



Yearly Status Report - 2017-2018

Part A

Data of the Institution

1. Name of the Institution	BASAVESHWAR ENGINEERING COLLEGE (AUTONOMOUS), BAGALKOT-
Name of the head of the Institution	Dr. R. N. Herkal
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	08354234204
Mobile no.	9448119490
Registered Email	becprincipal@yahoo.com
Alternate Email	injaganeri@gmail.com
Address	S.Nijalingappa Vidyanagar
City/Town	Bagalkot
State/UT	Karnataka
Pincode	587102

2. Institutional Status					
Autonomous Status (Provide date of Conformant of Autonomous Status)		01-Aug-2007			
Type of Institution		Co-education			
Location		Urban			
Financial Status		state			
Name of the IQAC co-ordinator/Director		Dr.C.M.Javalagi			
Phone no/Alternate Phone no.		08354234204			
Mobile no.		9448751788			
Registered Email		cmjavalagi@gmail.com			
Alternate Email		cmjip@becbgk.edu			
3. Website Address					
Web-link of the AQAR: (Previous Academic Year)		http://www.becbgk.edu/downloads/IOAC/IOAC/Brief%20about%20IOAC.pdf			
4. Whether Academic Calendar prepared during the year		Yes			
if yes,whether it is uploaded in the institutional website: Weblink :		http://becbgk.edu/downloads/Academic%20Calender-2017-18.pdf			
5. Accrediation Details					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	A	3.34	2017	27-Nov-2017	26-Nov-2022
6. Date of Establishment of IQAC			05-Apr-2017		
7. Internal Quality Assurance System					
Quality initiatives by IQAC during the year for promoting quality culture					
Item /Title of the quality initiative by IQAC	Date & Duration		Number of participants/ beneficiaries		

Academic audit Conducted as per NAAC peer committee recommendations	25-May-2018 2	206
No Files Uploaded !!!		

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

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Institution	TEQIPIII	World Bank	2017 3	70000000
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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View File](#)

10. Number of IQAC meetings held during the year :

1

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

Yes

Upload the minutes of meeting and action taken report

[View File](#)

11. Whether IQAC received funding from any of the funding agency to support its activities during the year?

No

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

I. Restructuring of the curriculum based on needs of industry II. Integration of different delivery modes to enhance the quality of teaching learning processes III. To incorporate Industrial Safety and International standards as part of curriculum IV. To prepare a blue print for industry institute interaction within 6 months and circulate to all departments for incorporation V. To initiate awareness programmes for students to write competitive examinations VI. To prepare and implement Green foot print mapping of the campus

[View File](#)

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

Plan of Action	Achievements/Outcomes
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Academic Audit	Blue print for research
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14. Whether AQAR was placed before statutory body ?	No
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2017
Date of Submission	24-Mar-2017
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	BEC Bagalkot introduced e-governance ERP Software on 13th April 2015 to automation of Academic, Library, Finance, payroll etc. modules. This was procured under TEQIP -II by Masters Software Nagpur Maharashtra. E-governance ERP provides a total online solution for professional college campus administration. SMS and email alert services for students and faculty members are inbuilt within ERP software.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

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

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BE	IP	Industrial and Production Engineering	30/06/2018
BE	ISE	Information Science and Engineering	06/01/2018
BE	EE	Electrical and Electronics Engineering	07/07/2018
BE	CSE	Computer Science and Engineering	12/07/2017

Mtech	CSE	Computer Science and Engineering	12/07/2017
BE	E&C	Electronics and Communication Engg	07/07/2018
MCA	MCA	Computer Applications	30/06/2018
BE	BT	BIOTECHNOLOGY	12/07/2017
BE	CV	Civil Engineering	07/07/2018
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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BE	Information Science and Engineering	30/06/2018	Advanced Java Programming, Big Data Analytics	30/06/2018
BE	Electronics and Instrumentation Engineering	01/07/2017	Fundamentals of Quantitative Aptitude and Soft Skills, UHS001N	01/07/2017
BE	Electronics and Instrumentation Engineering	01/07/2017	Advanced Quantitative Aptitude and Soft Skills, UHS002N	01/07/2017
BE	Electronics and Instrumentation Engineering	01/07/2017	Career Planning and Professional Skills, UHS003N	01/07/2017
BE	Electronics and Instrumentation Engineering	01/07/2017	Professional Communication and Technical Writing, UEI754H	01/07/2017
BE	Electronics and Instrumentation Engineering	01/07/2017	Entrepreneurs hip Development, UEI355H	01/07/2017
BE	Electrical and Electronics Engineering	07/07/2018	Solar Photovoltaic System Design UEE741E	07/07/2018
BE	Electronics and Communication Engg	01/08/2017	Advance C Programming- UEC326CTL, Human Resource Management- UEC325C	01/08/2017

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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Civil Engineering	01/08/2017
Mtech	Environmental Engineering	01/08/2017
Mtech	Structural Engineering	01/08/2017
Mtech	Geotechnical Engineering	01/08/2017
BE	Automobile Engineering	01/08/2017
BE	Biotechnology	01/08/2017
BE	Computer Science Engineering	01/08/2017
Mtech	Computer Science Engineering	01/08/2017
BE	Electrical & Electronics Engineering	01/08/2017
Mtech	Power & Energy Systems	01/08/2017
BE	Electronics & Communication Engineering	01/08/2017
Mtech	Digital Communication	01/08/2017
BE	Electronics & Instrumentation Engineering	01/08/2017
BE	Industrial & Production Engineering	01/08/2017
BE	Information Science & Engineering	01/08/2017
BE	Mechanical Engineering	01/08/2017
MBA	Management Studies	01/08/2017
MCA	Master of Computer Application	01/08/2017
Mtech	Machine Design	01/08/2017
Mtech	Production Technology	01/08/2017

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
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Engineering Technology and Management	12/07/2017	101
Business communication Technical Writing	12/07/2017	104
Professional Skill Development	24/09/2017	104
INDUSTRIAL ENGINEERING AND MANAGEMENT	01/08/2017	142
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Instrumentation	2
BE	Mechanical and Electrical Engineering	9
BE	Computer Applications	20
BE	Biotechnology	12
Mtech	Structural Engineering	16
Mtech	Geotechnical Engineering	18
Mtech	Environmental Engineering	17
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained
<p>At the end of every semester feedback is collected through an online process system from the students. The suggestions are analyzed by the concerned HOD. Every question has a weightage up to 10 points. Based on the average points accrued for all the questions the faculty performance level is assessed. The performance of the teacher is graded as below: More than 8 points :Excellent From 6 to 8 :Good From 5 to 6 :Average Below 5 :The teacher is subjected for any corrective measures as decided by Head of the Department System of reward: Performance rating of faculty through student feedback system is one of the factors in evaluating the annual performance of the faculty. Based on the feedback received from the students the faculty is rewarded by issuing a letter of appreciation from the Head of the Department during the annual day function of the department. Corrective Measures: i) Faculty • The teachers who secure a grade less than 5.0 are counseled by the HOD on how to improve the teaching</p>

learning process. Both study the metrics and the method for effective teaching is charted out, for improvement. • Continuing education programs are conducted for the faculty. • The faculty is deputed for training in their subject domain. ii) Students: Counseling is done for identified weak students. Remedial classes are conducted. iii) Course contents: If suggested by the faculty the modification of the course contents is thought and discussed in the faculty meetings and carried to the consent of BOS. The most common source of input to teaching evaluation is feedback from students. Appraisal and feedback have a strong positive influence on teachers and their work. Feedback system has increased teachers job satisfaction.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BE	Civil Engineering	120	120	115
BE	Mechanical Engineering	120	120	116
BE	Electrical and Electronics Engineering	60	60	55
BE	Computer Science and Engineering	90	90	89
BE	Industrial and Production Engineering	30	30	22
BE	Electronics and Communications Engineering	120	120	105
BE	Electronics & Instrumentation Engineering	30	30	28
BE	Automobile Engineering	30	30	18
BE	Information Science and Engineering	90	90	81
BE	Biotechnology	30	30	20
Mtech	Structural Engineering	18	18	15
Mtech	Geo Technical	18	18	17
Mtech	Environmental Engineering	18	18	12
Mtech	Production Technology	18	18	7
Mtech	Machine	18	18	10

	Design			
Mtech	Power and Energy Systems	18	18	8
Mtech	Computer Science & Engineering	18	18	16
Mtech	Digital Communication	18	18	10
MCA	Master of Computer Applications	60	18	17
MBA	Master of Business Administration	60	60	59
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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2017	2984	375	167	41	30

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
208	156	2	35	5	9
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2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Type of mentoring: Professional guidance/career advancement/course work specific/ laboratory specific/total development: Total development (Mentoring covers all types of guidance) Number of faculty members : All the faculty in each programme Number of students per mentor : 10 students from each year Frequency of meeting : Scheduled once in every 15 days and also need based In each program every faculty is assigned 10 students in an academic year. The students interact with the faculty advisor at least once in 15 days. This also facilitates the preregistration guidance and enables students to take right courses and appropriate electives. The faculty encourages the students to discuss their ideas and problems in person. The faculty keeps track of the attendance and progress of the students assigned to him. All the details of the students are maintained by the faculty. The same information is reported to the HoD/Principal along with necessary measures taken. They also provide advice on career matters. This has created a healthy and congenial atmosphere on the campus.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
3314	208	1:16

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
230	208	22	3	74

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2017	Dr.R.N.Herkal	Principal	Best Teacher Award by BVV Sangaha
2018	Dr.S.H.Jangamshetti	Professor	Best Teacher Award Institute of Scholars (InSc) in recognition of valuable contribution to the academic community and the students
2017	Dr.S.H.Jangamshetti	Professor	Outstanding Engineer Award
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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
No Data Entered/Not Applicable !!!				
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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
139	3131	4.44

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)

www.becbqk.edu

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the	Number of students passed in final year	Pass Percentage
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			final year examination	examination	
No Data Entered/Not Applicable !!!					
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2.7 – Student Satisfaction Survey

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

[Student Satisfaction Survey is conducted by NPIU of TEQIP-III and the data is shared with college for further improvement.](#)

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

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

No
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3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
No Data Entered/Not Applicable !!!				
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3.2 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Students Research Projects (Other than compulsory by the University)	3	AICTERPS	10.72	10.56
Any Other (Specify)	1	KSBDB	9.33	9.33
Any Other (Specify)	1	PMKVY	1.94	1.94
Any Other (Specify)	2	KBITS	162	85
Any Other (Specify)	3	AICTERPS	10.72	10.72
Any Other (Specify)	3	AICTERPS	5.76	5.76
Students Research Projects (Other than compulsory by the University)	1	KSCST	0.14	0.14

Major Projects	3	KCTU, DIC, Gov. of Karnataka	78.4	28
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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

1

3.3 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Human Skills development	Mechanical Engineering	23/09/2017
SMAC Advances in New Technology	Computer Science and Engineering	23/11/2017
Attitude and Personality for Placement	Computer Science and Engineering	16/10/2017
Advancements in Computing	Computer Science and Engineering	18/09/2017
Sensor Networks	Computer Science and Engineering	04/01/2018
Automobile Mechanics and IC Engine Design	Mechanical Engineering	06/01/2018
Entrepreneurship Development Skills and its Scope In India	Mechanical Engineering	18/10/2017
SDP Quality control and Assurance	Biotechnology	15/04/2018
Industrial safety In Food Industry, Introduction of computational Biology	Biotechnology	15/09/2017
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3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Faculty Inspire Award2017	Dr. Sanjeevakumar M.Hatture	Infosys Campus Connect Programme, Managaluru	30/06/2017	Teacher
Secured 2nd prize in ADVITIYA17 in Paper Presentation	Ms. Deepak Kulkarni	K.L.E College of Engineering and Technology, Hubli	06/10/2017	Student
3rd prize on Biowaste into activated	Suman H Malagar, Swati Gavimath	Agastya Foundation	28/02/2018	Student

charcoal

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
1	New Age Incubation Network	KITS, GOK	EURO VOYAGES	IT	15/11/2017
2	Dew Mobility	Self	Dew Mobility	Services	15/11/2017

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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Computer Science and Engineering	1
Industrial and Production Engineering	3
Information Science and Engineering	1
Electronics Electrical Engineering	2
Mechanical Engineering	7
Biotechnology	1
Civil Engineering	3

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Information Science and Engineering	7	1.5
International	Electronics and Instrumentation Engineering	4	4
International	Mechanical Department	38	0
International	Computer Applications	4	3.92
International	Biotechnology	5	3
International	Civil Engineering	3	6.87

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

Department	Number of Publication
Computer Science and Engineering	19
Electronics and Instrumentation Engineering	1

Electronics and Communication Engg	16
Biotechnology	4
Civil Engineering	6
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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
Process of Purification of Glycerin	Published	41034620	28/09/2017
Soap Preparation using organic Waste for animal use to remove body pests like tiks	Published	41034621	28/09/2017
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3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Hand Geometry Based User Identification Using Minimal Edge Connected Hand Image Graph	Shanumuk happa A Angadi, Sanjeevakumar M Hatture	IET Computer Vision, pp.19, 2018. ISSN: 17519640 DOI: 10.1049/ietcvi.2017.0053	2018	1.648	Basaveshwar Engineering College, Bagalkot	3
Content based Image Retrieval based on Colour, Texture and Shape features	V. B. Pagi, Shrutidevi Patil and Basavaraj Patil	International Journal of Advanced Research in Engineering, Science and Technology (IJAREST)	2017	0	Basaveshwar Engineering College, Bagalkot	0
Braille to Speech Conversion using Seam Carving Algorithm	V. B. Pagi and Pooja Desai	International Journal of Advanced Research in Engineering, Science and Technology	2017	0	Basaveshwar Engineering College, Bagalkot	0

		(IJAREST)				
Separation of Pollutions from Pulp Mill Waste Water by Electrocoagulation	Dr. C. B. Shivayogimath	International Journal of Energy, Technology and Policy	2017	0	Basaveshwar Engineering College, Bagalkot	0
Comparison of moisture and fracture damage resistance of hot and warm asphalt mixes containing reclaimed pavement materials	S. F. Chitragar	Science direct Elsevier Construction and Building Materials	2017	0	Basaveshwar Engineering College, Bagalkot	0
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3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Seismic Performance of Buried Pipelines Under Different Soil Conditions.	Dr. Santosh M Muranal ,	Journal of The Institution of Engineers (India): Series A	2018	1	1	Basaveshwar Engineering College, Bagalkot
Laboratory performance of Recycled Asphalt Mixes containing wax and chemical based Warm Mix Additives using Semi	S.F.Chitragar	Construction and Building Materials	2018	2	3	Basaveshwar Engineering College, Bagalkot

Circular Bending and Tensile Strength Ratio tests						
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3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	0	2	2	3
Attended/Seminars/Workshops	3	3	9	6
Attended/Seminars/Workshops	3	1	0	0
Presented papers	3	1	0	0
Attended/Seminars/Workshops	7	0	0	0
Attended/Seminars/Workshops	3	0	0	0
Attended/Seminars/Workshops	1	1	0	0
Attended/Seminars/Workshops	10	2	0	4
Attended/Seminars/Workshops	0	0	2	2
Attended/Seminars/Workshops	4	2	0	0
Presented papers	4	2	0	0

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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Automobile Engineering	Motor Driving School	BEC(A)	36650
Civil Engineering	Various Consulting Projects	BEC(A)	1433610
Mechanical Engineering	Calibration	BEC(A)	20740

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

Name of the	Title of the	Agency seeking /	Revenue generated	Number of trainees
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Consultan(s) department	programme	training	(amount in rupees)	
No Data Entered/Not Applicable !!!				
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3.6 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
PMKVY	BEC and Electronics and Automotive skill Sector, GOI	4	50
Clean Campus	BEC Bagalkot	5	90
Swatch Bharat	BEC Bagalkot	6	77
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3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
No Data Entered/Not Applicable !!!			
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3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agen cy/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
Awareness of Diabetes Mellitus	Matoshri Paravati bai Sonnad Clinic	Awareness camps	3	16
Swatch Bharat	BEC, Bagalkot	Clean Campus	63	1698
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3.7 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Internship	Students of REC, Bijnor	TEQIP	7
Collaborative PhD project with UHS Bagalkot	Pavan Dumbale	TEQIP	3
Collaborative PhD project with NCCS, Pune	Vikas C Ghattaragi	DBT	3
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3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Placement Training	Pre placement Training	ETHNUS, Bangalore	04/04/2018	08/04/2018	38
MOU	Project and Internship	PRDC Bengaluru	01/06/2018	30/07/2018	1
MOU	Project and Internship	Flexitron Bengaluru	01/06/2018	30/07/2018	2
MOU	Project and Internship	AG Electro services Karad, Maharashtra	01/06/2018	30/07/2018	1
Internship	project work	RIIIT, Mysore	01/01/2017	31/05/2017	9
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3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Infosys Ltd Bangalore	06/12/2017	Enrichment of Technical education and quality of education	103
KBITS	01/08/2017	Encourage Entrepreneurs	40
Gobal Edge Software Limited	01/08/2017	Placement Activities	48
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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
456	375

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Classrooms with LCD facilities	Newly Added

Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Classrooms with Wi-Fi OR LAN	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Seminar halls with ICT facilities	Newly Added
Laboratories	Existing
Laboratories	Newly Added
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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	Fully	4.3.3	2002

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Others(s pecify)	6000	0	150	0	6150	0
Text Books	98126	4002139397	1609	393196275	99735	4395335672
Reference Books	32709	1334046466	536	131065425	33245	1465111891
e-Books	13308	650000	0	0	13308	650000
Journals	163	450000	163	450000	326	900000
e- Journals	15300	1600000	15300	1600000	30600	3200000
Digital Database	10	1475500	10	1475500	20	2951000
CD & Video	5200	0	110	0	5310	0
Library Automation	1	85000	0	0	1	85000
Weeding (hard & soft)	0	0	0	0	0	0
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
No Data Entered/Not Applicable !!!			

No file uploaded.

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	835	27	650	1	6	70	15	100	0
Added	58	4	130	0	1	10	0	0	0
Total	893	31	780	1	7	80	15	100	0

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

100 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
0	0

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
60	59.42	140	134.35

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)

College has a development office and two faculty members have been designated as development officers, one for overseeing the maintenance of buildings and classrooms and the other officer for campus HT infrastructure and electrical maintenance. Initiatives undertaken: # Campus Green Initiatives - Tree plantation and gardening # Rainwater Harvesting # Regular repairs and maintenance of buildings and laboratories # Maintenance of college furniture, like desks, cupboards, chairs, etc. # Providing pavers in front of departments and other important locations to improve the ambience. # Class room ambience is improved by with proper lighting and paintings # Old floorings in the class rooms are replaced with granite flooring # Black boards are replaced with green ceramic boards to create dustless environment in the class rooms # 12 Silent generators (Three of 45 kVA, Four of 82.5 kVA for Academic area and 50 kVA 70 kVA for Boy's hostel and one of 40 kVA Two of 30 kVA for Girl's Hostel) are installed in the campus to avoid noise pollution # All HT installations are provided with proper safety fencing # Fire extinguishers are refilled at regular intervals # RO units for safe drinking water are provided in all departments and important locations. These are maintained regularly # Swatch Bharat Abhiyaan? was conducted to maintain clean campus.

[all the details are available on www.becbgk.edu](http://www.becbgk.edu)

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
No Data Entered/Not Applicable !!!			
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Soft skill development	01/07/2017	60	Ethnus, Bangalore
Bridge course Mathematics	01/08/2017	6	Internal faculty
Yoga	01/07/2017	30	Internal faculty
Personal Counselling and Mentoring	01/08/2017	90	Internal faculty
ADVANCED MATHEMATICS I, UMA300M	01/08/2017	38	0
ADVANCED MATHEMATICS II, UMA400M	01/01/2018	38	0
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2017	Ethnus Training	450	250	4	364
2018	Ethnus Training	450	250	4	364
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
4	4	15

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of	Number of	Number of	Name of	Number of	Number of

organizations visited	students participated	stduents placed	organizations visited	students participated	stduents placed
No Data Entered/Not Applicable !!!					
View File					

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

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2017	1	BE (CSE)	Computer Science and Engineering	Dayananda Sagar college of Engineering, Bangalore	M.Tech. (CSE)
2017	1	BE (CSE)	Computer Science and Engineering	Ballari Institute of Technology and Management College, Bellary	M.Tech. (CSE)
2017	1	BE AU	Automobile	RV college of engineering Bengaluru	Computer Integrated M anufacturing
2017	1	BE AU	Automobile	BMS college of engineering Bengaluru	Manufactur ing science and engineering
2017	1	BE AU	Automobile	Bapooji institute of engineering and technology Davanageri	Machine Design
2017	1	BE AU	Automobile	BEC BGK	Machine Design
2017	1	BE (ISE)	ISE	Audencia Business School	IMM
2017	1	BE (ISE)	ISE	Audencia Business School	IMM
2017	6	BE (EEE)	EEE	MIT Manipal, NIE Mysore, BEC Bagalkot, BVB Hubli,	M.Tech
2018	1	BEC	Mechanical Engineering	BMS College of Engineering, Bangalore	M.Tech in Manufacturin g Science

2018	3	BEC	Mechanical Engineering	Basaveshwar Engineering College, Bagalkot	M.Tech in Production Technology
2018	3	BEC	Mechanical Engineering	Basaveshwar Engineering College, Bagalkot	M.Tech in Machine Design
2017	5	BEC	Biotechnology	MSRIT, Bangalore, Basaveshwar Engineering College, Bagalkot	MBA, PG Diploma, BISEP
2018	2	BE	Civil Engineering	Basaveshwar Engineering College, Bagalkot	Structural Engineering
2018	3	BE	Civil Engineering	Basaveshwar Engineering College, Bagalkot	Geotechnical Engineering
2018	2	BE	Civil Engineering	Basaveshwar Engineering College, Bagalkot	Environmental Engineering
2018	3	BE	Civil Engineering	RAASTA	Transportation Engineering
2018	2	BE	Civil Engineering	VTU	Construction Management
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	1
No file uploaded.	

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

Activity	Level	Number of Participants
No Data Entered/Not Applicable !!!		
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5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international

level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
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No Data Entered/Not Applicable !!!

[View File](#)

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

Besides curricular activities, students are engaged in co-curricular and extracurricular activities. This is normally done by students associations/Council and student chapters at various department levels and the college Gymkhana. Co-curricular and extra-curricular activities provide opportunities for students to explore new fields of interest, cultivate leadership skills, and build teamwork qualities. All the students participate in a wide-range of activities which currently include the publishing of weekly news letter, developing, nurturing artistic skills. Participation in technical contests viz. quizzes, paper presentation contests, project exhibitions etc. Most of these activities are initiated by the students and are engaged in developing a dynamic culture, fostering collaboration and cooperation on campus. Co-curricular activities: #Each department has a student association/chapter. Every year the co-curricular activities will be organized through these associations. By participating in co-curricular activities students continue to apply the academic knowledge learnt in the classroom to enhance their individual traits. # All departments have a student association/Council for example Civil department Association of Civil Engineers (ACE), Mechanical Engineering department Mechanical Engineering Association (MEA). # Students are part of Board of Governors (BOG) , Academic Council (AC), Board of Studies (BOS) of respective departments.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

BECAA The Basaveshwar Engineering College, Bagalkot established the Alumni association under the government society act as BECAA (Basaveshwar Engineering College Alumni Association) in the year 2001. The body has 11 directors and 5 office bearers along with more than 500 Alumni members. President : Principal Vice president : Shri S. B. Satyanarayan. Secretary : Prof. R T Patil. Joint Secretary : Shri Srinivas Chebbi Treasurer : Prof. M. B. Wali.

5.4.2 – No. of registered Alumni:

500

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

0

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)

a) Majority of the decisions within the department are made by the respective heads of the departments. b) A core team comprising of senior faculty members lead the major processes in the institute to see that all the processes are intact. c) A core team comprising of senior faculty members lead the major processes in the institute to see that all the processes are intact. The list of faculty members incharge of various committees / responsibilities 1. Dr. S. S. Injaganeri TEQIP Coordinator 2. Dr. Mahabaleshwar S.K TEQIP Nodal officer (Procurement) 3. Dr. S.G.Kambalimath TEQIP TEQIP Nodal officer (Finance) and Nodal officer (EAP) 4. Dr. C. M. Javalagi TEQIP Nodal officer (Academics) 5. Prof B. S. Haravi TEQIP Nodal officer (Civil Works) 6. Dr. S. S. Balli Placement officer 7. Prof. B. S. Haravi Development officer 8. Dr. Smt. D. S. Jangamashetti IEEE Student Branch 9. Dr. Mahabaleshwar S.K Gymkhana Chairman 10. Dr. R. L. Naik Twinning COordinator 11. Dr. M. S. Kakkasgeri Campus Networking 12. Dr. S. S. Injaganeri Public Relation Officer 13. Dr. Smt D. S. Jangamashetti Women Development 14. Dr. S. H. Jangamshetti Coordinator PG Studies 15. Dr. V. S. Puranik Entrepreneurship Development Cell 16. Dr. Srikant Karkun Librarian 17. Dr. P. I. Timmangoudar Warden (Boys Hostel) 18. Sri M. M. Japagal Warden (Boys Hostel) 19. Dr. Mahabaleshwar S. K. Warden (Boys Hostel) 20. Shri. C. M. Veerendrakumar Warden (Boys Hostel) 21. Dr. A. V. Sutagundar Warden (Boys Hostel) 22. Sri Brijmohan Vyas Warden (Boys Hostel) 23. Dr. V. S. Soragavi Warden (Girls Hostel) 24. Smt Nanda P. Warden (Girls Hostel) 25. Dr. J. D. Mallapur Warden (Girls Hostel) 26. Smt S. S. Badami Warden (Girls Hostel)

d) Delegation of Financial Powers is as shown below:

Functionary	Financial Powers (up to Rs)	Limit for Consumables (Rs)	Limit for Non Consumables (Rs)
Head of the Institute	20,00,000	2,50,000	15,00,000
Head of the Department	1,00,000	10,000	90,000
Dean	1,00,000	10,000	80,000
Other Professor	50,000	5,000	40,000
Associate Professor	25,000	5,000	15,000
Assistant Professor	20,000	3,000	15,000

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Curriculum Development	<p># Each department has formulated vision and mission which are consistent with the vision and mission of the institution. The departments have defined Programme Educational Objectives (PEO) and Programme Outcomes (PO) for all academic programmes consistent with their respective vision and mission. The Programmes are based on the core value of "Work is Worship" and adhere to Quality Policy.</p> <p>#Level01_Department: HoD faculty interact with stakeholders and collect feedback. Several meetings at department level are held to analyze the feedback collected. An outline of the scheme is designed upon deliberations. A draft copy of the curriculum is developed. #Level02_BoS: The draft copy of curriculum is</p>

presented before the "Board of Studies" (BoS) for scrutiny. The syllabus is discussed in detail and necessary modifications, if any, are incorporated. The final copy of curriculum is submitted by BoS Chairman to Academic Council (AC) for approval.

#Level03_AC: Final draft copy of the curriculum is examined and modifications, if any, are suggested to BoS. The final copy of curriculum is submitted to BoG for approval.

#Level04_BoG: The Board of Governors reviews the curriculum and approves it for implementation.

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

E-governance area	Details
Student Admission and Support	Students admissions are carried out through ERP and all information related to students admission and other aspects are maintained in a database which will help in retrieving the needy information.
Planning and Development	<p>Strategic plan of the institution is approved by the Board of Governors(BOG) and Governing Council (GC).</p> <ul style="list-style-type: none"> • Long term development plan are approved for institution by BOG and GC • Department wise vision, mission, and long term development plans are devised and the documents are submitted to NPIU as IDP • Board of governors (BOG) is constituted on 24.06.2011 • Departmental level annual budgets are prepared by respective departments. • Annual budget of the college is prepared and approved by GC and BOG. • BOG regularly meets to review the progress and it has met times 8 since 1.04.2017 inception on the following dates. • Resource centric approach is adopted for SWOC analysis (Strengths, Weaknesses, Opportunities, and Challenges) to evolve a comprehensive strategic plan for institutional development. The five resources are Human, Organizational, Technological Infrastructural, Relational and Financial. Strengths and Weaknesses are considered as internal while Opportunities and Challenges as external. • Internal Quality Assurance Cell(IQAC) is in place for realization of the goals of quality enhancement and sustenance • IQAC channelizes the efforts and measures of the institution

towards promoting holistic academic excellence • Academic audit is carried to monitor the academic and administrative processes in the institution • Every faculty is assigned 1520 students for counseling and monitoring performance. • Project Evaluation Committee (PEC) consisting of Principal, HOD, Principal investigator and finance officer at college level is formed for monitoring effective efficient utilization of financial grants from external agencies. • Care and diligence in maintenance and review of academic records at faculty level • Complete and accurate records of fixed assets to be maintained • Office staffs are trained in written communication, DTP, Office/academic record keeping etc.

Administration

Governing Body has clearly specified the roles and responsibilities for establishing and monitoring the effective system • Accountability is created at all levels of institutional management structure • Financial powers have been delegated to people at lower levels of organizational hierarchy. • Procurement committee meetings are held and proceedings are recorded • Academic committee meetings are held (Academic Council at college level and Board of Studies of each department) to review the progress of academic performance

Finance and Accounts

College has adopted ERP and the finance and accounts are managed by e-governance methods. All accounting systems are carried out through well designed and managed by ERP.

Examination

Since inception of Autonomy (A.Y 200708), the examination work has been automated. A dedicated software development team is responsible for implementing the software. The software is being developed as intranet Webbased application. JAVA, MySQL, Crystal Reports are tools used for the development of user interfaces, database and report generation. The following modules are implemented as per the autonomy guidelines of VTU. • Administrator Module: The module is used only by Administrator of the entire exam section. It is used for creation of login credentials for HOD's and faculty for various modules and Lots of settings are also carried out

by admin like database settings, odbc settings, IP configuring etc.,

- Registration Module: This module is used for online registration of subject offered by the department, faculty handling and also registration of subjects by the student.
- CIE Module: ? In this module admission tickets for CIE tests are generated for the students. ? This module also used for entry of CIE marks (like tests marks, assignment marks, laboratory marks etc.) by the concerned subjects handling faculty using login credentials. ? Online Dropping and Withdrawal of subjects is carried out using this module.
- Student Feedback Module: This module is used to collect online feedback from students for each faculty handling the subject.
- SEE Module: ? In this module admission tickets for Semester End Examination are generated for the students. ? From A, From B and block arrangement reports are generated using this module. ? Online absent entry is carried out using this module. ? SEE marks are entered using double entry system to avoid mistakes during entry of marks. ? Online application for applying Challenge Valuation and Photo Copy of scripts. ? online coding, marks entry and decoding of SEE theory answer scripts are being carried out in this module This is introduced from the academic year 201718.
- Results Module: This module is used to process the results after the completion of marks entry and verification. ? Grade and Grade points assignment. ? Calculation of SGPA CGPA. ? Announcing the results on the web site. ? Generating various reports like results sheets, result analysis, provisional result sheets, PDC, Grade cards, Transcripts etc, are part of this module. ? Final Degree awarding and reporting as per required format of VTU, Belagavi.

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
No Data Entered/Not Applicable !!!				

[View File](#)

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

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2017	Workshop on Sensor Networks	nil	08/01/2018	09/01/2018	25	0
No file uploaded.						

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
No Data Entered/Not Applicable !!!				
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
3	0	14	0

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
25 percent discount on medical expenses for faculty and their family members, 2) Quarters for faculty	1. 25 percent discount on medical expenses for staff and their family members, 2) ESI facility for staff, 3) Quarters for Staff, 4) PF for Staff	1. 25 percent discount on medical expenses for students, 2) Scholarships for meritorious students

6.4 – Financial Management and Resource Mobilization

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

YES The institute regularly conducts the internal financial audits and external financial audits regularly by Chartered Accountants. Director of Technical Education, Government of Karnataka conducts financial and other audits ularly. regraditThey provide audited report which are discussed in various governing bodies like Governing Council (GC) and Board of Governors(BOG).

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Revenue Income	3979020	Gymkhana, News paper

expenditure purpose etc

[View File](#)

6.4.3 – Total corpus fund generated

41698314

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	Faculty form IIT	No	Nil
Administrative	No	Nil	No	Nil

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

1. To familiarize the parents with the college, department and faculty members
2. To make the parents aware about the rules and regulations
3. To exchange ideas for mutual benefit

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

1. Deputation of staff for technical training programmes

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

1. Elective courses offered to students by Industry and HAL personnel
2. Internship to students provided
3. Online courses viz. MOOCS/NPTEL/SWAYAM considered in curriculum and 1 to 3 credits awarded
4. Accreditation by other bodies like QS IGauge

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
No Data Entered/Not Applicable !!!					
No file uploaded.					

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
No Data Entered/Not Applicable !!!				

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

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

1. Energy conservation: All department buildings are separately constructed such that sufficient day lighting is used. # Lighting fixtures use either CFLs or tube lights # The campus has HT distribution network with 7 HT transformers located near the load centers to better transmission efficiency #The HT distribution network is monitored through SCADA for Distribution Automation for energy management # Illumination laboratory is established to conduct experiments and demonstration of energy conservation in lighting systems # Energy audit is conducted through UG/PG projects # Energy conservation awareness programs are regularly conducted 2. Use of renewable energy # Windsolar PV (400 W wind150 Wp solar) hybrid generating systems (6 nos.) are located on the rooftop of the college main building. -These systems power corridor lighting. # 1.5 kW wind aerogenerator, 150 W vertical axis micro wind turbine, 3.5 kW solar PV water pumping system are also located on the campus. # District level Energy Park is established on the campus for a live demonstration of use of renewable energy. Solar thermalBox Dish Cooker, water heater, dryer, still solar photo voltaic garden lighting, street lighting, water pumping, PV education kit are installed in the Energy Park. # Solar water heaters are used in Boys' and girls' hostel (4 nos.) # Biofuel Manufacturing facility with the help of Karnataka State Biofuel Development Board is established. The centre produces ecofriendly biodiesel of 2000 to 3000 liters/year which is used in college vehicles 3. Efforts for Carbon neutrality The campus does not have any major Green House Gas (GHG) emitting devices or processes. The percentage of CFC gasses released by the ACs(100 numbers) in campus, PM(2.5,10), NOx, SO2, CO, O3,Pb gases emitted by DG sets (5 Nos.) on the campus is negligible on 93.8 acres of campus with 2600 plants. In addition, the campus is nonsmoking zone. Energy Conservation and use of RES is actively practiced on the campus. 4. Plantation 2600 plants have been planted in association with Forest Department.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	5
Ramp/Rails	Yes	5
Rest Rooms	Yes	5

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2017	3	0	31/05/2017	3	Entrepreneurship Development, nt,	Development of Entrepreneurship in Local region	3
2018	3	2	05/01/2018	3	Sewing Machine Operation	Woman Empowerment	4

7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Induction Programme at COEP, Pune	27/11/2017	The subject of Human Values and ethics is part of the Induction Programme and is benefited by all students. Faculty have been trained by TEQIP for teaching human Values and Ethics
Faculty Induction Programme at IIT Bombay	28/11/2017	Faculty attended the programme of HUMAN VALUES AND ETHICS at IIT Bombay

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
No Data Entered/Not Applicable !!!			
No file uploaded.			

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

Energy conservation \$ All department buildings are separately constructed such that sufficient daylighting is used. \$ Lighting fixtures use either CFLs or tube lights \$ The campus has HT distribution network with 7 HT transformers located near the load centers to better transmission efficiency \$The HT distribution network is monitored through SCADA for Distribution Automation for energy management \$Illumination laboratory is established to conduct experiments and demonstration of energy conservation in lighting systems \$Energy audit is conducted through UG/PG projects \$ Energy conservation awareness programs are regularly conducted Renewable Energy Resources \$ Windsolar PV (400 W wind150 Wp solar) hybrid generating systems (6 nos.) are located on the rooftop of the college main building. These systems power corridor lighting. \$ 1.5 kW wind aerogenerator, 150 W vertical axis micro wind turbine, 3.5 kW solar PV water pumping system are also located on the campus. \$District level Energy Park is established on the campus for a live demonstration of the use of renewable energy. Solar thermalBox Dish Cooker, water heater, dryer, still solar photo voltaic garden lighting, street lighting, water pumping, PV education kit are installed in the Energy Park. \$Solar water heaters are used in Boys' and girls' hostel \$Biofuel Manufacturing facility with the help of the Karnataka State Biofuel Development Board is established. The center produces eco-friendly biodiesel of 2000 to 3000 liters/year which is used in college vehicles

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

#Governance Reforms Student Representation in BoG, AC, and BoS #Curricular Reforms Introduction of Basic Engg. Lab at first year Workshop Practice #Examination Reforms Indigenous developed Examination Software External Audit of Examination Process #Academic Excellence Postgraduate students are sent to IITs and IISc for enhancing their teaching and research skills. The objective is to develop well-trained manpower for the engineering education sector, Top six meritorious students from each PG program are given monthly stipend on par with GATE students, Both UG/PG research-based projects are given financial

assistance of Rs.25000/ and Rs.50000/ respectively based on a selection process Senior faculty are deputed to IITs/IIMs/IISc for management capacity-building workshops, Younger faculty are deputed to IITs/IIMs/IISc for pedagogy and outcome-based education workshops, Seed Money: In house faculty who have registered for Ph.D. are provided with seed money to help them for their research #Research Publications To enhance the number of quality research papers in reputed journals Financial support to faculty members under TEQIP for publishing papers in paid journals It is mandatory for a faculty to present a technical paper Only TWO faculty members in each discipline are permitted to attend the conference Only 75 of the estimated budget is sanctioned prior to attending the conference The faculty need to share the knowledge amongst the fellow colleagues and students upon return #Funding student projects UG Students - Rs. 25000/ PG Students - Rs. 50000/ # RAs TAs TAs - Rs. 12000/ RAs - Rs. 24000/ Seed money - Rs. 1.5 lakhs # Incentives to Teachers Book Writing Developing Teaching Learning Resource Material Publication in Refereed Journals 75 of joining/renewal of membership of professional bodies 5 of the sanctioned research grant to faculty #IndustryInstitute Interaction Six Industry conclaves have been conducted #Quality Assurance External - NBA/ NAAC (ongoing)/ Feedback from stakeholders # Equity Assurance Remedial classes EAP programs

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

7.3 – Institutional Distinctiveness

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

The vision of the institute is to be recognized as a premier technical institute committed to developing exemplary professionals, offering research-based innovative solutions and inspiring inventions for Holistic Socio-Economic Development. The college has been placed in the rank band of 151 to 200 at All India Level by NIRF, MHRD, New Delhi. Provision has been made for promoting Innovative research by providing financial assistance to students and faculty. The research scholars are provided assistantship of Rs. 24000/pm and the innovative PG projects with Rs.50000/project. Thus, some of the innovative solutions developed to address common mans problem are i) Bow stick for blind for all purposes, ii) Coconut Pealer iii) Real-time urine testing

Provide the weblink of the institution

8.Future Plans of Actions for Next Academic Year

The college has an Institutional Development Plan (IDP) prepared in the year 201011, which is a 10-year roadmap to achieve academic excellence. IDP was strategically developed based on resource-centric methodology for SWOC analysis. The five resources are Human, Organizational, Technological Infrastructural, Relational and Financial. Baseline data of the college related to these resources was considered to evolve strategic objectives and key activities. Action plan to implement and attain the set targets to achieve academic excellence was also prepared. SWOC analysis of BEC was carried out with meticulous efforts of all stakeholders. A core committee consisting of Principal, HoDs three faculty members from each department participated in SWOC analysis. Mentoring from Department of Management studies, IIT Madras was sought to train the core committee for carrying out BEC SWOC analysis. More than 1000 person days of the BEC core committee were spent to evolve the IDP a) Teaching and learning •Faculty qualification upgradation by deputing them for higher studies to institutes of higher learning (IITs/IISc/NITs) •To provide training programs on use of modern

teachingaids in effective teaching b) Research and development •To increase the number of research centres •To increase the number of faculty members with Ph. D

c) Community engagement •Mobile water testing laboratory established by civil department •Ground water study in Upper Krishna Basin by Dept. of Civil Engg. •Tissue culture techniques developed by Biotechnology dept. are used by college Alumni to start up company named Vaikuntha Biotec d) Human resource planning and development •Financial assistance is provided for filing patents. •Seed money is provided to inhouse faculty who pursue Ph.D in RD centers of college. •Financial assistance is provided to faculty to attend present research papers in national and international conferences. e) Industry interaction •Faculty deputations to industry for research/ training •To organize executive meets regularly and nourish good relationship with industrialists •To motivate faculty to take up industry sponsored RD projects f) Internationalization •Faculty members are involved in collaborative teaching and research activities with foreign universities •Delegates/experts from foreign universities have visited the institutes on several occasions •Institute is organizing two international symposiums on 24th 25thfor IT stream and 27th 28th Feb 2017 g)To achieve 100 percent accreditation for UG And PG departments h)To get NIRF ranking i) To implement Strategic plan of the college .