



Bapuji Educational Association (Regd.)

Bapuji Institute of Engineering and Technology

Post Box No. 325, Shamanur Road, Davangere-577004,

Karnataka, India

Year of Establishment – 1979

(Affiliated to Visvesvaraya Technological University, Belagavi)

Approved by AICTE, New Delhi



ANNUAL QUALITY ASSURANCE REPORT (AQAR)

2018-19

Submitted to



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद्

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grant Commission

P.O.Box.No. 1075

Opp: NLSIU, Nagabhavi, Bengaluru – 560 072 India

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Part - A
Composition of IQAC

Sl. No.	Name	Designation
1.	Dr.M.C.Nataraja, Principal	Chairman
2.	Prof. Y.Vrushabhendrappa, Director	Member
3.	Dr. Anila Kumar C.P, Professor, Dept. of Civil Engg	IQAC Coordinator
4.	Dr. Kanakuppi Sadashivappa, Dean, Academics	Member
5.	Dr H. B. Aravinda, Dean, Student Affairs	Member
6.	Dr. B .E. Rangaswamy, Dean, R&D	Member
7.	Dr. S. Kumarappa, Dean, Examination	Member
8.	Dr. M.S. Nagaraj, Dean, Placement	Member
9.	Dr. Nirmala, HOD, CS&E	Member
10	Dr.Kotturu Shettar, HOD,Mechanical, BVB College of Engg, Hubli	External Member (Academics)
11.	Dr. Kamoji, HOD, Mechanical, KLE, Belgaum	External Member (Academics)
12.	Mr. Vageesh K Patil, GE, Bangalore	External Member (Industry)
13.	Mr. Halaswamy, Magod Lasers, Bangalore	External Member (Alumni)

The Annual Quality Assurance Report (AQAR) of the IQAC

Data of the Institution

1. Name of the Institution BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY

- Name of the Head of the institution : Dr. M.C.Nataraja
- Designation : Principal
- Does the institution function from own campus: YES
- Phone no./Alternate phone no. : 08192-221461, 08192-220938
- Mobile no. : 98804 47742
- Registered e-mail : principal@bietdvg.edu
- Alternate e-mail : iqac@bietdvg.edu
- Address : Post Box No.325, Shamanur Road,
Davangere - 577004
- City/Town : Davangere
- State/UT : Karnataka
- Pin Code : 577004

2. Institutional status:

- Affiliated / Constituent : Affiliated
- Type of Institution: Co-education/Men/Women : Coeducation
- Location : Rural/Semi-urban/Urban : Urban
- Financial Status: Grants-in aid/ UGC 2f and 12 (B)/ Self financing: Self Financing
- Name of the Affiliating University : Visvesvaraya Technological University
- Name of the IQAC Co-ordinator : Dr. Anila Kumar C.P
- Phone no. : 08192-221461
- Alternate phone no. : 08192-220938
- Mobile : 94805 99788
- IQAC e-mail address : iqac@bietdvg.edu
- Alternate Email address : principal@bietdvg.edu

3. Website address: www.bietdvg.edu

Web-link of the AQAR: (Previous Academic Year): 2018-19
http://www.bietdvg.edu/NAAC/AQAR_2018-19.pdf

4. Whether Academic Calendar prepared during the year?

Yes/No....., if yes, whether it is uploaded in the Institutional website: YES

Weblink: <http://www.bietdvg.edu/academics/AcademicCalender.pdf>**5. Accreditation Details:**

Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1 st	A	3.10	2017	from: 27-11-2017 to: 26-11- 2022
2 nd				from: to:
3 rd				from: to:
4 th				from: to:
5 th				from: to:

6. Date of Establishment of IQAC: DD/MM/YYYY: 01-09-2016**7. Internal Quality Assurance System**

7.1 Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & duration	Number of participants/beneficiaries
1. Regular Meeting of IQAC	25-10-2019 12-11-2019	22 08
2. Academic Administrative Audit	13-11-2019 to 16-10-2019	Academic audit meetings were held in all the departments to inspect the academic activities.
3. Participation in NIRF	--	
4. NBA Preparations	All the departments are preparing to go for NBA accreditation	All the departments

Note: Some Quality Assurance initiatives of the institution are: (Indicative list)

- Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback from all stakeholders collected, analysed and used for improvements
- Academic Administrative Audit (AAA) conducted and its follow up action
- Participation in NIRF
- ISO Certification
- NBA etc.
- Any other Quality Audit

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

Institution/ Department/Faculty	Scheme	Funding agency	Year of award with duration	Amount (Rs.in Lakhs)
Dept. of Bio Technology				
Dr. Rangaswamy B.E	Pollution	Karnataka	2019	0.2 Lakhs

	Control	State Pollution Control Board, Davangere	Short term	
Dr. Rangaswamy B.E Dr. Manjunath N.S	SPP	KSCST, Bengaluru	2019	18,000/-
Dr. Rangaswamy B.E	KFiST	VGST- Bangalore	2019	20 Lakhs
Dept of Chemical Engg.				
Dr. Mamatha M	NAIN	NAIN	2018-19	1.5
Smt. Shashikala K. J	NAIN	NAIN	2018-19	1.55
Dr. G.P. Desai	NAIN	NAIN	2018-19	1.8
Dr. Praveenkumar DG	KSCST	KSCST	2018-19	0.04
Dr. C.M. Kalleshappa	R&D cell, BIET	R&D cell, BIET	2018-19	0.06
Dept of CS & E				
BIET/CS&E/ Dr. Nirmala C. R.	NAIN	NAIN	2018	6 Lakhs
Dept. of IS & E				
Dr. Poornima B.	K-FIST L2	VGST	2019 02 Years	40 Lakhs
Dept.of Textiles	Skill Upgradation Centre (Sewing Machine Operator Training)	Dept. of Handloom & Textiles Governemnt of Karnataka.	45 Days/Batch (03 Batches)	6,17,500.00

9. Whether composition of IQAC as per latest NAAC guidelines: Yes/No: YES

***upload latest notification of formation of IQAC**

10. No. of IQAC meetings held during the year: TWO

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

Yes/No YES

(Please upload, minutes of meetings and action taken report)

11. Whether IQAC received funding from any of the funding agency to support its activities during the year? Yes No NO

If yes, mention the amount: Year:

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

* Regular academic audit/inspection of all the departments to enhance the quality of teaching-learning process

* Technical seminar and workshops organised under IQAC in many departments

* All Departments are preparing to apply for NBA accreditation

* Technical talks and expert lectures arranged in many departments for enhancing the quality of students and teachers.

13. Plan of action chalked out by the IQAC in the beginning of the Academic year towards

Quality Enhancement and the outcome achieved by the end of the Academic year

Plan of Action	Achievements/Outcomes
1. To conduct Internal IQAC Audit and Internal Academic Audit for all the departments and other Cells and Clubs for the effective functioning.	Systematic examination of a quality system was carried out for all departments by an internal quality auditor and an audit team.
2. A common and specific format may be designed to collect the feedback from different sectors of people associated with the institution.	Measures were taken to frame a common template to acquire the feedback of - Stakeholders feedback - Parents Feedback - Employers` Feedback (About the Alumni) - Recruiters` Feedback (on students interview performance)
3. To increase the students participation in various competitive examinations	Students were given counselling to improve their performance in competitive examinations like GATE, UPSC, TNPSC, State/Central Govt Banking Sector Exams, etc,.

14. Whether the AQAR was placed before statutory body? Yes /No: **YES**

Name of the Statutory body: 1. Governing Body 2. IQAC

Date of meeting(s):

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

Yes/No: No Date: ---

16. Whether institutional data submitted to AISHE: Yes/No: **YES**

Year: 2017-18 Date of Submission: 27-02-2018

2018-19 Date of Submission: 28 -01-2020

17. Does the Institution have Management Information System?

Yes

The institute has established a full-fledged ERP System with following modules:

- 1. Accredia OBE Features** (OBE Planning Module, OBE Special Courses, OBE for internal assessments-direct, University Exam attainment, In-direct Assessment Module, Attainment Reports and Analysis, Course, PO Outcome action items)
- 2. Accredia Plus Features** (Student Admission and Document Store, Admission Approval and Confirmation, Student Admission Photo, ID and USN, Fee Module and Integration, Academic Staff Profile and Assignment, Staff R&D Activities, Academic Planning and Calender, Academic Delivery and Progress Review, Feedback, Lesson/Content Storage and Retrieval, Student's 360 degree View, Student Proctoring and Counselling, Student and Parent Communication,

Class Committee Meeting, Semester End Finalisation, Library, Mobile Application, Seating Arrangements and Logistics)

3. **Data Migration & Security** (Historical Data Migration, Security Backup and Archival)

All the activities of the above modules will be regularly updated as and when the information is collected and regular reports are generated for analysis. Dean (academic) will conduct regular meetings of all the ERP coordinators, HODs and other concerned staffs for the analysis of data generated. After the meetings, if any discrepancies are found in the data generated, suitable remedial measures are taken to improve upon the students/teachers performance and other stake holders.

If yes, give a brief description and a list of modules currently operational.

Part-B

CRITERION I – CURRICULAR ASPECTS

1.1 Curriculum Planning and Implementation

1.1.1 Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

The institute prepares an annual academic calendar for the day-to-day academic process with respect to University academic schedule. The calendar specifies the dates of college reopening, monthly tests, holidays, examination schedules and Schedule of extra and co-curricular activities etc.

All the faculty members maintains an attendance register for every subject which contains register numbers, names, attendance details, period wise syllabus coverage, periodical test marks, attendance percentage and internal assessment marks.

Each faculty member maintains a course file which contains the prescribed syllabus of the course, detailed work plan, study material, experimental write-ups, previous year university question papers, assignments, quizzes, e-learning material, etc. The tests are conducted periodically and the evaluation of the internal assessment books done immediately after the test schedule and the performance of the students is notified on the notice board and the same is informed to their parents through emails/sms and phone calls.

The college has constituted an Internal Quality Assurance Cell (IQAC). It is headed by a coordinator and one member drawn from each department as member of IQAC. IQAC provides the development and application of quantity bench marking for various academic and administrative activities of the Institution. Regular meetings are conducted by this body for planning and execution of teaching-learning methodology. This body will obtain feedback from all the stakeholders and analyze and submit report to the Principal for appropriate action. The Principal based on the report will take remedial measures in organizing tutorial classes / extra classes / Quizzes / Supportive classes and any other as suggested by the above body. Through IQAC teaching-learning process is monitored and audited for the improvement quality education to students. It certainly helps to take up remedial measures to improve the teaching-learning methodology.

The Institute offers a conducive environment for improving students' participatory and interactive skills. Every department has its own Forum and through this forum number of activities such as seminars, quiz, workshops and technical competitions will be held from time to time through which the faculty and students interact and participate jointly in all these activities. The students undertake mini projects and main projects in all the departments to develop their self-learning and problem solving capabilities. In addition, students are encouraged to undergo implant trainings in industries, internships and

teaching practices.

State level and National level symposiums are fully organized by the students in all the departments. These programs will nourish the students in terms of their managerial and organizational skills apart from enriching their knowledge on latest topics. The institute also encourages the students to conduct a state level cultural fest called DAVANA to nourish the extra-curricular activities of the students.

Institution honours the concept of critical thinking, creativity and scientific temper among the students and encourages them accordingly. Students are encouraged to prepare and present papers in national and international conferences within the college and outside the institute. They are provided with financial assistance to present their papers. Apart from the paper presentations and publications, they carry out mini and main projects to explore their design and problem solving abilities within the college or either in industry or R&D labs. In addition, eminent personalities, industrial experts, entrepreneurs are invited to the college to share their success stories with the students.

Modern multimedia teaching aids such as LCD projectors, OHP, CD-ROM, internet enabled computer systems are available in most of the class rooms and other learning centers namely laboratory, library etc. E-learning resources such as NPTEL are also available for the use by the faculty. Students are encouraged to use computer software for meaningful analysis of their design and experimental data in the laboratories. Institute also has e-books, e-journals which are valuable to the students. Institute supports teachers for membership of professional societies. Most of the teachers are members of societies like IEI, ISTE, ASME. ICT enabled methods are extensively employed by the teachers in many departments.

The Institute has membership of DELNET consortium where the faculty and students can access over 750 scientific journals and 850 Engineering journals. High speed Internet connectivity in the campus enables the students and faculty to access e-resources, free journal, e-books.

1.1.2 Certificate/ Diploma Courses introduced during the Academic year

Name of the Certificate Course	Name of the Diploma Courses	Date of introduction and duration	focus on employability/ entrepreneurship	Skill development
--	--	--	--	--

1.2 Academic Flexibility

1.2.1 New programmes/courses introduced during the Academic year

Programme with Code	Date of Introduction	Course with Code	Date of Introduction
--	--	--	--

1.2.2 Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the Academic year.

Name of Programmes adopting CBCS	UG	PG	Date of implementation of CBCS / Elective Course System	UG	PG
1. B.E. (Civil Engg.)	UG	--	August 2015		
2. B.E. (Mech.Engg.)	UG	--	August 2015		

3. B.E. (CS&E)	UG	--	August 2015		
4. B.E. (E&E)	UG	--	August 2015		
5. B.E. (E&C)	UG	--	August 2015		
6. B.E. (E&IE)	UG	--	August 2015		
7. B.E. (Chemical)	UG	--	August 2015		
8. B.E. (IS&E)	UG	--	August 2015		
9. B.Tech. (Textile Tech.)	UG	--	August 2015		
10. M.Tech (CS&E)	--	PG	August 2015		
11. M.Tech (Structural Engg.)	--	PG	August 2015		
12. M.Tech (Machine Design)	--	PG	August 2015		
13. M.Tech (Environmental Engg.)	--	PG	August 2015		
14. M.Tech. (Textile Tech.)	--	PG	August 2015		
15. M.Tech (Thermal Power Engg.)	--	PG			
16. MCA	--	PG			
17. MBA	--	PG			
Already adopted (mention the year)			2015		
1.2.3 Students enrolled in Certificate/ Diploma Courses introduced during the year					
No of Students	Certificate		Diploma Courses		
1.3 Curriculum Enrichment					
1.3.1 Value-added courses imparting transferable and life skills offered during the year					
Value added courses	Date of introduction		Number of students enrolled		
MBA					
M S Excel	26-02-2019		85		
Resume writing	05-03-2019		84		
Aptitude training	13 th – 17 th March,2019		75		
PGCET / KMAT training	26 th June – 2 nd July,19		30		
Take Charge Workshop	29-08-2019		65		
M S Excel	11 th -12 th Sept,2019		93		
M S Excel	11-10-2019		95		
Comuunication lab	10 – 10 -2019		115		
MS Word & Ppt	11-12-2019		115		
E&C					
Object oriented programming using C++	6 th to 11 th Nov 2019		15		
CS & E					
Machine Learning to Deep Learning From BCIC	23- Feb - 2019		250		
Digital Marketing	14-Sept-2019		200		
Tech-Hack	19-21-sept 2019		300		
UI Path-RPA Academic Challenger	29th Oct-2019		500		
InfyTQ Certification	30th Sept 2019		150		
Data Analytics from Kirloskar Institute	Oct-2019		150		
IBM Developer Conference	Nov 2019		100		
VmWare IT Academy Day	Nov 2019		400		
1.3.2 Field Projects / Internships under taken during the year					
Project/Programme Title			No. of students enrolled for Field Projects / Internships		

Internship Training Program	
Mechanical	117
Biotechnology	31
E&C	
Machine Learning and Artificial Intelligence tools and Technologies	4
LABVIEW by VI Solutions	61
METI M2M India Pvt. Limited, Mysore	2
BSNL -RTTC, Mysore	1
Schneider Electric, Bangalore	4
PathPartner Technologies Pvt. Ltd, Bengaluru	2
Ideal Educraft Technologies, Bengaluru	25
HAL, Aircraft Research & Design Centre, Marathalli, Bengaluru	3
HAL, Airport services Centre(BC), Vimanapura, Bengaluru	4
Whizchip Technologies, Bengaluru	6
Technologies Global Pvt. Limited, Bengaluru	6
Chemical	
Inplant Training/Internships	30
MCA	17
MBA (Organization Study)	119
Civil	152
I&E	26
CS & E	
Inurture/Krackin	120
IISc	03
Innovian Technologies	06
SOC Corporation	01
Electrical	
Study of 400/220 kv receiving station, guttur	3
Study of 400/220 kv receiving station, guttur.	4
Study on manufacturing transformer, insulator, cable and pole.	4
Organisational study/ internship at bhel-epd, bangalore study on programme manufacture of electroplating	3
Organisational study/ internship at bhel-epd, bangalore	3
Study on plc panel instruments and scada.	3
Study of 220kv receiving station srs, davangere.	4
Study of 220kv receiving station srs, davangere.	4
Study on plc panel instruments and scada.	2
Study on aircraft at hal bangalore.	3
Study on pcb manufacturing at schneider electric bangalore.	3
Integrated power development scheme.	3
Integrated power development scheme.	3
IS&E	
Design and Development of Assortment Planner Algorithm for remark Platform	44
Blood Bank Management System	1
Android Application for Online Slots Booking	1
Weather Application using Django	24
Web Scrapping	2
Application of Python in Data Science	11
Facebook Management System with RPA	7
Data Analytics using Python Programming	2
E-Mail Management System using Selenium Tool	3

1.4.1 Whether structured feedback received from all the stakeholders.				
1) Students	2) Teachers	3) Employers	4) Alumni	5) Parents
Yes	Yes	Yes	Yes	Yes
1.4.2 How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)				
<p>The college has constituted an Internal Quality Assurance Cell (IQAC). It is headed by a coordinator and one member drawn from each department as member of IQAC. IQAC provides the development and application of quantity bench marking for various academic and administrative activities of the Institution. Regular meetings are conducted by this body for planning and execution of teaching-learning methodology. This body will obtain feedback from all the stakeholders and analyze and submit report to the Principal for appropriate action. The Principal based on the report will take remedial measures in organizing tutorial classes / extra classes / Quizzes / Supportive classes and any other as suggested by the above body. Through IQAC teaching-learning process is monitored and audited for the improvement quality education to students. It certainly helps to take up remedial measures to improve the teaching-learning methodology.</p>				

CRITERION II -TEACHING-LEARNING AND EVALUATION			
2.1 Student Enrolment and Profile			
2.1. 1 Demand Ratio during the year			
Name of the Programme	Number of seats available	Number of applications received	Students Enrolled
1. Civil Engg.	120	--	99
2. Mechanical Engg.	120	--	86
3. Electrical Engg.	60	--	47
4. E&C Engg.	120	--	113
5. Comp.Sc.& Engg.	120	--	120
6. Textile Tech.	40	--	37
7. E&EI Engg.	30	--	15
8. Chemical Engg.	30	--	26
9. IS&E Engg.	120	--	108
10. Biotechnology	30	--	20

2.2 Catering to Student Diversity						
2.2.1. Student - Full time teacher ratio (current year data)						
Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of full time teachers available in the institution teaching only UG courses	Number of full time teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses	
2019-20	3086	126	201	15	216	
2.3 Teaching - Learning Process						
2.3.1 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)						
Number of teachers on roll	Number of teachers using ICT (LMS, e-	ICT tools and resources available	Number of ICT enabled classrooms	Number of smart classrooms	E-resources and techniques used	

	<i>Resources</i>				
Mechanical					
06	06	Camera, Computer & LCD Projector	04	04	NPTEL & VTU E-Learning, Edusat
MBA					
14	14	Projector, Computer, WIFI, Internet, Speakers	10	Nil	Projector, Computer, WIFI, Internet, Speakers
Biotechnology					
7	7	AV-Facility	2 Class room 1 Seminar Hall	-	NPTEL Resources like videos, PPTs Slideshare, Ted Talks,
Physics					
02			01	01	NPTEL EduSat
CS&E					
30	20	LCS, Videos, PPTs	6	1	NPTEL/Swayam/MOOCs from IBM,VMVare, UIPath
EC					
23	7	YES	1	NIL	YES
Chemistry					
01	01	YES	01	01	PPT, NPTEL
Textiles					
06	06	LCD Enabled	03	NIL	E, books,E, Library NPTELVideos and NPTEL books
Chemical					
06	04	Smart Board LCD Projector OHP	01	01	PPT presentations, OHP presentation
IS&E					
18	10	.Desktop & Laptops, Projector, E-Books, NPTEL	02	--	Resources Consortium: Elsevier :E-Journals http://www.sciencedirect.com Elsevier :E-Books http://www.sciencedirect.com Taylor & Francis (E-Books) http://www.taylorfrancis.com/ Taylor & Francis (E-Journals) https://www.tandfonline.com Springer (E-Journals) https://link.springer.com Institution of Civil Engineers (ICE) https://www.icevirtuallibrary.com/ KNimbus Digital Library https://bieatd.new.knimbus.com/user#/home Emerald https://www.emeraldinsight.com/ McGraw Hill Education

					http://mcgrawhilleducation.pdn.ipublishcentral.com/ Sententia- An Assistive Tool for formal Writing (NetAnalytik) https://sententia.online/signin New Age International https://digital.elib4u.com/ Packt https://prod.packtpub.com/in/ Turnitin https://www.turnitin.com/
Electrical					
17	2	Computer system with projector and 100Mbps Internet facility	1	1	NPTEL Videos and PPTs
Mathematics					
10	6	Yes	06	Nil	Edusat, NPTEL
E&I					
6	6	LCD Projector	1	-	Power Point Presentations
Civil					
29	10	LCD Projector		1	NPTEL Videos and PPTs

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

Institute has a systematic student counselling procedure. For every 15 students a teacher is appointed as a mentor/counsellor to counsel the students and record their improvements from time to time. During counselling, the students are encouraged to discuss their problems related to academics, personal etc. The weak students are advised suitably to improve their performance in tests and examinations. The counselling report will be monitored by the HOD and the report of poor students will be informed to their respective parents through emails, sms, phone calls. The counsellor also identifies the weak students and accordingly remedial / tutorial classes are arranged.

The counselling rendered by the counsellor is recorded and monitored by the head of the department. Such counselling has yielded fruitful results to students in terms of improvement of pass percentage and employability of students. The students get academic and personal guidance from the concerned teachers apart from the counsellor. There is a full time training and Placement Dean supported placement officers/coordinators who train the students in terms of soft skills and arranges training programs by experts on industrial/ technical skills.

To monitor the students' progress, institute has the continuous internal evaluation system which consists of Internal Assessment Tests conducted in each course. Three such tests are conducted in a semester to assess the performance of students. Improvement Tests are also conducted if necessary based on the performance of students. Continuous Assessment Report (marks obtained in every test) is displayed on notice board of the respective department after every test. Institute communicates the grades, marks obtained in the internal tests to the parents and students regularly. It organizes regular parents and guardians meet to have a communication with students and parents. In a semester three progress reports are sent to the parents, after the first IA tests, after the second IA tests and at the end of the semester

respectively. The report card contains IA marks & Attendance in various subjects along with class teacher's remarks. The third report card has the final IA marks & attendance with Principal's remarks on eligibility to appear for the forthcoming examinations. The university also conducts the written/theory/practical examination at the end of semester. The result of same are communicated to the student and parents. The academic committee analyses the university examination results for each Program.

All the rules and regulations governing undergraduate/post graduate courses are mentioned in the corresponding 'Scheme and Syllabus' book supplied by VTU. The booklet contains information on attendance requirement, internal assessment marks, eligibility for passing, maximum duration for course completion, promotion and eligibility to appear for examinations, electives, seminar & project, award of class at semester level, award of class at degree level, award of medals & ranks and transfer from on college to another college.

The Academic Committee headed by the Dean (Academic) in consultation with Principal prepares the academic calendar at the beginning of every semester. This calendar contains the date of commencement of classes, test schedules, date of semester closing, practical/theory exam commencement dates etc.

The evaluation of internal assessment test is done as follows: Three internal assessment tests are conducted in a semester and the average of two best test marks are calculated and displayed on the notice board. Students are asked to go through their test books and if any discrepancies are found, they can meet the respective teachers for clarification. After every test, the students' progress report containing the consolidated attendance and marks is dispatched to their parents on the scheduled date.

In this way the entire process of monitoring and evaluation is made transparent to students, teachers and the parents.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor: Mentee Ratio
UG: 3125 PG: 145 (Total: 3270)	216	1 : 15

2.4 Teacher Profile and Quality

2.4.1 Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D.
As per AICTE norms	16	--	16	56

2.4.2 Honours and recognitions received by teachers

(received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies

Biotechnology			
2019	Dr. Rangaswamy	Prof & Head	Fellow of Indian Aerobiological Society Award, India
2019	Dr. Rangaswamy	Prof & Head	Elected to Indian Society for Technical Education, New Delhi as Executive Council Member for the term 2020-24
2019	Dr. Rangaswamy Dr. Manjunath N.S	Prof. & Head Assoc. PProf	Best Project of the Year 2019 by KSCST, Bangalore
2019	Vinayakumar J	Asst. Prof	Prof. Askel Love Prize by Society of Cytology and Geneticists, India
E.C			
2019	National Level – Dr.Nirmala S.O	Associate Professor	Best Project award
Mathematics			
2019	Dr. K S Basavarajappa	Professor and Head	Reviewer- Journal of Institute of Scholars (InSc)

2.5 Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year- end examination	Date of declaration of results of semester-end/ year- end examination
Biomedical Engg.	BM	7 th Semester	Nov-Dec 2018	February 2019
Biotechnology	BT			
Chemical Engg.	CH			
Computer Sc.Engg	CSE	8 th Semester	June-July 2019	August 2019
Civil Engg.	CV			
Ele.& Comm.Engg.	EC			
Ele.& Electroc.Engg	EE			
Ele.& Instru.Engg	EI			
Info.Sc.Engg.	ISE			
Mech.Engg.	ME			
Textile Technology	TX			

2.5.2 Reforms initiated on Continuous Internal Evaluation (CIE) system at the institutional level (250 words)

Faculty members in the institute follow the formative and summative approaches to evaluate students' performance and achievements through assignments, presentations, group discussions, quizzes, problem solving, class interaction,

workshops, seminars, project viva voce, written and practical examination, attendance in the class room, extracurricular and co curricular activities. These practices have improved the performance levels of the students to the maximum extent.

As far as examination preparation is concerned, the faculty takes extra care in solving the previous years question papers, model question papers so as to prepare the students for main examinations. The continuous evaluation systems through periodical internal assessment tests have helped the students to excel better in the university examinations.

There are remedial/add-on/bridge/enrichment courses designed for higher semester students also. The teacher-in-charge/class teacher can recommend a suitable course for each student in case it is necessary. The continuous evaluation process goes on till the final semester

The institution is affiliated to VTU and hence governed by its rules. As per norms, three internal assessment tests are conducted in a semester, the third being an improvement test. Questions for the IA tests are generally chosen from old VTU question papers. Evaluation is strictly as per the scheme prepared by the teacher who has set the question paper. Internal test question paper is set for 25 marks and the time allotted is 1 hour. VTU examination pattern is followed in conducting IA tests. The evaluated blue books are shown to students for clarifications. Also the IA marks are displayed on notice board.

The behaviour of the student is also monitored with his experimental skills in the laboratory and his zeal to perform additional experiments and translate innovative ideas to design a new experiment. Regularity of the student to the institution is monitored by recording his attendance in every class by the teacher.

Apart from the academics the students interests with regard to co-curricular and extra-curricular activities are identified and the institute encourages the students to participate in these activities. Students are also encouraged to participate in technical symposia, paper presentation and visits to industries etc. to get latest information in their domain-subject.

Students are also provided an opportunity think, learn and act independently in domain-subjects. Any new idea from the student is always encouraged, recognized and rewarded suitably.

Classes on communication skills, technical skills, presentation ideas, leadership abilities are the regular programs conducted by the institute every year to nurture the significant growth and overall development of students both in academics, extra and co-curricular and behavioural activities.

2.5.3 Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

After the admission process is completed, the Government of Karnataka gives a cut-off date and the Affiliating University provides an academic calendar which contains details about date of commencement of classes, monthly test schedules, dates of semester closure, exam dates etc.

The institute prepares an annual academic calendar for the day-to-day academic process with respect to University academic schedule. The calendar specifies the dates of college reopening, monthly tests, holidays, examination schedules and Schedule of extra and co-curricular activities etc.

The university conducts the written/theory/practical examination at the end of semester. The result of same are communicated to the student and parents. The academic committee analyses the university examination results for each Program.

All VTU examination question papers are delivered through a highly secure data transfer system. Separate security codes are supplied to Chief Superintendent, external deputy chief superintendent and system operator by the University for downloading the question paper. The question paper can be downloaded only 30 minutes before the commencement of examination. Further, necessary copies of the same are made and packed. As per VTU guidelines, the entire process strictly takes place in a strong room exclusively meant for the purpose. Entry to the strong room is restricted to examination staff only.

Digital evaluation of answer scripts:

On completion of an examination, the answer scripts are immediately sent to the main VTU evaluation centre. These answer books are scanned to digital form and communicated to various branches to be evaluated by teachers. As the entire process is automated, the effort of the evaluator is reduced to a great extent. This system also avoids the difficulty in transporting the answer scripts to various evaluation branches and back.

Publication of results in website/communication through SMS:

Students can get the result from website or by sending SMS to the university. The major reforms introduced by the institution are the following. The institution has a separate exam section with 10 systems of latest configuration having high speed internet access. Teachers use this section for on-line entry of IA marks and on-line uploading of examination application forms to VTU. Also this section is utilized for entry of IA marks and attendance immediately after internal assessment tests and subsequent preparation of report cards to be dispatched to parents. As the above mentioned activities are happening only during specified periods, rest of the time the section is utilized for conducting on-line quiz, on-line test etc. for candidates eligible for placement. The activity is looked after by Training & Placement Cell.

2.6 Student Performance and Learning Outcomes

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

2.6.2 Pass percentage of students

Programme Code	Programme name	Number of students appeared in the final year examination	Number of students passed in final semester/year examination	Pass Percentage
BT	Biotechnology	32	32	100
CH	Chemical Engg.	20	18	90
CSE	Computer Sc.Engg	127	127	100
CV	Civil Engg.	126	110	87
EC	Ele.&Comm.Engg.	124	118	96
EE	Ele.&Electroc.Engg	43	42	98
EI	Ele.&Instru.Engg	13	13	100
ISE	Info.Sc.Engg.	95	94	99
ME	Mech.Engg.	104	101	97
TX	Textile Technology	29	29	100

2.7 Student Satisfaction Survey

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

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding Agency	Total grant sanctioned	Amount received during the Academic year
Bio technology				
Major projects	2015-18	VGST-CISEE	Rs. 30 Lakhs	10 Lakhs
	2018-19	VGST-K FIST	Rs. 20Lakhs	10 Lakhs
Minor Projects	Feb- July 2019.	KSCST, Bengaluru	Rs.10,000-00	Rs.10,000-00
	Feb- July 2019.	KSCST, Bengaluru	Rs.8,000-00	Rs.8,000-00
	Feb- July 2019.	INSTITUTE (BIET)	Rs.6,000-00	Rs.6,000-00
	Feb- July 2019.	INSTITUTE (BIET)	Rs.6,000-00	Rs.6,000-00
	Jan -June 2019	VTU, Belgaum	Rs 10,000-00	Rs 10,000-00
CS&E				
Minor Projects	1 year	NAIN	6 Lakhs	Rs 6 Lakhs
E&I				
Minor Projects	6 months	KSCST, Karnataka	6000/-	6000/- 2018-19
Minor Projects	6 months	BIET, Davangere	5000/-	5000/- 2018-19
EC				
Major projects	1 Year	NAIN centre	1.72Lakhs	
Chemical				
Major projects	1 year	NAIN	4.85 Lakhs	-
Minor Projects	6 months	KSCST	4000=00	4000=00
	6 months	R&D cell, BIET	6000=00	6000=00
IS&E				
Major projects	2 Years	KSTePS	40 Lakhs	2019
Minor Projects	1 Year	KSCST	5000	2018-19
Students Research Projects				
Mechanical				
	6 months	KSCST	12000-00	12000-00
	6 months	KSCST	9000-00	9000-00

	6 months	KSCST	6000-00	6000-00
	6 months	KSCST	9000-00	9000-00
	6 months	KSCST	9000-00	9000-00
CS&E				
Smart India Hackathon	6 Months	Govt of India	Travelling grants	20,000.00
TEKHACK, IBM initiative	6 months	IBM and SmartBridge	NIL	10,000.00
EC				
Projects sponsored by the University/ College	1 year	KSCST	Rs.20,500/-	Rs.20,500/-
	1 year	VTU,BELAGAUM	Rs.10,000/-	Rs.10,000/-
	1 year	FOSS-VTU	Rs.5,000/-	Rs.5,000/-
	1 year	BIET,DVG	Rs.6,000/-	Rs.6,000/-

3.2 Innovation Ecosystem

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

Title of Workshop/Seminar	Name of the Dept.	Date(s)
Bioentrepreneurship Summit -2019 (Industry experts interacted with participants on IPR during Panel Discussion)	Biotechnology	08-03-2019
Mobile making	E&CE	19 th & 20 th Mar 2019
DSP Applications using MATLAB & DSP Processor	E&CE	21 st to 25 th Oct 2019
Texcreative -19 National Level Student Technical Symposium	Textile Technology	29-30 th March -2019
Exhibition on Fashion Accseries	Textile Technology	29-30 th March -2019
Chemexcel-2019	Chemical Engineering	23-03-2019
Chemexcel-2K19	Chemical Engineering	25-10-2019
Seminar on "Role of IoT in Smart Citites"	MCA	12 th March 2019
Workshop on "Introduction to IoT and its Prototypes"	MCA	25 th , 26 th and 27 th September 2019.
Basics of oil and gas industry –upstream	EEE	10/08/2019
Career in cyber security	EEE	14/10/2019

3.2.2 Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of the Awardee	Awarding Agency	Date of Award	Category
Best Project of the year awarded for the Project entitled "Development	Guides : Dr. Manjunath N.S. Dr.B.E.Rangaswamy Students : Ms. T.Simran, Ms. Sireesha.S.S	KSCST Bengaluru	27 July 2019	State level 42 nd series 2018-19 seminar and exhibition Student project programme SPP

of eco-friendly, cost effective and biodegradable Sanitary napkins”	Mr. Vinaya.H.P Mr.Shivalingayya.R.M			held at KLE Dr.M.S.Sheshgiri College of Engineering and Technology, Belagavi
A Novel approach on Ceiling Fan based System to Avoid Suicide by Hanging	Basavraj P Hiremath Raghavendra Narsapur	GSSSIETW Mysore		Best Paper National Conference on Robotics Automation Control and Embedded System (NARACES-2019)

3.2.3 No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Centre	Name	Sponsored by
New age Incubation Network	ICT Skill Development	ICT Skill Development Society, Dept. of IT, BT and S&T, Government of Karnataka
ISE Dept., BIET	NAIN	
01	New Age Incubation Center(NAIN)	KBITS Govt. of Karnataka
Bezzie Innovation Lab	Bezzie Pvt., Ltd	Bezzie/BIET
Name of the Start-up	Nature of Start-up	Date of commencement
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3.3 Research Publications and Awards

3.3.1 Incentive to the teachers who receive recognition/awards

State	National	International
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3.3.2 Ph. Ds awarded during the year (applicable for PG College, Research Center)

Biotechnology	2
Chemistry	1
Electrical & Electronics	1
Textile Technology	5
Chemical Engineering department	1
CSE	4
MATHEMATICS	4
Mechanical	2
Physics	1
E&C	2
MCA	2

3.3.3 Research Publications in the Journals notified on UGC website during the year

	Department	No. of Publication	Average Impact Factor, if any
National	Physics	04	01
	Mathematics	02	
International	Mechanical Engineering	04	
	MBA	7	5.92
	Physics	02	3 to 4
	Biotechnology	1	Scientific Journal of Impact factor – Indexing (2018) - 7.08 h-index - 29
	CSE	9	6.931
	E&IE	02	
	Chemistry	03	1.2
	Textile Technology	05	
	Information Science and Engineering	01	5.54

3.3.4 Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	No. of publication
MBA	12
Computer Science and Engineering	3
Textile Technology	01 Edited
IS&E	3
EEE	1

3.3.5 Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or Pub Med/ Indian Citation Index

Title of the paper	Name of the author	Title of the journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citations
Burr minimization in drilling of Al 6061/SiCp Metal matrix composite	Dr A G Shankaramurthy	Material Science and Engineering	2019 (Publishing is in Progress)		Scientific-net	

Comprative study of standard Engine & Modified Engine with different piston bowl geometries with B20 fuel blend	Dr. G Manavendra	Renewable energy	2019	yes	Science direct.com	
Influence of Exhaust Gas Recirculation on Dairy Scum Biodiesel Operated Diesel Engine Performance	Dr. G Manavendra	European Journal of Sustainable Development Research,	2019	yes	Modestum	
Experimental Investigations on Vibration Properties of Aluminium Matrix Composites Reinforced with Iron Oxide Particles	Dr. Sharan A S	Applied Mechanics and Materials	2019	yes	Trans Tech Publications Ltd	
Synthesis, Characterization, and Antimicrobial Activity of Some Transition metal complexes with Schiff Base	S.Shanmukhappa Anilkumar M R Revanasiddappa B.E.Rangaswamy	Journal of Applicable Chemistry	2018	NA	Research Center	07
Study on muscle relaxing potential of ethanolic extract of bark of Bauhinia Purpurea (L)p	B.E.Basavarajappa Shamala T	IOSR Journal of Pharmacy and Biological Sciences	2018	NA	Research Center	04
Computational Modeling for knowledge binding of the unstructured web data	Chandan V	ICDECS	2019	-	RNSIT	-

Cervical Cancer Cell Identification and Detection Using Fuzzy C Mean and K Nearest Neighbor Techniques	Bhuvaneshwari K V, Poornima B	IJITEE	2019	-	Blue Eyes Intelligence Engineering & Sciences Publication	-
Application of Neural Networks for Sentence Similarity	Anitha G, Dr. Sunil Kumar G Prashanth K Dr. ParashuramBarki	JCT	2019	-	VVIT	-
A Novel Approach on Ceiling Fan Based System to Avoid Suicide by Hanging	Dr.Jayadevappa B M, Manjunath K G,	International Journal of Engineering Research and Technology (IJERT), Vol 7, Issue 10, May 2019	2019		BIET	
Image Retrieval using Image Segmentation Techniques	Vanitha R,	International Journal of Research in Electronics and Computer Science Engineering(IJRECE),Vol 7, Issue 2, June	2019		BIET	
Firefly algorithm inspired energy aware clustering protocol for wireless sensor network	Dr. Nirmala C R Dr. Anoop Kumar Bongale	International Journal of Communication Networks and Distributed Systems	2019			
Hybrid Cluster Head Election for WSN Based	Dr. Nirmala C R	Wireless Personal Communi	2019			

on Firefly and Harmony Search Algorithms	Dr. Anoop Kumar Bongale	cations				
Hybrid location-centric e-Commerce recommendation model using dynamic behavioral traits of customer	Dr. Nirmala C R Shreenivasa B. R.	Iran Journal of Computer Science	2019			
Intelligent Bot Architecture for e-Advertisements	Dr. Nirmala C R Dr. Roopa G M.	Integrated Intelligent Computing , Communication and Security	2019			
Intelligent Mobile Agent Framework for Searching Popular e-Advertisements	Dr. Nirmala C R Dr. Roopa G M.	Progress in Advanced Computing and Intelligent Engineering	2019			
Land Use and Land Cover Mapping of Davangere using Google Earth Engine	Geetha M	International Journal of Recent Technology and Engineering (IJRTE)	Sept 2019	5.92	BIET	
A STUDY ON CONSUMER BEHAVIOR TOWARDS ONLINE AND OFFLINE SHOPPING	Prof. Muhammed Muntaqhem	Iconic Research and Engineering Journals	2019	10.5373	VTU	7.5373

3.3.6 h-index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the paper	Name of the author	Title of the journal	Year of publication	h-index	Number of citations excluding self citations	Institutional affiliation as mentioned in the publication
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Synthesis, Characterization, and Antimicrobial Activity of Some Transition metal complexes with Schiff Base Ligand	S.Shanmukhappa Anilkumar M R Revanasiddappa B.E.Rangaswamy	Journal of Applicable Chemistry	1	08	Research Center	BIET Davangere
Application of Neural Networks for Sentence Similarity	Anitha G	A Journal of Composition Theory	Sep - 2019	Impact Factor-5.7	-	BIET, Davangere
Cervical Cancer Cell Identification and Detection Using Fuzzy C Means and K Nearest Neighbor Techniques	Bhuvaneshwari K V	International Journal of Innovative and Exploring(IJITEE)	Aug - 2019	B Impact Factor-5.54	-	BIET, Davangere
A Survey on Graph Database Management Techniques for Huge Unstructured Data	Patil N S	International Journal of Electrical and Computer Engineering	April- 2018	H-Index :11	-	BIET, Davangere
Page Rank Analysis-Analysis for Indian Languages	Anitha G	International Conference on Recent Innovations in Science, Engineering and Technology	May - 2018	-	-	BIET, Davangere
Page Rank Analysis-Analysis for Indian Languages	Anitha G	International Journal of Pure and Applied Mathematics	Aug -2018	H-Index :28 G-Index :48	Cites/paper:7.19	BIET, Davangere

Land Use and Land Cover Mapping of Davangere using Google Earth Engine	Geetha M	International Journal of Recent Technology and Engineering (IJRTE)	Sept 2019	5.92		BIET, Davangere
A STUDY ON CONSUMER BEHAVIOR TOWARDS ONLINE AND OFFLINE SHOPPING	Prof. Muhammed Muntaqheem	Iconic Research and Engineering Journals	2019	0	7.5373	VTU
Enhanced the thermal Properties of camphorsulfonic acid surfactant based PANI nanocomposite	Niranjan M Yesappa L Ashokkumar S P Devendrappa H Vrushabendrappa Y Ranagaswamy B E Basavarajappa K S Geetha V K	AIP Proceeding	2019	3	39	BIET
Enhanced optical and thermal properties of polyaniline/Copper oxide Nanocomposite in the presence of camphorusfonic acid surfactant	Niranjan M Yesappa L Ashokkumar S P Devendrappa H Manjunatha D Sathish S Vandana M Ashokkumar S P	AIP Proceeding	2019	3	39	BIET
Electron beam Irridiation effect on polymer blend electrolyte films: Thermal and conductivity studies	Yesappa L Ashokkumar SP, Vijeth H, Vandana M, Basappa M, Niranjana M, Devendrappa H	AIP Proceeding	2019	3	39	BIET
Structure morphology and optical properties of CuO nano particles	Yesappa L Ashokkumar SP, Vijeth H, Veeresh S, Nagaraju Y, Ganesh H, Basappa M,	AIP Proceeding	2019	3	39	BIET

immersed PANI/Li composite	Niranjana M, Devendrappa H					
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3.3.7 Faculty participation in Seminars/Conferences and Symposia during the year :

No. of Faculty	International level	National level	State level	Local level
Attended Seminars/ Workshops	8	22	29	46
Presented papers	10	16	--	2
Resource Persons	--	5	--	15

3.4 Extension Activities

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

Title of the Activities	Organising unit/ agency/ collaborating agency	Number of teachers co-ordinated such activities	Number of students participated in such activities
CS&E			
Industry-Institute interaction /extension activities	Workshop on Business Intelligence and Big Data Analytics	5	150
Inter- Institute interactional activities	Workshop on Machine Learning to Deep Learning – An AI Approach	10	150
Technology Barrier Reduction Program (TBRP)	Foundation for Advancement of Education & Research (FAER) funded by ZEBRA Technologies, Bengaluru	1+4	30+15
NCC Camp	03 KAR ENGR COY N.C.C. BIET	1	05
NSS Camp		1	13
Blood donation camp in association with YRC	YRC	1	10
Invited talk on Applications of Software tools and technologies in digital dentistry	College of Dental Science Davangere	03	200
E&I			
Industry-Institute interaction /extension activities	Workshop on Business Intelligence and Big Data Analytics	5	150
Inter- Institute interactional activities	Workshop on Machine Learning to Deep Learning – An AI Approach	10	150

Technology Barrier Reduction Program (TBRP)	Foundation for Advancement of Education & Research (FAER) funded by ZEBRA Technologies, Bengaluru	1+4	30+15
NCC Camp	03 KAR ENGR COY N.C.C. BIET	1	05
NSS Camp		1	13
Blood donation camp in association with YRC	YRC	1	10
Invited talk on Applications of Software tools and technologies in digital dentistry	College of Dental Science Davangere	03	200
E&C			
NB cup – Interdepartmental Cricket Tournament	E&CE		16 teams
Interdepartmental Throw Ball Competition	E&CE		8 teams
Cognition-a State Level Mini-Project Exhibition	E&CE		14 teams
Papyrus-A State Level Technical Paper Presentation	E&CE		36 teams
IS &E			
Industry-Institute interaction /extension activities	Infosys	2	60
Inter- Institute interactional activities	PESIT GMIT MSRIT GSSS NITK	2 - - - -	24 03 03 12 16
Inter- Institute interaction activities	BIET	18	60
NCC Camp	35 Karnataka Battalion NCC, Raichur		
NCC Camp	03 KAR ENGR COY N.C.C. BIET		
Blood donation camp in association with YRC	YRC	2	24
The Largest Learnathon of India- 2018	CS&E, BIET	2	28
Pro-Kabaddi	IS&E	2	30
QUIZEST	IS&E	2	40
One week Lecture Series Program	IS&E, BIET NTTTR, Kolkata	56	-
Mechanical			
Technology Barrier Reduction Program (TBRP)	Foundation for Advancement of Education and Research (FAER) Founded by ZEBRA Techonologies, Banglore	01	30

NCC Camp	03 KAR ENGR COY N.C.C. BIET	01	05
NSS Camp	NSS BIET UNIT	01	13
Blood Donation	NSS/Youth Red Cross	01	10
MBA			
Swachh Bharath Abhiyan	Bapuji B – Schools, Davangere	1	60
Sports Day	Bapuji B – Schools, Davangere	1	70
Shramadhana – Adopted School – Higher Primary School – Lingadal Village, Ramdurg (T), Belgaum (D)	Organised by Bapuji B – Schools, Davangere Collaborating with Public education department Belguam, School SBMC, locality People of Lingdal	8	70
Physics			
SIP-2019	10-5-2019	32	600
National Science Day-2019	10-08-2019	32	600
ISKON-2019	15-10-2019	32	600
Worlds Students Day	14-11-2019	06	36
Technology Barrier Reduction Program (TBRP)	Foundation for Advancement of Education & Research (FAER) funded by ZEBRA Technologies, Bengaluru	20	31
Student day Science Exhibition	Department of Physics in collaboration with NSS	06	36
Blood donation camp in association with YRC	YRC		
Village Camp	Department of Physics in collaboration with NSS	06	51
Chemical			
Industry-Institute interaction /extension activities (Industrial Visit)	AT& S India Pvt Ltd Nanjanagud	05	42

	M/s Davangere Sugar Ltd. Kukkawada	04	60
Special Village Camp	NSS	-	02
Technology Barrier Reduction Program (TBRP)	Foundation for Advancement of Education & Research (FAER) funded by ZEBRA Technologies, Bengaluru	01	31
Special Village Camp	NSS	-	10
Electrical			
Technology Barrier Reduction Program (TBRP)	As a Training Institute	Foundation for Advancement of Education & Research (FAER) funded by ZEBRA Technologies, Bengaluru	32-40
SIH -2018	10 th Consolation Prize	MHRD Government of India	06
Smart India Hackathon-2018	Participation	MHRD	06
State level Student Project Exhibition	First Prize	Karnataka State Council for Science and Technology , Govt. of Karnataka	03
State level Student Project Exhibition	Third Prize	Karnataka State Council for Science and Technology , Govt. of Karnataka	02
State-Level Hackathon - 2018	1 st Prize	NAIN Centre, JNNCE Shivamogga (Supported by Govt. of Karnataka)	24
Model exhibition	First and Third place	KSTA & KRVP	30

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

Name of the Activity	Award/recognition	Awarding bodies	No. of Students benefited
Technology Barrier Reduction Program (TBRP)	As a Training Institute	Foundation for Advancement of Education & Research (FAER) funded by ZEBRA Technologies, Bengaluru	32-40
National Level Project Competition IEEE Project EXPO-2019	Participation	GSSSIETW, Mysore in association with IEEE Bangalore Section	02
State Level Technical Project Exhibition -2019	Participation	Proudadevaraya Institute of Technology, Hospet	02
South Zone Student Research Convention	Participation	Vignan's Foundation for Science, Technology and Research, Vadlamudi, Guntur	02
Papyrus- A State Level Technical Paper Presentation	Second Prize	Department of E&CE, BIET	02
Impulse-2019 - A State Level Technical Paper Presentation	Second Prize	Department of E&E, BIET	02
National Conference on Robotics Automation Control and Embedded System (NARACES-19)	Best Paper	Department of E&IE, GSSSIETW College Mysore	02
Telecomsat-2019" for 2nd National Level Project Contest	Participation	BMS College of Engineering, Bangalore.	02

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

Name of the scheme	Organising unit/ agency/ collaborating agency	Name of the activity	Number of teachers coordinated such activities	Number of students participated in such activities
Mechanical				
Swachh	Govt. of India and	Health Awareness,	01	10

Bharath Summer Internship programme (SBSI) - 2018	MHRD, New Delhi	Rallies, Wall Painting, Door to Door Swachhatha Programme		
Rashtriya Sadbhavana Diwas,	YRCW, Department of Sports - BIET,	Oath Taking Programme	01	10
Blood Donation Camp	Youth Red Cross Wing and S. S. Medical Institute of Research Centre, Davangere	Blood Donation Camp		
MBA				
Swachh Bharath Abhiyan	Bapuji B – Schools, Davangere	Gandhi Jayanthi – Swachhatha Programme	1	60
Sports Day	Bapuji B – Schools, Davangere	Sports Meet	1	70
Shramadha – Adopted School – Higher Primary School – Lingadal Village, Ramdurg (T), Belgaum (D)	Organised by Bapuji B – Schools, Davangere Collaborating with Public education department Belgaum, School SBMC, locality People of Lingdal	Complete reuniting Flood affected village of Gokak, Donated materials to school children. The funds are generated from alumini through mobile wallet.	8	70
EC				
Assitive Health Technology & Role of Engineers	CRC, Davangere	Skill development, Rehabilitation and empowerment of person with disabilities	2	70
Heartfulness Mediation Program	College of Dental Sciences, Davangere	Mediation	2	82

3.5 Collaborations

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

Nature of Activity	Participant	Source of financial support	Duration
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3.5.2 Linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the year

Mechanical				
Sharing of Research facilities	Measurement of Tooth Profile	Bapuji dental college, Davanagere	04-10-19 to 06-10-19	3

Sharing of Research facilities	Measurement of film thickness of luthing cement using Micrometer	Bapuji dental college,Davanagere	12-10-19 to 13-10-19	2
MBA				
Academic Interface Program	Salesforce Academic Allience	Dheya events and promotions	27 th November to 2 nd December, 2019	70 numbers. 3 rd sem students
Industry	Internship	70 + Companies	5 th July to 29 th July 2019	119 Students
E&I				
Industry	Internship	JSW, Thoranagallu	July 2019	3
		Grasim Polyfibers, Harihar	July 2019	2
E&C				
Internship	Training	Whizchip Design Technologies Pvt. Ltd.,Bangalore	2 nd july to 3 rd Aug 2019	VII sem Student
Supporting R&D Projects	Training	VI solutions, Bangalore	8 th July 3 rd Aug 2019	VII sem Students
Chemistry				
Academic Project	Project Work	Dr.B.P.Nandesshwarappa Professor of Chemistry Davanagere University	3 Months	J K Prasannakumar Project Guide
		Dr.B.P.Nandesshwarappa Professor of Chemistry Davanagere University	3 Months	Dr.H.R.Mallikarjuna Project Guide
Textiles				
Academic Interface Program	VmWare IT academy Program(SMO)	Dept. of Handloom & Textiles Governemnt of Karnataka.	45	75
Industry	Internship	Garment Industries Bangalore	1 Month	29
Chemical				
Academic Interface Program	Internship	FACT, Kochi	15-07-2019 To 03-08-2019	04
		Grasim Industries Ltd., Harihar	12-07-2019 To 11-08-2019	04
		Cargill India Pvt. Ltd., Belludi	15-07-2019	03

			To 14-08- 2019	
		BASF, Mangalore	06-07- 2019 To 02-08- 2019	02
	Inplant training	Grasim Industries Ltd., Harihar	16-01- 2019 To 07-02- 2019	05
		Maharaja Industries Ltd., Davangere	15-01- 2019 To 30-01- 2019	03
		Synthite Industries Ltd., Ranebennur	09-07- 2019 To 26-07- 2019	09
IS&E				
Industry	Internship	ROVE Labs Pvt Ltd	10 th July to 10 th August 2019	68
		KY infotainment and e-commerce pvt ltd, Bangalore.	1 st July to 3 rd August 2019	1
		igrenEnergi Services Pvt .Ltd, Mumbai	12 th July to 9 th August 2019	1
		Ideal Educraft Technologies, Bangalore	8 th July to 2 nd August 2019	6
		Electronics Corporation of India Limited, Hyderabad	6 th July to 5 th August 2019	1
		Euphonious Innovations Pvt. Ltd, Bangalore	8 th July to 7 th August 2019	1
		Tech Fortune Technologies, Bangalore	8 th July to 8 th August 2019	10
		Bharath Electronics Limited, Bangalore	8 th July to 8 th August 2019	1
		Azure Skynet Solutions(P) Ltd, Gugaon.	8 th July to 8 th August 2019	2

		Contriver Pvt. Ltd, Mysore	4 th July to 4 th August 2019	5
		Mu-Sigma Business Solutions Pvt. Ltd, Bangalore.	8 th July to 11 th August 2019	1
		Rayies Global Solutions Pvt ltd	8 th July to 7 th August 2019	2
		Centre for Artificial Intelligence and Robotics, DRDO, Bengaluru	1 st July to 30 th August 2019	3
		SOC Experts, Bangalore	21 st January to 15 th February 2019	3
Electrical				
Industry	Internship	JSW steel limited	08-01-2018 to 22-01-2018	Apoorva Badami
Industry	Internship	Diesel Loco shed,Hubballi(South Western Railway)	18-01-2018 to 31-01-2018	Haripriya P Joshi
Industry	Internship	Diesel Loco shed,Hubballi(South Western Railway)	22-01-2018 to 31-01-2018	Sourabh J Kalas

3.5.3 MOUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MOU signed	Purpose and Activities	Number of students/teachers participated under MoUs
Mechanical			
Sharing of Research facilities	04-10-19 to 06-10-19	Measurement of Tooth Profile	3
Sharing of Research facilities	12-10-19 to 13-10-19	Measurement of film thickness of luthing cement using Micrometer	2
Pace academy coimbatore	11/11/2019	SKILL DEVELOPMENT PROGRAMME-	75 tudents

		APTITUDE, SOFT SKILLS etc.	
Dhyeya events & promotions – hubli	26/11/2019	SKILL DEVELOPMENT PROGRAMME- APTITUDE, SOFT SKILLS etc.	25 students
Prashanth industries, davangere	17/12/2018	Training, Internship and Placement of students	30 Students
Velkast foundries harihar	27/12/2018	Training, Internship and Placement of students	25 students
Accutech agro pvt.ltd. Davangere	02/01/2019	Training, Internship and Placement of students	20 Students
Psk pharma pvt. Ltd, harihar	03/01/2019	Training, Internship and Placement of students	25 Students
Synthite industries pvt.ltd. Harihar	05/01/2019	Training, Internship and Placement of students	30 Students
E&I			
Prolific Systems and Technologies Pvt Ltd, Bengaluru	24/09/2019	To impart specialized training in Industrial Automation with regard to recent trends and practical application. Technological up-gradation, innovation and competitiveness of an industry	70
EC			
Whizchip Design Technologies Pvt. Ltd.,Bangalore	27-09-2018	Internship	6
VI Solutions, Bangalore	29-10-2018	Supporting R&D Projects	—
IS&E			
ROVE Labs Pvt Ltd., Bengaluru	16/07/19	Internship	82
Biotechnology			
M/s Maganahalli Ratna Enterprises	04/12/2019	Purpose: Collaboratively propose, submit and carryout R&D projects Activities: <ul style="list-style-type: none"> • Development of hazardous chemical free, ecofriendly Sanitary and post delivery pads • Conducting workshops, 	Students: 11 . Teachers: 02

		demonstration and awareness programmes at rural and urban places	
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CRITERION IV - INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
Rs 11,50,50,000 =00	Rs.11,46,66,905=00

4.1.2 Details of augmentation in infrastructure facilities during the year

Facilities	Existing	Newly added
Campus area	64 Acres and 26 Guntas	Nil
Class rooms	UG - 86 PG - 27	Nil
Laboratories	UG - 92 PG - 19	07
Seminar Halls	08	1- Placement Cell
Classrooms with LCD facilities	41	1
Classrooms with Wi-Fi/ LAN	LAN: 06	--
Seminar halls with ICT facilities	05	01
Video Centre	--	
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	04	
Value of the equipment purchased during the year (Rs. in Lakhs)	Rs. 44, 04, 319=00	
Others		

4.2 Library as a Learning Resource

4.2.1 Library is automated {Integrated Library Management System -ILMS}

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
Easylib Software	Partially	6.2 web version	2005

Library Services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	60396	21364689.85	37	19618.00	60433	21384307.85
Reference Books	25774	6070178.45	16	10060.27	25790	6080238.72
e-Books	3216		21113		24329	
Journals			137	333586.00	137	333586.00

e-Journals			1700	2393250.00	1700	2393250.00
Digital Database CD & Video	1613				1613	
Library automation		1294303.00				1294303.00
Weeding (Hard & Soft)						
Others (specify)						

4.3 IT Infrastructure

4.3.1 Technology Upgradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depts.	Available bandwidth (MGBPS)	Others
Existing	1209	32	YES	2	2	38	16	59	
Added	00	00	YES	0	0	0	0	95	
Total	1209	32	YES	2	2	38	16	154	

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

154 MBPS /GBPS

4.3.3 Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
NPTEL	http://www.bietdvg.edu/Library/info.html
Online Courses	http://www.bietdvg.edu/Library/OnlineCourses.html
E-Resources	http://www.bietdvg.edu/Library/e_resources.html

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

Name of the teacher	Name of the module	Platform on which module is developed	Date of launching e-content
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4.4 Maintenance of Campus Infrastructure

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

Assigned budget on academic facilities (Rs.)	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities

3,11,38,000 =00	1,46,64,661 =00	4,29,50,000 =00	2,92,29,407 =00
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4.4.2 Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

BIET believes in a broad based education and believes in providing state art infrastructure facilities to achieve excellence in academics and research. Policy of the Institution for creation and enhancement of Institute's infrastructure facilities is in line with the objectives laid down by the Governing body. Creation of infrastructure is as per AICTE norms; additional infrastructure facilities are created based on changes in the curriculum, introduction of new courses and research requirements.

Institute has an excellent physical infrastructure in the form of buildings with class rooms, laboratories, seminar halls, staff rooms, R&D centers, drinking water supply, reprographic facilities, rest rooms etc. All these facilities are constructed as per AICTE norms with lot of light, ventilation and extra space for free movement of the students. Further, provision is made in each building for its vertical growth. The green gardens within the campus are an attraction for not only the students but also for the public. BIET campus is known as "Walkers' Paradise" as many people come here for a morning walk every day.

Laboratory equipments, devices, computers and related software are procured in a systematic way and upgraded periodically based on the changing curriculum and intake. The institute has 25 Mbps Airtel Leased line Internet and 2 Mbps BSNL Broad Band Internet facilities.

The boys hostel has three blocks with a built up area of 12880 sq.m. spread on area of 4.5 acres. There are 200 rooms accommodating 608 students. The rooms are well furnished and the hostel has lush green surrounding. Stationery shop and internet facility are provided in the hostel. Surveillance cameras are installed in the hostel blocks for the safety and security of the students. "Amrutha", ladies hostel within the campus accommodates 300 boarders with 100 rooms. This hostel has one block with four floors and has a built up area of 6500 sq.m. Solar hot water facility is also available. All hostel blocks are provided with water purifiers. Round the clock security is provided. Surveillance cameras are installed in the hostel blocks and at some strategic places in the campus for the safety and security of the students. For uninterrupted power supply in the college campus (including hostels), two generators of 180kVA & 200kVA capacity have been installed in the college campus.

The institute has EDUSAT facility, VTU recognized e-learning lab through which first year students get study material and NPTEL videos on various subjects available for students and staff. ICT enabled teaching methods are extensively employed by the teachers in many departments. The institute is a member of VTU consortium for library resources. The Library & Information Centre is housed in the Administrative Block & having three floors including two mezzanine floors, with an area of 3175 sq.m. The library has a seating capacity for 600 users at a time. It has adapted open access system and maintains Online Public Access catalogue (OPAC) to provide easy access to the stacks. The library subscribes to 184 print journals and a good number of e-journals through VTU-Consortium subscription. The Institute has membership of DELNET consortium where the faculty and students can access over 750 scientific journals and 850 Engineering journals. A library advisory committee of the institute monitors the library growth through a qualified librarian. In addition to the general library, the engineering departments have exclusive department libraries for quick and easy access of books by staff and students.

Institute provides high quality sports facilities. Grounds for games like Cricket, football, hockey, and courts for Basket ball and Tennis are available within the campus. Indoor games such as shuttle badminton, table tennis, chess, carom etc, for both boys and girls are available. State of art 12 station Multi Gym facility is also available in the campus. A number of tournaments/ athletic meets of university / zonal/district level are organized every year. Institute has the distinction of sending students to represent university consistently every year. Every department has its own sports activity conducted annually for the entire college.

The Training and Placement cell of the institute has the entire infrastructure for conducting campus interviews with a modern seminar hall, group discussion room, office etc. A state of the art auditorium of capacity 300 is also being built for training and placement activities. Institution has cooperative society within the campus. Institution also has Bapuji Cooperative bank to provide banking facility for students and staff. Some percentage of the total revenue is earmarked for maintenance of campus facility. The institution has separate maintenance section for maintaining buildings, electrical works, housekeeping, CCTV system, etc. Maintenance of UPS/generators, computers, networking maintenance, and telecom maintenance is managed by staff ear marked for maintenance activities. Periodic calibration of laboratory equipment is carried out by the instructors of laboratories concerned.

A fully air conditioned auditorium is being built with a seating capacity of 700 and equipped with stage, public address system, LCD projector, and internet and Wi-Fi facilities. Institute is planning to have ERP software to completely automate student information, administration, library and other activities of the institution.

CRITERION V - STUDENT SUPPORT AND PROGRESSION

5.1 Student Support

5.1.1 Scholarships and Financial Support

	Name /Title of the scheme	Number of students	Amount in Rupees
Financial support from institution	--	--	--
Financial support from other sources			
a) National	E-PASS	1562	3,31,99,350=00
	DTE Bangalore	67	33,55,550=00
	SC Davangere	178	1,10,66,730=00
	ST Davangere	--	--
	TRUST	5	51,000=00
			Total: 4,76,72,630=00
b) International	--	--	--

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

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
CREA	March 26-31-2019	326	Innovations Unlimited

			Bengaluru
RARO	29 July 19 to 31 July 19	57	RARO Technologies
RARO	27 Sept.-03 Oct. 2019	330	RARO Technologies
SIP-2019	10-5-2019		
National Science Day-2019	10-08-2019		
ISKON-2019	15-10-2019		ISKON

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

Year	Name of the scheme	Number of benefited students by Guidance for Competitive examination	Number of benefited students by Career Counselling activities	Number of students who have passed in the competitive exam	Number of students placed
2019	CREA	----	326		40
2019	Silver Peak, Japan	NIL	16		16
2019	RARO		387		50

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

Total grievances received	No. of grievances redressed	Average number of days for grievance redressal
NIL	NIL	NA

5.2 Student Progression

5.2.1 Details of campus placement during the year

On campus			Off Campus		
Name of Organizations Visited	No. of Students Participated	No. of Students Placed	Name of Organizations Visited	No. of Students Participated	No. of Students Placed
Whizchip Design	53	3	Global Edge	75	2
TCS Ninja	260	50	Infosys	90	52
SLK Software	75	7	Inube Technologies	45	10
T & V Solutions	32	4	Starmark	8	2
Silver Peak	200	16			
TEK System	25	0			
Wipro	45	11			
Vee Technologies	61	24			
Mphasis Ltd.	97	4			
Digit Insurance	125	2			

Gokuldas Exports	24	4			
Bilteek Fashions Pvt Ltd	27	3			
Xoriant	27	1			
ABC	74	8			
Cleo	114	6			
Elevation - Online Exam	62	3			
Gig Sky	140	1			
Shahi Exports	24	5			
Syntel	6	2			
NTT DATA	22	1			
MindTree	4	2			
Paht Front	150	22			
Qspider	70	16			
Whizchip Design-2	25	2			
Texport Overseas Pvt Ltd	20	2			
Bibox Software Ltd.	6	2			
Aissel Solutions	25	2			

5.2.2 Student progression to higher education in percentage during the year					
Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of Programme admitted to
2018-19	2	BE	CSE	VTU	PhD
2018-19	2	BE	CSE	VTU/Manipal	MTech/MS
2018-19	01	B.E	Electronics & Instrumentation Engineering	UBDTCE	M.Tech in Digital Communication Networking
2018-19	5	UG	E&CE	MSRIT, Bangalore	M.Tech
2018-19				MIT, Manipal	M.Tech
2018-19	3	UG	E&CE	University of Darmstadt	MS
2018-19	02	B.E (Chemical	Chemical Engg Dept		

		Engineering)			
2018-19	3	B.E.	Information Science and Engineering	UBDTCE Davangere, Bapuji B schools (B.I.E.T M.B.A)	M.Tech in CS&E. and MBA
2017-18	1	B.E.	Information Science and Engineering	UBDTCE Davangere	M.Tech in CS&E.

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

Items	No. of Students selected/ qualifying	Registration number/roll number for the exam
NET		
SET		
SLET		
IELTS	2	308152, R4671034
GATE	9	BT19S41211038, CS17S51229015, CS17S51229015, CS16S61032108, CS16S52150048, CS16S61031004, 11871567, EC19S51211050, EC19S51409076
GMAT		
CAT	1	6244366
GRE	8	5874852, 3136743, 0161927, 0712255, 5818813, 4540651
TOFEL	1	0000000034753122
Civil Services		
State Government Services		
Any Other	3 (SWAYAM)	NPTEL19BT15S41140456, NPTEL19BT24S61141560, 404013

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

Sl No.	Activity	Level	Participants
01	Kho-Kho (M) K I T Tiptur	VTU Center Karnataka Zone Inter Collegiate Tournament 1 st & 2 nd March 2019	12 Boys

02	Cricket (M) JNNCE Shimoga	VTU Center Karnataka Inter-Collegiate tournament 12 th to 15 th March 2019	16 Boys
03	Football (M) S I T Tumkur	VTU Center Karnataka Zone Inter Collegiate Tournament 22 nd & 23 rd March 2019	16 Boys
04	Basketball (W) B L D C E Bijapur	Center Karnataka Zone Inter Collegiate Tournament 8 th & 9 th April 2019	12 Women
05	Kabaddi (M) B C E College Shravanabelogola	VTU Inter- Collegiate 29 th & 30 th April 2019	12 Boys
06	Chess (M&W) SJMIT Chitradurga	VTU Rest of Bangalore zone 18 th & 19 th August 2019	05Girls ,05Boys
07	Cricket selection trails (W) SJCIT Chikkaballapur	VTU single Zone 17 th & 18 th October 2019	01 Girls
08	Athletic Meet (M&W) GNDEC Bidar	22 nd VTU Athletic Meet 22 nd to 25 th October 2019	01Girls, 05 Boys
09	Netball selection trails (W) GAT Bangalore	VTU Single Zone 13 th to 14 th November 2019	01Girl

5.3 Student Participation and Activities

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

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

BIET Students' academic council for the year 2017-18 was formed on 8th October 2017. President of the council was Principal. Dr.K.C.Devendrappa, Associate professor Department of Mechanical Engineering and Mr. M.C. Patel Faculty in Department of Textile Technology were nominated as conveners of student Academic Council. ETHNIC DAY-2017 was celebrated on 5th Nov.2017. Mr. Bhubalan Asst. Commissioner inaugurated the student council and Ethnic day.-17.

DAVANA-17 Cultural Fest of BIET was organised on 5th and 6th April 2018. Students of BIET from Various departments participated in all the events like, Debate, Mad adds, Mime, Musical Instrument, Folk dance, Group dance etc.

Programme was inaugurated by the Mayor of Davanagere Municipal Corporation. Inauguration was held in SS Mallikarjuna Cultural Centre BIET. Sri. A.C. Jayanna Chairman BIET Presided over the function. Principal, Director, all heads of Department and Faculty were present.

Students from BIET Davanagere Participated in the VTU YOUTH FEST which was held at Angadi institute of Technology, Belgaum, on 12th and 13th April 2018. Students were accompanied by Conveners. BIET students secured first Prize in MIME event.

5.3.2 No. of enrolled Alumni:

Mechanical **UG:** 40 **PG:**

MBA : 40

CS & E 450

Chemical : 14

Electrical : 49

5.3.3 Alumni contribution during the year (in Rupees) :

Mechanical Rs.34500.00

MBA : Rs 35459.00

5.3.4 Meetings/activities organized by Alumni Association :

Mechanical :

21-09-2019 : Sliver Jubilee Celebrations of Batch 1990-94 – Conduced one day Workshop/seminar on Global oppourtunities for mechanical enggineers in automobile and IT Industries.

MBA: 3 meetings

CS&E

Alumni meet(1989-1993 batch)on 22-12-2018

Alumni meet(1990-1994 batch)on 22-12-2018

Alumni meet(1989-1993 batch)on 22-12-2018

Chemical : 31/08/2019

Electrical :

Year 1998 Batch, Date:20/07/2019

Year 2000 Batch, Date:07/11/2019

Year 1994 Batch, Date:30/11/2019

CRITERION VI –GOVERNANCE, LEADERSHIP AND MANAGEMENT**6.1 Institutional Vision and Leadership****6.1.1 Mention two practices of decentralization and participative management during the last year (maximum 500 words)**

Decentralization: The institute has a Governing Body working under BEA. The Governing Body is the supreme authority in taking decisions related to the vision and mission, policies, road map, development and functioning of institute. The action plan is formulated by the planning body which includes Principal, Director, Deans, and heads of the department and coordinators of various academic committees. The Principal of the institution is the member secretary of the Governing Body. This body provides suggestions, monitors the procurement, and decides on the introduction of new programs and welfare activities. The head of the institution is responsible for academic, nonacademic and administrative activities of the institution.

Participative Management: The college promotes a culture of participative management. The responsibility of managing the institution for its progress rests on the faculty, Heads of the department, Deans, Principal and Director. Various committee members work as a team for the betterment of the institute. At each level, there is an active participation in planning and implementation. Head of the Department is involved in development, procurement, selection of new faculty, starting of new programs, and organizing invited/technical talks, seminars, workshops, Faculty development program etc.

**6.1.2 Does the institution have a Management Information System (MIS)?
Yes/No/Partial:**

YES : The institute has established a full fledged ERP System (www.contineo.in) with the following modules:

1. **Accredia OBE Features** (OBE Planning Module, OBE Special Courses, OBE for internal assessments-direct, University Exam attainment, In-direct Assessment Module, Attainment Reports and Analysis, Course, PO Outcome action items)
2. **Accredia Plus Features** (Student Admission and Document Store, Admission Approval and Confirmation, Student Admission Photo, ID and USN, Fee Module and Integration, Academic Staff Profile and Assignment, Staff R&D Activities, Academic Planning and Calender, Academic Delivery and Progress Review, Feedback, Lesson/Content Storage and Retrieval, Student's 360 degree View, Student Proctering and Counselling, Student and Parent Communication, Class Committee Meeting, Semester End Finalisation, Library, Mobile Application, Seating Arrangements and Logistics)
3. **Data Migration & Security** (Historical Data Migration, Security Backup and Archival)

All the activities of the above modules will be regularly updated as and when the information is collected and regular reports are generated for analysis. Dean (academic) will conduct regular meetings of all the ERP coordinators, HODs and other concerned staffs for the analysis of data generated. After the meetings, if any discrepancies are found in the data generated, suitable remedial measures are taken to improve upon the students/teachers performance and other stake holders.

6.2 Strategy Development and Deployment

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

- ❖ **Curriculum Development:** The faculty have actively contributed to the development of curriculum in Visvesvaraya Technological University, Balagavi, Davangere University, Mysore University and Kuvempu University etc. Similarly, faculty members have contributed to curriculum development in autonomous Engineering such as R V Institute of Technology, Siddaganga Institute of Technology, Tumkur. Interactions with industry, institutions and the service sector have enabled BIET to identify inadequacies in the syllabus. Their feedback has been taken into consideration, and suitable suggestions are communicated to VTU, Belagavi for needful changes. Experts from industry are consulted and involved during the process of curriculum development at the university level. Their feedback is also taken to start new courses based on market dynamics.
- ❖ **Teaching and Learning:** Institution has the strategy of planning academic activities, before the commencement of the semester/year. The academic calendar is given by the affiliating University and the faculty prepares lesson plan. Internal evaluation is carried out by the faculty, and semester examinations are conducted by the University. The evaluation results are analyzed and students' feedback is obtained, and if necessary, changes are made in the delivery of subject. The institute promotes innovative teaching learning methods and extensive use of Information and communications Technology. Faculties are encouraged to attend workshops, seminars, faculty development programs and Induction program for skill upgrading and modernizing teaching methodology. Institution conducts skill training for students. Encourage students to participate in industrial projects. Extensive use of PPT, NPTEL videos, Teaching aids.
- ❖ **Examination and Evaluation:** Various methods of analysis are adapted to ensure the achievement of the stated objectives of curriculum such as University examination results are analyzed. This is carried out as follows: • After the announcement of results from the university, percentage pass in individual subjects and over all pass percentage in each semester are calculated for all disciplines separately. Subject in which the percentage pass is less compared to other subjects is identified. • The staff members who were handling such subjects will be required to explain the causes and Head of the department will review the lesson plan, subject notes etc., and suggestions, if needed, are given to the faculty to improve their performance. Students have to appear for internal assessment tests every month in a semester. Totally there will be three such tests for each subject. After the test paper evaluation, analysis of performance is carried out in the department level. Feedback from the students is taken on teachers performance. The performance of the students in the tests and semester examinations is monitored by an Internal Academic Audit group to evaluate the academic progress of the departments in particular and institute in general

- ❖ **. Research and Development :** Faculties are encouraged to pursue research by providing them leave for higher studies. Faculties are motivated to carryout consultancy work with industries. Faculties are motivated to carryout research in association with industries and institutes of repute. Signings of MOUs with industry to conduct industry related projects, sending students for internship and skill development. Faculties are provided with Library and Laboratory facility for research work. Faculties are motivated to contribute their research articles in conferences and reputed journals. Forward the research project proposals for sponsorship from various funding agencies.
- ❖ **Library, ICT and Physical Infrastructure / Instrumentation :** The institute has EDUSAT facility, VTU recognized e-learning lab through which first year students get study material and NPTEL videos on various subjects available for students and staff. ICT enabled teaching methods are extensively employed by the teachers in many departments.
- ❖ **Human Resource Management :** Potential talents of the students are explored through extra-curricular activities. These talents will be nurtured and a platform is provided for exhibiting their expertise through departmental forums. HR management is well defined for staff recruitment based on the merit of the applicant. Recruitment is based on guidelines of AICTE. Interviews are conducted for prospective candidates after initial screening by the interview committee. Interview committee generally consists of subject experts from Institutes of repute and industry. Institute encourages faculty to attend seminars, workshops, invited lectures, research activities. It also conducts the training and induction programs for the employees. Promotions to eligible faculty on requirement basis. Amount collected through consultancy will be shared among the faculty. Encourage faculty to acquire higher qualification.
- ❖ **Industry Interaction / Collaboration:** Regular industry-institute interaction programs are being arranged to introduce the industry readiness and work culture. Institute has signed MoUs with industries. Institute conducts regular meetings and gets suggestions for curriculum developments. These suggestions are forwarded to the University for incorporating in the syllabus, as and when revised. Industrial visits and training in the respective domains. Industries will be requested to provide internship, awards to meritorious students and financial assistance for research.
- ❖ **Admission of Students :** The admission process is under the control of the State Government, COMEDK and managements. The college maintains student admission details in office and admission section of the institution. The institute also maintains students' previous history records with regard to their, family background, education details in the college. The file also includes the students' interest in co-curricular and extracurricular activities. These details will serve as input for improvement of the student in the first year and subsequent years. Institute provides infrastructure for CET Admission cell every year so that students from across the state can visit BIET during document verification process. This would be like a marketing activity of the institute to attract high quality students. Based on the analysis of admissions, steps are taken to improve the admissions through articles in news papers special programs, exposure programs to pre university teachers to make them aware of the advantages and job opportunities in these areas. These activities have resulted in the increased intake in the departments concerned. Faculties have participated as resource persons in orientation program conducted by many organizations for the benefit of pre university students. Most of the events conducted in the institute are published in newspaper to build image of the institute. Training and Placement activities are effectively monitored and companies of repute are invited for placements. Experts in engineering domain and well known dignitary are invited to build the brand image of the institute

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

- ❖ **Planning, Development and Administration** : Presently office related correspondences such as establishment, admissions, cash section, exam, stores, scholarship, accounts, salary, projects, and dispatch are being operated with “Contineo ERP Software”.
- ❖ **Finance and Accounts:** accounts, salary, projects, and dispatch are being operated with “Admin software”.
- ❖ **Student Admission and Support** : Institute has obtained ERP for student and faculty governance, teaching-learning processes and learning management systems.
- ❖ **Examination** : All the exam related data and management activities are conducted through Contineo ERP software.

6.3 Faculty Empowerment Strategies**6.3.1 Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year**

Year	Name of teacher	Name of conference / workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	Prof. Vijay K S	“Big data Analytics with HADOOP”	Bapuji B-Schools	2,500/-
2019	Prof. Inchara R Murthy	“Business Analytics – A Management Tool”	Bapuji B-Schools	700/-
2019	Dr. Sujith Kumar S H	SEBI Conference	SEBI	2,500/-
2019	Dr. Niranjana M	International Conference on Physics of Materials and Nanotechnology (ICPN-2019)	BIET	4,500/-
2019	Shruthi S.R	International workshop on “Ebracing Industry 4.0 Revolution – Bioimaging trends and applications in lifesciences	-	2085/- Rs
2019	Dr.Nirmala S.O Savithri G.R	Fundamentals of Physical design and verification using cadence tool flow	-	3500/- each
2019	Ranjith Patil N	eSim	-	3000/-
2019	Dr.Ganesh PS	International conference on nanomaterials	-	Registration Fee
2019	Dr. G.P. Desai		Institution of Engineers (IEI)	129580/-
2019	Dr. B.M. Kulkarni		Institution of Engineers (IEI)	4897/-

2019	Dr. C. M. Kalleshappa		Institution of Engineers (IEI)	4897/-
2019	Dr. Mamatha M		Institution of Engineers (IEI)	4897/-
2019	Dr. Praveen kumar D.G		Institution of Engineers (IEI)	4897/-
2019	Mr. Amarnath P.C		Institution of Engineers (IEI)	4187/-
2019	Smt. Shashikala K J		Institution of Engineers (IEI)	4187/-
2019	Gowreesha H.B.	FDP“Paradigms in Intelligent Computing” Dept. of CS & E ,VTU, Balagavi		TA/DA Provided

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

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	Dates (from-to)	No. of participants (Teaching staff)	No. of participants (Non-teaching staff)
2019	17 th Faculty Development Programme – “Case study teaching and writing”.	-	15/03/2019 to 16/03/2019	25	
2019	18 th Faculty Development Programme – “Structural Equation Modeling”.	-	30/08/2019 to 31/08/2019	25	-
2019	One Week Short Term Training Programme through ICT Mode on “Effective Teaching”		15-07-2019 to 19-07-2019	4	
2019	PLC and SCADA Tool	PLC and SCADA Tool	23-10-2019 to 25-10-2019	6	1
2019	Applications of Labview in	—	28 th Jan to 2 nd Feb	27	—

	engineering and research				
2019	eSim		21 st Sep	26	
2019	“Effective Teaching”	“Effective Teaching”	15/07/2019 to 19/07/2019	56	08
2019	Moodle Learning Management System	--	14/03/2019	46	--
2019	Python	--	22/06/ 2019	36	--
2019	Linux	--	23/ 08/2019	28	--
2019	“eSim, a First Course in the IoT Series”.	--	12 /09/2019	26	--

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

Title of the professional development programme	Number of teachers who attended	Date and Duration (from – to)
17 th Faculty Development Programme – “Case study teaching and writing”.	15	15/03/2019 to 16/03/2019
18 th Faculty Development Programme – “Structural Equation Modeling”.	15	30/08/2019 to 31/08/2019
MeitY, Govt. of India sponsored one week FDP ON “Big Data Analytics with HADOOP organised by E & ICT Academy, National Institute of Technology, Warangal at S.D.M Institute of Technology, Ujire, (D.K), Karnataka	1	7/01/2019 to 12/01/2019
Faculty Development Programme on “BUSINESS ANALYTICS – A MANAGEMENT TOOL” organised by Department of Studies in Management, GM Institute of Technology, Davangere	1	7/02/2019 to 8/01/2019
Workshop on “HR Analytics and Marketing Research & Analytics” organized by VTU – Board of studies in Business Administration at BNM Institute of Technology, Bangalore.	1	18/10/2019
Short term training programme through ICT mode on EFFECTIVE TEACHING	3	15-07-19 TO 19-07-19
Machine Learning and Deep Learning	1	
Machine Learning to Deep Learning	10	23-02-2019
Business Analytics	25	31-08-2019

Implimentation of OBE in Hier educational Institutions	1	08-07-2019 to 12-07-2019
One Week Short Term Training Programme through ICT Mode on “Effective Teaching”	4	15-07-2019 to 19-07-2019
eSim, a First Course in IOT series for Teachers	2	21-09-2019
Faculty development program	27	28 th Jan to 2 nd Feb 2019
	1	22 nd to 24 th Jan 2019
Short term course	2	21 st to 25 th Jan 2019
	5	15 th to 19 th July 2019
STTP	02	15-07-2019 To 19-07-2019
Recent Trends in environment impact assessment – process and procedures (RTEIA-PP)	05	17-01-2019 to 19-01-2019
Research avenues in genomics	01	17 th to 21 st Dec 2018
Moodle learning management system	36	1 st March 2019
Python	35	22 nd June 2019
Effective Teaching	66	15 th to 19 th July 2019
Paradigms in intelligent computing	01	29 th July to 2 nd Aug 2019
Linux	24	23 rd Aug 2019
Introduction to IoT& its prototype	01	25 th to 27 th Sep 2019
Big image data processing using machine learning techniques	01	4 th to 9 th Nov 2019
Effective Teaching	03	15-07-2019 to 19-07-2019

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

Teaching		Non-teaching	
Permanent	Fulltime	Permanent	Fulltime/temporary
UG: 201	PG: 15	116	17

6.3.5 Welfare schemes for

Teaching	<ol style="list-style-type: none"> 1. Group Insurance Scheme 2. Higher Study Leave Facility 3. Sabbatical Leave Facility 4. Maternity Leave 5. Financial Assistance to attend national/international conferences, paper presentations
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	6. Medical facility
Non teaching	1.Group Insurance 2. Medical Facility 3. Maternity Leave
Students	1. Group Insurance Scheme 2. Financial assistance for paper presentation/attending conferences/workshops/seminars

6.4 Financial Management and Resource Mobilization

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

Once in 3 months, Internal Audit is conducted by the Data Centre and finally the accounts of the institute are audited by the M/s. Shanthappa & Co, company, the BEA Association's authorised auditing company

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

Name of the non government funding agencies/ individuals	Funds/ Grants received in Rs.	Purpose
NIL	NIL	--
6.4.2 Total corpus fund generated		Rs. 24,59,19,579=00

6.5 Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	--	--	YES	Principal, Dean (Academic) and IQAC Members
Administrative	--	--	YES	Principal, Dean (Academic) and IQAC Members

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

• Brain –storm activities for students
• Salesforce, Learnathon
• Oracle Academy Day
• Personality Development program for 2 nd year students
• Parents visited to the department to check the progress of their ward
• Sending progress report to parents after every test

6.5.3 Development programmes for support staff (at least three)

• Promoted faculty to attend Conferences/ FDPs' and Workshops
• Awareness to the current needs of software Industries while installing the new software as per the VTU syllabus scheme

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

- Instruction Boards to all Laboratories.
- Improvements in Filing system
- Implementation of Student centered activities.
- Systematic counselling for students.
- Motivating faculty members to write research proposals to Various funding organizations
- Faculty members are motivated to write research papers
- More Alumni- student interactions
- Continuous interactions with parents to reduce the shortage of attendance and improve performance
- Preparing the test question paper pattern according to the course objectives and course outcomes
- Insisting the Faculty members to send their research papers to the reputed Journals approved by UGC
- D-Space powered by Koha (to enrich the digital library)
- Introduce Art Club. Celebration, Mentoring etc

6.5.5

- a. Submission of Data for AISHE portal : Yes
 b. Participation in NIRF : Yes
 c. ISO Certification : No
 d. NBA or any other quality audit : Yes

6.5.6 Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting activity	Duration (from-----to-----)	Number of participants
2019	Academic Meeting to discuss IQAC activities	25-10-2019	1 hr. 10.30 to 11.30AM	22
2019	Academic Audit Visits to various Departments	13-11-2019 to 16-10-2019	3 hrs for each dept. from 10.30 am to 5.00 pm)	IQAC Team members –4 and respective HOD and Faculty of the department

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES**7.1 - Institutional Values and Social Responsibilities****7.1.1 Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)**

Title of the programme	Period (from-to)	Participants	
		Female	Male
Law and implementation with a reference to Judiciary issues of women	06.08.2019	175	225

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

Percentage of power requirement of the College met by the renewable energy sources

The institute has environment friendly policies with regard to plantation, waste management, use of solar water heating system, use of renewable energy resources and water harvesting. A strict ban is imposed on the usage of cigarettes and tobacco products within the campus. Proper directions are given to the staff and students to park their vehicles in the indicated parking areas. Dead leaves and waste papers are not allowed to be put on fire in the campus. These are converted into vermicompost. Food waste collected from institute boys' and girls' hostels is used to generate cooking gas in the hostel kitchens, through a bio-methanation plant designed by Dept. of Mechanical engineering. The institute gives top priority for planting the trees. The institute has a nursery to grow fruit and flower bearing plants. The hallmark of BIET has been its strong interface with the industries and institutions of repute. Institute has full-fledged product development center which is undertaking development of products and transfer the technology to the entrepreneurs who are in need. Industry Institute Interaction Cell has been very active in the institute.

7.1.3 Differently abled (Divyangjan) friendliness

Items Facilities	Yes/No	No. of Beneficiaries
Physical facilities	Yes	3
Provision for lift	Yes	3
Ramp/ Rails	Yes	3
Braille Software/facilities	No	--
Rest Rooms	Yes	3
Scribes for examination	Yes	3
Special skill development for differently abled students	No	--
Any other similar facility	Special/extra help in library and office	3

7.1.4 Inclusion and Situatedness

Enlist most important initiatives taken to address locational advantages and disadvantages during the year

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date and duration of the initiative	Name of the initiative	Issues addressed	Number of participating students and staff
2019	1	1	22-04-2019 to 10-05-	Technology Barrier Reduction Program (TBRP) (for Government	Technology Barrier Reduction	36

			2019 for 21 days	Rural Kannada Medium High School Students)		
2019	1	1	27-08-2019	Blood donation camp	Blood donation for needy people	550
2019	1	1	02 – 10 - 2019	Swachh Bharath Summer Internship programme (SBSI)	Health Awareness, Rallies, Wall Painting, Door to Door Swachhatha Programme	152

7.1.5 Human Values and Professional Ethics

Code of conduct (handbooks) for various stakeholders

Title	Date of Publication	Follow up (maximum 100 words each)
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7.1.6 Activities conducted for promotion of universal Values and Ethics

Activity	Duration	Number of participants
Martyr's day ” on eve of Death anniversary of Mahatma Gandhiji.	30 – 01 - 2019	200
NSS Annual Village Camp ”, at Hosabealvanur Village, Kuvempu Centenary School, Davangere Dist.	25-02-2019 to 03-03-2019, for seven days	53
World Women's day , was celebrated by distributing the Bread and Fruits to Children and Women in the Chigateri Hospital,(a District Hospital), Davangere	08-03-2019	100
Technology Barrier Reduction Program-2019 , was organized by Foundation for Advancement for education and Research (FAER) and Zebra Technologies, Bengaluru, for Rural High School students .	22-04-2019 to 10-05-2019 for 21 days	36
Oath Taking Programme , was organized on the eve of “Anti-Terrorism Day , on, in commemoration of Late Sri. Rajiv Gandhi, Ex. Prime Minister of India.	21-05-2019	350
Skin Awareness Programme ” was organized in	31-05-2019,	

association with Davangere Dermatology Association, Davangere.		
“Cycle Jatha” was organized on the eve of “World Environment Day”	07-06-2019	50
Oath Taking Programme , was organized on the eve of “Rashtriya Sadbhavana Diwas , in commemoration with Birth day celebrations of Late Sri. Rajiv Gandhi, Ex. Prime Minister of India.	20-08-2019	400
A Blood Donation Camp was organized on in association with S. S. Medical Institute of Research Centre, Davangere. 185 units of blood were collected on this occasion.	27-08-2019	550
“Plastic Awareness Programme” organized through “Power Point Presentation – on the theme “Plastic Free India” ,	22-09-2019 to 30-09-2019	800
“Cleaning of the Campus” was conducted on the eve of Gandhi Jayanthi and Lal Bahddur Shastri Jayanthi and Swchatta Andolan , a programme on the theme “Plastic Free India” .	02 – 10 - 2019	152
“Electrol Verification Programme” for Faculty members and Students to make aware of Change of Name, Address Photo and also new enrolment for getting new Voter ID by giving presentation and also make them use Mobile App - Voter Helpline , in association with Election commission of India, Davangere.	08-10-2019 To 15-10-2019	320
“Project Exhibition Programme - Science Expo 2K19” , for the First year B.E. Students was conducted on the eve of “World Students’ Day , in commemoration with Birth day celebrations of Dr. A.P.J. Abdul Kalam, Ex. President of India.	14-11-2019	600
“70th year of Indian Constitution Day” , was celebrated and Prof. Shanthika , Professor , R.L. Law College address the students	26 -11- 2019,	200
“Deepotsava” was organized on the eve of “64th Kannada Rajyothsava” by drawing the India Map, Karnataka Map and symbol NSS with colors and lighting the candles in the evening, inaugurated by the Principal and Director of the college	03-12-2019	200

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

1. Energy conservation

- ❖ This institution is designed in such a way that every room has proper ventilation and natural lighting so as to minimize the usage of electric lights, fans and air-conditioners during the day thus reducing consumption of electricity.
- ❖ Tube-lights and CFL bulbs are used inside the campus for bright light and lower consumption of electricity. It is also planned to introduce LED lights for further reduction in the consumption of electricity.
- ❖ Outdated equipments in the laboratories of all engineering disciplines in the

institute are being replaced with the latest equipments to avoid higher consumption of electricity.

- ❖ All computers, UPS backups and the electrical appliances are periodically inspected and serviced in order to maximize the efficiency of the appliances and minimize the power consumption.
- ❖ All the students and faculty members are instructed to utilize electrical power only when required.

2. **Use of Renewable energy**

- ❖ Food waste collected from institute boys' and girls' hostels is used to generate cooking gas in the hostel kitchens, through a biomethanation plant designed by Dept. of Mechanical engineering.
- ❖ Department of Chemical Engineering extracts Biodiesel from the paddy husk from and is being tested in small vehicles.
- ❖ Institute campus has solar street lights.
- ❖ Solar hot water facility is available for the students of both boys and girls hostel.

3. **Water harvesting**

- ❖ The gradient of the flow of the rain water is designed in such a way that all the rain water in the campus will be collected in one open well. This helps in recharging the ground water level in the bore wells of the institute.
- ❖ The drainage water inside the campus is redirected to one open pit so that it helps not only recharging the bore wells but also helps in recycling it for the growth of plants in the campus.

4. **Efforts for Carbon neutrality**

- ❖ All departmental buildings in the campus are surrounded by trees and lawns.
- ❖ A strict ban is imposed on the usage of cigarettes and tobacco products within the campus.
- ❖ Strict directions are given to the staff and students to park their vehicles in the indicated parking areas.
- ❖ All CRT monitors have been supplanted with LCD and LED monitors.
- ❖ Dead leaves and waste papers are not allowed to be put on fire in the campus. These are converted into vermicompost.
- ❖ Proper maintenance of air conditioning systems, employing solar hot water systems, use of electricity only when required, encouraging students to use public transport system are some of the efforts in the direction of carbon neutrality. The institute gives priority for growing trees in the campus. Water supply for plantation in the campus is planned in such a way that trees and lawns receive sufficient water throughout the year. The institute has a nursery to grow fruit and flower bearing plants. Generally whenever dignitaries visit the campus, they plant a sibling as a mark of their visit to the institute.

5. **Hazardous waste management**

- ❖ Biodegradable waste produced by departments of Chemistry, Chemical, Biotechnology and from campus hostels is collected at one place and red soil is spread over this to convert this into effective manure to be used for existing and new plants in the institute. Non biodegradable waste in the form of plastics, rusted steel and used papers and books will be disposed for recycling purposes

6. **E-waste management**

- ❖ Outdated equipment and laboratory consumables from various departments of the institution are collected in one store room and will be disposed at the end of every year. E-waste is collected in a container and disposed of at the end of every year to the vendors of electronic equipment. Outdated computers are sent to schools run by BEA for reuse.

7.2 Best Practices

Best Practice-I

Title of the Practice: Project based learning and product development activities with industry interface.

Goal: Promote innovative thinking among students and faculty through their participation in industry related projects; blending technical skill development activities with the academics to enhance their employability / entrepreneurial rating; carry out product/process development to cater to the needs of the industry and society.

Context: There is a growing feeling that the output of the technical institutions in general is not meeting the industry requirements. There is a yawning gap between the quality of the output and the needs of the industry. On one hand, according to All India survey conducted by Aspiring Minds, only 16% to 20% of the engineering graduates are employable. On the other, there is growing demand for engineering professionals and the demand can be to a tune of 500 million in the next decade.

Skill shortage remains one of the major constraints to the continued growth of Indian economy. Based on detailed surveys conducted by various bodies, on the basis of the skill factor analysis, it is said that employers perceive soft skills (core employability skills and communication skills) more important than professional skills. It is stated that higher order thinking skills are severely lacking in technical graduates coming out of engineering institutions.

BIET has to deliver the above said attributes in order to make an impact on the engineering educational map of India. The management has decided to inculcate innovative thinking and promote entrepreneurial qualities to enable our students to utilize those opportunities available to them. A systematic way of implementing these parameters has been followed in all engineering departments and the results obtained are highly encouraging.

Teachers have to be motivated to keep themselves abreast of the technological advancements and participate in active research along with students. This kind of teaching learning environment can be highly beneficial to the institute.

Best Practice-II

Title of the practice: Counseling and skill development programs for students.

The students joining BIET are more often from rural background and need assistance to improve their learning skills, communications skills, technical skills and personality developments. With this objective in mind, the student-teacher interface is strengthened through monitoring of both teachers and students.

Goal: Primary objective of this practice is to create a conducive teaching-learning environment enabling both students and teachers to deliver their best. Students counseling should create confidence in them and should equip them to face the academic challenges in an efficient way.

Context: The management is committed to provide the best possible education to its students. BIET has understood the importance of imparting a broad based education through which one can stand on one's own legs and contribute meaningfully to the development of science and technology in particular and society in general.

7.3 Institutional Distinctiveness

Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust

Provide the weblink of the institution in not more than 500 words

The present focus of the institute is to improve the laboratory infrastructure by bringing new industry relevant technology to enable higher level of learning in students, foster integrated learning by providing multiple industry relevant interfaces, enable students to take up industry relevant projects and encourage faculty to take up research in thrust areas.

There are forty seven doctorate faculty members in the institute and many of the faculty members have registered and pursuing research. Faculty members attend various workshops which in turn help them in self-growth and proper delivery of curriculum to students.

Eminent personalities from various industries are invited to the institute for delivering lectures and interacting with students. Some of the final year projects are carried out with the technical assistance from the industries. The institute regularly interacts and takes feedbacks from the industries. Experts from industries and other organizations work as evaluators in the technical activities organized by the institute.

The institute has environment friendly policies with regard to plantation, waste management, use of solar water heating system, use of renewable energy resources and water harvesting. A strict ban is imposed on the usage of cigarettes and tobacco products within the campus. Proper directions are given to the staff and students to park their vehicles in the indicated parking areas. Dead leaves and waste papers are not allowed to be put on fire in the campus. These are converted into vermicompost. Food waste collected from institute boys' and girls' hostels is used to generate cooking gas in the hostel kitchens, through a bio-methanation plant designed by Dept. of Mechanical engineering. The institute gives top priority for planting the trees. The institute has a nursery to grow fruit and flower bearing plants.

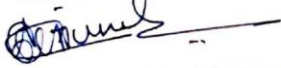
Thrust on Research and Development: Bapuji Institute of Engineering & Technology (BIET) has established research centres to carry out the research and innovation among the academia in the field of Science & Engineering. BIET puts great emphasis on research sustaining innovation and promote research culture among faculty and students in the institute.

The present focus of the institute is to improve the laboratory infrastructure by bringing new industry relevant technology to enable higher level of learning in students, foster integrated learning by providing multiple industry relevant interfaces, enable students to take up industry relevant projects and encourage faculty to take up research by providing ability to add customer logic. IBM has supported the activity with establishing Software Centre of Excellence. However, efforts are on the way to get state government assisted New Age Incubation Centre.

8. Future Plans of action for next academic year (500 words)

1. Institute has planned to go for NBA accreditation for all the departments in the different phases.
2. Institute is planning to train the faculty for the outcome based education as this is the need of the hour for all the engineering institutes as per the NBA requirements and CBCS syllabus prescribed by VTU.
3. Institute plans to encourage the faculty to improve their publications in refereed national and international journals.
4. It is proposed to improve ICT facilities in the institute by establishing ICT enabled classrooms, seminar halls and smart classrooms in all the departments.
5. Institute plans to introduce industry related training programmes for all the students in order to cater to the need based industry requirements.
6. It is planned to bring in improvements in student counselling/mentoring through progress reports, tutorials and extra coaching classes.
7. It is planned to improve alumni and parents meets in the institute.

Name Dr. Anila Kumar C.P.



Signature of the Coordinator, IQAC

Name: Dr. M. C. Nataraja



Signature of the Chairperson, IQAC

IQAC meeting held on 10-02-2020

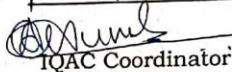
- Agenda: 1. Review of IQAC activities for the year 2018-19.
2. Approval of AQAR for the year 2018-19.

Minutes of the meeting:

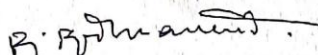
A meeting of the IQAC was held on 10-02-2020 at the board room of BIET. The members reviewed the activities of IQAC for the year 2018-19 and the quality initiatives to be undertaken for the academic year 2019-20. The committee approved the AQAR of 2018-19 to be submitted to NAAC.

IQAC members present:

Sl. No.	Name	Designation	Signature
1	Dr.M.C.Nataraja, Principal	Chairman	M.C. Nataraja
2	Prof. Y.Vrushabhendruppa, Director	Member	Y. Vrushabhendruppa
3	Dr. Anila Kumar C.P, Professor, Dept. of Civil Engg	IQAC Coordinator	Anila Kumar C.P
4	Dr. Kanakuppi Sadashivappa, Dean, Academics	Member	Kanakuppi Sadashivappa
5	Dr H. B. Aravinda, Dean, Student Affairs	Member	H. B. Aravinda
6	Dr. B .E. Rangaswamy, Dean, R&D	Member	Rangaswamy B.E
7	Dr. S. Kumarappa, Dean, Examination	Member	S. Kumarappa
8	Dr. M.S. Nagaraj, Dean, Placement	Member	M.S. Nagaraj
9	Dr. Nirmala, HOD, CS&E	Member	Nirmala
10	Dr.Kotturu Shettar, HOD,Mechanical, BVB College of Engg, Hubli	External Member	Dr. Kotturu Shettar


IQAC Coordinator

M.C. Nataraja
Principal


PRESIDENT
Bapuji Educational Association,
Davangere-2.

For Communication with NAAC

The Director

National Assessment and Accreditation Council (NAAC)

(An Autonomous Institution of the University Grants Commission)

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