Flexibility

1.2.1 Percentage of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

Response: 100

1.2.1.1 Number of Programmes in which CBCS / Elective course system implemented.

Response: 9

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

1.2.2 Number of Add on /Certificate programs offered during the last five years

Response: 86

1.2.2.1 How many Add on /Certificate programs are added within the last 5 years.

2018-19	2017-18	2016-17	2015-16	2014-15
18	17	17	17	17

File Description	Document
List of Add on /Certificate programs	View Document
Brochure or any other document relating to Add on /Certificate programs	View Document
Any additional information	View Document

1.2.3 Average percentage of students enrolled in Certificate/ Add-on programs as against the total number of students during the last five years

Response: 84.31

1.2.3.1 Number of students enrolled in subject related Certificate or Add-on programs year wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
2110	1814	1827	1812	1569

File Description	Document
Details of the students enrolled in Subjects related to certificate/Add-on programs	View Document
Any additional information	View Document

1.3 Curriculum Enrichment

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

Response:

The overall development of the students is the prime motive of education and we need no human robes without head heart. As such, the University curriculum itself includes courses and topics on Human Values, and Professional Ethics, and Environmental Studies, etc. In addition to that various programmes are organized in the college to integrate the crosscutting issues such as Gender equality and sensitization, Climate Change and sustainability, Human Rights, Disaster Management, Non- conventional sources of energy, ICT etc., into the curriculum.

To instil Moral, Social and Ethical values, the college has introduced two courses on Human Values and Professional Ethics and these courses help students gain a worldview of the self, society and profession. It emphasizes a holistic understanding of ethical human conduct, trustful and mutually satisfying human behaviour. The college also conducts Blood Donation Camp, Swacch Bharath, Medical camps and awareness programs in the nearby villages also to promote National Integrity, Human values, Communal Harmony and service motive.

‘Human Values and Professional Ethics’ course includes a unit on Social responsibility inculcating civicsense and virtues highlighting issues related to the dignity of women at home and workplace. Discussions, debates and guest lectures pertaining to gender sensitization are arranged at various occasions particularly on Women’s Day. The college has a Women Empowerment Cell to enhance the understanding of gender issues and make the college a safe environment for women to learn, work and realize their full potential. The Cell creates awareness on Women’s Issues, Rights, and Gender Equality and suggests ways to improve the social and economic condition of women and also deals with harassment issues faced by women in the college.

Environmental Studies is an interdisciplinary course and offered as a mandatory course for all the U.G programs. The course includes the study of natural resources with emphasis on renewable energy resources, the importance of conserving the present ecosystem, promoting biodiversity, perils of environmental pollution and raising awareness on environmental and social issues.

The college also has a vibrant NSS wing which encourages student participation in programmes like Haritha Haram (tree plantation), Swacch Bharat Abhiyan and bringing awareness on renewable energy sources, conservation of water and electricity. The Eco Club of the college conducts guest lectures on environmental awareness and celebrates Eco Week annually highlighting the importance of environmental conservation.

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

1.3.2 Average percentage of courses that include experiential learning through project work/field work/internship during last five years

Response: 37.65

1.3.2.1 Number of courses that include experiential learning through project work/field work/internship year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
202	180	181	168	120

File Description	Document
Programme / Curriculum/ Syllabus of the courses	View Document
MoU's with relevant organizations for these courses, if any Average percentage of courses that include experiential learning through project work/field work/internship	View Document
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View Document
Any additional information	View Document

1.3.3 Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)

Response: 69.67

1.3.3.1 Number of students undertaking project work/field work / internships

Response: 1470

File Description	Document
List of programmes and number of students undertaking project work/field work/ /internships	View Document
Any additional information	View Document

1.4 Feedback System

1.4.1 Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders 1) Students 2)Teachers 3)Employers 4)Alumni

Response: A. All of the above

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

1.4.2 Feedback process of the Institution may be classified as follows: Options:

- 1.Feedback collected, analysed and action taken and feedback available on website
- 2.Feedback collected, analysed and action has been taken
- 3.Feedback collected and analysed
- 4.Feedback collected
5. Feedback not collected

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

File Description	Document
Upload any additional information	View Document
URL for feedback report	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average Enrolment percentage (Average of last five years)

Response: 75.54

2.1.1.1 Number of students admitted year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
466	552	598	580	637

2.1.1.2 Number of sanctioned seats year wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
696	732	732	792	792

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

2.1.2 Average percentage of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years (exclusive of supernumerary seats)

Response: 71.43

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

2018-19	2017-18	2016-17	2015-16	2014-15
138	188	211	190	221

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

2.2 Catering to Student Diversity

2.2.1 The institution assesses the learning levels of the students and organises special Programmes for advanced learners and slow learners

Response:

Slow Learners:

The students admitted into this institution are social, economic, cultural vernacular backgrounds, with disparate levels of knowledge and skills; hence their learning needs are different. A three week induction programme is conducted immediately after the admissions, to direct the students towards professional course. In this induction program students are given Orientation towards Communication, Morals, Ethics Professionalism and Personality development. In addition to that the slow learners are identified based on the qualifying exam marks. After one month of commencement of class work a pre assessment test is conducted to assess the learning levels of the fresh graduate students. Based on their understanding levels students are categorized into slow and advanced learners. Slow learners are given extra coaching to improve their understanding levels. The weak students are identified from their participation in classroom discussion, performance in the assessment tests (less than 15 out of 30) and University result analysis.

Department arranges remedial lectures for weak students in all the courses. Teacher informs the parents regarding improvement of the performance of their ward on regular basis. Attempts are made by the teachers to give personal attention to these students. Specially developed question banks and assignments are given. Participative and progressive weak students are given chance to improve team work to motivate and appreciate their efforts.

The students are given remedial classes after the semester exam results. A blended motivation and responsibility from both parents and faculty will create a positive mindset and will help to overcome the inabilities and hurdles faced by the slow learners.

A special counseling and tutorial classes are conducted by the faculty for those students who have failed in any subject.

Advanced Learners:

When remedial classes are conducted for slow learners advanced learners are encouraged in tutorial classes to do problems on various Complexity.

Encouraging to Participate in Co and Extra Curricular Activities:

Advanced learners are encouraged to participate inter and intra national level technical symposiums and youth fests to showcase their talents

Encouraging to participate in Internship programs:

All III B.Tech Students are encouraged to go for Internships in their 2nd Semester.

The Institution encourages students to participate in **Hackathons / Design contests** that are conducted by various reputed organizations.

Bright students are encouraged to lead the students' association team which organizes various Activities.

The bright students having high academic track records are encouraged by faculties to achieve university ranks, also encouraged to take up competitive examinations like GATE, CAT, GRE etc. for the admission of higher studies.

File Description	Document
Upload any additional information	View Document
Past link for additional Information	View Document

2.2.2 Student- Full time teacher ratio (Data for the latest completed academic year)

Response: 15:1

File Description	Document
Any additional information	View Document

2.3 Teaching- Learning Process

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

Response:

The college believes that self-learning and learning beyond syllabus have a great scope in the development of the career of an engineer. Everything in engineering cannot be taught in the class room or laboratories.

Motivation for self-learning should be provided in the classrooms.

They should also be motivated to do things themselves so that they gain confidence to try anything with their own hands.

Facilities provided for the continuity of self-learning:

1. Central library
2. Digital library
3. NPTEL (National Program Technical Enhanced Learning)
4. Department Libraries.

5.MOOCs Courses

Instructional Methods and Pedagogies

The following methods are followed:

- 1.Talk & Chalk: Usage of blackboard, chalk and lecture
- 2.PPT: PowerPoint Presentation for the relevant topic
- 3.Visualization: Showing 3D objects to the students and explaining
- 4.Co-operative learning: A method of instruction characterized by students working together to reach a common goal
- 5.Enquiry-based instruction: Prior intimation of the topic in the previous classes to the students for inquiry of the topic and asking the questions in the next class
- 6.Differentiation: Summarizing the types with similarities and differences
- 7.Technology: New & updated technology relevant to the course
- 8.Behavior management: Wide variety of skills and techniques that teachers use to keep students organized, orderly, focused, attentive, on task, and academically productive during a class
- 9.Professional development: improving their professional knowledge, competence, skill, and effectiveness
- 10.Virtual lab: IIT virtual labs
- 11.Seminars: Seminar should be given by each student
- 12.Brainstorming: Giving a topic and allowing the students to think over it for new ideas
- 13.Buzz group: Formation of groups with 3-4 members in each and discussion on the Topic
- 14.Animated lecturers: Showing Animated videos to students
- 15.Pictorial sessions: 2D objects charts
- 16.Debate sessions: Assigning a topic to the students and allow them to debate
- 17.Quiz: Asking Questions on the covered topic by forming the batches.
- 18.OHP: Overhead Projections of the images
- 19.Role-play: Students are explored realistic situations by interacting with other people in a managed way in order to develop experience and trial different strategies in a supported environment.
- 20.Survey-based assessment
- 21.NPTEL Videos

File Description	Document
Upload any additional information	View Document
Link for additional information	View Document

2.3.2 Teachers use ICT enabled tools for effective teaching-learning process.

Response:

Learning Management System (LMS) & E – Learning Resources

Information & Communications Technology (ICT) enabled teaching methodologies are being followed by the faculty members in class rooms.

The institution has adopted LMS in Teaching & Learning process. Using this LMS Online tests are conducted and e-assignments are given through BYNDR, GREAT LEARNING and CODETANTRA Software. Using this LMS We can make the students into groups and can conduct various activities like quiz, group discussion etc.

The academic plan , lesson plan, teaching notes and question banks with solution are made available at the very beginning of the semester called as Academic book for each semester.

The use of multimedia teaching aids like, LCD projectors, classrooms with internet enabled computer/laptops/tablet systems are usually in use in the classroom.

The electronic resource packages like DELNET, NPTEL, INFLIBNET and Digital Library are available. USB Hard disk containing web and video courses (offline) from NPTEL are accessible to faculty and students from the server installed in the library. These courses are the part of LMS. also available on local Server.

Sufficient number of books, Journals, e-journals and e-books are available in the library. The research journals are available online and facility for accessing these journals is provided through proxy server in the campus.

All the departments conduct seminars, workshops and Guest lectures on the new developments in the core subjects for effective teaching and learning by the faculty members and students in each semester. All the class rooms are equipped with multimedia facilities using ICT tools. Invited talks and webinars are conducted in seminar hall using ICT facilities Internet tools like Email, social networks, newsgroups and video transmission have connected the world like never before. Students can now communicate using emails and social networking groups that provide knowledge based information. Distance learning, online learning is also enabled through the internet. Students can learn online and also talk to experts online. Notes, readings, tutorials, assignments can be received by students from anywhere. The Internet provides major information in texts, audios, videos and graphics which can be accessed by the individual. Online learning allows students to interact with each other and faculty to interact with students.

With the introduction of ICT in education, classroom learning is one attribute that makes learning experiential and experimental to students. Students can listen to the instructor or teacher, receive visual cues through PowerPoint images, handouts or whiteboard lists and participate actively. This helps in immediate interaction and students have opportunities to ask questions and participate in live discussions. This school communication software module further benefits in building and maintaining personal and professional relationships as classrooms offer greater personal contact with other students and teachers.

Video conferencing:

It enables students to become active participants in their own learning. Video Conferencing is a powerful communication tool that has the potential to effective delivery of information. It is just one of the today's integrative technologies that empower students to prepare for a better future. We are doing this activity through MOOCS courses offered by JNTUK

File Description	Document
Upload any additional information	View Document
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View Document

2.3.3 Ratio of students to mentor for academic and other related issues (Data for the latest completed academic year)	
Response: 15:1	
2.3.3.1 Number of mentors	
Response: 144	
File Description	Document
Upload year wise, number of students enrolled and full time teachers on roll.	View Document
mentor/mentee ratio	View Document
Circulars pertaining to assigning mentors to mentees	View Document

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years	
Response: 100	
File Description	Document
Year wise full time teachers and sanctioned posts for 5years(Data Template)	View Document
List of the faculty members authenticated by the Head of HEI	View Document
Any additional information	View Document

2.4.2 Average percentage of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. during the last five years (consider only highest degree for count)	
Response: 4.72	
2.4.2.1 Number of full time teachers with <i>Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt.</i> year wise during the last five years	

2018-19	2017-18	2016-17	2015-16	2014-15
11	6	6	6	5

File Description	Document
List of number of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. and number of full time teachers for 5 years (Data Template)	View Document
Any additional information	View Document

2.4.3 Average teaching experience of full time teachers in the same institution (Data for the latest completed academic year in number of years)

Response: 6.43

2.4.3.1 Total experience of full-time teachers

Response: 926

File Description	Document
List of Teachers including their PAN, designation, dept and experience details(Data Template)	View Document
Any additional information	View Document

2.5 Evaluation Process and Reforms

2.5.1 Mechanism of internal assessment is transparent and robust in terms of frequency and mode

Response:

The institute conducts two internal assessment tests after completing 8th week and 16th week respectively. Each test covers half of the syllabus. The tests are conducted for a maximum of 30 marks. The duration of the test is one and half hour and question paper is set to make the student to learn time management. Program Coordinator along with test coordinator is responsible for the conduction of the test. The department has a Scrutinizing Committee, comprising of The course co-coordinator sets the question paper for the Internal Assessment.

The course co-coordinator ensures to frame questions based on various RBT levels and is mapped to the Course Outcomes (COs) to assess the students at various RBT levels.

Procedure for Conduction and Evaluation of Internal Assessment Test:

The time table for the Internal Assessment Test will be conducted as per academic calendar and the dates are announced and kept in the Notice Board 10 days prior to the commencement of the test.

Setting of Question Papers:

For each subjects, question bank is prepared. While setting the question paper all previous university exam papers are taken into consideration. According to level of toughness the questions are prepared (viz., analyzing the problems, implementation of modern tools, formulating the problems etc), which is termed as Bloom's Taxonomy.

The questions will be of three categories:

One third of the questions is straight and can be answered by all students.

One third of the questions need analysis and use of content covered as per syllabus.

Remaining one third of the questions are not straight. Certain amount of thinking, analysis and mathematical knowledge are required to solve.

Internal Assessment Test:

The institute conducts two internal assessment tests after completing 8thweek and 16thweek respectively. Each test covers half of the syllabus. The tests are conducted for a maximum of 30 marks. The duration of the test is one and half hour and question paper is set to make the student to learn time management. Program Coordinator along with test coordinator is responsible for the conduction of the test. The department has a Scrutinizing Committee, comprising of HOD and two senior faculty members to check the quality of the question paper, RBT levels and Cos compliance.

Process for Internal Assessment Test Question Paper Setting:

The course co-coordinator sets the question paper for the Internal Assessment. The course co-coordinator ensures to frame questions based on various RBT levels and is mapped to the Course Outcomes (COs) to assess the students at various RBT levels.

Assignments:

Assignment issue and submission dates are announced by the respective faculty members.

Assignment questions are prepared and posted in LMS.(BYNDR). Assignments are evaluated and feedback is given to the students to improve their learning and appreciate their efforts

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

2.5.2 Mechanism to deal with internal/external examination related grievances is transparent, time-bound and efficient

Response:

INTERNAL EXAMINATIONS:

There is complete transparency in the internal assessment. The criterion adopted is as directed by the university. At the beginning of the semester, faculty members inform the students about the various components in the assessment process during the semester. The internal assessment test schedules are prepared as per the university and communicated to the students well in advance. To ensure proper conduct of formative tests, two invigilators are assigned to each hall. Evaluation is done by the course handling faculty members within three days from the date of examination. The corrected answer papers of the students are distributed to them for the verification by the students and any grievance is redressed immediately. The marks obtained by the students in internal assessment tests are displayed on the department notice board. The marks obtained by the students in internal assessment tests are uploaded periodically on the university web portal along with their attendance. Noting the values in observation and validating the theoretical aspects student must submit lab record regularly. Day to day performance of the students is assessed for every experiment which includes regularity, performance, viva and the promptness in submitting the record. The independent learning, practical approach to the real-time applications is tested by viva voce for laboratory courses. For the quality of the projects, the evaluation is done by Project Review Committee along with the project guides.

SEMESTER END EXAMINATIONS:

To ensure the transparency and curb the mal practices the university has introduced jumbling system and theory end examinations are conducted at a center other than the college. The end examination for the laboratory and projects shall be conducted with internal and external examiner appointed from the other colleges as decided by the University.

University has given us a provision to apply for recounting, re evaluation for the benefit of students. If any student doesn't satisfy with the marks/grades allotted by the examiner in semester end examinations they can apply for re counting/ re evaluation.

Redressal of grievances at institute level: Departmental Level: The continuous evaluation of students is carried out by faculty regarding theory lectures, labs, assignments, unit tests. The midterm marks are allotted based on defined strategies and displayed on notice board. Query if any is discussed with faculty and HOD. College Level: The Institute appoints a Senior Supervisor for smooth conduction of examinations. If students are facing any problems, they are solved by the institution. The grievances during the conduction of online/theory examinations are considered and discussed in consultation with the Principal and if necessary forwarded to the university by examination section. Redressal of grievances at University level: The queries related to results, corrections in mark sheets, other certificates issued by university are handled at JNTU examination section after forwarding such quires through the college examination section. Students are allowed to apply for revaluation, recounting and challenged evaluation by paying necessary processing fee to university if they are not satisfied with the university evaluation through college

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

2.6 Student Performance and Learning Outcomes

2.6.1 Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

Response:

The Vision, Mission of various departments and Program Education Objectives (PEOs), POs and PSOs of various programmes were framed to implement the outcome based education, and also inculcate, involve the faculty, students and various stakeholders towards outcome based education.

The Program Outcomes (POs) are common for all engineering programmes defined as graduate attributes and the NBA has given.

Vision, Mission, PEOs and PSOs are prepared by the department for the respective programmes.

Course Outcomes (COs) are prepared as mentioned below:

COs are prepared selecting an action verb using Bloom's Taxonomy significant to subject content. COs are prepared based on the curriculum syllabus. Totally 6 Course Outcomes are prepared for each subject in B.Tech programme. When it requires to consider multiple verbs, highest level of verb from Bloom's Taxonomy is considered.

Stake holders of the Programme are classified as Internal and External:

Internal Stake Holders:	External Stake holders:
Management	Parents
Teaching Staff	Employers
Non-Teaching Staff	Industries
Students	Alumni

The Vision and Mission Statements along with PEO's, POs and PSOs are published (Internal and External Stake Holders) at:

- College website
- Course files
- Lab Manuals
- Lab Records
- Faculty Attendance Registers
- Project Books
- LMS

The Vision and Mission Statements along with PEO's, POs and PSOs are displayed (Internal and External Stake Holders) at:

- HoD Room
- Department Corridors
- Department Notice Boards
- Seminar Hall
- Faculty Rooms
- Class Rooms
- Tutorial Room
- Central Library

Course outcomes are published (Internal Stake Holders only) at:

- Course File
- Lab File
- Project File
- LMS

Web Links of College Website Where POs,PSOs and COs are Displayed

Summary of Deployment of PEO'S,PO's,PSO's and CO's for all Stakeholders

S.No	Program Name	PEOS,POs and PSOs
1	B.Tech Civil	http://www.bvcits.org/department/s/civil-engineering/civil-pos-psos/
2	B.Tech EEE	http://www.bvcits.org/department/s/electrical-and-electronics-engineering/ee-pos-psos/
3	B.Tech Mech	http://www.bvcits.org/department/s/mechanical-engineering/pos-psos/
4	B.Tech ECE	http://www.bvcits.org/department

		s/electronics-and-communication-engineering/pos-psos/	
5	B.Tech CSE	http://www.bvcits.org/departments/computer-science-and-engineering/pos-psos/	
6	M.Tech VLSI	http://www.bvcits.org/departments/electronics-and-communication-engineering/pos-psos/	
7	M.Tech CSE	http://www.bvcits.org/departments/computer-science-and-engineering/pos-psos/	
8	MCA	http://www.bvcits.org/departments/master-of-computer-applications-mca/pos-psos/	
9	MBA	http://www.bvcits.org/departments/master-of-business-administration-mba/pos-psos/	

File Description	Document
Upload COs for all Programmes (exemplars from Glossary)	View Document
Upload any additional information	View Document
Past link for Additional information	View Document

2.6.2 Attainment of programme outcomes and course outcomes are evaluated by the institution.

Response:

In order to scientifically evaluate the levels of attainment of the projected perspectives, the Institute strictly adheres to the procedures of considering the performance merits of Program Specific Objectives, Program Outcomes and Course Outcomes using the design of top-down approach and appropriately mapping them.

For each course, attainment level of all Course Outcomes is arrived at scrupulously based on the student performance in the internal and external examinations. Similarly, the feedback at the end of course is taken to assess the Course Outcome indirectly. Thus, the attainment of Course Outcome is a combined result of direct and indirect assessment. This in turn helps in arriving at the Program Outcome assessment as each Course Outcome is mapped with certain Program Outcomes and Program Specific Objectives. Besides this, the exit survey is taken from students for indirect assessment of the Program Outcomes. The alumni and employer surveys are taken for indirect assessment of the Program Specific Outcomes.

The following computational procedures have been followed to arrive at the levels of attainment.

CO attainment:

Direct attainment of CO is computed considering 30% of CO attainment in internal examination and 70% of CO attainment in the external examination to arrive at the total attainment level.

The overall attainment of CO is calculated considering 80% of the CO attainment by Direct method and 20% of CO attainment through Indirect method for obtaining the final attainment level of CO.

PO and PSO attainment:

The direct attainment of PO and PSO is obtained by considering the contribution of each course.

The direct attainment of PO is computed by considering the average of attainments of all COs contributing to the specific PO. The overall attainment of PO is computed, considering 80% of the PO attainment through the direct method and 20% of PO attainment through indirect method. Similarly, the computation of the attainment of PSO is done on the basis of the attainment of PO.

PROGRAM	PO / CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
CIVIL	ATTAINMENT	1.89	2.19	2.16	2.28	2.39	2.1	1.88	1.5	1.5
EEE	ATTAINMENT	2.43	2.44	2.38	2.37	2.31	2.83	2.49	2	2
MECH	ATTAINMENT	2.335	2.379	2.255	2.273	2.095	2.323	2.1	2.1	2.1
ECE	ATTAINMENT	2.33	2.4	2.28	1.99	2.37	2.08	2.1	2.2	2.2
CSE	ATTAINMENT	2.53	2.47	2.51	2.26	2.4	2.54	2.43	2.4	2.4
MBA	ATTAINMENT	2.8	2.78	2.8	2.68	2.61	-	-	-	-
MCA	ATTAINMENT	2.15	2.32	2.29	2.08	2.26	2	1.33	2.6	2.6

File Description	Document
Upload any additional information	View Document
Paste link for Additional information	View Document

2.6.3 Average pass percentage of Students during last five years

Response: 80.02

2.6.3.1 Number of final year students who passed the university examination year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
464	484	504	506	371

2.6.3.2 Number of final year students who appeared for the university examination year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
616	644	643	600	427

File Description	Document
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View Document
Upload any additional information	View Document
Paste link for the annual report	View Document

2.7 Student Satisfaction Survey**2.7.1 Online student satisfaction survey regarding teaching learning process****Response:**

File Description	Document
Upload database of all currently enrolled students (Data Template)	View Document

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1 Grants received from Government and non-governmental agencies for research projects, endowments, Chairs in the institution during the last five years (INR in Lakhs)

Response: 14.06

3.1.1.1 Total Grants from Government and non-governmental agencies for research projects , endowments, Chairs in the institution during the last five years (INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
10.11264	0.5	0.4	2.0	1.05

File Description	Document
List of endowments / projects with details of grants	View Document
e-copies of the grant award letters for sponsored research projects / endowments	View Document
Any additional information	View Document

3.1.2 Percentage of teachers recognized as research guides (latest completed academic year)

Response: 0.69

3.1.2.1 Number of teachers recognized as research guides

Response: 1

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

3.1.3 Percentage of departments having Research projects funded by government and non government agencies during the last five years

Response: 17.14

3.1.3.1 Number of departments having Research projects funded by government and non-government agencies during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
1	1	1	2	1

3.1.3.2 Number of departments offering academic programmes

2018-19	2017-18	2016-17	2015-16	2014-15
7	7	7	7	7

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

3.2 Innovation Ecosystem

3.2.1 Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

Response:

Institute is having separate R&D cell. The R&D cell comprises of the following faculty members from various departments. In order to strengthen and expand the research activities in the institute, R&D cell was established and is functioning in this Institution from last several years.

Details of Innovative, R&D and Consultancy cell

Aim of innovative, R&D and Consultancy cell

- To encourage the faculty members to do the research and conduct awareness programs for paper and thesis write-ups.
- To train the faculties for filling and applying patents.

Goal or Objectives of innovative, R&D and Consultancy cell

- To organize and participate various workshops/ seminar/ trainings related to promotion of research
- To create responsiveness about filing Patents.
- To endorse Institute- R&D Organization- Industry Collaboration

- To push Core Competence and Consultancy work

The Roles and Responsibilities

- To prepare annual research activity plan for all the departments.
- Take up appropriate problems of the industry for finding solutions through R&D projects assigned to faculty and students.
- To initiate and promote MoU with industries and R&D organizations for consultancy, collaborative research, sponsored projects, industry institute interactions etc.
- To motivate students for presenting papers in National and International conferences and projects in competitions and inter college technical events like paper presentation.

Research policies framed.

- Financial assistance approved by the management for research publications in reputed journal.
- Generating knowledge amongst the researchers and providing support related to different project proposal formats of various funding agencies.
- Mounting number of publications of faculties and students by providing financial assistance.
- Guidance and assistance is provided for filing patents.

ENTREPRENEUR DEVELOPMENT CELL:

Aim of Entrepreneur Development Cell:

- To provide a platform for communication with entrepreneurs
- Teach entrepreneurial education/skills amongst students through various trainings and exercise
- Arrange energetic interaction with organizations promoting the origin of entrepreneurship.

Roles and Responsibilities

- Conduct awareness programmes on entrepreneurships and various Government schemes.
- Incubation and Innovation centres.

Desired outcome:

- Encourage students to develop their own startups
- Build up business incubators

Activities:

YEAR	NAME OF THE WORKSHOP/ SEMINAR
2018-19	SEMINAR ON AWARENESS PROGRAMME ENTREPRENEURSHIP

2018-19	ONE DAY SEMINAR ON "HOW TO PR PROJECT REPORT"	
2018-19	ORIENTATION SESSION ON ISB-TEP	
2018-19	TWO DAY WORKSHOP WITH HANDS ON TRA ON "EFFECTIVE PAPER AND THESIS WI USING LATEX"	
2018-19	ORIENTATION SESSION ON ISB-TEP	
2017-18	TWO DAYS TRAINING PROGRAM ON "HO IMPROVE TECHNICAL SKILLS"	
2017-18	ONE DAY WORKSHOP THE QUALITY OF ENTREPRENEUR	
2017-18	ONE DAY FDP ON "INNOVATION CREATIV STARTUPS"	
2017-18	ONE DAY WORKSHOP ON ENTERPRENEURSH	
2016-17	TWO DAYS HANDS ON TRAINING ON "BUI AND DEPLOYING MOBILE APPLICATION"	
2016-17	ONE DAY WORKSHOP ON "RES METHODOLOGIES"	
2016-17	ONE DAY WORKSHOP ON ENTERPRENEURSH	
2015-16	TWO DAYS TRAINING PROGRAM ON "INTE SKILLS & COMMUNICATION"	
2015-16	ONE DAY WORKSHOP ON QUALITY OF ENTREPRENEUR	
2015-16	ONE DAY SEMINAR PROGRAM ON "TECH PAPER WRITING"	
2014-15	ONE DAY WORKSHOP THE QUALITY OF ENTREPRENEUR	
2014-15	THREE DAYS FDP ON "RECENT TRENDS IN SC & ENGINEERING"	

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

3.2.2 Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the last five years

Response: 22

3.2.2.1 Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
6	5	4	4	3

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

3.3 Research Publications and Awards

3.3.1 Number of Ph.Ds registered per eligible teacher during the last five years	
Response: 4	
3.3.1.1 How many Ph.Ds registered per eligible teacher within last five years	
Response: 4	
3.3.1.2 Number of teachers recognized as guides during the last five years	
Response: 1	
File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	View Document
Any additional information	View Document
URL to the research page on HEI website	View Document

3.3.2 Number of research papers per teachers in the Journals notified on UGC website during the last five years				
Response: 3.23				
3.3.2.1 Number of research papers in the Journals notified on UGC website during the last five years.				
2018-19	2017-18	2016-17	2015-16	2014-15
127	98	95	86	59

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

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

Response: 0.12

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

2018-19	2017-18	2016-17	2015-16	2014-15
14	01	02	00	00

File Description	Document
List books and chapters edited volumes/ books published	View Document
Any additional information	View Document

3.4 Extension Activities

3.4.1 Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the last five years.

Response:

Our Institution NSS Unit consists of 100 service oriented volunteers who are ready to take up Service Activities. We adopted some of the adjacent villages like Peruru, Bodasakurru and Indupalli which are located in Amalapuram and Allavaram mandals and situated about to 2-4 Kms from our college. Our NSS Unit visits the adopted villages to give solutions to their problems and educate importance of gender equality to promote girl child education.

Extension activities are encouraged to be taken up by the students in order to fulfill the aspirations of Vision and Mission statements of the institution. The institution has an active NSS wing which takes up community services about cleanliness and takes up chlorination of wells and drainage pits.

We organized rallies on the importance of girl education and protection. As a part of "Save Earth

Programme", we campaigned against use of plastic and plastic bags.

We started a programme "War Against Mosquitoes" by giving suggestions to prevent the growth of mosquitoes. During summer we Conducted a Program for giving suggestions to the villagers for preparing ORSL to avoid sunstroke. During the NSS camp the illiterates of the adopted villages are trained to Learn and Write there by enabling them to put signature against thumb impressions.

Tree plantation is also taken up in and around community halls, schools and hospitals in the villages. Our students participated in the relief activities during the natural calamities.

Our students actively participated in the cleaning of drainages in the nearby villages as part of "Swatch Bharat Initiatives" and gave assistance to the orphanages & blind homes.

Also doing human service to the cause of HIV patients thereby giving awareness about preventing AIDS and also Special Yoga training is imparted to our students with the help of yoga teachers.

We conducted programmes on Road Safety measures and importance of voting and the process of voter enrollment .

We also extended our services to the Local Bodies and Government in arranging Bondobust duties during important festivals and General Elections.

Our volunteers are trained in Web Casting to take part in Elections. As a part of "**Digital India**" programme our students helped many people in their villages to carryout digital transactions using their mobile phones to promote cashless transactions.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

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

Response: 11

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

2018-19	2017-18	2016-17	2015-16	2014-15
03	02	03	01	02

File Description	Document
Number of awards for extension activities in last 5 year	View Document
e-copy of the award letters	View Document
Any additional information	View Document

3.4.3 Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., during the last five years (including Government initiated programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. and those organised in collaboration with industry, community and NGOs)

Response: 76

3.4.3.1 Number of extension and outreach Programmes conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
16	17	18	14	11

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

3.4.4 Average percentage of students participating in extension activities at 3.4.3. above during last five years

Response: 92.78

3.4.4.1 Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
1998	2103	1989	1976	1973

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

3.5 Collaboration

3.5.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship per year

Response: 401

3.5.1.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
172	111	79	32	07

File Description	Document
e-copies of related Document	View Document
Details of Collaborative activities with institutions/industries for research, Faculty exchange, Student exchange/ internship	View Document
Any additional information	View Document

3.5.2 Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the last five years

Response: 26

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

2018-19	2017-18	2016-17	2015-16	2014-15
10	06	04	03	03

File Description	Document
e-Copies of the MoUs with institution/ industry/corporate houses	View Document
Details of functional MoUs with institutions of national, international importance, other universities etc during the last five years	View Document
Any additional information	View Document

NVAAC

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

Response:

The vision of the institution is to constantly improve the students learning environment by providing the infrastructure that is on par with the prestigious institutions of India. The institution is actively trying to improve the quality of the knowledge imparted on the students, our policy allows us to be flexible and adapt to the current needs of our students so that we are able to bring the best out of them. The institution has smart classrooms with LCD Facility, Laboratories equipped to serve the students with sufficient practice, digital library, an R&D cell, and Project Lab to satisfy the aforementioned need.

The institution also organizes several seminars, talks, workshops, faculty development programmes related to emerging technologies to keep everyone in institution updated in their respective fields using the central facilities such as seminar halls.

BVC Institute of Technology and Science has a beautiful landscape, aesthetic architecture, eco-friendly environment, spacious classrooms, well equipped laboratories and good infrastructure spread over 25.94 acres.

Classrooms

The Institute has well-furnished, spacious and well ventilated 34 classrooms which are also well illuminated. Classrooms are maintained as per norms for proper visibility and audibility. The classrooms are equipped with adequate furniture, White boards(Chalk Free), projectors, fans, lights and power backup. All the required classrooms are provided with LCD projectors, LAN / Wi-Fi connectivity.

Laboratories

The Institution has domain centric 40 physical laboratories and One Computer Center as per the regulations of AICTE and JNTUK University. Adequate and well-maintained equipment to conduct experiments is provided. The laboratories are kept open beyond the working hours depending on the need of the students. Sufficient safety measures have been incorporated and are displayed at strategic locations in the laboratories.

Seminar Halls

The college has 2 seminar halls to conduct seminars, conferences, guest lectures, and workshops for students and faculty. All seminar halls have adequate seating capacity, and these are equipped with LCD projectors, whiteboards, raised platforms and public- address system with internet facility. There are tutorial rooms for conduct of other academic activities

Web based Teaching and Learning Halls

The college is well equipped with 34 ICT Class rooms and 2 Seminar Halls with LCD projectors, screens, audio systems, white boards and a computer with Internet connectivity for conducting MOOCS classes, NPTEL video lectures, Hackathons, IUCEE webinars etc. The halls are provided with adequate seating capacity.

Computing Equipment

The institution has 600 computers and required software tools for students. Every department has separate computer labs for conducting programming & simulation experiments to enhance the skills of the students. All the teaching staff are provided with desktops having internet connectivity.

Central Library

The institution recognizes the importance of the library as a good learning resource. It is updated regularly with the latest books & journals. The central library has a floor area of 800 Sqm with a reading space of 500 Sqm. Library has reprographic facilities. Library uses Online Public Access Catalog (Web OPAC) to access library facilities through digital library. The digital library has 30 systems with internet facility.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

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

Response:

The Institute has a Sports Club to oversee the cultural and sports activities. The Sports Club has a Sports Secretary, Academic Secretary, a Cultural Secretary - all of whom belong to the student community and are elected by the students.

The Sports Club arranges different sports activities. Indoor sports facilities are available in the indoor sports stadium with badminton, table tennis, chess and caroms. Well Equipped gymnasium is also there in the campus. Outdoor games are arranged in the sports fields. This institute provides best sports facilities to the students.

Facilities:

Cricket Field	1	
Football Field	1	
Handball court	1	
Kho-Kho court	1	
Volleyball Court	1	
Shuttle & Badminton(Indoor)	1	

Ball Badminton Court	1	
Gymnasium	1	
Table Tennis Tables	1	
ThrowBall(Women)	1	
Tennikoit Court	1	

Our students have participated in various games and sports organized by JNTUK,(B Zone), Enadu, Sakshi and other inter college Competitions

The college has been actively encouraging students to participate in various sports & games as it believes that there should be holistic development of an individual. The Department of Physical Education conducts sports and games for the staff and students in Cricket, Football, Volleyball, Athletics, Throw Ball and also in Indoor games like Tennikoit, Table tennis, Caroms, Badminton and Chess. Our students have excelled and won prizes in various intra-college, inter college and university competitions.

To encourage the students, the facilities are made available even beyond college hours. Transport facility is provided for all when sports & games events are conducted beyond college hours.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

4.1.3 Percentage of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc. (Data for the latest completed academic year)

Response: 100

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 36

File Description	Document
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View Document
Upload any additional information	View Document
Paste link for additional information	View Document

4.1.4 Average percentage of expenditure, excluding salary for infrastructure augmentation during last five years(INR in Lakhs)**Response:** 32.84**4.1.4.1 Expenditure for infrastructure augmentation, excluding salary year-wise during last five years (INR in lakhs)**

2018-19	2017-18	2016-17	2015-16	2014-15
123.58959	159.92962	201.95455	190.18695	151.12368

File Description	Document
Upload Details of budget allocation, excluding salary during the last five years (Data Template)	View Document
Upload audited utilization statements	View Document
Upload any additional information	View Document

4.2 Library as a Learning Resource**4.2.1 Library is automated using Integrated Library Management System (ILMS)****Response:****OPAC (Online public access catalogue):**

Web OPAC (Online Public Access Catalogue) facility is made available through Library Management Software to know the bibliographical details about the collection. One separate node is made available in the Central Library for OPAC facility.

For using this facility each and every faculty member and student is having login id and password so that they can use resources of library in a smart manner. All the library transactions are computerized and On-Line Public Access Catalogue has been introduced. Users can search the books details via author wise search, title wise search, subject wise search, and how many copies are available in a particular title in online itself. High speed internet is provided in the campus to access the facility by the student and faculty

Electronic Resource Management package for e-journals

The library subscribes to all-Society Periodicals package. In addition to that, link to scholarly open access journals/database is also available on the Library webpage.

A well-equipped Digital Library with 30 nodes having Internet connectivity is housed in the Central Library for access to e-Resources. As the access facility to e-journals is multi-user and IP address-based, students can access the E-Resources from anywhere in the campus. Apart from the printed books the

library is having access to e resources of n-list which is a part of e-shodh Sindhu, consortium of INFLIBNET, where the users are given awareness and made to access, browse and download e books, e journals, databases etc.

Computerized issue/return of books:

To facilitate faster issue and return of books and for easy tracing of the books issued, the college library books are being issued/returns through the smart brainy web based campus soft with bar coded technology so that each and every thing is transparent while issuing and returning of books from the library

ILMS synopsis

All the students and faculty members can login to the following browser by entering their login id and password <http://www.bvcits.org/central-library-student-staff-login/>

File Description	Document
Upload any additional information	View Document
Paste link for Additional Information	View Document

4.2.2 The institution has subscription for the following e-resources

- 1.e-journals
- 2.e-ShodhSindhu
- 3.Shodhganga Membership
- 4.e-books
- 5.Databases
- 6.Remote access to e-resources

Response: A. Any 4 or more of the above

File Description	Document
Upload any additional information	View Document
Details of subscriptions like e-journals, e-ShodhSindhu, Shodhganga Membership , Remote access to library resources, Web interface etc (Data Template)	View Document

4.2.3 Average annual expenditure for purchase of books/e-books and subscription to journals/e-journals during the last five years (INR in Lakhs)

Response: 11.12

4.2.3.1 Annual expenditure of purchase of books/e-books and subscription to journals/e- journals

year wise during last five years (INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
14.01337	9.99912	10.71900	8.32551	12.52998

File Description	Document
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the last five years (Data Template)	View Document
Audited statements of accounts	View Document
Any additional information	View Document

4.2.4 Percentage per day usage of library by teachers and students (foot falls and login data for online access) during the last completed academic year**Response:** 21.69**4.2.4.1 Number of teachers and students using library per day over last one year****Response:** 489

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

4.3 IT Infrastructure**4.3.1 Institution frequently updates its IT facilities including Wi-Fi****Response:**

The college has a well developed system for providing IT facilities to the users. Some of the facilities are as under:

- 1.All the required classroom in departments have LCD projectors with Wi-Fi Connectivity. Each department is having printers and scanners.
- 2.The computers of all the departments have updated software installed and the Hardware is also maintained from time to time.
- 3.The college website is monitored by IQAC and updated from time to time by website committee of the college.
- 4.All computers and printers of the institution are connected in LAN.

5. The institution is a Wi-Fi campus with a speed of 50 mbps and total internet facility of 95 Mbps .
6. The maintenance of computers, Printers, Internet Wi-Fi networking & installation of soft ware and up gradation of hardware is done on a regular basis by ICT cell.
7. The college take the help of experts for maintenance and repairs of computers and also for up gradation of its website.

INTERNET UPGRADATION

S.No.	Year	Bandwidth	PROVIDERS
1	2019-20	95 Mbps	BSNL, INET Solutions
2	2018-19	95 Mbps	BSNL, INET Solutions
3	2017-18	34 Mbps	BSNL, INET Solutions
4	2016-17	31 Mbps	BSNL, INET Solutions
5	2015-16	26 Mbps	BSNL, INET Solutions
6	2014-15	26Mbps	BSNL, INET Solutions

Computational Facilities

S.NO	Year	No of Systems
1	2019-20	600
2	2018-19	591
3	2017-18	639
4	2016-17	642
5	2015-16	653
6	2014-15	623

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

4.3.2 Student - Computer ratio (Data for the latest completed academic year)

Response: 4:1

File Description	Document
Upload any additional information	View Document
Student – computer ratio	View Document

4.3.3 Bandwidth of internet connection in the Institution

Response: A. 950 MBPS

File Description	Document
Upload any additional Information	View Document
Details of available bandwidth of internet connection in the Institution	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1 Average percentage of expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the last five years(INR in Lakhs)

Response: 24.57

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

2018-19	2017-18	2016-17	2015-16	2014-15
145.38893	187.01924	126.54761	140.63091	57.33451

File Description	Document
Upload any additional information	View Document
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View Document
Audited statements of accounts	View Document

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

Response:

The college has qualified and skilled manpower for executing maintenance activities across all departments. Separate budget provision is allocated for the upkeep of academic facilities like laboratories, classrooms, skill-related workshops, conference and seminar halls. In addition, the general facilities like sports & games rooms, restrooms and landscapes are also maintained with a budget allocated for it.

General maintenance is taken care by a separate cell called Maintenance Cell. The cell is headed by the Institution's engineering section, which comprises of competent civil and electrical engineers. The cell also has caretaker, supervisor and other supporting staff who are specialized in civil, electrical, air conditioning, etc. The team oversees the cleanliness of the buildings, classrooms, labs, furniture, seminar halls, conference hall, campus ground, sports facilities, staff and students amenity areas, cafeteria etc. The cell

also oversee the maintenance of sewerage treatment, rain water harvesting pits, elevators, water coolers, water purifiers, firefighting and fire alarm system, pest control etc. Housekeeping services are outsourced on annual contract basis and are made available during day time. Regular visits on a periodical basis are conducted by team head and based on the site conditions, renovations are proposed for works such as civil work, electrical work, painting, furniture etc.

The Heads of Departments report to the administration periodically for the maintenance of physical facilities. Minor repairs are registered in a ledger maintained in the office and are attended on priority basis. Students optimally utilize all classrooms during the daylong working hours and are also mentored to upkeep the furniture. Infra Red Motion sensors are installed in every class room to ensure switching of lights and fans if there is no human movement in the classroom. These sensors are to be regularly maintained every month and report to be generated. The physical facility complaints are handled by maintenance cell which is under the supervision of a faculty member from Civil Engineering Department.

The campus has power house which takes responsibility of supplying uninterrupted power to the entire campus. The team is headed by the head of the department from electrical and electronics engineering department. The department also has faculty and supporting staff to oversee the maintenance of generators, lighting loads, solar plant etc. The maintenance of generators is given to third party and periodic visits are conducted by the third party for proper function of the generators.

The institution has a separate computer center to oversee the maintenance of computers and related accessories. The team is headed by a coordinator (faculty) from computer science and engineering department and supporting staff. The maintenance works include replacement or repair of computers and accessories, hardware up gradation, software installation and up gradation, Wi-Fi maintenance, troubleshooting issues etc. Periodical examination is made by the supporting staff of all the departments and the status of computers and associated equipment are sent to the computer center every month for necessary action.

Maintenance of sports facilities is taken care by physical education department headed by physical education trainer and supporting staff. Periodical maintenance is done by the department for the maintenance of sports ground either by in house or third party.

The maintenance of library is taken care by Librarian and his supporting staff. Internal periodic audits are done in the library for maintaining wellness of the books. Frequent interactions are made by the librarian with the students and faculty to know the shortfalls and take necessary action to overcome them.

Heads of the Departments in consultation with the lab - incharges and technical staff oversee the maintenance of the academic facilities pertaining to their laboratories, workshops and classrooms. Calibration of the meters and equipment is done by third-party companies regularly, to ensure accurate reading for the experiments conducted in the laboratories.

S. No.	Name of the machinery and equipments	Service provider
1	Power House Generators	M/s Kodandarama
2	UPS and batteries	Venkateswara Batteries
3	Water purifiers	HRS Enterprises
4	Air conditioners	Billa Coolers
5	Computers	Sita Rama Computers

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

Criterion 5 - Student Support and Progression

5.1 Student Support

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

Response: 78.69

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

2018-19	2017-18	2016-17	2015-16	2014-15
1649	1746	1792	1746	1595

File Description	Document
upload self attested letter with the list of students sanctioned scholarship	View Document
Upload any additional information Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years (Data Template)	View Document

5.1.2 Average percentage of students benefitted by scholarships, freeships etc. provided by the institution / non- government agencies during the last five years

Response: 65.11

5.1.2.1 Total number of students benefited by scholarships, freeships, etc provided by the institution / non- government agencies year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
1570	1560	1365	1311	1243

File Description	Document
Upload any additional information	View Document
Number of students benefited by scholarships and freeships institution / non- government agencies in last 5 years (Date Template)	View Document

5.1.3 Capacity building and skills enhancement initiatives taken by the institution include the following

1. Soft skills
2. Language and communication skills
3. Life skills (Yoga, physical fitness, health and hygiene)
4. ICT/computing skills

Response: A. All of the above

File Description	Document
Details of capability building and skills enhancement initiatives (Data Template)	View Document
Any additional information	View Document
Link to Institutional website	View Document

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

Response: 37.88

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

2018-19	2017-18	2016-17	2015-16	2014-15
1017	1212	793	698	406

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

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

1. Implementation of guidelines of statutory/regulatory bodies
2. Organisation wide awareness and undertakings on policies with zero tolerance
3. Mechanisms for submission of online/offline students' grievances
4. Timely redressal of the grievances through appropriate committees

Response: A. All of the above

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

5.2 Student Progression

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

Response: 40.79

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

2018-19	2017-18	2016-17	2015-16	2014-15
301	270	354	173	125

File Description	Document
Upload any additional information	View Document
Self attested list of students placed	View Document
Details of student placement during the last five years (Data Template)	View Document

5.2.2 Average percentage of students progressing to higher education during the last five years

Response: 11.85

5.2.2.1 Number of outgoing student progression to higher education during last five years

Response: 73

File Description	Document
Upload supporting data for student/alumni	View Document
Details of student progression to higher education (Data Template)	View Document
Any additional information	View Document

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

Response: 74.35

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

2018-19	2017-18	2016-17	2015-16	2014-15
27	22	07	08	06

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

2018-19	2017-18	2016-17	2015-16	2014-15
30	23	10	13	11

File Description	Document
Upload supporting data for the same	View Document
Number of students qualifying in state/ national/ international level examinations during the last five years (Data Template)	View Document
Any additional information	View Document

5.3 Student Participation and Activities

5.3.1 Number of awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national / international level (award for a team event should be

counted as one) during the last five years.

Response: 47

5.3.1.1 Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) year-wise during the last five years.

2018-19	2017-18	2016-17	2015-16	2014-15
06	14	05	12	10

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

5.3.2 Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities following duly established processes and norms (student council, students representation on various bodies)

Response:

Apart from academics, co-curricular and extra co-curricular activities play vital role in shaping their carrier and personality development. Every department has student councils which is formed based all round performance of the students as members of respective departments to organize various activities for the development of department students such as Poster Presentation, PPT, Project Expo and Seminars. The college has been actively encouraging and giving whole hearted support to the students to participate in all co curricular and extracurricular activities as it believes that there should be holistic development of an individual. Our students have excelled and won prizes in various intra-college, inter college and university competitions.

Cultural Activities:

Arts and Cultural Association is conducting various events to encourages students to participate in the various cultural events organized during HORIZON college cultural fest to strengthen their personal skills and to bring out inherent talents of the students. They are also encouraged to take part in competitions organized in other colleges and universities. This association will conduct competitions every year on various occasions to celebrate the traditional and holistic movements of our nation like Independence & Republic day we conduct competitions on the theme of patriotism.

Sports and Games:

Sports and Games Association headed by physical director conducts various games and sports inter competitions in Cricket ,Volleyball, Throw Ball, Table Tennis ,Badminton and Chess during our college youth fest which is the best way to regain energy and enhance the students personality by boosting and maintaining mental and emotional well-being. Every year they are conducting intra-college cricket tournament BVC Premier League. Our students have participated in various games and sports organized by JNTUK, other colleges and various tournaments. Our students have excelled and won prizes in various intra-college, inter college and university competitions. Through sports, students are able to build a wide range of abilities and skills such as leadership, confidence, teamwork, patience, self-reliance, trust, and many more which facilitate the overall development of an individual.

NSS and Social welfare Activities:

NSS is the special wing in our college to promote and conduct social development activities by helping the people who is needy gets help to enhance their standard of living in our locality by providing food, clothing and first aid in case of natural calamities. Every year on September 15th we are conducting a blood camp in our institution in association with Area Hospital Amalapuram. 'Light for Lost' is the service oriented students initiation in our college to help orphans and needy people in our locality.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

5.3.3 Average number of sports and cultural events/competitions in which students of the Institution participated during last five years (organised by the institution/other institutions)

Response: 50.6

5.3.3.1 Number of sports and cultural events/competitions in which students of the Institution participated year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
64	32	54	58	45

File Description	Document
Upload any additional information	View Document
Report of the event	View Document
Number of sports and cultural events/competitions in which students of the Institution participated during last five years (organised by the institution/other institutions (Data Template)	View Document

5.4 Alumni Engagement

5.4.1 There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

Response:

BVICTS Alumni Association (NO: 306 of 2019) is a platform through which the alumnus gets in touch with their alma matter and other alumni of the institution. The primary objective is to reconnect, reminisce, and revisit the rich memories, connect with classmates, strengthen the bond, and savor the rich experiences gained over the years. The driving force behind Alumni Association is to encourage alumni interactions that would benefit our students in terms of learning, as well as sharing their rich expertise.

The various avenues provided by the alumni are listed as under;

- The college encourages the Alumni to provide lectures in technology and career guidance as well as motivational talks to the students.
- They are also invited to share their success stories with the students.
- The Alumni who wish to share their experiences can do so by identifying the area in which they wish to lecture and/or counsel the students and schedule a convenient date and time in consultation with the Alumni President and HOD of Respective Departments.
- Motto of Alumni Association is to encourage the Alumni to take up initiatives like providing internships, placements, project assistance, and referrals to our students. These steps would increase their employability factor and help them evolve as successful engineers.
- The college has always promoted the spirit of entrepreneurship among the students. Alumni Entrepreneurs have been sharing their experiences with the students through "*Entrepreneurship Development Cell*".

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

5.4.2 Alumni contribution during the last five years (INR in lakhs)**Response:** A. ? 5 Lakhs

File Description	Document
Upload any additional information	View Document
Link for any additional information	View Document

NVAAC

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

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

Response:

The dawn of BONAM VENKATA CHALAMAYYA INSTITUTE OF TECHNOLOGY & SCIENCE: AMALAPURAM from BVC Educational Society is the brainchild of Sri BONAM KANAKAYYA son of late Sri BONAM VENKATA CHALAMAYYA, a great Philanthropist whose vision envisages 'Toil, result will come to you' and it came into existence since 2002. More than 34 acres of lush green campus, free from pollution bounded by beautiful countryside and serene ambience remind us of modern "Gurukulam" having everything required for learning environment.

Management, Science & Technological excellence and human values are the key parameters in the vision statement as perceived by the institution. The mission statement spells out the needs of the society in explicit terms, namely competitive technology and holistic development of the individual to accomplish the vision of the institution. To achieve these objectives, the teaching-learning process involves imparting competitive technology effectively to the students through various courses. The board of governors, constituted as per the norms, oversee the operations of the institute and provide for proper functional environment of the institute. The Board of Governors meet at regular intervals and review the operations of the institution and provide guidance for further improvements keeping vision, mission and strategic plan in view.

GOVERNING BODY OF THE INSTITUTION

S.NO	NAME	DESIGNATION
1	Mr. B V Rajesh	Chairman
2	Dr. G M V Prasad	Member Secretary
3	Mr. Bonam Kanakayya	Member
4	Mr. B K Satish	Member
5	Mrs. B Kanaka Durga	Member
6	Mrs. K Suseela	Member
7	Dr. Metla V Surya Narayana	Member
8	Nominee from AICTE	Member

9	Nominee from JNTUK,KAKINADA	Member
10	Nominee from Technical Education,Govt.of AP	Member
11	Dr. M C S Madan	Member
12	Prof. A N V J Raja Gopal	Member

Perspective Plans:

The Principal who is also an Ex-Officio member of the Academic Committee of the Institution, discusses the Perspective Plan of the board with the Academic Committee of the Institution and it is then finalized in consultation with the GB. The Strategic Plan for the institute was developed in the year 2020 with duration of 10 years. Based on the achievements till 2020 further plans were prepared up to 2030.

Participation of the teachers in the decision making bodies:

Faculty are represented in all decision making bodies namely, Governing Body, Academic Committee, IQAC etc. While two senior faculty have been nominated as members of GB, all Heads of Departments, Librarian and administrative Officer have been nominated as Academic committee members. Faculties are serving as members of various Committees viz., Anti Ragging, Grievances Redressal, Industry-Institute Interaction etc. Minutes of the GB are posted on the Institute Website. The minutes of the meetings of other Committees are recorded and circulated to the concerned.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.1.2 The effective leadership is visible in various institutional practices such as decentralization and participative management**Response:**

Yes, the institution promotes the culture of participative management. At each level (of the institution, principal, HOD's, Faculty, non-teaching staff and students), there is an active participation in planning and implementation. The faculties are actively involved in planning and implementing the academic calendar and teaching learning process. The co-curricular and extracurricular activities are planned and organized by the faculty, non-teaching staff and students in coordinated way under the auspicious of appropriate faculty as the coordinator for the designated cell. HOD's involvement is mostly in development, procurement,

selection of junior faculty, program and activities, starting of new programs, etc. Various cells of the institution has representatives of faculty and students. The principal of the institution is responsible for academic, non academic and administrative activities of the institution. On behalf of the institution, he interacts and corresponds with AICTE, Commission of Technical Education, Govt. of A.P., UGC, JNTUK, etc.,

MAAAC

S.No	Cells/Committees	Convenor	Mail.id's	
1.	Governing Body	Prof B V Ram Kumar	bvramkumar.bvts@bvcgroup.in	
2.	College Academic Committee	Dr MCS Madan	mcsmadan.bvts@bvcgroup.in	
3.	Finance Committee	Mr M Raja	mraja.bvts@bvcgroup.in	
4.	Internal Quality Assurance Cell	Prof A N V J Rajan Gopal	anvjrajgopal.bvts@bvcgroup.in	
5.	Library and Information Cell	Mr I Vamsiram	ivamsiram.bvts@bvcgroup.in	

6.	Admissions Committee	Mr V Seshu Kumar	vsseshukumar.bvts@bvcgroup.in
7.	Anti-Ragging Committee	Mr B.Sesha Rao	bsesharao.bvts@bvcgroup.in
8.	Examination Cell	Mr.T.Sivarama Krishna	tsivaramakrishna.bvts@bvcgroup.in
9.	Training & Placement and Career Guidance cell	Mr APVDL Kumar	lapvdlkumar.bvts@bvcgroup.in
10.	Student Counselling/ Mentoring Grievances Redressal Cell	Mr Ch Ranjith Kumar and Mr P.Srikanth	chranjithkumar.bvts@bvcgroup.in psreekanth.bvts@bvcgroup.in
11.	Staff Affairs Committee	Mr K L G Reddy	klgreddy.bvts@bvcgroup.in
12.	SC,ST,OBC and Minority Cell	Dr.D.Satyanarayana,	dsatyanarayana.bvts@bvcgroup.in
13.	IIR&DC & EDC Cell	Dr.G.Ramprabhu	gramprabhu.bvts@bvcgroup.in
14.	Extension Activities Cell	Mr.K.Durga Rao	durgaraokathula.bvts@bvcgroup.in
15.	Industry Institution Partnership Cell	Dr.K.Sirisha	ksirisha.bvts@bvcgroup.in
16.	Time table committee	P N V Ganesh	pattmenvganesh.bvts@bvcgroup.in
17.	Alumni Cell	P.Bhogiraju	panjabhogiraju.bvts@bvcgroup.in
18.	Internal Complaints Cell	Mrs M H Padma	sharisripadmamedicharla..bvts@bvcgroup.in

19.	ICT Cell	Mr.S.Suresh and Mr G L N V Sglnvskumar. Kumar,	ssuresh.bvts@bvcgroup.in bvts@bvcgroup.in	
20.	Sports and Games Cell	Mr.Ch Sarvarayudu	chsarvarayudu.bvts@bvcgroup .in	
21.	General Maintenance Committee	Mr.P.Siva Prasad	psivaprasad@bvcgroup.in	
22.	Arts and Cultural Committee	Mr.G N V S R Chnvsr Murthy	chvsrvmurthygamini.bvts@bvcg roup.in	
23.	Students Association Coordination Committee	Ms.G.Vijaya Kumari	gvijayakumari.bvts@bvcgroup. in	
24.	Medical/ Hostel /Canteen Cell	Mr P T S Nptsnmurthy Murthy	ptsnmurthy.bvts@bvcgroup.in	

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.2 Strategy Development and Deployment

6.2.1 The institutional Strategic / Perspective plan is effectively deployed

Response:

BVC Institute of Technology & Science has following Perspective/Strategic plans:

- Accreditation by National bodies (APPLIED FOR RENEWAL OF NAAC).
- Executing R & D cell effectively.
- Established T& P Cell training center student placement, career guidance, and higher studies.
- Activating Entrepreneurship Development Cell for better industry institute relationship through MOUs to enhance the activities cell.
- Planning for incubation center to guide and support the prospective entrepreneurs.
- Implementation and effective use of ICT enabled learning management system (LMS).

Short Term Goals

- To improve the quality of campus life
- Meeting the requirements of affiliation and standards
- Identifying and meeting student learning expectations
- Strengthening the Teaching Learning process
- Conducting Workshops in trending technologies.
- Introduction of Performance Management
- Aligning Every Stake Holder to Vision and Mission
- Create a conducive environment of continuous learning and research
- NBA and NAAC Accreditation

Long Term Goals

- Setting up Centre of Excellence
- Incubation center
- Establishing University Affiliated Research Center
- Autonomous UGC recognition for University

File Description	Document
strategic Plan and deployment documents on the website	View Document
Paste link for additional information	View Document

6.2.2 The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.**Response:**

Principal is the chairperson of administrative and academic activities of the institution. Heads of the various departments take the responsibility of heading all the administrative and academic activities at their respective department level. The HODs possess both the academic and financial autonomy in accordance with all academic aspects. They are entitled to take decisions as per the needs of the situations in exigencies and get them ratified by the Head of the Institution subsequently at a later stage. The Principal,

HODs and Team leaders are sanctioned amount, on impress basis for monitoring the execution of the scheduled events. Based on the experience and the expertise of the faculty members, team leaders have been identified to lead different teams which are functioning effectively. They can act spontaneously for moulding / grooming the members of their teams and they have been identified as second rung leaders. Recruitment of teaching, non-teaching and office administration staff is planned at the end of every academic year as per the requirements of the next academic year. Staff appraisal system is in existence in tune with the promotional policies. The grievance redressal mechanism helps us to serve better by understanding the expectations.

The HR policy book of the institute direct to take decisions and ensure proper smooth functioning of the organization. The HR Policy book contains in 10 chapters it covers important aspects, such as governing body of the institution, planning, salary, incentives, leaves, promotions, recruitment, discipline, and grievance procedure, consulting, R&D, and teaching assignments, in-house R&D, and seminars/workshops, incentives to students.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document
Link to Organogram of the Institution webpage	View Document

6.2.3 Implementation of e-governance in areas of operation

1. Administration
2. Finance and Accounts
3. Student Admission and Support
4. Examination

Response: A. All of the above

File Description	Document
Screen shots of user interfaces	View Document
ERP (Enterprise Resource Planning) Document	View Document
Details of implementation of e-governance in areas of operation, Administration etc	View Document
Any additional information	View Document

6.3 Faculty Empowerment Strategies

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

Response:

Institution has adopted following welfare measures for both teaching & non-teaching staff members. The details of Various welfare measures are given below:

Academic leave with full pay for pursuing higher studies. Registration fee, Dearness allowance, travel grants for teaching and non teaching staff for attending various seminars, conferences, workshops, faculty development programs, and skill development courses. Financial Support was provided for the faculty members to present the technical & Research Papers at various conferences. Seed money grant for pursuing minor research activities and supporting for experimental setup to pursue PhD. . Faculty are provided Incentive for publications of textbooks, for publishing professional/academic/technical articles in relevant Science, Engineering, Management Science disciplines. Financial support is provided to the faculty for obtaining the patents in their relevant fields. Extending incentives to the faculty on completion of MOOCs courses like NPTEL. Faculty are encouraged for consultancy activities by providing sharing of revenue in consultancy projects. Permission to faculty to deliver guest lectures at other institutes Visits to industry and higher learning institutes for knowledge acquisition / sharing creating facilities to pursue research activities with modern facilities. All class rooms are equipped with digital boards and LCD for making the faculty to use latest technology for delivering the lectures effectively. Advanced and licensed softwares are provided for enhancing the professional skill of the faculty. Earned leave, Half Pay leave/Medical leave, Special leave, for both teaching and non- teaching staff are being provided.

Maternity leave for the women staff @180 days is sanctioned. Provision of exclusive transport facility is there for teaching and non teaching staff. Bus travel facility is provided to students from various parts of the konaseema region. Management contribution to Provident funds for non teaching staff has been made compulsory, while it is voluntary to the faculty members. Employee Provident fund scheme is implemented for all eligible staff. Extension of ESI benefits is provided to non-teaching staff. Group health insurance policy has been obtained for the both teaching and non teaching staff. Availability of a Health Care Centre-- First Aid with all accessories are kept in the laboratories where moving machinery is installed and also at strategic locations. Emergency medical care and first-aid is available in the campus with one Nursing Assistant. General medicines are made available in the centre. An Ambulance with all facilities is available in the college round the clock for emergency services. All staff both teaching and non teaching are allowed to avail sports facilities to improve their physical fitness. The ramp for accession on floor is provided for divyangans.

SUMMARY STATEMENT OF INCENTIVES & FINANCIAL SUPPORT

S.NO.	BENEFICIARY ITEM	2018-19	2017-18	2016-17	2015-16		
1	Incentives towards Academic Results	85,000	1,16,000	1,26,000	1,36,000		6
2	Incentives towards Paper Publications	6,56,000	4,92,000	4,81,000	4,30,000		2
3	Incentives towards professional Membership	90000	-	-	-		-

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

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

Response: 17.08

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

2018-19	2017-18	2016-17	2015-16	2014-15
54	21	21	12	15

File Description	Document
Upload any additional information	View Document
Details of teachers provided with financial support to attend conference, workshops etc during the last five years	View Document

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

Response: 13.8

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

2018-19	2017-18	2016-17	2015-16	2014-15
14	14	14	14	13

File Description	Document
Upload any additional information	View Document
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff	View Document

6.3.4 Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course).

Response: 25.15

6.3.4.1 Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
76	79	18	00	09

File Description	Document
Upload any additional information	View Document
IQAC report summary	View Document
Details of teachers attending professional development programmes during the last five years	View Document

6.3.5 Institutions Performance Appraisal System for teaching and non-teaching staff

Response:

The Management evaluates the performance of the faculty based on teaching, research, participation in teamwork, arranging co-curricular and extra-curricular activities and publication works. They are awarded and appreciated during Annual Day celebrations. The appraisal system motivates the staff to excel and put forth the best of their efforts. Staff retention is one among the strengths of the Institution.

The following factors are deeply analyzed in the appraisal system for teaching staff- Skill up gradation through participating in Conferences, Workshops, Faculty Development Programs and Other Innovative teaching practices, Pursuing higher studies (Ph.D.) Research activities and obtaining patents. Result percentage produced in the University Examination, Publication works in the Scopus indexed/impact factor/e-journals & conference proceedings, publication of chapters in books & Publication of books, carrying out sponsored projects, Mentoring and Counseling methods, feedback for HOD & Principal, feedback from students, Establishing rapport with peers active participation in team work. Undertaking new academic ventures and being team leads, rewards for outstanding achievements in their studies pursued after joining the institution. Attending specific conference/workshops/training programs related to cells, for which they coordinate as team leaders.

Awards and rewards are extended for being good academician-State and national level community service through the Institution and outside the Institution participation in conducting extracurricular activities. Experience, skills-upgradation through orientation programs, Refresher Course, Short Term Course and

Faculty Development Programs, Higher Studies, Feedback from HoD & Principal, Active participation in team work, Work Discipline outstanding achievements in their studies, participation in Community services are encouraged.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

The Institution has appointed an Internal Audit Team within the organization to cover regular Review and Vouching of all day to day transactions, Physical Verification of Fixed Assets, Review and reporting on the Internal Controls and its sufficiency and check on Statutory Compliances. This process is used to assess the organization's performance or the execution of a process against a number of standards, policies, metrics, or regulations. This audit includes examining internal controls around accounting, financial reporting, and IT general controls. Audit team also examines validity and reliability of financial, accounting and other data, reports and deviations. The Team conducts audit as per their audit programme using tools and techniques and appropriate methods for checks at regular intervals and evaluates the efficiency of risk management procedures that are currently in place. The team conducts testing adhering with accreditation and varied regulatory requirements. The Team completes the audit in required phenomena and reports it's finding to the Audit Committee on quarterly basis. The Institution maintains its independency and does not interfere in the audit functions.

External Auditors have been appointed by the institution as per the statutory requirement. The External Auditor conducts audit in accordance with the Generally Accepted Accounting Policies, applicable Financial Reporting Framework, Statutory Provisions and regulations etc. The Auditor conducts audit in compliance with the standards on auditing issued by the ICAI. Auditor conducts audit and draws conclusion on the Financial Statements. Their main role is to validate financial records of the Institution to find out if there is any misstatement in the entities & records because of fraud, error or embezzlement. It increases the authenticity and credibility of financial statements. It also reviews the entities accounts to show that they are accurate and complete. Another objective is to confirm that the accounting records follow standard practices. It reviews financial statements, such as balance sheets, to certify that they present the entities finances accurately. The details of audit carried out year wise is furnished for FY 2014-15 to FY 2018-19 Quarterly and Annually.

The mechanism of resolving audit objections are given below:

The committee reviews the results of an audit with management and external auditors, including matters

required to be communicated to the committee under generally accepted auditing standards. Controls over financial reporting, information technology security and operational matters fall under the purview of the committee. Audit committees meet separately with external and internal auditors to discuss matters that the committee or auditors believe in are discussed privately. The committee reviews proposed audit approaches and handle coordination of the audit effort with internal audit staff. The findings of the Auditors are referred to the Audit Committee of the Institution. The Audit Committee goes through the findings and submits its remarks/responses. The audit report along with the response of the Audit Committee is reviewed by the Governing Body of the Society, which has sponsored the Institute. So far, there have been no major short comings/findings.

File Description	Document
Paste link for additional information	View Document

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

Response: 10.11

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

2018-19	2017-18	2016-17	2015-16	2014-15
10.11264	0	0	0	0

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

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

Response:

To meet the below expenses of revenues are generated from tuition fee, bank interest, common service fee, NBA fee, alumni fee, and miscellaneous.

The Institution always monitors the effective and efficient use of available financial resources for the infrastructural development and teaching learning process. Each and every rupee spent for the development is properly auditable by the chartered accountant. Statutory audit as a specific concern enables a reporting

system to the management express the reasonableness on the utilization of the financial resources. As a part of Outcome Based Education system, this institution has given utmost importance for the generation and utilization of funds to meet the objectives of the institution. The institutional strategy to generate funds is primarily based on Quality enhancement strategy. This strategy is essential in teaching learning and scientific-work environment. By providing quality enhancement, a better fee structure can be claimed by the Institution from the government. This also leads to improved funding. Hence, quality enhancement of the institution is nurtured to generate funds from different sources.

Optimal utilization of funds is ensured through the following:

1. Adequate funds are allocated for effective teaching-learning practices that include conduct of FDPs, orientation programs, workshops, inter-disciplinary activities, training programs that ensure quality education.
2. The budget will be utilized to meet day-to-day operational and administrative expenses and maintenance of the fixed assets.
3. Enhancement of library facilities leads to novel learning practices and accordingly requisite funds are utilized every year.
4. Adequate funds are utilized for development and maintenance of sound infrastructure for the institute.

Fees Collections:

Students are admitted as per the Andhra Pradesh Government prescribed Higher Education norms by admitting 70% of students through Govt. Counseling (Category A) and 30% through Category B quota (with reference to AP Govt. G.O.Ms.No 74 Dated:28 -07-2011).

Recurring Expenses:

Salary to staff, academic activities and payment of bank interest are met with fee collection accrual.

Infrastructural development facilities and Building construction works:

Management allocates budget to create and upgrade the infrastructural facilities over and above in tune with the statutory requirements.

Research and project activities:

Knowledge is generated and applied in new innovations and technologies which in turn shall be utilized to enhance the quality of socio-economic and environmental conditions of society. The institute is committed to providing excellence in research. The institute has executed many major Research and Development projects.

Seminars, Conferences and Faculty Development Programs and other co-curricular:

The institute conducts the above said activities regularly by matching with the latest technology, innovations, research, changes and needs for the society.

Extra-curricular activities

Sports facilities have been increased to provide ample opportunities for conduct of sports and games events enabling student participation, both within and outside the campus.

Green Atmosphere

Plantation and gardening has been developed aptly. Proper care is taken to maintain cleanliness in the campus which coexists with godliness.

Bio-waste management expenses

The institute utilizes the policy of bio waste management effectively as it provides good environment.

File Description	Document
Paste link for additional information	View Document

6.5 Internal Quality Assurance System**6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes****Response:**

The IQAC of the college is involved in drawing the quality policies for teaching-learning, research, curriculum planning and implementation, student activities, innovation and all the extracurricular and co-curricular activities. Quality parameters are developed for various academic/administrative activities of the institute.

These Parameters include

- a) Assessing the quality parameters and providing required suggestions for the improvement.
- b) Arranging training on pedagogy every semester for all newly admitted faculty.
- c) Conducting seminars/workshops & FDPs on emerging technologies for faculty.
- d) Conducting guest lectures from industry experts.
- e) arranging regular training/certification programmes for students & supporting staff.

f) Encouraging R&D and consultancy.

g) Action plan for enhancing quality of student projects (Outcome based approach).

h) Action plan for improving the FPI (Faculty Performance Index).

AQAR of the college appropriately captures the quality policy of the college, strategies adopted, tools and methods followed to implement and institutionalize the quality policies.

File Description	Document
Upload any additional information	View Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities (For first cycle - Incremental improvements made for the preceding five years with regard to quality For second and subsequent cycles - Incremental improvements made for the preceding five years with regard to quality and post accreditation quality initiatives)

Response:

IQAC Contribute/Monitor/Evaluate the Teaching and learning processes

Feedback from the stakeholders (students, alumni, industry experts, research organizations). Monitoring of course files, lecture schedules, course plans by random sampling verification of cycle test analysis. Arrangement of special classes for weak students during evening hours. Identify the new processes and recommending the same for improving the quality.

The following innovative processes are adopted by the institution in teaching and learning:

- Promoting the usage of ICT.
- Implementing OBE.
- Mapping course outcomes/instructional objectives and program educational objectives.
- Arranging training on pedagogy and assessing its impact on teaching-learning.
- Arranging training on latest technologies.
- Conducting FDP programs on emerging technologies.
- Course coordinators for a section are nominated. His/her responsibilities include-Monitoring the teaching learning process of each subject in that semester, monitoring the schedules and helping the teacher of a subject on delivery methods after consulting internal/external experts in that subject.

Besides regular classroom learning and innovative teaching methods like:

- Guest lectures on advanced topics by the Eminent Academicians and industry experts.
- Conducting seminars by students.
- Practice of emerging technologies through mini projects and Term Papers.
- Faculty development through subject based workshops, orientation programs, seminars and conference programs, technology based workshops etc.
- Field trips and industrial visits etc.
- The programs are designed by outcome based approach.

Encouraging faculty for online certification courses (NPTEL, MOOCS, etc):

86 faculty members and 70 students have got NPTEL course completion certificates for various courses. BVC Institute of Technology and Science local chapter was rated as “AA” by NPTEL for March-April 2017 examinations.

98 faculty members and 140 students have got NPTEL course completion certificates for various courses. BVC Institute of Technology and Science local chapter was rated as “AA” by NPTEL for September-October 2018 examinations.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.5.3 Quality assurance initiatives of the institution include:

1. Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analysed and used for improvements
2. Collaborative quality initiatives with other institution(s)
3. Participation in NIRF
4. any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

Response: A. All of the above

File Description	Document
Upload e-copies of the accreditations and certifications	View Document
Upload details of Quality assurance initiatives of the institution	View Document
Upload any additional information	View Document
Paste web link of Annual reports of Institution	View Document

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Measures initiated by the Institution for the promotion of gender equity during the last five years.

Response:

As more than 57% of students are girls in the campus, encouragement to girl students is more by making them participate in all curricular and co-curricular activities. The women empowerment cell celebrates women's day and also the National Girl Child Day every year on January 24th. Talks and programs on the abuse of girls, programs and campaigns against violence on girls are conducted by inviting eminent doctors, lawyers, elite lady officers from time to time during different occasions. In college buses, special seats are allocated and a separate parking slot in vehicle parking sheds, a separate partition in the canteen for having lunch in the college mess, a separate row of benches in all the class rooms, waiting halls and wash rooms in for girl students. Sanitary napkin vending machine and destroyer are also available for girl students.

For safety and security of girls, a well covered CC cameras are installed at vulnerable places and entry of strangers is under CC surveillance systems is monitored. Security personnel also monitor the entry of new comers and strangers. In women's hostel, a separate security guard and warden will take care of girl students.

For counseling the girl students, a separate women's grievance cell-Internal Copmplaint Cell with a provision of in camera interaction is there for their privacy. A senior lady faculty will counsel the students.

Activities conducted and No. of Participants

S.NO.	Academic year	Date	Name of the activity	No. of Participation
1	2014-15	12-01-2015	Sankranthi sambharalu	80
2		26-01-2015	Republic day	20
3		08-03-2015	International Women's day	160
4	2015-16	14-08-2015	Seminar on Gender Sensitisation	150
5		12-01-2016	Sankranthi sambharalu	80
6		26-01-2016	Republic day	20
7		08-03-2016	International Women's day	150
8	2016-17	12-11-2016	Seminar on Women Safety and	175

			Respect		
9		12-01-2017	Sankranthi sambharalu	100	
10		26-01-2017	Republic day	20	
11		8-03-2017	International Women's day	175	
12	2017-18	02-04-2017	Work Shop on Legal Rights for women	150	
13		12-01-2018	Sankranthi sambharalu	175	
14		2-03-2018	Holy Eve	120	
15		8-03-2018	International Women's day	200	
16	2018-19	25-12-2018	Self Defence work Shop for girls	300	
17		12-01-2019	Sankranthi sambharalu	175	
18		8-03-2019	International Women's day	200	

File Description	Document
Link for specific facilities provided for women in terms of: a. Safety and security b. Counselling c. Common Rooms d. Day care center for young children e. Any other relevant information	View Document
Link for annual gender sensitization action plan	View Document

7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures

- 1.Solar energy**
- 2.Biogas plant**
- 3.Wheeling to the Grid**
- 4.Sensor-based energy conservation**
- 5.Use of LED bulbs/ power efficient equipment**

Response: A. 4 or All of the above

File Description	Document
Geotagged Photographs	View Document
Any other relevant information	View Document

7.1.3 Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 500 words)

- Solid waste management
- Liquid waste management
- Biomedical waste management
- E-waste management
- Waste recycling system
- Hazardous chemicals and radioactive waste management

Response:

Solid waste management

The solid wastes generated from the different sources on the campus are segregated as non-degradable and bio-degradable. For this purpose separate dustbins are provided all around the campus. Dustbins are also placed in each classroom for convenient usage. The biodegradable waste comprising leaves and waste food are disposed through composite pit which has been constructed for disposing this biodegradable waste. This also helps to produce manure. The house keeping personnel collect solid wastes from all the departments, including canteen, mess etc, after segregation into bio degradable and non biodegradable items, non-biodegradable items will be handed over to a local vendor. The vendor will in turn transport these items to a nearby recycling plant. The biodegradable items will be disposed off into a composite pit which is designed for degradation and decomposition.

Liquid waste management

To supply potable water to the students, an ozonized drinking water plant is available. Wastage of drinking water is restricted through proper monitoring. Waste water is properly drained out to a shallow water body situated near boys' hostel. Waste water is also being used for maintaining greenery in the campus providing ecologically aesthetic environment. Proper drainage system is arranged for all the buildings in the campus. The waste water released from the RO plant is used for gardens. The the rain water from roof top, runoff and liquid waste from canteen is disposed off into rain water harvesting structures (pits constructed with the size of 5*5*4 feet-l*b*d).

All the buildings within the campus have been equipped with rain water harvesting system to improve the ground water table level. Roof top of each block is catchment of rain water which passes through the pipelines connecting the canals. The water collected in this shallow pond helps the college to make an attempt to raise the subsoil water. All of these steps help the college to save a lot of water without going waste as well as liquid waste management system.

E-waste management

The used/old electronic goods from Physics, Electronics, Computer and other Laboratories, and office monitors, keyboards, wires, mouse, printers, LCD's and peripherals are sold to certified scrap dealers, who collect and dispose end-of-life electric and electronic equipments in responsible manner. The outdated/damaged items will be collected and disposed off through outside agencies. Other E-waste materials are properly disposed. NSS unit will conduct awareness programmes regularly to create awareness about E-waste management to all the stake holders of the institution.

Biogas plant

. A mini biogas plant with a capacity of 36 Cft is in operation in the college mess. The raw materials for bio gas production are: leftovers of food items, vegetable peelings and cow dung and water etc. The gas produced will be used in the college mess kitchen for cooking of items on small scale.

File Description	Document
Any other relevant information	View Document
Link for Relevant documents like agreements/MoUs with Government and other approved agencies	View Document
Link for Geotagged photographs of the facilities	View Document

7.1.4 Water conservation facilities available in the Institution:

1. Rain water harvesting
2. Borewell /Open well recharge
3. Construction of tanks and bunds
4. Waste water recycling
5. Maintenance of water bodies and distribution system in the campus

Response: A. Any 4 or all of the above

File Description	Document
Geotagged photographs / videos of the facilities	View Document
Any other relevant information	View Document

7.1.5 Green campus initiatives include:

1. Restricted entry of automobiles
2. Use of Bicycles/ Battery powered vehicles
3. Pedestrian Friendly pathways
4. Ban on use of Plastic
5. Landscaping with trees and plants

Response: Any 4 or All of the above

File Description	Document
Various policy documents / decisions circulated for implementation	View Document
Geotagged photos / videos of the facilities	View Document
Any other relevant documents	View Document

7.1.6 Quality audits on environment and energy regularly undertaken by the Institution and any awards received for such green campus initiatives:

- 1.Green audit**
- 2.Energy audit**
- 3.Environment audit**
- 4.Clean and green campus recognitions / awards**
- 5.Beyond the campus environmental promotion activities**

Response: A. Any 4 or all of the above

File Description	Document
Reports on environment and energy audits submitted by the auditing agency	View Document
Certification by the auditing agency	View Document
Certificates of the awards received	View Document
Any other relevant information	View Document

7.1.7 The Institution has disabled-friendly, barrier free environment

- 1.Built environment with ramps/lifts for easy access to classrooms.**
- 2.Disabled-friendly washrooms**
- 3.Signage including tactile path, lights, display boards and signposts**
- 4.Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment**
- 5.Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading**

Response: B. 3 of the above

File Description	Document
Policy documents and information brochures on the support to be provided	View Document
Geotagged photographs / videos of the facilities	View Document
Any other relevant information	View Document

7.1.8 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 500 words).

Response:

As a means to create and feel an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities, the NSS, literary and cultural wings of the college are organizing number of activities for the students to learn and know about the culture, traditions, religions and other diversities, from time to time. We encourage students to go field visits and industrial tours.

The institute has taken many extra efforts/initiatives to provide an inclusive environment for the students and faculties as well. The purpose of such events in the institute is to include the sense of peace, equality and harmony among students. This initiative was taken to exhibit harmony towards technical and cultural events. In college fests and functions, each department students exhibited their projects that meet the society needs and requirements. Students of various departments participated in different technical events to show their talents.

In addition to techfest, youth festivals, freshers, farewell parties, we are conducting number of events and activities like tree plantation by NSS volunteers, distribution of Medicines during Swine flu, .To retain our culture and heritage students are encouraged to participate and organize festivals .The distribution of prasadam or refreshments/snacks etc in eco-friendly plates to students during Dasara festive season i.e. Saraswati puja, Vinayaka puja, Ugadi, Christmas day, Techfest, Youth Festival, annual day celebrations, freshers day and farewell parties. During cultural programs, we include programs on traditional dress competitions dressing as brides of different states/countries, customs of other states by the students. Conduct rallies on the eve of 'Sadbhavana' Diwas. Conducting Rangoli competition during Sankranti sambharalu, rallies on the importance of constitution and Voter registration, Matrubhasha dinotsavam (Mother language day) etc.

File Description	Document
Link for supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View Document
Link for any other relevant information	View Document

7.1.9 Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens (within 500 words).

Response:

To sensitize students and employees of the institution to become responsible citizens and obey the constitution, to discharge their duties, the, NSS cell, Arts & Cultural cells have conducted a number of programs and events to promote good qualities, develop a feel of sense and responsibility. A good no of programs conducted and a few of them, like- International Yoga Day, Independence day, Republic day, National Integration Day, National Constitution Day, National Hindi Day, National Science day, National Students Day, National Youth Day, National sports day, Fresher's day, Blood Donation camps, AIDS control awareness, Voters day. As feel of responsible citizens of India, every year on the eve birthday of Mother Teresa, students and staff distributing clothes, utensils, etc to the needy and poor through charity organization -L-Square. To cause awareness among the stake holders of the institution about road safety, to protect environment- conserve energy, resources, Swachha Bharat campaigns, clean and neat, plantation programs Vanamahaostavam, Mathru Bhasa Dinostavam, rallies on Plastic ban, hazards of E-waste etc were organized. Organizing periodically various programs on Professional ethics, human values from time to time, apart from these, the college management is also encouraging our faculty to attend various programs being organized by other universities and affiliated colleges.

File Description	Document
Link for any other relevant information	View Document
Link for details of activities that inculcate values necessary to render students in to responsible citizens	View Document

7.1.10 The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard.

- 1. The Code of Conduct is displayed on the website**
- 2. There is a committee to monitor adherence to the Code of Conduct**
- 3. Institution organizes professional ethics programmes for students, teachers, administrators and other staff**
- 4. Annual awareness programmes on Code of Conduct are organized**

Response: A. All of the above

File Description	Document
Details of the monitoring committee composition and minutes of the committee meeting number of programmes organized reports on the various programs etc in support of the claims	View Document
Code of ethics policy document	View Document
Any other relevant information	View Document

7.1.11 Institution celebrates / organizes national and international commemorative days, events and festivals (within 500 words).

Response:

Our institution organizes National Festivals and Birth and Death Anniversaries of great Indian Personalities with enthusiasm. Our students are on a mission towards better India by breaking the boundaries of religion and caste..

1. 26th January Republic Day- Republic Day is celebrated on January 26 to commemorate the adoption of constitution.
2. 15th August Independence day- It is celebrated every year. It is a grand event marked with the flag hosting by the Chief Guest and well-practiced march-past by many teams of Security Personnel. cultural activities related to independence movement are exhibited
3. 5th September (Dr.Sarvepalli RadhaKrishnan Birth Anniversary)- On 5th September, we celebrate Dr. Radhakrishnan's birthday as Teachers' Day with great fervour. The students organize a programme for the teachers and the Guru-Shishya parampara is celebrated.
- 4.15th September Engineers day (Birth Anniversary of Sir Visvesvaraya) - We celebrate this day on 15th September consistently as an exceptional tribute to the best Indian Engineer Bharat Ratna Mokshagundam Visvesvaraya.
5. 2nd October Mahatma Gandhi Birth Anniversary - Gandhi Jayanti is celebrated on 2nd October consistently to recollect the birth commemoration of Mahatma Gandhi.
6. 15th October "World Student Day" – Dr A.P.J. Abdul Kalam's birthday will be celebrated in the campus as "World Student Day". United Nations Organization (UNO) declared the birth date of Dr APJ as a mark of honour. This day is a celebration of multiculturalism, diversity and cooperation among students.
7. 31st October Ekata Divas (Birth Anniversary of Sardar V B Patel)- it is celebrated as National Unity Day to recall the constructive role played by Sardar.V.B.patel in the integration of states.
8. 12th January will be celebrated as National Youth Day.It is held on the birthday of Swami Vivekananda who is the icon for the youth.

9. 5th June Will be celebrated as World Environment Day: Our students take rallies in around Amalapuram town educating people about the importance of eco-system.

10. 8th March will be celebrated as International Women's Day: International Women's Day is a global day celebrating the social, economic, cultural and political achievements of women. The day also marks a call to action for accelerating gender parity.

11. 21st June will be celebrated as International Yoga Day:

We conduct a one day Yoga training camp from 10 a.m to 5 p.m for all the students and staff. The instructor explains the basic principles of yoga and speaks about the importance of Yoga in the present context.

12. November, 26 will be celebrated as Constitution Day of India:

It has its own importance in the history of independent India because on this day in 1949, the Constitution of India was adapted and it came in to effect on 26 January, 1950, marking the dawn of a new era.

13. National Sports Day: It is celebrated on 29 August, 1905 to commemorate the birthday of Indian hockey legend Major Dhyan Chand. Sports are considered very important for the physical and mental development of humans. His birth anniversary is celebrated as National Sports Day in the country

File Description	Document
Link for any other relevant information	View Document
Link for Annual report of the celebrations and commemorative events for the last five years	View Document
Link for Geotagged photographs of some of the events	View Document

7.2 Best Practices

7.2.1 Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

Response:

Best Practice : 1

1. Title of the Practice : Green learning environment-“Teach with Nature”

2.Objectives of the Practice: Inspire environmental and conservation stewardship by engaging students and the community in outdoor activities that connect them with natural surroundings. Encourage responsible natural resource use and a lifelong love of the outdoors. Build an environmentally conscious and literate citizenry.

3.The context:Teaching in Nature is a structured approach to professional development in Outdoor Learning.It supports groups of educators to work together to use a nearby place that is special for nature to plan, implement and evaluate challenging and fun outdoor learning experiences for their pupils. It combines collaborative, practical and online approaches to support teachers through the next stage in their outdoor learning journey. It matches the experts on the curriculum (e.g. teachers) with the experts on the natural heritage. In the changed context of eco-consciousness, we have switched over to new approaches and methods. Here the principle of 'Green Learning Environment-“Teach with Nature” plays a major role.

4. The Practice: The environment plays a significant role in the process of teaching and learning. In India, we had a rich tradition of the Gurukula System of education for many years where students used to learn things from their teachers squatting before them in the Ashramas made of thatched huts. The huts meant for classrooms were naturally ventilated. In summer it will very cool inside those thatched classrooms. There was no need for artificial lighting or artificial air systems like fans or A.Cs etc. The huts are very cost-effective, and they can be built by raw materials readily available in the surrounding nature. These huts don't have acoustic problems. We can maintain them at a low cost. As they are eco-friendly there will be no problems relating to health. They provide a natural atmosphere for learning and teaching.

Our College is situated in lush coconut fields full of greenery. It consists of vast land where we can follow this type of education.We can have many thatched classrooms in the gardens where we can carry out teaching. At times the teaching in these classrooms in the changed atmosphere which is entirely different from routine classrooms situation is inspiring and interesting, The students enjoy learning things with great interest. A change from confining in a classroom makes the students feel happy. As the hut classrooms were situated at different places one far from the other there will be no much disturbance in the teaching and learning process. The teachers need not waste much of their energy to check the noise or disturbances from other classes. In the absence of unnecessary diversions, students can concentrate much on the subject and the teacher can feel at home in such a classroom atmosphere. There was no need to spend money on artificial lighting or artificial air systems like fans or A Cs etc. The huts are very cost-effective, and they can be built by raw materials readily available in the surrounding nature. These huts don't have acoustic problems. We can maintain them at a low cost. As they are eco-friendly there will be no problems relating to health. They provide a natural atmosphere for learning and teaching.

5.Evidence of success: Our College is situated in lush coconut fields full of greenery and it consists of vast land where we can follow the Shantiniketan type of education.We can have many thatched classrooms in the gardens where we carry out teaching at times for a change. This may not be possible for some institutions are located in cities and congested areas. As our institution is situated far from the madding crowds, the teaching in these classrooms in a serene atmosphere will be inspiring and interesting, which is entirely different from the teaching in the maddening atmosphere.

6.Problems encountered and resources required: Financial resources and changing the mindset of students are two major problems in implementing 'Green Learning Environment-“Teach with Nature.”and we have to overcome these problems.The students are being trained to enjoy learning things with great interest in the hut students and concentrate much on the subject. Our college management is ready to spend the

needed amount for the uplift of the college and better service to the student community at large. They have been doing much in the field of technical education and they are ready to take up new ventures like this.

7. Notes (optional): Our college campus is spread over nearly 25.94 acres of coconut garden and full greenery. We want to utilize this unique opportunity of having a vast tract of land full of greenery at our hands. Keeping all the above things in mind and to feel close to nature and outdoor environment and to create a 'Green learning environment' and to 'Teach with Nature' we have developed 07 thatched huts for congenial teaching and learning environment.

Best Practice: 2

1. Title of the Practice: Employable skill-based education:

2. Objectives of the Practice:

As per the motto of central government to develop skills and to provide skill based education among the students of India, a comprehensive program 'Skill India' to train and develop industrial, entrepreneurial skills among the students was launched in this campus.

The main objective of this program is skill based education and to strengthen the technical knowledge of the students. This training ensures that students attain the scope of career in both their core and in the IT industry. The session starts from the very first year of their curriculum and exists until their placements in the final year.

1. Includes: Python, Data Analytics, Java, C, Revit, Revit- MEP, AutoCAD, IoT, VLSI, Robotics Tutorials and related programming lab practice problems.
2. In addition to the languages within the curriculum, the newer batch gets to learn the additional language – Python, which happens to be growing and on-demand in the market.
3. Timed programming tests, so as to serve as a mock test for the actual placement process.
4. Related analytics and Metrics for Training and Placement by the department as well as associated faculties.
5. Students will get individual performance reports. The Technical Association Activities of each department were integrated with the curriculum within the time table. The office bearers were nominated and the planned activities were conducted regularly throughout the semester.

1. **The Context:** There are many gaps between the requirements of the industry and acquired abilities for the fresh graduates from engineering colleges. To bridge this gap the students must be equipped with various types of skills.

2. **The Practice:** The activities start with the first working day and close with a Valedictory in every academic year. The technical competencies of the students are identified in conducting various competitions and quiz. The guest faculty is invited for talks or to conduct workshops. A Valedictory is conducted during the end of the academic year and distribution of certificates on that day program. In our college, we have a separate cell to train the students in 'Employable skills'

and students make the best use of it.

3. **Evidence of success:** The technical competencies and diverse talents of the students are brought to the forefront and were encouraged to take part in national level competitions. Some of the students explore their areas of interest to present papers in Intercollegiate Technical Competitions. Students have excelled in placements and got good placements with higher packages in several top MNC's. The percentage of placement also increased to 55.52% (2013-2017 passed outs). A reasonably good no of students went to abroad for higher studies and settled well in different nations. . Enables in achieving PO's: PO1 Engineering knowledge, PO5 Modern tool usage, PO6. The Engineer and Society: PO7. Environment and Sustainability, PO8. Ethics, PO9 Individual and Team Work, PO10 Communication, PO11, Project Management and Finance, PO12 Life-long learning.

- Knowledge in many programming languages from the basics
- The fundamental concepts of the language gets stronger
- Performance evaluation for each student at the end of the session
- Course completion Certificate will be provided after each course
- Students will be well-trained in core concepts and will be ready to face the interview by the time they reach their final year. Learning (Code Tantra) that helps to practice codes at anytime; training in many programming languages; test cases that match real-time problems; training based on core concepts; performance evaluation.

SALIENT FEATURES: The salient feature of the skill development includes:-

Online test at the end of each session and Course certificate.

1. **Problems encountered and Resources Required:** Availability of funds and financial resources is a major constraint and arranging continuous training programs in the regular college hours and also due to compact academic year schedule given by the university.

1. **Notes(optional) :**

We often hear industries complaining about graduates not being job-ready and academicians speaking about the nonexistent help of industry in preparing the workforce of the future. The best way to involve industry during the education of the students is to integrate classroom learning with on-the-job learning. This will provide adequate opportunities to all stakeholders to understand each other's capabilities, strengths and help in strengthening weak areas.

Subjects such as Behavioral skills, Communication, IT, Teamwork, Analytical ability, etc. can be developed from secondary classes for students and they can then be introduced to trade specific skills from class nine which can be continued right through the graduation years and beyond. Learning new skills and gaining knowledge is a lifetime activity. This is not something to be set aside for years of higher education.

Our aim is to foster a set of skills in budding engineers to improve their employability. Our main aim is to inculcate certain skills through training.

The salient features of employable skill-based education are:

Vocational skills need to be aligned very closely with the education system and need to begin in the early years of education.

Every student should be exposed to a few basic skills and a few specialized ones which they can choose to learn as they go along the education path.

The initial few years should be spent in providing an overview and preparing the students on what skill sets they want and will be good at.

Gradually, teach them a particular skill over the next few years, such that when he/she completes graduation, they are ready for employment in the given sector.

Traditionally, we have been teaching mostly through classrooms but the methods of learning across the four classrooms viz. On-Campus, On-site, Online and On-The-Job should become the route to learning. A schedule and structure for the duration for each classroom can be put together tailored to the students on the basis of their class, skill sets, and background.

File Description	Document
Link for Best practices in the Institutional web site	View Document
Link for any other relevant information	View Document

7.3 Institutional Distinctiveness

7.3.1 Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Response:

The Vision, Mission and Quality Policy of the Institution are all oriented towards the holistic development of the student. At the time of admissions, BVCITS is the most preferred college in this area in general and for girl students in specific. The reason is due to maintaining high standards, good infrastructure, dedicated staff, the personal care, safety and main emphasis on security of students more over a very good placements track record. The Institution's focus has been to impart quality education coupled with the overall development of the students. To achieve this, the Institution encourages students to participate in various activities.

The college which completed its 18 years of existence in 2020 has a strong bonding with the local people i.e. 85000 families have benefited through employment directly and indirectly. The college successfully implemented the semester system which was introduced by JNTUK University almost a decade ago. The focus is on skill development, career oriented programs, industry visit, industry-academia interaction and college have brought all these aspects under curriculum implementation and enrichment. Special attention is given to weak students especially belonging to SC/ST, OBC and minority groups. The students of BVCITS are not only guided to achieve excellence in the education but are thoroughly equipped with the knowledge of social perseverance and environmental sustainability. It lays special effort on students understanding of current environmental crisis and through its various schemes like energy conservation, waste management, rain water harvesting, plantation drives urges them to become eco friendly citizens. College in its endeavor to implement its curriculum incorporating its mission and vision with contemporary issues has evolved a number of best practices like high priority for girl students-their safety, security, CC surveillance, achieving of comparatively good results in academics, conducting a no of curricular, co curricular and extracurricular activities as per the year planner, for the better placement of students, we conduct CRT classes, soft skills classes, mock technical tests and mock HR rounds to our students for on and off campus drives, our aim is every student to get placed and become an entrepreneur.

File Description	Document
Link for appropriate web in the Institutional website	View Document
Link for any other relevant information	View Document

5. CONCLUSION

Additional Information :

- Recognized & Approved by AICTE, New Delhi.
- Recognized under section 2(f) and 12 (B) of the UGC Act 1956
- NAAC accreditation with B grade (2015-2020)
- Permanently affiliated to JNTUK, Kakinada in 2011 and 2014 for three years respectively
- Member of Amaravati Knowledge Centre (formerly called JKC) of A.P. State Government with Star Status.
- MoUs with various Organizations
- Member of Indian National Digital Library, MHRD
- NPTEL Local chapter membership
- Student section/Chapter/Forum of ISTE, IETE and CSI
- Registered Institution for TEP – Technical Entrepreneurship Programme of ISB, Hyderabad.

Concluding Remarks :

BVC Institute of Technology & Science within 18 Years of its inception was accredited by NBA, accredited by NAAC with B grade, permanently affiliated to JNTUK twice in 2016 & 2019 for three years respectively, Recognized under 2(f) and 12(B) by UGC, well settled alumni in India and abroad itself proclaims the achievements of the institution.

Extra-curricular, co-curricular activities together with academic excellence have helped the students to secure good academic percentage in the University examinations. The emphasis placed on projects, MOUs, linkages & internships encourage the student to work on tapping in to dormant potential and improving performance at every available opportunity. The average pass percentage over the years is above 80 percent with 35 percent of students being placed in various organizations. The institution consistently occupied in the list of best engineering colleges affiliated to JNTUK.

FUTURE ROAD MAP:

- Sustaining the present NAAC Accreditation status and going for UGC Autonomous status.
- Getting renewal of NBA accreditation for all Programs
- To make the institution as a recognized research centre.
- Generation of additional revenues through enhanced consultancy services
- Interaction with outside the world through Networking of library with access to international knowledge resources
- Development of innovative products
- To develop web based content development centre
- Transfer of appropriate technology for societal applications.