



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution	BASAVESHWAR ENGINEERING COLLEGE (AUTONOMOUS)
Name of the head of the Institution	Dr.C.B.Shivayogimath
Designation	Principal (in-charge)
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	08354234204
Mobile no.	8310672208
Registered Email	becprincipal@yahoo.com
Alternate Email	injaganeri@gmail.com
Address	S.Nijalingappa Vidyanagar
City/Town	Bagalkot
State/UT	Karnataka
Pincode	587102

2. Institutional Status																			
Autonomous Status (Provide date of Conformant of Autonomous Status)	12-Oct-2009																		
Type of Institution	Co-education																		
Location	Urban																		
Financial Status	state																		
Name of the IQAC co-ordinator/Director	Dr.C.M.Javalagi																		
Phone no/Alternate Phone no.	08354234204																		
Mobile no.	9448751788																		
Registered Email	cmjavalagi@gmail.com																		
Alternate Email	cmjip@becbgk.edu																		
3. Website Address																			
Web-link of the AQAR: (Previous Academic Year)	http://www.becbgk.edu/IOAC.php																		
4. Whether Academic Calendar prepared during the year	Yes																		
if yes,whether it is uploaded in the institutional website: Weblink :	http://becbgk.edu/downloads/Academic%20Calender-2018-19.pdf																		
5. Accrediation Details																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>A</td> <td>3.34</td> <td>2017</td> <td>27-Nov-2017</td> <td>26-Nov-2022</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	A	3.34	2017	27-Nov-2017	26-Nov-2022
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 IQAC		Date & Duration		Number of participants/ beneficiaries															
IQAC meeting		02-Nov-2018		18															

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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
Institution	TEQIP III	World Bank	2017 3	70000000

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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View File](#)

10. Number of IQAC meetings held during the year :

1

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

Yes

Upload the minutes of meeting and action taken report

[View File](#)

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

No

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

II. Adopt and develop strategies based on technological advancements III. To arrange video conferencing with prominent alumni to enhance knowledge of faculty and students IV. To create facilities for solving industrial problems V. To conduct webinars and design MOOC courses to help students for selfstudy VI. To carryout interdepartmental projects VII. To initiate and draw long term strategies for securing quality certification from national and international organizations

[View File](#)

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

Plan of Action	Achivements/Outcomes
Project funding for UG and PG students	Inculcation of research culture among UG/PG studenst

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14. Whether AQAR was placed before statutory body ?	No
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2019
Date of Submission	15-Mar-2019
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	BEC Bagalkot introduces e-governance ERP Software on 13th April 2015 to automation of Academic, Library, Finance, payroll etc. modules. This was procured under TEQIP -II by Masters Software Nagpur Maharashtra. E-governance ERP provides a total online solution for professional college campus administration. SMS and email alert services for students and faculty members are inbuilt within ERP software.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

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

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BE	CSE	Computer Science and Engineering	06/07/2018
Mtech	CSE	Computer Science and Engineering	06/07/2018
MBA	MBA	Management Studies	03/07/2018
BE	AU	Automobile Engineering	02/07/2018
BE	ISE	Information Science and Engineering	15/06/2019
BE	Civil	Civil Engineering	15/06/2019
BE	EE	Electrical and	01/10/2019

		Electronics Engineering	
BE	ME	Mechanical Engineering	07/07/2018
Mtech	ME	Production Technology	07/07/2018
Mtech	ME	Machine Design	07/07/2018
BE	E&C	Electronics and Communication Engg	18/05/2019
MCA	MCA	Computer Applications	15/06/2019
BE	BT	BIOTECHNOLOGY	07/07/2018
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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BE	Computer Science and Engineering	18/01/2019	Advanced Quantitative Aptitude and Soft Skills(UHS002N)	18/01/2019
BE	Computer Science and Engineering	18/01/2019	Career planning and Professional Skills(UHS003N)	18/01/2019
BE	Computer Science and Engineering	18/01/2019	Fundamentals of Quantitative Aptitude and Soft Skills (UHS001N)	18/01/2019
BE	Automobile	01/08/2018	Fundamentals of quantitative aptitude and soft skills	01/08/2018
BE	Electrical and Electronics Engineering	01/10/2019	Exciting Electrodynamics - UEE0010	01/10/2019
BE	Electrical and Electronics Engineering	15/06/2019	Electrical and Electronics Measurements - UEE353C	15/06/2019
BE	Mechanical Engineering	18/01/2019	Fundamentals of Quantitative Aptitude and Soft Skills, (UHS001N)	18/01/2019
ME	Mechanical Engineering	18/01/2019	Career planning and Professional	18/01/2019

			Skills, (UHS003N)	
BE	Mechanical Engineering	01/08/2019	Advanced Quantitative Aptitude and Soft Skills, (UHS002N)	01/08/2019
BE	Electronics and Communication Engg	01/08/2018	Advance C Programming- UEC326CTL, Human Resource Management- UEC325C	01/08/2018
BE	Electronics and Communication Engg	02/01/2019	Fundamentals of Quantitative Aptitude and soft skills- UHS001N	02/01/2019
BE	Biotechnology	25/07/2018	Industrial Management and Entrepreneurship (UBT716H), Industrial Safety and Bioethics (UBT506H)	01/08/2018
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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

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

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Automobile Engineering	01/08/2018
BE	Civil Engineering	01/08/2018
BE	Bio Technology	01/08/2018
BE	Computer Science Engineering	01/08/2018
BE	ELECTRICAL AND ELECTRONICS ENGINEERING	01/08/2018
BE	ELECTRONICS AND COMMUNICATION ENGINEERING	01/08/2018
BE	ELECTRONICS AND INSTRUMENTATION ENGINEERING	01/08/2018

BE	INDUSTRIAL PRODUCTION AND ENGINERRING	01/08/2018
BE	INFROMATION SCIENCE ENGINERRING	01/08/2018
BE	MECHANICAL ENGINERRING	01/08/2018
MBA	MASTER OF STUDIES	01/08/2018
MCA	MASTER OF COMPUTER APPLICATION	01/08/2018
Mtech	STRUCTRAL ENGINERRING	01/08/2018
Mtech	GEOTECHNICAL ENGINERRING	01/08/2018
Mtech	MACHINE DESIGN	01/08/2018
Mtech	Environmental Engineering	01/08/2018
Mtech	POWER AND ENERGY SYSTEMS	01/08/2018
Mtech	DIGITAL COMMUNICATION	01/08/2018
Mtech	PRODUCTION TECHONOLOGY	01/08/2018
Mtech	Computer Science	01/08/2018

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
Technical Talk on "Android App Development"	02/02/2019	60
Workshop on "Internet of Things(IOT)from sensors to cloud and back"	17/02/2019	60
Technical Talk on "Real Time Development and Deployment Cycle"	22/02/2019	60
Fundamentals of Quantitative Aptitude and Soft Skills UHS001N	10/01/2019	70
Advanced Quantitative Aptitude and Soft Skills UHS002N	10/01/2019	70
Career Planning and Professional Skills - UHS003N	10/01/2019	75
Professional Communication Ethics	06/07/2018	94
Finite Elements Methods for Engineers	08/04/2019	60
Soft Skills for Corporate Enablementt	18/01/2019	45
Business Analytics for Managers	19/01/2019	55
Advanced Excel for Managers	02/03/2019	55

Soft skill - I III	01/08/2018	57
Workshop on "Enterprise Application Development Using J2EE"	12/01/2019	60
Introduction to Naval Architecture Marine Engineering, UME825E	01/01/2019	65
Concepts of Design and Engineering of Industrial Piping Systems, UME826E	01/01/2019	43
Project Management, UME819E	01/01/2019	32
Engineering Economics, UME 532E	01/01/2019	57
Aircraft Design and Manufacturing, UME005N	01/01/2019	18
Advance C ProgrammingUEC326CTL	01/08/2018	144
Human Resource Management UEC325C	01/08/2018	139
Fundamentals of Quantitative Aptitude and soft skills UHS001N	02/01/2019	133
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Electrical Science	1
BE	Electrical Science	3
BE	Electrical Science	4
BE	Electrical Science	1
BE	Electrical Science	1
BE	Electrical Science	4
BE	Electrical Science	3
BE	Electrical Science	40
BE	Electrical Science	1
BE	Electrical Science	2
BE	Electrical Science	1
BE	Electrical Science	2
BE	Internship at MCSRDC Design complex HAL, Bangalore , Aeronautics	3
MCA	Project Work	30
BE	Internship	29
BE	Internship	29

MBA	HR, Marketing, Finance Project Phase I & II	55
MBA	Internships	55
BE	In plant training - Internships	33
BE	CompCommunication Network	5
BE	Wireless Cellular and 4G, IOT, Machine Learning, Automatic Garbage Collector Robot	19
BE	Civil Engineering	31
Mtech	Structural Engineering	29
Mtech	Geotechnical Engineering	34
Mtech	Environmental Engineering	28
BE	Instrumentation	11
BE	Electrical Science	1
BE	Electrical Science	1
BE	Electrical Science	16
BE	Electrical Science	2
BE	Electrical Science	1
BE	Electrical Science	11
BE	Biotechnology	12
BE	Civil Engineering	31
Mtech	Structural Engineering	13
Mtech	Geotechnical Engineering	16
Mtech	Environmental Engineering	11
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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

The course wise feedback is obtained from every student at the end of each semester. The feedback is collected through an online process system from the students. The suggestions are analyzed by the concerned HOD. Every question has a weightage up to 10 points. Based on the average points accrued for all the questions the faculty performance level is assessed. The performance of the teacher is graded as below: More than 8 points : Excellent From 6 to 8 : Good

From 5 to 6 : Average Below 5 : The teacher is subjected for any corrective measures as decided by Head of the Department System of reward: Performance rating of faculty through student feedback system is one of the factors in evaluating the annual performance of the faculty. Based on the feedback received from the students the faculty is rewarded by issuing a letter of appreciation from the Head of the Department during the annual day function of the department. Corrective Measures: i) Faculty • The teachers who secure a grade less than 5.0 are counseled by the HOD on how to improve the teachinglearning process. Both study the metrics and the method for effective teaching is charted out, for improvement. • Continuing education programs are conducted for the faculty. • The faculty is deputed for training in their subject domain. ii) Students: Counseling is done for identified weak students. Remedial classes are conducted. iii) Course contents: If suggested by the faculty the modification of the course contents is thought and discussed in the faculty meetings and carried to the consent of BOS. The most common source of input to teaching evaluation is feedback from students. Appraisal and feedback have a strong positive influence on teachers and their work. Feedback system has increased teachers job satisfaction.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BE	Biotechnology	30	30	20
BE	Information Science and Engineering	90	92	92
BE	Automobile Engineering	30	30	15
BE	Electronics & Instrumentation Engineering	30	30	30
BE	Electronics & Communication Engineering	120	120	109
BE	Industrial Production Engineering	30	30	23
BE	Computer Science and Engineering	90	90	83
BE	Electrical & Electronics engineering	60	60	56
BE	Mechanical Engineering	120	120	108
BE	Civil Engineering	120	120	108
MBA	Master of BUsiness Administration	60	60	48

MCA	Master of Computer Applications	60	60	10
Mtech	Digital Communication	18	18	7
Mtech	Computer Science & Engineering	18	18	5
Mtech	Power and Energy Systems	18	18	3
Mtech	Machine Design	18	18	7
Mtech	Production Technology	18	18	6
Mtech	Environmental Engineering	18	18	11
Mtech	Geo Technical	18	18	17
Mtech	Structural Engineering	18	18	14

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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
2018	2835	330	164	41	24

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
205	166	2	35	29	9

[View File of ICT Tools and resources](#)

[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
3165	205	15.43

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
230	206	24	2	82

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Dr.S.H.Jangamshetti	Professor	Best Teacher
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2.5 – Evaluation Process and Reforms

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

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

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
147	3124	4.71

2.6 – Student Performance and Learning Outcomes

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

<http://www.becbgk.edu/> EVERY DEPARTMENT PAGE INCLUDES PO,PSO AND COURSE COUCOMES

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
No Data Entered/Not Applicable !!!					
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2.7 – Student Satisfaction Survey

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

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

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

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

No

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3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
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No Data Entered/Not Applicable !!!

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3.2 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Any Other (Specify)	1	PMKVY	1.98	1.98
Any Other (Specify)	1	KBITS	4.9	4.9
Any Other (Specify)	1	KSBDB	4	4
Students Research Projects (Other than compulsory by the University)	3	NABARD, Bengaluru	107	101
Students Research Projects (Other than compulsory by the University)	5	KCTU, Bengaluru	60.2	30
Projects sponsored by the University	3	KCTU, DIC, Gov. of Karnataka	78.4	28

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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

1

3.3 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Research Avenues in Information Technology	Computer Science and Engineering	03/06/2019
Advances in Computing Technologies and Applications	Computer Science and Engineering	29/10/2018
Block Chain Management	Computer Science and Engineering	03/11/2018
Programming Skill Development	Computer Science and Engineering	30/03/2019
Placement Training	Computer Science and Engineering	25/09/2018
Industry Academia conclave	Automobile	13/07/2019
5 Days FDP on Electrical Vehicles	Electrical and Electronics Engineering	24/07/2019
Overview of Aerospace Industry for Young Engineers	Mechanical Engineering	19/08/2018
Why Engineers? Motivational Talk	Mechanical Engineering	07/10/2018
Oil and gas Industry: An introduction to Budding Mechanical Engineers	Mechanical Engineering	25/11/2018
Automobile and I.C. Engine	Mechanical Engineering	13/10/2019
SDP on gut microbiome for health and disease	Biotechnology	18/09/2018
SDP on Biofuels and Biospecialities	Biotechnology	05/09/2018
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3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Preparation of neem paper	Suprita M Revankar Shweta Shirol	Agasthy foundation	27/02/2019	STUDENT
Center Pivot Irrigation system	Dr. J D Mallapur	Govt. Of Karnataka and DST	02/07/2019	Guide
Smart Gadget for Woman safety using IoT	Dr. J D Mallapur	Govt. Of Karnataka and DST	01/08/2018	Guide
Best Research Paper Award	Dr. Sanjeevakumar	International Conference on	21/09/2018	Research

	M.Hatture	Intelligent Computing and Sustainable System, Akshaya College of Engineering and Technology, Coimbatore, 2021 September, 2018, Coimbatore		
Best Research Paper Award	Dr. Sanjeevakumar M.Hatture	First IEEE International Conference on Advances in Information Technology (ICAIT2019), AIT, Chikkamagaluru,	26/06/2019	Teaching
Young Achiever Award 2018	Dr. S. V. Saboji	Institute for Exploring Advances in Engineering (IEAE).	20/08/2018	Information Technology
Young Scientist Award 2019	Rahul Vasanad	Wildlife Management Technology Bangalore	23/03/2019	Information Technology
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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
NAIN BEC	NAI BEC	KITS, GOK	EUROVOYAGES	EXTERNAL ENTREPRENEUR	01/08/2018
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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Computer Science and Engineering	2
Industrial and Production Engineering	4
MBA	1
Automobile	1
Civil Engineering	7
Electronics and Instrumentation Engineering	4
Electrical and Electronics Engineering	1
Mechanical Engineering	2
Electronics and Communication Engineering	3

Biotechnology	1
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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	Computer Science and Engineering	12	3.03
International	Civil Engineering	19	4.77
National	Civil Engineering	3	1.34
International	Mechanical Engineering	19	0
International	Computer Applications	5	1.26
National	Civil Engineering	4	2.30
International	Civil Engineering	8	4.45

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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
Biotechnology	4
Electronics and Communication Engineering	7
Electrical and Electronics Engineering	1
Electronics and Instrumentation Engineering	3
Civil Engineering	15
Computer Science and Engineering	18

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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
Temperature Controlled Feed unit for life span of filter membranes in water and similar	Filed	41019036	21/05/2018
An electro mechanical system for Prevention of wastage of cold water stored in hot water pipeline	Published	2453/CHE/	27/07/2018
Cookie mix for special needs	Published	41042251	12/09/2018

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3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/

Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
1. Comparative Genomics analysis reveals key genetic factors associated with Probiotic property in, Enterococcus faecium strains",	Vikas C Ghattargi, Meghana Gaikwad, Dhiraj Dhotre, Yogesh Nimonkar, Om Sharma, Yogesh S Shouche, Shrikant Powar and Bharati S Meti	BMC Genomics	2018	2	1. 1. Dept of Biotechnology, Baskaveshwar Engineering College, Bagalkot, India 2. National Centre for Microbial Resource, National centre for Cell Science, Pune, India.	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
No Data Entered/Not Applicable !!!						

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	12	7	6	5
Attended/Seminars/Workshops	2	0	2	0
Attended/Seminars/Workshops	12	3	0	0
Presented papers	12	3	0	0
Presented papers	3	0	0	0
Attended/Seminars/Workshops	2	2	0	0
Attended/Seminars/Workshops	10	3	0	0

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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Automobile	Driving School	BEC(A)	85200
Civil Engineering	Various Consultancies	BEC(A)	1111700
Mechanical Engineering	Calibration	BEC(A)	14010
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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 Data Entered/Not Applicable !!!				
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3.6 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
PMKVY	BEC and Electronics and Automotive Skill Sectors, GOI	4	50
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3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

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

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Swatch Bharat	BEC, Bagalkot	Clean Campus	50	1986
Swatch Bharat	BEC, Bagalkot	Clean Nearby Area	45	352
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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
Collaborative PhD	Pavan Dumbale	TEQIP	3

project with UHS Bagalkot			
Collaborative PhD project with NCCS, Pune	Vikas C Ghattaragi	DBT	3
Induction Program	Students of REC, Bijanoor	TEQIP III	14
Twinning Programme with REC, Bijanoor	Students of REC, Bijanoor	TEQIP III	5
Internship	Students of B.Tech (IT) of REC Bijnor	TEQIPIII	14
Internship	Students of REC, Bijnor	TEQIPIII	7
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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
MOU	Project and Internship	HESCOM Hubballi	01/06/2019	30/07/2019	16
MOU	Project and Internship	AG Electrose rvices Karad, Maharashtra	01/06/2019	30/07/2019	2
MOU	Project and Internship	PRDC Bengaluru	01/06/2019	30/07/2019	1
Placement Training	Pre placement Training	ETHNUS, Bangalore	18/02/2019	22/02/2019	53
Industry Academic Conclave	TEQIPIII	Various Industries in Bangalore	13/07/2019	13/07/2019	Dr.V.S.Puran ik Prof.S.M. Pharsiyawar
Industry Institute Interaction Cell	IIIC	Various Industries in Bangalore	19/06/2019	21/06/2019	Dr.V.S.Puran ik
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3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Infosys Ltd Bangalore	06/12/2018	Enrichment of Technical education and quality of	107

		education	
Medini	24/04/2019	Software training	30
SVSU MI USA	10/01/2019	Internship, on the job training, project work, sharing of research facilities	2
HESCOM Hubballi	10/01/2019	Internship, on the job training, project work, sharing of research facilities	16
KBITS, GOK	01/08/2018	Entrepreneurship Development	40
Global Edge Software Limited	01/08/2018	Placement Activities	46
No file uploaded.			

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
574	532

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Laboratories	Newly Added
Seminar Halls	Newly Added
Classrooms with LCD facilities	Newly Added
Seminar halls with ICT facilities	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Classrooms with Wi-Fi OR LAN	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Others	Newly Added
No file uploaded.	

4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
Easylib	Fully	4.3.3	2002

4.2.2 – Library Services

Library Service Type	Existing	Newly Added	Total
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Text Books	99735	43953356	2592	2319273	102327	46272629
Reference Books	33245	14651118	864	773091	34109	15424209
e-Books	13308	650000	0	0	13308	650000
Journals	163	450000	163	415000	326	865000
Digital Database	10	1475500	11	1487500	21	2963000
CD & Video	5310	0	100	0	5410	0
Library Automation	1	85000	0	0	1	85000
Weeding (hard & soft)	0	0	0	0	0	0
Others (specify)	6150	0	125	0	6275	0
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

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

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	893	31	780	1	7	80	15	100	0
Added	52	1	50	0	0	10	0	200	0
Total	945	32	830	1	7	90	15	300	0

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

300 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
No Data Entered/Not Applicable !!!	

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	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical
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	facilities		facilities
80	75.56	100	97

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

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

<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
No Data Entered/Not Applicable !!!		
View File		

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
Mind Control	12/01/2019	90	Mr.Siddaling Talikoti
Meditation	25/01/2019	95	Mr.S.K. Kuppast
Soft skill	15/06/2019	130	ETHNUS, Bangalore
Fundamentals of Quantitative Aptitude and Soft Skills, UHS001N	19/01/2019	142	Ethnus Trainer, Bangalore
Career planning and Professional Skills, UHS003N	19/01/2019	134	Ethnus Trainer, Bangalore
Advanced Quantitative Aptitude and Soft Skills, UHS002N	01/08/2019	95	Ethnus Trainer, Bangalore

Soft skills	11/01/2019	36	Ethnus
View File			

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2018	GATE Coaching	55	0	1	0
2019	GATE Coaching	100	0	0	0
2019	Career Counselling	0	95	0	16
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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
3	3	16

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
No Data Entered/Not Applicable !!!					
View File					

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

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2018	7	BEC, Bagalkot	Biotechnology	MIT, Manipal MSRIT, Bengaluru Basaveshwar Engineering College, Bagalkot	MTech PG Diploma, BISEP
2018	6	BEC, Bagalkot	EEE	KLETU Hubli, SDM Dharwad, NIE Mysore	M.TECH
2018	3	BEC, Bagalkot	Civil	VTU	Construction Management

2018	2	BEC, Bagalkot	Civil	RAASTA	Transportati on Engineering
2018	11	BEC, Bagalkot	Civil	BEC, Bagalkot	M.Tech
2018	1	BEC, Bagalkot	ISE	BMS College of Engg	M.Tech
2018	1	BEC, Bagalkot	ISE	University of Visvesvar ayya College Bangalore	M.Tech
2018	1	BEC, Bagalkot	ISE	KLE Technolo gical University, Hubballi	M.Tech
2018	5	BEC, Bagalkot	ISE	BEC, Bagalkot	M.Tech
2018	1	VTU Belgaum BEC Bagalkot	Industrial and Production Engineering	JAIN University Bangalore	Post Graduate
2018	1	BE (CSE)	Computer Science and Engineering	IBMR Hubli	MBA
2018	1	BE (CSE)	Computer Science and Engineering	Basaveshwar Engineerig College, Bagalkot	M. Tech. (CSE)
2018	1	BE(CSE)	Computer Science and Engineering	Dr. Ambedkar Institute of Technology, Bangalore	M. Tech. (CSE)
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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
NET	1
GATE	1
GATE	2
GATE	1
No file uploaded.	

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

Activity	Level	Number of Participants
No Data Entered/Not Applicable !!!		
View File		

5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	3 rd prize	National	0	1	2BA 15BT001	Mr. AMrut D. Bhat
2018	3 rd prize	National	0	1	2BA 15BT002	Mr. Pavankumar
2019	cash Prize	National	0	1	BT111	Ms. Suprita Revankar
2019	cash Prize	National	0	1	BT112	Ms. Shwetha Shirol
2019	Best paper award	National	0	1	BT113	Ms Suman H Malagar
2019	Best paper award	National	0	1	BT114	Ms Rushali Patil
2019	Paper presentation	National	0	1	CSE101	Deepak Kulkarni
2019	Paper presentation	National	0	1	CSE102	D Teja
2019	Paper presentation	National	0	1	CSE102	Dheeraj Warkar
2019	Techathon	National	0	1	CSE201	Snehali M K
2019	Techathon	National	0	1	CSE202	and Sahil Hanagi
2019	To be Denni Ritchie	National	0	1	CSE303	Snehali M K
2019	To be Denni Ritchie	National	0	1	CDE302	Sahil Hanagi
2019	Bug C	National	0	1	CSE222	Sahil Hanagi
2019	Bug C	National	0	1	CSE232	Kiran M
2019	IT Quiz	National	0	1	CSE454	Kiran M
2019	Tech Kirti	National	0	1	CSE232	• Rohit S
2018	Coding (Techthon) in Advitiya 2018	National	0	1	CSE345	Rohit Hemadri
2018	Coding (Techthon) in Advitiya	National	0	1	CSE654	Rahul Vasanad

	2018					
2019	Young Scientist Award 2019	National	0	1	CSE654	Rahul Vasanad
2019	Coding & Debugging	National	0	1	CSE034	Pramod B Ukkali
2019	Coding & Debugging	National	0	1	CSE457	Pramod B Ukkali
2019	IEMage (Business Quiz)	National	0	1	IPE09	Prajwal Kumar
2019	IEMage (Business Quiz)	National	0	1	IPE11	Namrata Patil
2019	Galacto 2K19 Human Resource Management	National	0	1	MBA12	Ananda kundagol
2019	Galacto 2K19 Human Resource Management	National	0	1	MBA11	Abdul Jamadar Khadar
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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 co-curricular and extracurricular activities. This is normally done by students associations/Council and student chapters at various department levels and the college Gymkhana. Co-curricular and extra-curricular activities provide opportunities for students to explore new fields of interest, cultivate leadership skills, and build teamwork qualities. All the students participate in a wide-range of activities which currently include the publishing of weekly news letter, developing, nurturing artistic skills. Participation in technical contests viz. quizzes, paper presentation contests, project exhibitions etc. Most of these activities are initiated by the students and are engaged in developing a dynamic culture, fostering collaboration and cooperation on campus. Co-curricular activities: #Each department has a student association/chapter. Every year the co-curricular activities will be organized through these associations. By participating in co-curricular activities students continue to apply the academic knowledge learnt in the classroom to enhance their individual traits. # All departments have a student association/Council for example Civil department Association of Civil Engineers (ACE), Mechanical Engineering department Mechanical Engineering Association (MEA). # Students are part of Board of Governors (BOG) , Academic Council (AC), Board of Studies (BOS) of respective departments.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The Basaveshwar Engineering College, Bagalkot established the Alumni association under the government society act as BECAA (Basaveshwar Engineering College Alumni Association) in the year 2001. The body has 11 directors and 5

office bearers along with more than 500 Alumni members. President : Principal
 Vice president : Shri S. B. Satyanarayan. Secretary : Prof. R T Patil. Joint
 Secretary : Shri Srinivas Chebbi Treasurer : Prof. M. B. Wali.

5.4.2 – No. of registered Alumni:

1000

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

1) Milana2018 Reunion of 19891993 Batch, was organized in the month of July 28 2018. More than 100 Alumnus Participated and shared their experiences. 2) Director of Vineet Technologies, Bristol, United Kingdom, our proud Alumni Vivek Naik addressed our students and motivated on 18/8/2018. 3) Rendezvous 2018 reunion of 19941998 Batch, was organized in the month of Dec 22 2018. More than 50 Alumni Participated and shared their experiences. 4) Rendezvous 2019 reunion of 1994 Batch, was organized in the month of June 15 2019. More than 80 Alumni Participated and shared their experiences.

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

a) Majority of the decisions within the department are made by the respective heads of the departments. b.) Deans posts are created to look after various activities of the college 1. Dr.S.S.Injaganeri Dean Academic and Planning and Development 2. Dr.S.H.Jangamshetti Dean Research and Development b) A core team comprising of senior faculty members lead the major processes in the institute to see that all the processes are intact. c) The list of faculty members incharge of various committees / responsibilities 1 Dr. S. S. Injaganeri TEQIP Coordinator 2 Dr. Mahabaleshwar S.K TEQIP Nodal officer (Procurement) 3 Dr. S.G.Kambalimath TEQIP TEQIP Nodal officer (Finance) and Nodal officer (EAP) 4 Dr. C. M. Javalagi TEQIP Nodal officer (Academics) 5 Prof B. S. Haravi TEQIP Nodal officer (Civil Works) 6 Dr. S. S. Balli Placement officer 7 Prof. B. S. Haravi Development officer 8 Dr. Smt. D. S. Jangamashetti IEEE Student Branch 9. Dr. Mahabaleshwar S.K Gymkhana Chairman 10 Dr. R. L. Naik Twinning COordinator 11 Dr. M. S. Kakkasgeri Campus Networking 12 Dr. S. S. Injaganeri Public Relation Officer 13 Dr. Smt D. S. Jangamashetti Women Development 14 Dr. S. H. Jangamshetti Coordinator PG Studies 15 Dr. V. S. Puranik Entrepreneurship Development Cell 16 Dr. Srikant Karkun Librarian 17 Dr. P. I. Timmangoudar Warden (Boys Hostel) 18 Sri M. M. Japagal Warden (Boys Hostel) 19 Dr. Mahabaleshwar S. K. Warden (Boys Hostel) 20 Shri. C. M. Veerendrakumar Warden (Boys Hostel) 21 Dr. A. V. Sutagundar Warden (Boys Hostel) 22 Sri Brijmohan Vyas Warden (Boys Hostel) 23 Dr. V. S. Soragavi Warden (Girls Hostel) 24 Smt Nanda P. Warden (Girls Hostel) 25 Dr. J. D. Mallapur Warden (Girls Hostel) 26 Smt S. S. Badami Warden (Girls Hostel) d) Delegation of Financial Powers is as shown below: Functionary Financial Powers (up to Rs) Limit for Consumables (Rs) Limit for Non Consumables (Rs) Limit for hiring Services(Rs) Head of the Institute 20,00,000 2,50,000 15,00,000 2,50,000 Head of the Department 1,00,000 10,000 90,000 10,000 Dean 1,00,000 10,000 80,000 10,000 Other Professor 50,000 5,000 40,000 5,000 Associate Professor 25,000 5,000 15,000 5,000 Assistant Professor 20,000 3,000 15,000 2,000

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Admission of Students	<p>Admissions for aided and self-financed programs are made through the selection process of Karnataka Examination Authority (KEA) – Common Entrance Test (CET). Meritorious students are allotted seats through online process. Similar process is adopted for admission through Consortium of Medical, Engineering and Dental Colleges of Karnataka (COMEDK) for self-financed programs. Availability of seats for each program, i.e seat matrix, seat sharing between government managements and fee structure is published on the KEA, COMEDK brochures websites and newspapers. College regularly participates in annual educational fairs and advertises its salient features in leading newspapers, review magazines, etc.</p>
Library, ICT and Physical Infrastructure / Instrumentation	<p>Central Library is housed in a spacious building with built-up area of 1950 sq meters. It has a collection of over 130000 Volumes related to all the branches of Science and Engineering. A large number of National/ International e-journals (10263 collected since from 10 years), e-books (15000 perpetual) and magazines are subscribed. Special Volumes like Handbooks, Standard books, Manuals, Encyclopedias, Technical reports, ISTE Learning Materials, Project Reports, periodicals, Non-Book materials and Conference Proceedings are also available to the students and teachers. The Library and Information Center has computerized its activities and provides the services like lending, over night issue and OPAC facility through touch screen monitor. Digital library service is also on the anvil.</p>
Curriculum Development	<p>Each department has formulated vision and mission which are consistent with the vision and mission of the institution. The departments have defined Programme Educational Objectives (PEO) and Programme Outcomes (PO) for all academic programmes consistent with their respective vision and mission. The Programmes are based on the core value of "Work is Worship" and adhere to Quality Policy. The curriculum is developed to meet the</p>

above objectives of the organization. The curriculum design and development Mechanism is enumerated below,

Level-01_Department: HoD faculty interact with stakeholders and collect feedback. Several meetings at department level are held to analyze the feedback collected. An outline of the scheme is designed upon deliberations. A draft copy of the curriculum is developed. Level-02_BoS: The draft copy of curriculum is presented before the "Board of Studies" (BoS) for scrutiny. The syllabus is discussed in detail and necessary modifications, if any, are incorporated. The final copy of curriculum is submitted by BoS Chairman to Academic Council (AC) for approval. Level-03_AC: Final draft copy of the curriculum is examined and modifications, if any, are suggested to BoS. The final copy of curriculum is submitted to BoG for approval. Level-04_BoG: The Board of Governors reviews the curriculum and approves it for implementation.

Teaching and Learning

College strictly adheres to the Academic Calendar to implement teaching-learning activities. Semester-wise academic calendar is hosted on college website. Teaching Plan: Subject allotment and Time Table, for forthcoming semester, are done at the end of each semester. Faculty members prepare lesson plan (conspectus) as per calendar of events. In principle, all theory courses (core elective subjects) follow lecture method (chalk and board and/or audiovisual aids). In addition to the classroom teaching the other methods of learning experiences provided are: ?

Seminars/workshops/training programs in domain specific areas ? Innovative projects ? Industrial visits ? Field work/Internship ? Organizing project exhibitions cum working model competitions ? Encouraging professional memberships and participation in their technical activities viz. conference symposiums ? Wipro Mission 10X: 40 faculty members (4 from each department) have undergone „Innovative Teaching Methodology Training? by Wipro, Bengaluru. The faculty members train newly appointed teachers. The process has helped in implementation of

new teaching methodologies. The faculty are also trained in different IITs for improvement in Teaching-Learning processes.

Examination and Evaluation

Evaluation Blueprint: Schedule for conducting and evaluation of CIE SEE of both theory and laboratory is prepared by Controller of Examination (CoE). The calendar stipulates the schedules for: Question paper setting, scrutiny, valuation review of manuscripts, conduction of laboratory examination. The Board of Examination (BoE) coordinator monitors the complete examination process. Blooms Learning Levels are adopted in setting of Question Papers.

Admission of Students

Admissions for aided and self-financed programs are made through the selection process of Karnataka Examination Authority (KEA) - Common Entrance Test (CET). Meritorious students are allotted seats through online process. Similar process is adopted for admission through Consortium of Medical, Engineering and Dental Colleges of Karnataka (COMEDK) for self-financed programs. Availability of seats for each program, i.e seat matrix, seat sharing between government managements and fee structure is published on the KEA, COMEDK brochures websites and newspapers. College regularly participates in annual educational fairs and advertises its salient features in leading newspapers, review magazines, etc.

Research and Development

The college has seven departments recognized as research centres of VTU Belagavi. The number of research guides was 40 and large number of PhDs have been produced. The following aspects were considered in the strategic plan ? To increase the number of research centres ? To increase the number of faculty members with Ph. D ? To strengthen the departments recognized as research centres with latest equipment and computational facilities. ? To increase the number of research scholars in each research centres

Human Resource Management

Young faculty members are encouraged (through TEQIP grant) to upgrade qualification to secure intellectual property through the following ? Financial assistance is provided for

filing patents. ? Seed money is provided to in-house faculty who pursue Ph.D in RD centers of college. ? Financial assistance is provided to faculty to attend present research papers in national and international conferences. ? Financial assistance is provided to faculty for attending subject domain workshops/seminars/symposiums. In addition, faculty members can avail: ? Study leave of six months for research scholars. ? Three years deputation to pursue Ph. D. under QIP

Industry Interaction / Collaboration

Institute has already established a very good collaboration with industries and has signed MoUs with 35 Industries/ Companies. Industry experts are involved in various academic bodies (BoS, AC, BoG) To enhance industry related research activities, Industry institute conclaves were held at Bangaluru Pune Goa Hyderabad Mumbai Further, college has planned to enhance industry-institute collaboration through: # Specialized subject teaching by industry experts # Faculty deputations to industry for research/ training # To organize executive meets regularly and nourish good relationship with industrialists # To motivate faculty to take up industry sponsored RD projects

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

E-governance area	Details
<p>Planning and Development</p>	<ul style="list-style-type: none"> • Strategic plan of the institution is approved by the Board of Governors(BOG) and Governing Council (GC). • Long term development plan are approved for institution by BOG and GC • Department wise vision, mission, and long term development plans are devised and the documents are submitted to NPIU as IDP • Board of governors (BOG) is constituted on 24.06.2011 • Departmental level annual budgets are prepared by respective departments. • Annual budget of the college is prepared and approved by GC and BOG. • BOG regularly meets to review the progress and it has met times 8 since 1.04.2017 inception on the following dates
<p>Administration</p>	<ul style="list-style-type: none"> • Governing Body has clearly specified the roles and responsibilities for establishing and monitoring the

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

Finance and Accounts

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

Student Admission and Support

Students admissions are carried out through ERP and all information related to students admission and other aspects are maintained in a database which will help in retrieving the needy information.

Examination

Since inception of Autonomy (A.Y 2007-08), the examination work has been automated. A dedicated software development team is responsible for implementing the software. The software is being developed as intranet Webbased application. JAVA, MySQL, Crystal Reports are tools used for the development of user interfaces, database and report generation. The following modules are implemented as per the autonomy guidelines of VTU. • Administrator Module: The module is used only by Administrator of the entire exam section. It is used for creation of login credentials for HOD's and faculty for various modules and Lots of settings are also carried out by admin like database settings, odbc settings, IP configuring etc., • Registration Module: This module is used for online registration of subject offered by the department, faculty handling and also registration of subjects by the student. • CIE Module: ? In this module admission tickets for CIE tests are generated for the students. ? This module also used for entry of CIE marks (like tests marks, assignment marks, laboratory marks etc.) by the concerned subjects handling faculty using login credentials. ? Online Dropping and Withdrawal of subjects is carried out using this module. • Student Feedback

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

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
No Data Entered/Not Applicable !!!				
View File				

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

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
No Data Entered/Not Applicable !!!						
No file uploaded.						

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
No Data Entered/Not Applicable !!!				
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
2	2	5

6.4 – Financial Management and Resource Mobilization

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

YES The institute regularly conducts the internal financial audits and external financial audits regularly by Chartered Accountants. They provide audited report which are discussed in various governing bodies like Governing Council (GC) and Board of Governors(BOG).

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
No Data Entered/Not Applicable !!!		
View File		

6.4.3 – Total corpus fund generated

42181742

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	IIT Hyderabad	Yes	Head of the Institution along with Dean Academic
Administrative	Yes	CA auditor	Yes	Internal auditor

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

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

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

1. Deputation of staff for technical training programmes 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
2019	IQAC meeting	02/11/2018	02/11/2018	02/11/2018	18
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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
Seminar on Open Source Tools Opportunities in Higher studies	05/01/2019	05/01/2019	36	64
Talk on Women Empowerment in Engineering Science	07/03/2019	07/03/2019	120	0
Talk on Role of Women in Technical Education	09/03/2019	09/03/2019	120	0
Entrepreneurship Awareness Programme for girl students	30/03/2019	30/03/2019	78	0
Interview Techniques and Mock Interview	05/04/2019	05/04/2019	142	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

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, etc. Two research centres for RES applications and SCADA for Distribution Automation for campus Energy Management are established. M.Tech students and research scholars work in the said areas to develop new technologies in EA and use of RES. The department of Biotechnology looks after the research development in the area of Biomass and Biofuels. The department has established Biofuel Manufacturing facility with the help of Karnataka State Biofuel Development Board. The department also looks after the activities of BECSTEP. Details are available at <http://www.becbgk.edu/step.php> Health Audit: A Clinic with qualified doctor and nursing staff is on the campus. Regular health checkup and blood donation camps are conducted through Red Cross Society of the college. Faculty, staff and students with health problems if any are referred to campus clinic for investigation. For any severe health related issues or emergencies the cases are referred to BVV Sangha's Medical College hospital situated 2.5 km away from College. Firstaid kit is available in all departments of the college for attending to minor injuries if any at the work place. The college also invites specialized doctors to speak on health issues and interact with faculty, staff and students. Information about group health insurance schemes is made known to the faculty, staff and students.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	4
Ramp/Rails	Yes	7
Rest Rooms	Yes	3

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
No Data Entered/Not Applicable !!!							
No file uploaded.							

7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
No Data Entered/Not Applicable !!!		

7.1.6 – Activities conducted for promotion of universal Values and Ethics

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

#Governance Reforms Student Representation in BoG, AC and BoS #Curricular Reforms Introduction of Basic Engg. Lab at first year Workshop Practice #Examination Reforms Indigenous developed Examination Software External Audit of Examination Process #Academic Excellence Postgraduate students are provided an opportunity to undergo training at IITs and IISc for enhancing their teaching and research skills. Objective is to develop well trained manpower for engineering education sector, Top six meritorious students from each PG program are given monthly stipend on par with GATE students, Senior faculty are deputed to IITs/IIMs/IISc for management capacity building workshops, Younger faculty are deputed to IITs/IIMs/IISc for pedagogy and outcome based education workshops, Seed Money: In house faculty who have registered for Ph.D are provided with seed money to help them for their research #Research Publications To enhance the number of quality research papers in reputed Journals Financial support to faculty members under TEQIP for publishing papers in paid journals It is mandatory for a faculty to present a technical paper Only TWO faculty members in each discipline are permitted to attend the conference Only 75 percentage of the estimated budget is sanctioned prior to attending the conference The faculty need to share the knowledge amongst the fellow colleagues and students upon return #Funding student projects UG Students - Rs. 25000/ PG Students - Rs. 50000/ # Research Assistantship (RA) Teaching Assistantship (TA) TAs - Rs. 12000/ RAs - Rs. 24000/ Seed money - Rs. 1.50 lakhs to the faculty is provided for research # Incentives to Teachers Book Writing Developing Teaching Learning Resource Material Publication in Refereed

Journals 75 percentage of fees for joining/renewal of membership to professional bodies 5.0 percentage of the sanctioned research grant to faculty #Industry Institute Interaction Six Industry conclaves have been conducted #Quality Assurance External - NBA/ NAAC (ongoing)/ Feedback from stakeholders # Equity Assurance Remedial classes EAP programmes # Model Curriculum of AICTE introduced and Basic Science Subjects Curriculum oriented stream wise for 20182019 # Basic Engineering laboratory introduced for 1st year UG students from 2015-16 # Interdisciplinary courses such as renewable energy, Biofuel, mathematical modeling and environmental impact assessment are introduced #Open Electives offered across all the departments #Mini Projects, internships introduced #Use of composite material instead of mild steel in fitting job of workshop practice #Mandatory Courses offered (noncredit) Constitution of India, Professional Ethics, Environmental studies and IPR #Orientation Programme introduced for I Year Students #Student representation on BoS, AC and BoG

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/NAAC.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

The vision of institute is to be recognized as a premier technical institute committed to developing exemplary professionals, offering research based innovative solutions and inspiring inventions for Holistic Socio Economic Development. The college has been placed in the rank 191 at All India Level by NIRF, MHRD, New Delhi. Provision has been made for promoting Innovative research by providing financial assistance to students and faculty. The college has an Institutional Development Plan (IDP) prepared in the year 201011, which is a 10 year roadmap to achieve academic excellence. IDP was strategically developed based on resource centric methodology for SWOC analysis. The five resources are Human, Organizational, Technological Infrastructural, Relational and Financial. Baseline data of the college related to these resources was considered to evolve strategic objectives and key activities. Action plan to implement and attain the set targets to achieve academic excellence was also prepared. SWOC analysis of BEC was carried out with meticulous efforts of all stake holders. A core committee consisting of Principal, HoDs three faculty members from each department participated in SWOC analysis. Mentoring from Department of Management studies, IIT Madras was sought to train the core committee for carrying out BEC SWOC analysis. More than 1000 person days of the BEC core committee were spent to evolve the IDP. a) Teaching and learning • Faculty qualification upgradation by deputing them for higher studies to institutes of higher learning (IITs/IISc/NITs) •To provide training programs on use of modern teaching aids in effective teaching b) Research and development •To increase the number of research centres •To increase the number of faculty members with Ph. D c) Community engagement •Mobile water testing laboratory established by civil department • Ground water study in Upper Krishna Basin by Dept. of Civil Engg. •Tissue culture techniques developed by Biotechnology dept. are used by college Alumni to start up company named Vaikuntha Biotec d) Human resource planning and development •Financial assistance is provided for filing patents. •Seed money is provided to inhouse faculty who pursue Ph.D in RD centers of college. •Financial assistance is provided to faculty to attend present research papers in national and international conferences. e) Industry interaction •Faculty deputations to industry for research/ training •To organize executive meets regularly and nourish good relationship with industrialists •To motivate faculty to take up industry sponsored RD projects • Elective Courses are being offered by industry personnel Industry related

projects are undertaken by students f) Internationalization •Faculty members are involved in collaborative teaching and research activities with foreign universities •Delegates/experts from foreign universities have visited the institutes on several occasions h)To get NIRF ranking within 100 i) To implement Strategic plan of the college

Provide the weblink of the institution

<http://www.becbgk.edu/>

8.Future Plans of Actions for Next Academic Year

The college has an Institutional Development Plan (IDP) prepared in the year 201011, which is a 10 year roadmap to achieve academic excellence. IDP was strategically developed based on resource centric methodology for WOC analysis. The five resources are Human, Organizational, Technological Infrastructural, Relational and Financial. Baseline data of the college related to these resources was considered to evolve strategic objectives and key activities. Action plan to implement and attain the set targets to achieve academic excellence was also prepared. SWOC analysis of BEC was carried out with meticulous efforts of all stake holders. A core committee consisting of Principal, HoDs three faculty members from each department participated in SWOC analysis. Mentoring from Department of Management studies, IIT Madras was sought to train the core committee for carrying out BECSWOC analysis. More than 1000 person days of the BEC core committee were spent to evolve the IDP. a) Teaching and learning •To attract quality students by improving academic performance of students •To upgrade the classrooms to digital classrooms with WiFi Connectivity b) Research and development •To strengthen the departments recognized as research centres with latest equipment and computational facilities. •To increase the number of research scholars in each research centres c) Community engagement •Crime tracking system developed by MCA Dept. is used by SP office Bagalkot District •Water quality testing for Bagalkot and Bijapur district by Dept of Civil Engg. •Renewable Energy Park established by Dept of EE: creation of awareness about applications of renewable energy devices to community •Bio Fuel Center: creation of awareness about seed collection and bio diesel production activity •STEP activities for technology transfer in the thrust areas of food processing and textiles d) Human resource planning and development •Financial assistance is provided to faculty for attending subject domain workshops/seminars/symposiums. In addition, faculty members can avail: •Study leave of six months for research scholars. •Three years deputation to pursue Ph. D. under QIP e) Industry interaction •Institute has already established a very good collaboration with industries and has signed MoUs with 35 Industries/ Companies. Industry experts are involved in various academic bodies (BoS, AC, BoG) •Specialized subject teaching by industry experts f) Internationalization •The management has MoU with Sagina valley state university Michigen for faculty exchange activities and Dew Mobility Fremont, USA •During the year 201213 college was accredited by International Accreditation Organization (IAO)USA g)To achieve 100 percent accreditation for UG And PG departments h)To get NIRF ranking within 100 for the college i) To apply for ABET accreditation