Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**BASAVESHWAR ENGINEERING COLLEGE (AUTONOMOUS)**
Name of the head of the Institution	**Dr.S.S.Injaganeri**
Designation	**Principal(in-charge)**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**+917618781963**
Mobile no.	**9481528825**
Registered Email	**becprincipal@yahoo.com**
Alternate Email	**becprincipal@gmail.com**
Address	**S.Nijalingappa Vidyanagar Vidyagiri, Bagalkot-587102**
City/Town	**Bagalkot**
State/UT	**Karnataka**
Pincode	**587102**

2. Institutional Status

Autonomous Status (Provide date of Conformant of Autonomous Status)	12-Oct-2009
Type of Institution	Co-education
Location	Urban
Financial Status	state
Name of the IQAC co-ordinator/Director	Prof.M. M.Ganganallimath
Phone no/Alternate Phone no.	+917618781963
Mobile no.	9448693977
Registered Email	becbgkiqac@gmail.com
Alternate Email	mmgmath@gmail.com

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://www.becbgk.edu/IQAC/IQAC_Home.php

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	http://www.becbgk.edu/Documents/Calender_of_Events/2020_21.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-2018

7. Internal Quality Assurance System

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

IQAC			
Faculty Development Programme (FDP) on Six Sigma	06-Jul-2020 5		350
Implementation of AICTE Examination Reform policy	20-Jan-2020 3		170
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8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Basaveshwar Engineering College (A),	TEQIPI	World Bank	2004 2190	1416000
Basaveshwar Engineering College (A),	TEQIPII	World Bank	2012 1825	1657000
Basaveshwar Engineering College (A),	TEQIPIII	World Bank	2017 1460	847000
Department of Biotechnology	BRIDC (Bioenergy Research Information Demo Center)	KSBDB (Karnataka State Bioenergy Development Board), Bangalore	2019 365	400000
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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)	

Organised one week Faculty Development Program (FDP) on Six sigma.
Initiated Examination Reforms Policy (AICTE) for Quality Enhancement.

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

Plan of Action	Achivements/Outcomes
Initiated Examination Reforms for Quality Enhancement.	Faculty have started working towards Examination Reforms.
Organised one week Faculty Development Program (FDP)on Six sigma.	Students are preparing to seek jobs related to Six Sigma.
Initiated Academic Audit.	Gaining improvements in academic performance
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14. Whether AQAR was placed before statutory body ?	**Yes**

Name of Statutory Body	Meeting Date
BOG (Board of Governors)	28-Jul-2018

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	**2020**

Date of Submission	**28-Jan-2020**

17. Does the Institution have Management Information System ?	**Yes**

If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	**Basaveshwar Engineering College (A), Bagalkot introduced Egovernance management (ERP) Software on 13th April 2015 for automation of Academic activities, Library management, Finance, payroll etc. modules. This was procured from Masters Software, Nagpur Maharastra. Egovernance software 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. The college is also selected by NPIU, New Delhi under TRQIPIII and has provided SAMARTH ERP Software. SAMARTH stands for Smarter Automation Engine for Universities under National Mission in Education through ICT. This will help in managing the information of the college in a better way and the implementation part is under process.

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	CE	Civil Engineering	21/07/2020
Mtech	GE	Geotechnical Engineering	21/07/2020
Mtech	SE	Structural Engineering	21/07/2020
BE	EEE	Electrical and Electronics Engineering	01/08/2019
BE	IPE	Industrial and Production Engineering	04/07/2020
BE	ISE	Information Science and Engineering	13/06/2020
BE	AE	Automobile Engineering	11/07/2020
BE	BT	Biotechnology	20/12/2019
BE	EIE	Electronics & Instrumentation Engineering	11/07/2020
BE	CSE	Computer Science Engineering	15/06/2019
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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	ECE	02/01/2020	Java Programming (UEC622E)	02/01/2020

BE	ECE	02/01/2020	Career planning and professional skills (UHS003N)	02/01/2020
BE	EEE	01/08/2019	Network Analysis Laboratory UEE357L	01/08/2019
BE	CE	15/06/2019	Fundamentals of Quantitative Aptitude and Softskills (UHS001N)	15/06/2019
BE	CE	15/06/2019	Advanced Quantitative Aptitude & Soft Skills (UHS002N)	15/06/2019
BE	CE	15/06/2019	Career planning and professional skills(UHS003N)	15/06/2019
BE	ECE	01/08/2019	Programming with C (UCS165C)	01/08/2019
BE	ECE	01/08/2019	Human Resource Management (UEC344C)	01/08/2019
BE	ECE	01/08/2019	Advanced Quantitative aptitude and soft skills (UHS002N)	01/08/2019
BE	ECE	02/01/2020	Fundamentals of Quantitative Aptitude and soft skills (UHS001N)	02/01/2020
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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
BE	Aircraft Design	15/06/2019
BE	Python for Data Science	15/06/2019
BE	Demystifying Networking	15/06/2019
BE	Programming in Java	15/06/2019
BE	Ethical Hacking	15/06/2019

BE	Intelligent Transport System and Feature Trends	08/06/2019
BE	Electrical Vehicles	08/06/2019
BE	Diesel Engine Management System and Component	08/06/2019
BE	Advanced Automotive Materials	08/06/2019
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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	EEE	30/12/2019
BE	ISE	01/07/2019
BE	Automobile Engineering	01/08/2019
BE	Electronics & Instrumentation Engineering	01/08/2019
BE	Industrial & Production Engineering	01/08/2019

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
Ethical Hacking	01/07/2019	2
Introduction to Automata, Languages and Computation	22/07/2019	2
Induction programme for first year students.	01/08/2019	114
Language Lab	01/08/2019	114
Pre-Placement Training Pogramme	16/09/2019	60
Advanced JAVA Programming towards industrial approach	19/09/2019	83
Advanced Data Structures-an industrial approach	23/10/2019	85
Professional Communication and Technical Writing	01/08/2019	19
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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

Mtech	Environmental Engineering	11
Mtech	Structural Engineering	13
Mtech	Geotechnical Engineering	14
BE	ECE	4
Mtech	Digital Communication	6
BE	Electrical and Electronics Engineering	152
BE	Industrial and Production Engineering	21
BE	Information Science and Engineering	14
BE	Automobile Engineering	32
BE	Biotechnology	37
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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

Teaching-learning system needs continuous refinement and improvement. To strengthen this process of continuous refinement, Basaveshwar Engineering College Bagalkot has a well-defined and formal feedback structure implemented at different levels. Board of studies: The department receives feedback from various stakeholders such as industrialists, faculty, alumni and students as members of BoS. Through Board of Studies (BoS) meetings, suggestions were sought with respect to curriculum design and development and implementation. The inputs are wetted for redefining the PEOs, and the PSOs. The feedback from stakeholders and the gaps in the attainment are used for further modification/revisions in the curriculum. Students Feedback: Student feedback is obtained through online mode. Referring to the collected data, the teacher's performance analysis is done. The feedback analysis report is submitted to the Head of Department. In turn, HOD puts his comments to improve the shortcomings of particular staff. On the other hand, appreciation remarks will be written by the HOD on the feedback analysis sheet. An individual staff member is called by the HOD and gives feedback analysis sheet related to the subjects taught by the faculty. HOD appreciates good feedback and gives his suggestions to improve any drawbacks identified by him in the feedback analysis. This entire process is very sensitive and delicate. HOD takes utmost care in expressing his remarks to the faculty members. There is a healthy environment for teaching and learning and also for improvement in teaching by the faculty members. The feedback from students regarding the content and coverage of the curriculum are collected

twice each semester (mid-semester and end semester), through an in-house online portal. Feedback was obtained from the students on content delivery, assessment and evaluation. The collected feedback will be analyzed and action will be taken for any deviations in the department. The feedback obtained from the students is collected. If students have any specific issues, the department will address the issues. This will give a better teaching-learning environment. Parent's feedback: For the overall improvement of the character of a student, the institution shall take feedbacks from parents/guardians. These shall be gathered during Parent-Teacher meetings convened once in a semester at the Department level to gather feedback from stakeholders on various aspects of the programme. These collected feedbacks shall be consolidated and discussed in Department level committee meetings, to decide the necessary actions needed at the Department level. The consolidated reports shall be presented at institution-level committee meetings. The feedback shall be used to scrutinize and refine the policies so that institution moves closer to its vision. Alumni – Feedback The focus of Alumni feedback is on Academics, curriculum, events, etc., The feedback is collected online through Mailers, Social media, via forms, and during their visit to BEC for events.

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	Information Science & Engineering	90	90	84
BE	Computer Science Engineering	90	90	94
BE	Electrical & Electronics Engineering	60	60	59
BE	Mechanical Engineering	120	120	117
Mtech	Digital Communication	18	4	4
BE	Electronics & Communication Engineering	120	120	114
BE	Civil Engineering	120	120	114
Mtech	Structural Engineering	18	18	16
Mtech	Geotechnical Engineering	18	18	16
Mtech	Environmental Engineering	18	18	6

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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
2019	2915	111	166	40	206

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	Numberof smart classrooms	E-resources and techniques used
206	206	6	41	41	3

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View File of E-resources and techniques used

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
2915	206	1:14

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
0	0	Nill	0	0

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
2020	Dr. B. M. Reshmi	Associate Professor	E Yantra Task based training on Robotics, 'A' grade certification, IIT Bombay
2019	Shrinivas S	Associate	NPTEL MOTIVATED

		Gujarathi	Professor	LEARNER, DEC 2019
	2020	Shrinivas S Gujarathi	Associate Professor	NPTEL BELIEVERS 2020
	2019	Dr.Jayashree D. Mallapur	Professor	Best Project of the Yearby KSCST.
	Nill	Prof.S. C. Hiremath	Associate Professor	Best Project of the Yearby KSCST.
	2019	Dr. Sanjeevkumar Hatture	Associate Professor	Best Research Paper Award First IEEE International Conference on Advances in Information Technol ogy(ICAIT-2019), AIT, Chikkamagaluru on 27-07- 2019
	2020	Dr. Sanjeevkumar Hatture	Associate Professor	Best Poster Presentation Award National Conference on Climate Resilient Agriculture for Sustainable Production and Nutritional Security, UAS, Dharwad on 02-02- 2020.
	2020	Prof. S. S, Yendigeri	Associate Professor	Task Based Training (TBT) Award of e-Yantra of IIT Mumbai Sponsored by MoE under the National Mission on Education through ICT program
	2019	Dr. Smt. D. S. Jangamshetti	Professor	InSc Best Teacher Award 2020 (Institute of Scholars, An ISO 9001:2015 certified Institution by International Accurate Certification, Accredited by UASL)
	2020	Dr. Smt. D. S. Jangamshetti	Professor	IARDO Academic Excellence Award-2019 for Distinguished Professor (International Association of Research and

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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
Mtech	1 SEMESTER	2019-20 ODD	14/02/2020	19/02/2020
MBA	1 SEMESTER	2019-20 ODD	17/02/2020	19/02/2020
MCA	3, 5 SEMESTERS	2019-20 ODD	27/12/2019	01/01/2020
MBA	3 SEMESTER	2019-20 ODD	24/12/2019	01/01/2020
Mtech	3 SEMESTER	2019-20 ODD	30/12/2019	01/01/2020
BE	1, 3, 5, 7 SEMESTEERS OF ALL DEPARTMENTS	2019-20 ODD	30/12/2019	01/01/2020
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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
320	3054	10.48

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)

Each subject syllabus is made available department-wise: http://www.becbgk.edu/

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
PG	Mtech	Structural Engineering	13	13	100
PG	Mtech	Geotechnical Engineering	15	15	100
PG	Mtech	Environmental Engineering	11	11	100
UG	BE	Civil Engineering	135	134	99.26
BE	BE	ECE	128	118	92.19

BE	BE	ECE	128	126	98.44
MTech	Mtech	LDL	6	6	100
MTech	Mtech	LDL	6	6	100
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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)

Students feedback will be collected during the semetsre and at the end of the semester. In order to be free and frank statements of feedback from students, no standard formats will be used. Based on their feedback teachers will try to enhance themselves quality of teaching-learning. From 2021-22 it is planned to have a standard format for the same.

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
National	No	No	Nill	Not Applicable
International	No	No	Nill	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
Total	1095	0	5.76	0
Any Other (Specify)	0	0	0	0
International Projects	0	0	0	0
Students Research Projects (Other than compulsory by the University)	0	0	0	0
Projects sponsored by the University	0	0	0	0
Industry	0	0	0	0

sponsored Projects				
Interdisciplinary Projects	0	0	0	0
Minor Projects	0	0	0	0
Major Projects	1095	AICTE – RPS	5.76	0

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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
No	No	Nill

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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
App for online OPD appointment Hospital Information System	Prathmesh Kalburgi Kaushal A. Diwakar Prateek Kadapatti Praveen Panishetti Swati Angadi	Smart India Hackathon, MHRD Innovation Cell, Government of India	01/08/2020	Software Edition under Ministry of Ayush
Best Performing Institution	MHRDs Innovation Cell	First Annual Innovation Festival of MIC	11/09/2019	AICTE Quality Initiative

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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
Basaveshwar Engineering College (A), Bagalkot	Mr. Shreedhar Kamalapurkar	Basaveshwar Engineering College (A), Bagalkot	Sianom Technologies	Electronic components design	16/11/2019

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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
Biotechnology	2

Electronics and Instrumentation Engineering	2
Civil Engineering	2
Computer Science and Engineering	2
Electronics and Communication Engineering	3
Electrical and Electronics Engineering	2
Industrial and Production Engineering	5
MCA	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	MCA	1	5.9
International	Automobile Engineering	1	0.4
International	Biotechnology	7	3.84
International	Electronics and Instrumentation Engineering	2	0.78
International	Civil Engineering	12	2.42
International	Computer Science and Engineering	11	2.64
International	Electronics and Communication Engineering	14	1.75
International	Electrical and Electronics Engineering	2	0
International	Industrial and production Engineering	5	2.95
International	Information Science and Engineering	4	8.77
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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
Information Science and Engineering	8
Industrial and Production Engineering	1
Electrical and Electronics Engineering	1
Electronics and Communication Engineering	28

Computer Science and Engineering	3
Civil Engineering	2
Biotechnology	2
Mechanical Engineering	5

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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
An Electro-Mechanical System for Prevention of Wastage of Cold Water Stored in Hot Water Pipeline	Published	2453/CHE/2015 P	18/09/2020
Temperature Controlled Feed Unit for Life-Span Enhancement of Filter Membrane in Water and Similar Liquid Purifiers	Filed	TEMP/E-1/19965/	Nill
A Wearable safety system for real time human emergency	Published	202041023818A	12/06/2020

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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
Multi-objective Design Optimization of Microdisk Resonator	Manjula Sutagundar	Nanoscience and Nanotechnology Asia	2020	0	Basaveshwar Engineering College, Bagalkot	0
A Cost-effective Modelling of Faster Authentication Mechanism in Vertical Handover for an Effective Latency	S.B. Kumbalavati, J. D. Mallapur	International Journal of Sensors, Wireless Communications and Control	2019	0	Basaveshwar Engineering College, Bagalkot	0

Control							
Bioethanol Production from Waste Banana Peel	Madhumala Y	International Research JournaL of Engineering and Technology	2020	0		Department of Biotechnology Basaveshwar Engineering College Bagalkot	0
Studies on Extraction and Applications of Prodigiosin from Serratia Marcescens	Madhumala Y	International research journal of engineering and technology	2020	0		Department of Biotechnology Basaveshwar Engineering College Bagalkot	0
Alzheimer's Disease: A Progressive Neurodegeneration	Dr.Sharada P	International Research Journal of Engineering and Technology (IRJET)7.529	2020	0		Department of Biotechnology Basaveshwar Engineering College Bagalkot	0
Biocomputational Approach for the Effective Treatment of Alzheimers Disease	Dr.Sharada P	International Journal of Pharmacy and Biological Sciences 0.888	2020	0		Department of Biotechnology Basaveshwar Engineering College Bagalkot	0
Removal of heavy metal from industrial waste water using biofilm producing bacteria	Madhumala Y	International Journal of Bio-Technology and Research (IJBTR)6.6	2020	0		Department of Biotechnology Basaveshwar Engineering College Bagalkot	0
N-terminal Domain of tlyA from Mycobacterium tuberculosis Displayed Concentration	Dr.Sharada P	International Journal of Current Microbiology and Applied Sciences	2019	0		Department of Biotechnology Basaveshwar Engineering College Bagalkot	0

Dependent Ordered Structure						
Mycobacterium tuberculosistlyA E59Q is stable compare to the native protein	Dr.Sharada P	International Journal of Current Microbiology and Applied Sciences 0.378	2019	0	Department of Biotechnology Basaveshwar Engineering College Bagalkot	0
Synthesis and structural studies of Ni-Mn based Heusler shape memory alloys	S. V. Dhanal S.A. Kori V. G. Akkimardi M.S. Mokashi	Journal of Mechanical Science Technology	2019	0	Basaveshwar Engineering college Bagalkot	2

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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
Fundamental Analysis of Indian Petroleum PSUs and Influencing Factors on Petroleum Prices – Forecasting the Near Future of Petroleum PSU stocks	V.S Puranik VirupakshaGoud G Kumar N. Sanjeev	International Journal of Innovative Technology and Exploring	2019	0	0	Basaveshwar Engineering college Bagalkot
Integrated Supply Chain Automation using Block chain	Patil H R Javalagi C.M., Malleshappa T. Bhagavati P. Venkumar	International Journal of Management, IT and Engineering	2019	0	0	Basaveshwar Engineering college Bagalkot
A review on	Rajesh I S,	International	2019	0	0	Basaveshwara Engin

automatic identification of fovea in retinal fundus images	Bharathi Malakreddy A, Bharati M Reshmi	Journal of Medical Engineering and Informatics				eering College Bagalkot
Image Registration with Conditional Adversarial Networks	Pavan N. Kunchur Sadhana P. Bangarashetti	International Journal of Innovative Technology and Exploring Engineering	2019	0	0	Basaveshwara Engineering College Bagalkot
Laplacian based Image Mosaicing	Pavan N. Kunchur Sadhana P. Bangarashetti	International Journal of Engineering and Advanced Technology	2019	9	0	Basaveshwara Engineering College Bagalkot
A Survey on Data Perception in Cognitive Internet of Things	Lokesh B. Bhajantri, Prashant M. Balarugi	International Journal of Recent Technology and Engineering	2019	0	0	Basaveshwara Engineering College Bagalkot
Analysis of key performance indicators for sustainable manufacturing in sugar industry using analytical hierarchy process	Patil, H.R., Javalagi, C.M.	Indian Journal of Engineering and Materials Sciences	2020	0	0	Basaveshwara Engineering College Bagalkot
An assessment of factors affecting ERP implementation: A systemic view	Maheshwar, C.Y., Javalagi, C.M.	Journal of Telecommunications and Information Technology	2019	10	0	Basaveshwara Engineering College Bagalkot
Social Enterprise Policies in India: An Explora	V.S Puranik Kumar N. Sanjeev	International Journal of Management, IT and E	2019	0	2	Basaveshwar Engineering college Bagalkot

tory Study		ngineering				
Developm ent agility system in supply chains	V. S. Puranik Gopinath Rathod	Internat ional Journal of Business and systems research	2019	0	0	Basavesh war Engine ering college Bagalkot

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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/Semi nars/Workshops	110	17	0	0
Presented papers	31	28	3	0
Resource persons	23	4	15	4

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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)
Civil Engineering	SBC Test	Asst. Exe. Engineer PWD Sub Dn, Hungund	10200
Civil Engineering	Cube Test	S.R.Sulibhavi Class-I Contractor Engineers,Vijayapur	22200
Automobile Engineering	BEC Motor Driving School including PMKVY (Pradhan Mantri Kousal Vikas Yojana)	PMKVY	66750
Biotechnology	Food Testing	SVM Industries , Bagalkot	5000
Civil Engineering	SBC test	Asst. Exe. Engineer K.S.R.T.C Division, Bagalkot	6000
Civil Engineering	BM SDBC and Cube test	Team Leader IIIE Ltd, Nagarothana, Phase-3, Bagalkot	113600
Civil Engineering	Steel test and Mix Design test	Sree Subha Sales Engineers Contractors	23300
Civil Engineering	SBC, Cbe, M-Sand Test	Angel Constructions, Bagalkot	34400
Civil Engineering	Soil Test	Asst. Executive	19600

| Civil Engineering | Soil Test | Engineer KUWS D. Board ,S.Dn, Bailhongal | 10000 |
| | | N.Yagantieshwaraiah Railway Contractor ,Gadag | |

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

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
No	No	No	0	0

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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
Orientation programme to NSS volunteers	NSS	1	10
Eradication of drug abuse	NSS	1	10
Legal Awareness programmes	NSS	1	10
Tree Plantation	NSS	1	10
Campus Cleaning	NSS	1	10
Terracing for trees in the campus	NSS	1	10
Protection for trees in the campus	NSS	1	10
Watering plants	NSS	1	10
Swatch Bharat Abhiyan	Department of ECE	27	132

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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
Project exhibition	Best Project of the Year 2019	KSCST Karnataka	4
Project exhibition	Best Project of the Year 2019	KSCST Karnataka	4

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3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year				
Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
AICTE Activity points	Electronics and Communication Engineering Department	Corona Awareness	27	132
AICTE Activity points	Electronics and Communication Engineering Department	Rural Education	27	132
AICTE Activity points	Electronics and Communication Engineering Department	Swatch Baharat	27	132
AICTE Activity points	Electronics and Communication Engineering Department	Corona Awareness	27	132
AICTE Activity points	Electronics and Communication Engineering Department	Rural Education	27	132
AICTE Activity points	Electronics and Communication Engineering Department	Swatch Baharat	27	132
AICTE Activity Points	Basaveshwar Engineering College (Autonomous), Bagalkot	Swachcha Bharat Abhiyan	10	150
AICTE Activity Points	Basaveshwar Engineering College (Autonomous), Bagalkot	A Social Awareness Programme on Plastic Ban	10	150
AICTE Activity Points	Lions club Bagalkot	Free health camp	2	20
AICTE Activity Points	Lion club Bagalkot	Free health camp	2	20
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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
Faculty exchange	49	TEQIP Phase-III	15
Faculty exchange	40	TEQIP Phase-III	15
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3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Internship	Summer internship	NARA MOTORS Opposite Sakri High School, BAGALKOT - 587101	10/06/2019	24/07/2019	Santosh Kotin Kirshn aTirkannavar Naveen Bhovi PaveenAngadi
Internship	Summer internship	DIVISION CONTROLLER NEKRTC BIDAR DIVISION BIDAR - 585402	10/06/2019	24/07/2019	Channabasava
Internship	Summer internship	S.C. MOTORS (TATA Commercial Vehicle Dealer cum Service), AIR-PORT Road, New Gandhi Nagar, BELGAUM - 590016	10/06/2019	24/07/2019	Shasahikal aMeti Vikramkumar M Mistri Vee reshAngadi S hravankumarM adinoor
Internship	Summer internship	Ashok Lellyland, AIR-PORT Road, New Gandhi Nagar, BELGUAM -590016	10/06/2019	24/07/2019	Bhavani S Bidardar Omkar S Basutkar Prasad Ayli
Internship	Summer internship	UNITED GARAGE Beside H.P. Pump Hubli By-pass Road,	10/06/2019	24/07/2019	Rahul Madiwalar Praveen Gennur Aksay aShivappayan amath

		Navanagar, Bagalkot – 587103			Vinayak S Muganurmath
Internship	Summer internship	Netravati Motors MUDHOL.	10/06/2019	24/07/2019	Gurukiran R Yaraddi
Internship	Summer internship	Revenkar Motors Pvt.Ltd, Authorised Maruti Syzaki Dealers, T.B. Road, Deshapande Nagar, HUBBALLI -250029	10/06/2019	24/07/2019	Rajeshwari Halagalimath
Internship	Summer internship	Kumatagi Motors Station Rodad Bagalkot -587102	10/06/2019	24/07/2019	Rahul Revadigar
Internship	Summer internship	Principla, Technical Training Center Diesel Locomotive Work VARANASI-221004 UATTAR PRADESH	10/06/2019	24/07/2019	DruvDatt Tiwari
Internship	Summer internship	Senior Divisional Mechancial Engineering Diesel locomotive Shed South Western Railway Hubballi -580031	10/06/2019	24/07/2019	Sadanand Mirgi Krishna Kulkarni Sachin Rathod Veeresh Patil Vinayaka Kanavimath
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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 Limited Mangalore	14/03/2020	CertificationTraining and Curriculum Development	105

| Insystel Technology Solutions | 25/03/2020 | Knowledge Sharing | 25 |

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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
560	549.99

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Classrooms with Wi-Fi OR LAN	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 patially)	Version	Year of automation
Koha	Fully	20.11	2013

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	119383	46272630	1392	2135021	120775	48407651
Reference Books	17055	15424210	199	711674	17254	16135884
e-Books	24435	1500000	0	0	24435	1500000
Journals	152	425000	152	450000	304	875000
e-Journals	10300	2400000	10300	1600000	20600	4000000
Digital Database	16	2400000	16	2400000	32	4800000
CD & Video	418	0	0	0	418	0
Library Automation	0	3386750	0	0	0	3386750
Weeding (hard & soft)	0	0	0	0	0	0

Others(specify)	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	No	No	Nill

<div align="center">No file uploaded.</div>

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	1021	15	921	15	15	25	861	300	0
Added	55	0	0	0	0	5	45	200	0
Total	1076	15	921	15	15	30	906	500	0

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

<div align="center">500 MBPS/ GBPS</div>

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
Video Lecturers	• https://www.youtube.com/watch?v=LM_XVmXOJHU, • https://www.youtube.com/watch?v=SGbek4XuYUs, • https://drive.google.com/file/d/1x_OgDkTluTSUs-QbEFVw86yKvYOVpI4/view?usp=drive_web

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
120	112.24	44	44.37

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)

To achieve efficiency, quality output and uniformity of performance, a Standard Procedure has been framed for civil maintenance, laboratory, power supply, software up keeping library. Maintenance of physical facilities (Civil works): Development officer inspects the premises at regular intervals and identifies the problems and takes necessary action upon the complaints received from various departments subjected to degree of urgency of the problem.

Regularly monitoring for clean water storage for utility, water supply to required areas and properly cleaned sanitation systems take place at regular intervals. On receiving the complaints through note from various departments, problem will be identified and it is resolved using the expertise of skilled workers available within the institute or hired from outside. Laboratory maintenance: Regular maintenance of equipment as well as repair of equipment is important for proper functioning of any engineering laboratory. Instructors are given the responsibility of taking care of the equipment's in their concerned lab. Every lab is looked after by a faculty as Lab-Incharge and an assistant to lab-incharge is provided by the heads of department. At any point of time, the lab-incharge registers a request letter for HoD. As soon as the request is received with details, (including Guarantee Period etc.) following procedure is followed. If the equipment/machinery is to be serviced during the warrantee period, the supplier of the equipment/machinery will be intimated about the repair and it will be serviced either in-house or in the supplier premises based on the nature of defect. If no items are required to purchase for repairing the equipment, the equipment is repaired immediately. If items are required then a proposal is sent to the purchase in charge through proper channel (concerned HOD). After the items are purchased, the equipment will be repaired. The remuneration bill (cost of Maintenance) will be sent to the accounts department through proper channel. Power supply and Maintenance: Department of electrical engineering deals with power supply and maintenance. Checking diesel in storage of generator tank daily and replenish the stock of diesel as per requirement. Similarly checking distilled water level in radiator daily, and if any shortage is found, it is refilled. Checking of distilled water of batteries regularly and cleaning the Radiator fan belt, generators daily take place. Checking earth resistance and necessary action for the earth pits is done at regular intervals of time. Central Library: The institute's librarian and department library coordinators are regularly reviewing and evaluating resource materials, such as book reviews and catalogs, to select and order print, audiovisual, and electronic resources. Prepare requirement of new books and journals that are required according submit the proposal through HOD. Departmental project and seminar coordinators are submitting all the project and seminar report of students in departmental library. The institute's sports section has sports club which facilitate teachers and students with sports, recreation, health checkups etc. Also supervising strategic planning and implementation in association with national governing bodies (NGBs) for specific sports with respect to clubs and events. They also manage resources, budget and identifying potential

http://www.becbgk.edu/NAAC.php

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	Student Welfare Fund/Teachers Benfint Fund and Shri Biluru Guru Basava Utsav Samiti	32	61770
Financial Support from Other Sources			
a) National	Post-Matric Scholarship for SC/ST	1873	37196220

	students(2019-20) and Fee Concession for OBC students(2019-20)		
b)International	Nill	Nill	Nill

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

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Digital language Lab	01/08/2019	354	Oréll Technosystems (India) Pvt. Ltd.
Soft skill Training	01/01/2021	1047	Ethnus Consultancy Services
Yoga	08/08/2019	500	Dr. Shobha Patil
Personal Counselling and Mentoring	01/08/2019	720	Internal Faculty
Bridge courses (Mathamatics-1 and Mathamatics-2)	01/08/2019	100	Internal Faculty

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2019	NO	Nill	Nill	Nill	Nill
2020	NO	Nill	Nill	Nill	Nill

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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
2	2	45

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
TCS,	467	207	34	467	207

| Digital Drive TCS Ninja TCS, Code-vita TCS, Digital Drive Goldman Sachs Inszoom TCS Off-Campus Texas Instruments Flutura Hexaware Global Edge s/w Kotak Mahindra Bank FSS IBM Cadance Creater Tech Solution Cogniznat Wipro Technology Infosys Ele | | | | | |

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

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2020	18	BE	Mechanical Engg., Civil Engg., Electronics and Communication Engg., Electrical and Electronics Engg., Biotechnology, Automobile Engg.	Vellore Institute of Technology, Vellore IIT, Kharagpur RVCE, Bangalore MSRIT, Bangalore Dayanand Sagar College of Engg., Bangalore AIT, Bangalore, KLE, Belgaum BEC, Bagalkot	M.Tech, MBA
2019	42	BE	Mechanical Engg., Civil Engg., Computer Science and Engg.,	Vellore Institute of Technology, Vellore IIT, Kharagpur RVCE,	M.Tech, MBA

		Electronics and Communication Engg., Information Science and Engg., Electrical and Electronics Engg., Biotechnology, Automobile Engg.	Bangalore MSRIT, Bangalore Dayanand Sagar College of Engg., Bangalore AIT, Bangalore, KLE, Belgaum BEC, Bagalkot	

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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	3
GRE	3
Civil Services	1
Any Other	1

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

Activity	Level	Number of Participants
Shuttle Badminton	University	1
Volley Ball	University	2

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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Volleyball	National	1	Nill	Nill	1.Amit Rathod 2. Aksha Lad 3. Vijay Badiger
2019	Shuttle Badminton	National	1	Nill	Nill	1.Amit Rathod 2. Aksha Lad 3. Vijay Badiger

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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)

Besides curricular activities, students are engaged in cocurricular and

extracurricular activities. This is normally done by students associations/Council and student chapters at various department levels and the college Gymkhana. Cocurricular and extracurricular 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. Cocurricular activities: #Each department has a student association/chapter. Every year the cocurricular activities will be organized through these associations. By participating in cocurricular 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. At the beginning of every academic year, the institute constitutes the Student Council by following the norms. A class representative from each class will be nominated as a member of the Student Council. The student members elect General Secretary, Cultural Secretary, Sports Secretary, and Girls representative for a term of one year. The Student Council aims at the all-round development of students and organizes several academic, co-curricular, and extracurricular events throughout the year in association with the University and other organizations. Meetings of the Student Council are conducted at least once in each term with Student`s Welfare Officer, discipline, and anti-ragging committee.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

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. The structure of Alumni association constitutes: President: Principal Vice president, Secretary, Joint Secretary, Treasurer. The mission of the Alumni Association is to foster a mutually beneficial relationship between the Institute and its alumni to perpetuate a sense of pride in and commitment to the outstanding qualities of the Institution and the education it provides, and to promote, in partnership, a positive image of the Institute and its alumni through communication, service and leadership. The main objectives of the association are 1. To encourage and nurture the interaction between Alumni and the institute benefited mutually to both. 2. To urge the Alumni to take interest in the process and development of the institute. 3.To guide the students of the Institute for professional development, higher education, and being good citizens. 4.To promote the formation of regional chapters to increase participation of Alumni 5. To organize and support recruitment activities for the students of the institute. 6. To boost the students of the Institute and Alumni members of the Association for research development work in various fields of Engineering. 7. To mentor students of the Institute on various professional careers available and support them through various activities such as workshops, expert advice, seminars, industrial visits, etc. 8. To provide financial support in terms of scholarships to students and Alumni of the Institute for the purpose of education and career. 9. To encourage students and Alumni for the development of their entrepreneurship skills and self-employment. 10. To support and assist

other regional bodies for training programs in entrepreneurship development, with resources available with the association. 11.To foster the industry institute interaction to bridge the gap between industry and education offered by the institute and enhance students' employability. 12. To encourage and support students of the Institute in sports, cultural and extra-curricular activities.

5.4.2 – No. of registered Alumni:

5000

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

1. Rendezvous 2019, Reunion of 2011 Batch(CE), 15-09-2019 2. A Technical Talk on Semiconductors by Mr. Shri. Somashekhar Ambali, Chief, SignOff Semiconductors, Bangalore organized for ECE students.

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)

The institute practice decentralization and participative management. The governing council empowers the Principal to plan and execute the strategies approved by the council, through decentralized governance. All Deans, HODs, various administrative bodies, committees, and cells by delegated with an authority at various levels for better performance. Delegated and empowered teams work towards promoting a culture of participative management. Various committees such as Class Representative (CR) Committee, Research and Development (R D), Anti-Ragging Committee, Hostel Committee have been formed to collectively take decisions for better and improved performance. HODs have operational autonomy in academic pursuits and decision making at the department level. The faculty members are given the responsibility of organizing various academic events and coordinating the professional activities such as Technical Seminar, Workshops, Trainings etc. The recommendations forwarded by various committees along with the feedback/suggestions of all stakeholders are given due importance during the decision-making process. The Class Representatives play a major role in effectively monitoring the student discipline and tracking their overall performances. Various activities are arranged for the students which play a vital role in the holistic development of the students' community. Practices of Decentralization and Participative Management during last year: 1. Innovative Practices adopted for a greater number of placements with better packages in addition to existing mechanism Various innovative activities are taken up for improving number of placements with high packages in the academic year 2019-20. The faculty member from each department started assisting training and placement officer through identifying the core industries for the respective departments and succeeded in getting new core companies to the campus for placement drive. 2. Capacity Building of student and Teachers with Online Education Resources such as NPTEL. Students and faculty to upgrade their skills during lockdown period succeeded in getting fruitful results. Facilitated Network, Wi-Fi, connectivity with adequate Bandwidth to continue academic activities such as online teaching-learning, Assessment and Evaluation with online proctored examination for mid examinations, project reviews and virtual laboratories for Lab based Courses.

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	Regular revisions of curriculum through involvement of academicians and industry personnel are carried out through conduct of BOS (Board of Studies) Meetings. Outcome based, choice-based and student centric policies are given more thrust in curriculum design. Curriculum matching the industrial needs were be developed for all the courses offered at the institution from 2019 Batch. Equal focus is given to both Core/professional subjects and open electives. The process is monitored at various levels within department and institute. The institution has also implemented a fully flexible credit system, to prepare professionally trained and educated engineering graduates who can face the challenges and make a difference in the society. The institute has benchmarked its curriculum with the top universities in India and abroad. Total credits and academic requirements recommended by AICTE model curriculum are strictly adhered to for both UG and PG programmes.
Teaching and Learning	The academic calendar is strictly followed and monitored for delivering course contents. The day-to-day classroom delivery is through modern pedagogy evenly balanced with the traditional teaching methodology. The classrooms are equipped with the required infrastructure like smart boards, Internet connectivity and LCD projectors to facilitate the new modes of delivery. The classroom teaching is well monitored by strict attendance system. The faculty are trained on the ICT methodologies and continuous apprise of the same is provided through conduct and participation in faculty development programmes, workshops, and seminars. Opportunity for students to learn from MOOCS is provided through credit transfer scheme. There is a scope for industry-oriented projects. Remedial classes during the semester and summer term are conducted. The

	inputs are taken from learners through feedback every semester and are used to address the issues related to teaching learning. The guest lectures for contents beyond syllabus are organized regularly.
Examination and Evaluation	Student evaluation of teaching is a generalized practice in almost every institution of higher education around the world. Relationship between student evaluation of teaching and academic achievement in higher education is very important. Teaching effectiveness show a wide variety of results. Results obtained from evaluation range from small to medium correlations between SET and student achievement, based on diverse methodological approaches, sample size studies, and contexts. The evidence in support of SET as a measure of teachers' instruction effectiveness comes from the studies showing a correlation between measures of student evaluation and student achievement. The printed answer booklets are supplied to the students to write the Internal Assessment Test. Two sets of question papers are set based on Bloom's taxonomy and are collected from question paper setters and anyone of the question paper is selected. The question paper set by the faculty is scrutinized by the Program Assessment Committee and it is approved by the HOD, Principal and Director for submission to Academic cell. The Hall and Seating plan are made following the same procedure as the End Semester Examination. The Central Evaluation is followed.
Research and Development	We encourage our Faculty and Students to focus on more innovation and technology development to bring out technology-oriented product, services and to facilitate to obtain patents. Students will be given access to visit industries and identify the recurring problems so they can conduct a rigorous research and come with best possible solution. Conducting concerted research in multi disciplines by proper interaction with Industry and RD institutes help the students to know and learn new technologies. The students are Encouraged to come up with smart and new ideas for working with utmost interest in the respective

	research labs and incubation centers towards the new innovations and inventions. Motivating students and driving them towards research and providing the required technical. Faculties are encouraged to apply for research grants by government bodies for their projects and publish research papers in National/International Journal and conferences. Facility is provided for faculties to do their research work at college campus.
Library, ICT and Physical Infrastructure / Instrumentation	Library is treated as the heart of our institution. Enhancing the infrastructure facilities, an ambience for advanced learning is always there in the strategic agenda. Library has been built carefully since the inception of the college. All students and staff members are encouraged to make the best use of the facilities made available in the library. The library is housed in a spacious area of 1970 sq.m., fully computerized and partially airconditioned. It has Reference Section, Magazine Section, Stack Area and Digital Library. Our Library has over 1, 36,000 volumes and 43133 titles related to Science and all branches of Engineering. Library and information Centre subscribes 9 electronic databases, Viz, IEEE, ASCE, Springer, Science Direct, Taylor Francis, and Proquest under VTU Consortium. More than 10300 E-Journals 6514 Conference Proceedings, 160 print National journals and 3 print International Journals are available to the faculty, students, and other users through annual subscription. And have perpetual access towards 24351 Science and Engineering e-books of Springer, Taylor Francis, and 169 Pearson Computer Science e-books collection. Handbooks, Standards, Manuals, Encyclopedias, Technical Reports, Conference Proceedings, Back volumes, ISTE learning materials, projects reports, Ph.D. thesis etc are also available for reference. The Library is automated with Easy-lib software upgraded with 4.3.2 version. OPAC facility through touch screen monitor and EPAC facility through intranet have made the Library user-friendly. Digital Library, CD services, VTU, NDL and DELNET memberships for E-Resources, book banks, reading rooms, reprographic

	facility are the additional resources of the library and information center.
Human Resource Management	We can talk about Human Resource Management (HRM) in two means. First is towards the student's community in the college campus and second, the faculty and other staff members working for the institute. Generally, students focus only on campus placements for job. To provide better opportunity for the students as a human resource management activity, college is encouraging students to develop entrepreneurship skills. Instead of seeking employment and depend only on the job employability, it is a good idea for every student to exhibit his talent, skill, and knowledge by becoming an entrepreneur. They can create jobs for others by becoming an entrepreneur. Students are motivated and guided to open new startups for those who graduate from our institution. Students are also encouraged to go for campus placement jobs, guide the students to go abroad for higher studies, assist in competitive examination preparation as well. The College has recruited adequate number of faculty members, technical staff, the class four staff members as per the guidelines mandated by the apex bodies. The excess load is sufficed regularly and particularly by recruitment of staff members on adhoc basis. Best of the facilities are provided for teaching-learning process requirements. Teaching staff are encouraged to attend faculty development programmes, workshops/training programmes and conferences. College supports and motivates for the faculty, especially for research grants, high value publications and guidance for filing and obtaining patent. Technical staff are supported by the college towards their overall development and as well as performance.
Industry Interaction / Collaboration	Industrial visits are organized for the students and thereby motivating students towards internships that will help the students for having the real time work experience. The internships in-turn help the students to get good jobs. Sometimes students get absorbed or placed by the same company where internship is carried out by the

	student. Organizing Workshops and Seminars in collaboration with industry is done to inculcate the research and development opportunities, Industry-Institute Initiative is plays an important role in bridging the gap between students and industries. Various activities like Memorandum of Understanding (MoU) with various companies, Conduction of Seminars/Expert lectures/Guest Lectures, Project sponsorship, Internship for students, Industrial visits and Project exhibition are conducted.
Admission of Students	Admission of students into the institute are made through common entrance test (CET) conducted by Government of Karnataka. Based on the CET-rank as per Government norms, the students get admitted into various institutes. Our college being aided by Government of Karnataka, the aided seats are filled through CET admission process. We also have un-aided seats which are filled through CET as well as COMED-K. 15 of the seats which are under management quota are filled through college management committee. An ERP (Enterprise Resource Planning) software is used during student's admissions and all information related to students required for admission and other aspects are maintained as a database which will help in retrieving the needy information.

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

E-governace area	Details
Planning and Development	Strategic plan of the institution is approved by the Board of Governors (BOG) and Governing Council (GC). Long term development plans are approved for institution by BOG and GC. Department wise development plans are devised and discussed between Head of department and the Principal. Some are approved by head of the institution i.e., Principal and in some cases, Principal must discuss with higher authority for sanction or implementation. 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.

Administration	The College operates in both vertical and horizontal directions. 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. Specific Roles, Responsibilities and power have been delegated to people at different levels of organizational hierarchy. Academic committee meetings are held (Academic Council at college level and Board of Studies of each department) to review the progress of academic performance. Heads of the department disburses the information by conducting the faculty meetings. For employees, biometric attendance is used to maintain record and monitor the attendance. CCTV surveillance is used to monitor and security purpose. E-notice and conventional notice boards are used for display of messages/circulars and notices to faculty and students.
Finance and Accounts	Administrative Officer looks after the activities executed by clerical, programming, data entry and administrative staff. Tally software is in operation for administrative work. The role of computers in maintaining finance and accounts has come as a gift to this department which keeps a record of financial activities through book entries, all these years. E-governance has become the order of the day and to synchronize their activity within the organisation and between the organisation and central office of BVV Sangha.
Student Admission and Support	A standard system of procedure of admission of students to engineering courses is well established and followed. For admission in management quota, the standard procedure is the prospective students should register online in our college website and based on marks and other supporting criteria they will be selected. We also admit meritorious, but economically weak students through several educational foundations. The entire expenses for the meritorious students and economically weak students, admitted through the merit counselling, are taken care of, for all the four years of their study in our campus, by these

	Examination	The examination work has been looked after by a dedicated team headed by Controller of Examination (COE) and are responsible for all works related to examination and evaluation. Most of the activities are carried out using in-house developed software. The software developed are tailor made to suit our requirements. The software is being developed as intranet Web-based application. Different modules are used by the exam section. Registration Module is used for online registration of subject offered by the department, faculty handling and registration of subjects by the student. In CIE Module, Hall tickets for CIE tests are generated for the students. Another module also used for entry of CIE marks (like tests marks, assignment marks, laboratory marks etc.) by the concerned subject faculty using login credentials. Student Feedback Module is used to collect online feedback from students for each faculty handling the subject. In SEE Module, Hall tickets for Semester End Examination are generated for the students. SEE marks are entered using another module. Results Module: This module is used to process the results after the completion of marks entry and verification. 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
2019	Prof. S. N. Benkikeri	FDP on Advanced Machine	TEQIP	3448

		Learning using Python at SDM, Dharwad 05 - 07 Aug. 2019		
2019	Prof. J. S. Mulimani	FDP on Advanced Machine Learning using Python at SDM, Dharwad 05 - 07 Aug. 2019	TEQIP	2402
2019	Prof. Kamala Patil	FDP on Machine learning with python at GSSSIETW, Mysore 25 - 27 Jul. 2019	TEQIP	5990
2019	Prof. Savitri Yendigeri	FDP on Machine learning with python at GSSSIETW, Mysore 25 - 27 Jul. 2019	TEQIP	5990
2019	Prof. P V Patil	Indian Geotechnical Conference SVNIT Surat	TEQIP	13463
2019	Prof. S F Chitragar	Indian Geotechnical Conference SVNIT Surat	TEQIP	13463
2019	Prof. S F Chitragar	IRC37: 2018 Guidelines for Design of the Flexible Pavements, I.I.T. Bombay	TEQIP	22580
2020	Dr. Veena Soragavi	3rd National Indian Ground Water Conference 2020, Kozikode Kerala	TEQIP	24607
2019	Prof. Smitha K	FDP on Advanced communication Networking Technologies , IIIT, Dharwad	TEQIP	6748
2019	Prof. Vasudha Bonal	FDP on Advanced communication	TEQIP	6748

		Networking Technologies , IIIT, Dharwad				

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)
2020	3 days training on MiPower Software	Nill	24/02/2020	26/02/2020	6	2
2020	Conducted "Two-days" online workshop on "AICTE-Examination Reform Policy" for BEC Faculty	Nill	29/05/2020	30/05/2020	50	Nill
2020	Machine learning based project ar chitecture design	Nill	15/06/2020	19/06/2020	50	Nill
2020	Conducted "Two-days" online workshop on "AICTE-Examinatio n Reform Policy" for BEC Faculty	Nill	14/02/2020	15/02/2020	60	Nill
2020	Conducted "Two-days" online workshop on "AICTE-Examinatio n Reform Policy" for BEC	Nill	06/05/2020	07/05/2020	30	Nill

	Faculty					
2020	Current Practices and critical Issues for OBE in Education/Institutions	Nill	27/01/2020	07/02/2020	4	Nill
2020	Power of IoT	Nill	08/02/2020	08/02/2020	50	Nill
2020	Recent advances in automation and networking	Nill	11/06/2020	20/06/2020	373	Nill
			[View File](#)			

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Online FDP on Digital Transformation in Teaching Learning Process, under TEQIP-III, through Swayam, IIT Bombay.	1	16/03/2020	30/03/2020	15
Operational Research An Introduction NITTR Chandigarh	1	20/04/2020	24/04/2020	5
Drivers of Industry 4.0 Nitte Meenakshi Institutre of Technology, Bangalore	1	20/04/2020	24/04/2020	5
Advances in Mechanical Engineering Saints Gits College of Engineering, Kottayam,Kerala	1	19/10/2020	23/10/2020	5
Structural Performance and	1	14/12/2020	19/12/2020	6

Damage Prediction of Nan composite Materials in Aerospace Applications Hindustan Institute of Technology Science Hyderabad				
Multi objective optimization for mechanical engineering applications QIS College of engineering and technology, Ongole, AP	1	08/06/2020	12/06/2020	5
Refrigerants progression -environmental concerns QIS College of engineering and technology, Ongole, AP	1	01/06/2020	05/06/2020	5
Inculcating Universal Human Values in Technical Education	1	08/03/2020	12/03/2020	5
TEQIP faculty training on Robotics and Automation IIT Kanapur	1	17/02/2020	28/02/2020	12
Digital transformation in Teaching Learning Process	3	06/04/2020	20/04/2020	17
[View File](#)				

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

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

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students

1	2	6

6.4 – Financial Management and Resource Mobilization

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

The institution conducts internal and external financial audits regularly. Internal and external auditors are appointed by the BVV Sangha. Optimal utilization and execution of the budget is monitored through internal and external auditing. Internal control procedures and systems, particularly in respect of purchase transactions, reconciliation of exam fees, and timely settlement of advances have scope for improvement. The necessary instructions have been given to the concerned for compliance of the remarks given by auditors. Internal audit is conducted and the statutory external audit is conducted annually by chartered accountants. The institute regularly conducts the internal financial audits and external financial audits regularly by Chartered Accountants. They provide an audited report which is 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
NO	0	0

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6.4.3 – Total corpus fund generated

1000000

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	No	Nill	Yes	Dean (Academics)
Administrative	No	Nill	Yes	Heads of Department

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

1. During admission time, the parents will be taken to campus visit in order to familiarize the parents with the college, department and faculty members 2. To bring awareness, a brief discussion about the rules and regulations will be arranged for the parents 3. In between parents meetings will be arranged to know the feedback about Academics and others 4. Efforts are made 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 2. Allotment of Staff quarters for support staff 3. Health welfare scheme under BVV Sangha medical college

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

1. Value based teaching-learning 2. Elective courses offered to students by Industry and HAL personnel 3.Internship to students provided 4. Online courses

viz. MOOCS/NPTEL/SWAYAM considered in curriculum and 1 to 3 credits awarded 5. 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
2020	Implementation of AICTE Examination Reform policy	20/01/2020	20/01/2020	22/12/2020	170
2020	Faculty Development Programme (FDP) on Six Sigma	06/07/2020	06/07/2020	10/07/2020	350
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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	Nill	Nill	0	0

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

Green environment is the word which sounds in the minds of present generation. Environmental consciousness is increasingly becoming the objective of people staying in our institute. Environmental concerns are also important issues in the educational premises or institutional campus. It is our Responsibility to give it to our future generations a clean and green environment. And we all should know the feeling of doing the right thing for the society/community. It is equally important to understand key drivers in the choice of environment by the consumers. The awareness about recyclability has increased in the minds of the people in the society. Recycling is a key association with environmentally sound products. Reducing climate impact is growing in appeal and is strongly associated with carton packaging. Bagalkot being a tropical area has relatively longer duration of sunshine compared to most of the places. Therefore, solar energy turns out to be the most reliable solution. To achieve this affordable and clean energy initiatives are being planned and slowly implemented partwise. Basaveshwar Engineering College (A) plans to install solar power in a phased manner to completely exploit this eternal energy source for all its day-to-day

power requirements. The institute powered all the road lights in the campus to Solar panels. In the coming years, the institute plans to expand Solar energy production in the campus and try to extract power sufficient to meet the needs of the day-to-day requirements. In a parallel manner, the institute plans to use a greater number of energy efficient LED bulbs so that the power requirement too reduces. Formal green audit inviting an external agency is not conducted. However, in view of availability of expert faculty members in the said area, various components of green audit are taken up and are described below. Water Management, Waste Disposal and Environmental Quality: The department of Civil Engineering offers M.Tech programme in Environmental Engineering and has faculty members with specializations in Environmental Engineering, Ground Water Management and Water Quality Testing. Faculty and students regularly monitor the Water Management, Waste Disposal and Environmental Quality of the campus as part of the academic programme. Students take up projects in the said areas. The department has procured a mobile water quality testing vehicle which not only tests the water quality of the campus but also tests the water quality of Bagalkot district. Energy Audit and Use of Renewable Energy: The departments of Electrical Electronics, Mechanical, Industrial Production Engineering and Biotechnology have faculty expertise in Energy Audit (EA), Energy conservation (EC), Demand Side Management (DSM), Renewable Energy Resources (RES),Biomass/Biofuels and Electric Vehicles (EV). The department of EEE offers M.Tech programme in Power Energy Systems which deals with design of RES systems viz. Wind Energy, Solar Photovoltaic, DSM,

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	4
Provision for lift	No	0
Ramp/Rails	Yes	7
Braille Software/facilities	No	0
Rest Rooms	Yes	3
Scribes for examination	No	0
Special skill development for differently abled students	No	0
Any other similar facilie	No	0

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
2019	1	1	16/08/2019	7	Flood damage survey work	The extent of damage to houses were	27

2019	1	1	01/11/2019	2	Plastic Awareness Program	Local people were educated about the various harmful effects of littering plastic in to the environment	66
2020	1	1	23/01/2020	1	Water quality testing	Drinking water quality of a neighboring village was tested	4
2020	1	1	03/02/2020	1	Save Water and Electricity	Local people were educated about the importance of saving water and electricity	32

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7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
NO	Nill	Nil

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Universal Human Values for student Induction Programme	01/08/2019	08/08/2019	400
Save Water and Electricity	03/02/2020	03/02/2020	32
Water quality testing	23/01/2020	23/01/2020	4
Plastic Awareness Program	01/11/2019	01/11/2019	66

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

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. #Plantation 2600 plants have been planted in association with Forest Department. # No hazardous waste is produced in the campus # Others Food: Leftover food from the hostels is used in production of Vermicompost by Biotechnology department Stationary: Used stationary papers (CIE/SEE answer booklets, assignment booklets, laboratory journals, etc.) are sent for recycling # 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

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Research Culture among Faculty and Students: A Research Committee constituted in the college functions with the following Goals: • To inculcate the culture of research among faculty and student • Identify the emerging and thrust areas of research and disseminate the information to staff and students • Stimulate the faculty to initiate the work in the chosen area of interest and involve students in the project • Motivate the faculty to present the findings in reputed national/International conferences and journals and refine the on-going research work • Stimulate the faculty and student to present/ publish the research papers in national / international conferences /reputed journals • To encourage faculty use this opportunity to work towards a Ph.D. degree • To give impetus and assistance to faculty to apply to funding agencies like AICTE, DST and DRDO for furthering their research work • To kindle interest in students for active involvement in short duration and long duration projects. • To uplift research work to the level of patenting • To liaise with the management for procuring and establishing optimal infra-structure facilities required for research • To identify thrust areas to know the individual research interest. The current demand of the society is for the learned to come down to earth and return to the society what they have received in a more beneficial form. The repute of any educational institution rests on teaching-learning process and R D (Research and Development) activities. Research and Development, therefore, is the backbone for the development of the students, teachers, and the Institution. Basaveshwar Engineering College (A) is conscious of this situation and has been giving dynamic thrust towards developing and augmenting the research activities to keep abreast of the advances in the fields of Engineering Technology. Inculcating research aptitude in faculty members and students has taken priority almost equal to the teaching-learning process. The competency of the students to face the challenges of the society at the end of their four-year tenure will be enhanced not just by their grades and ranks but the ability to apply their knowledge, analyse the problem, synthesize a solution an devaluate the outcome. These skills are developed by working on real time projects during their academic career. Just as much as the teaching learning process is a partnership between the teacher and the student, so also is the research and development process in which the guide and the researcher have equal role to play. The outcome of research should be relevant to the

societal needs. Digital Learning: Instructional Practice/Technology-Enhanced Educational Strategies: Because of this pandemic situation of Covid-19, Online classes have evolved to provide theory knowledge and hands-on experience to all the students with an appropriate schedule. This supplement's teaching and learning in traditional classroom environments as they can provide new opportunities for enriching existing curriculum through creative, authentic and/or flexible, nonlinear learning experiences. It provides space for participation, collaboration, distribution, dispersion of expertise, and relatedness. It helps in share and search for knowledge which contributes to informal learning. One of the biggest challenges in online education is the lack of interaction between students. Online classes try to provide more opportunities for communication. The main objectives of this practice are: • Develop effective self-directed learning skills. • Make the teaching learning process more interesting and to improve student performance in their academics. • Provide hands-on experience and in-depth knowledge by using lecture videos to the students from their first year. • Sharpen critical thinking skills, which are the basis for the development of analytic reasoning. • To use the advanced technology in the teaching learning process. • Post assignments, questions, readings, and grades as well as ways to interact with the students through forums or chats.

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

http://www.becbgk.edu/IQAC/IQAC_Best_Practices.php

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

It was established with the well-defined objective to bring about holistic development of students and to create technically skilled manpower in various fields. It is a result-oriented Society dedicated to the noble cause of Military, General, Technical, Management Education in India. It functions beyond race, caste, creed, religion political spirit. The Society Management is very pragmatic progressive. It has been the Sangha's endeavour to continuously improve its initiatives. Today the Sangha has made a huge foray into the noble field of education, meeting the all-around requirements on various fronts including emerging areas. Sangha has preserved the royal heritage and provided the most modern infrastructure to our institute. With its distinctive mission a history that has made it a leader in the field of education. Education today, not only focuses on imparting knowledge skills but also on the overall development of the students. With state-of-the-art infrastructure and dynamic faculty, Basaveshwar Engineering College (A), is marching ahead on all avenues of education right from primary schooling to specialized technical institutes. With this legacy of over 100 years have enriched the educational scenario in and around Bagalkot, also nationally and internationally by offering a rich heritage, quality education and a dynamic incubation cell for the young minds to perform their ideas. It is convenient and time saving for all professional and experts from various industries to commute to institute for various activities like seminars, workshops, and placement drives. Basaveshwar Engineering College (A) has green lavish campus with plenty of space for all cultural and sports activities. Institute is well considered as first choice and most preferred location for organizing various pool campus and various competitive examinations. The institute has the vision to uplift common masses by rendering value added education. To achieve this institute is continuously working towards creating engineers receptive to the changing demands of the global market.

Provide the weblink of the institution
http://www.becbgk.edu/

8.Future Plans of Actions for Next Academic Year

• Develop networking with manufacturing and IT-industries: Now a days, industries are advancing with implementation of new and latest technologies. Also, automation is one of the most important development in manufacturing industries. Students should be made to upgrade themselves to present market needs. On the other hand, technologies like: Machine Learning, Deep Learning, Artificial Intelligence, Data Science, Python are few technologies wherein IT industries are developing. • Encourage students to opt for summer/industrial training programs: In the present market, Industries are trying to adopt the new technologies and thus changing at very faster rate. Our students are required to keep-up with present industry scenario and their requirements so that the employability can enhance. • Increase the number of students undergoing industrial training/internship: Industrial training gives hands on exposure to students. The gap between industry and academia can be understood better through industrial trainings. Important factor for students is that they can try to match the practical applications of what they have studied as theory subjects during their B.E. degree course. • Increase the number of placements through the activities under 'Alumni Association': Alumni are the best means to guide the students for their future career. May be regarding higher studies or job opportunities. • Increase research publications indexed journals: Let students understand the recent growth or developments in the research of various areas of Engineering and Technology. • Improve perception of the college classroom profile and improve classroom learning: to gain knowledge, classroom is one means and a regularly followed process. This must be more effective and efficient. So the environment for the students to learn should need to be well equipped with smart boards, internet connection, audio, video and visuals etc. • Facilitate Online Interaction with industry experts and subject experts. • Strengthening the Internationalization and Globalization of the College. • possibilities of supplementing Swayam MOOC and implementing it. • Build collaborations with Bodies/Organizations in Technical Education. • Build collaborations with Organizations in Government/Private Sector. • Consider UGC sponsored Centres or Programs that can be implemented. • Upgrade the Infrastructure and Resources to further Empower the College in this Massive Online Shift. • Strengthen efforts towards Mental Health Support in the changed circumstances. • Introduce Online/Offline Skill-based/Value-Added Courses to faculty and students. • Enable Faculty by providing them IT Tools for online teaching. • develop and add an experiential learning component to the Program. • Organize Job Talks and Workshops with Academic and Research institutions. • Organize Pre-Placement Talks, Workshops, and Internship Programs. • focus on Education and Rehabilitation Gender Equality, • Make the College an attractive destination for Recruiters. • Organize Webinars, Conferences, Symposia and Entrepreneurship Programs. • Teaching of large Generic Elective Classes and Skill Enhancement Classes. • Strengthen the working of Career Guidance and Placement Cell.