# Yearly Status Report - 2017-2018

| Part A | |
|---|---|
| **Data of the Institution** | |
| **1. Name of the Institution** | **BRINDAVAN COLLEGE OF ENGINEERING** |
| Name of the head of the Institution | **Dr. B R Niranjan** |
| Designation | **Principal** |
| Does the Institution function from own campus | **Yes** |
| Phone no/Alternate Phone no. | **08023478388** |
| Mobile no. | **9606487204** |
| Registered Email | **engineering@brindavancollege.com** |
| Alternate Email | **beprincipal@brindavancollege.com** |
| Address | **Bagalur Main Road, Dwarakanagar Yelahanka,** |
| City/Town | **Bangalore** |
| State/UT | **Karnataka** |
| Pincode | **560063** |

## 2. Institutional Status

| | |
|---|---|
| Affiliated / Constituent | **Affiliated** |
| Type of Institution | **Co-education** |
| Location | **Urban** |
| Financial Status | **private** |
| Name of the IQAC co-ordinator/Director | **Prof. Venkatesha G** |
| Phone no/Alternate Phone no. | **08028478388** |
| Mobile no. | **9902343739** |
| Registered Email | **engineering@brindavancollege.com** |
| Alternate Email | **hodece@brindavancollege.com** |

## 3. Website Address

| | |
|---|---|
| Web-link of the AQAR: (Previous Academic Year) | [https://www.brindavancollegeofengineering.com/pdf/08.%20SSR-2017.pdf](https://www.brindavancollegeofengineering.com/pdf/08.%20SSR-2017.pdf) |

| | |
|---|---|
| **4. Whether Academic Calendar prepared during the year** | **Yes** |
| if yes,whether it is uploaded in the institutional website: Weblink : | [https://www.brindavancollegeofengineering.com/pdf/02.%202017_18_EVEN_SEM_COE.pdf](https://www.brindavancollegeofengineering.com/pdf/02.%202017_18_EVEN_SEM_COE.pdf) |

## 5. Accrediation Details

| Cycle | Grade | CGPA | Year of Accrediation | Validity | |
|---|---|---|---|---|---|
| | | | | Period From | Period To |
| **1** | **A** | **3.02** | **2017** | **27-Nov-2017** | **26-Nov-2022** |

| | |
|---|---|
| **6. Date of Establishment of IQAC** | **24-Oct-2016** |

## 7. Internal Quality Assurance System

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

| Academic Audit | 15-Mar-2018 1 | 15 |
| --- | --- | --- |
| IQAC Meeting | 01-Dec-2017 1 | 10 |
| IQAC Meeting | 01-Feb-2018 1 | 10 |
| IQAC Meeting | 02-May-2018 1 | 10 |
| [View File](#) | | |

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

| Institution/Department/Faculty | Scheme | Funding Agency | Year of award with duration | Amount |
| --- | --- | --- | --- | --- |
| No Data Entered/Not Applicable!!! | | | | |
| No Files Uploaded !!! | | | | |

| **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 :** | **3** |
| 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)**

1.Introduction of ICT enabled Class Rooms 2. Deputing faculty members to FDPs/Conferences/ Workshops 3. Swatch Bharath Abhiyan/ Traffic Awareness / Blood Donation Camps – ISR Activities 4. Updation of Employees Service Policies 5. Emphasis on faculty registration to NPTEL and other MOOC Courses

[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 |
| --- | --- |
| Introduction of ICT Based Class rooms | Wifi connections, internet facilities are enabled at each department for ICT teaching learning |
| Deputing teaching and non teaching staff various training programs | Emphasis has been given to teachres training programs by deputing them to various FDPs, Special care has taken to the staff those who have less than years of experiencenewly appointed s |
| ISR Activities | Institute Social Responsibilty activities are taken with the NSS wing. |
| Emphasis on Swayam NPTEL MOOC courses | NPTEL Nodal centre has been established. All the teaching faculty have been directed to register for online courses under NPTEL and other MOOC Courses |
| [View File](#) | |

| | |
| --- | --- |
| **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 | 2018 |
| Date of Submission | 10-Feb-2018 |
| **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) | Management Information System has been implemented Partially in the institute. 1. Optra India MOU has been signed with Optra India for student attendance aministrative systems. Daily attendence will be updated online. Absentees information will be intimated to the respective parents through SMS. Reports will be generated. 2. Easy Lib: Library automation is inpractice. With the help of Easy Lib, categorization of books , Issue and borrow of books with the help barcode detection is made easy. HR Department has got its own management information system to handle recruitment and performance analysis of |

the staff members. Accounts Departmen has its own information system to manage the whole accounts of the college. With the help of IT departments established in the campus, it is able to manage college web portal and other management information system.

## Part B

## CRITERION I – CURRICULAR ASPECTS

### 1.1 – Curriculum Planning and Implementation

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

Being the affiliated institute, the institute implements the curriculum prescribed by Visvesvaraya Technological University. For effective execution of the curriculum, the following process is developed and deployed. Proposal for effective execution of curriculum: At the beginning, the Principal of the college conducts meetings with the numerous department heads to architect strategies for active implementation of the curriculum. Teachers are fortified to instruct the curriculum through pioneering teaching methods such as demonstrations, assignments, discussions, workshops, seminars and industrial visits besides the regular/traditional chalk and talk procedures .We follow the academic calendar provided by the University which is circulated to all departments at the beginning of the semester we prepare Objective driven Teaching Plan. Faculty members keep on maintain course booklet throughout semester. The College encourages its faculty members to take part in Orientation/Refresher Courses/ Workshops/ Seminars organized by the University so as to update their knowledge and to improve the teaching practices. The college offers sufficient books and other teaching and reference materials like journals, magazines, teaching models and software to enable its teachers to make sure effective delivery of curriculum. Library committee conducts meeting and takes appropriate decision regarding the requirement and procurement of books, journals, e-journals. Ensuring staff have opportunities for keeping their skills and industry/business expertise up to date Boosting faculty members to evaluate their own learning and teaching practice. Further Hopeful innovation in learning and teaching – planning how practice can be shared amongst lecturers Establishing MOUs with various industries and institution. Every Faculty member is tried to achieve PEOs and POs- Programme Educational Objectives and program objective of each branch of study are framed. The students of that branch would have gained strong fundamental knowledge, acquired enough managerial skill and developed an inclination for lifelong learning. The teaching and laboratory plans are approved by Head of Department (HOD) before the start of semester and communicated to students by respective course teacher. The course files are assessed by Internal Quality Assurance Committee (IQAC) with help of concerned senior subject teacher and HOD. IQAC monitors the academic activities on consistent regular basis to ensure the execution of timetable. It also monitors execution of academic calendar and teaching learning process and finds the gap, if any. For a group of around 20 students a teacher is allocated as Mentor. Mentor conducts a weekly meeting and does the counselling of poor performing students. The academic performance of students is continuously monitored by conducting unit tests, mock practical examinations during the semester. Bridge courses are organized and conducted for the first year students and lateral entry students to help them understand basic concepts of Mathematics and Engineering. Employing learner centric

techniques such as assignments, peer learning, group discussion, brain storming, use of NPTEL lectures, case studies, projects, quiz etc., in the delivery of the academic courses. Views of experts from industry, academia and alumni on curriculum are taken regularly. Feedback from industry and alumni is given due importance in defining graduate attributes and design of course outcomes

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

| Certificate | Diploma Courses | Dates of Introduction | Duration | Focus on employ ability/entreprene urship | Skill Development |
|---|---|---|---|---|---|
| NIL | NIL | Nil | Nil | NIL | NIL |

## 1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

| Programme/Course | Programme Specialization | Dates of Introduction |
|---|---|---|
| Nill | NIL | Nill |
| No file uploaded. | | |

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

| Name of programmes adopting CBCS | Programme Specialization | Date of implementation of CBCS/Elective Course System |
|---|---|---|
| BE | CSE/CV/EC/ISE/ME | 01/08/2017 |

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

| | Certificate | Diploma Course |
|---|---|---|
| Number of Students | 0 | 0 |

## 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 |
|---|---|---|
| Seminar on Embedded C Coding | 05/09/2017 | 30 |
| Hands on workshop on Networking and computer organization | 10/10/2017 | 42 |
| Technical talk on Emerging Trends in Radar technology | 13/11/2017 | 62 |
| Technical Talk on Introduction to Semiconductor Industry Challenges and Opportunities | 12/02/2018 | 72 |
| Technical Talk on How to Build robot from Scratch | 27/02/2018 | 129 |
| Technical Talk on Electronics Product Development flow and | 21/03/2018 | 48 |

| Carrer in Global Electronics Industry | | |
|---|---|---|
| Technical Talk on Carrer Opportunities with GATE | 03/05/2018 | 68 |

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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 | ECE student Projects | 87 |
| BE | Civil Student projects | 84 |
| BE | CSE Stuent Projects | 61 |
| BE | ISE Student projects | 28 |
| BE | Mech Student Projects | 90 |
| MCA | MCA Student projects | 15 |

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## 1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

| Students | Yes |
|---|---|
| Teachers | Yes |
| Employers | No |
| 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

Objective of the practice: The goal of feedback system is to focus on the purpose of enhancing the quality of teaching and learning. This system promises quality assurance to the students for their well-being. The Context: The feedback system was implemented for student's welfare to upgrade communication, curriculum, physical activities etc. Feedback system focuses on: • Evaluation of teaching and learning abilities. • Students affairs and concerns • Enhancement and development of infrastructure • Strengthening the overall academic environment. Feedback system also concerns on library facilities, transportation, Internet/ Wi-Fi facilities, water, sanitation and hygiene in the campus. Suggestions from students are considered for the betterment of facilities been provided. The Practice: The feedback is taken once in a semester, various faculties are assigned to coordinate. This system contains a central feedback coordinator and also coordinators at department level for the smooth conduction of activity. Feedback contains questionnaires, answered by students by selecting appropriate options. The questionnaire mainly concentrates on teaching- learning aspects, followed by a comment section which helps students to give suggestions. This feedback provides appropriate guidance for improvement. Hence, encourages students to a give their free and fair feedback. Evidence of Success: • The feedback report helps the faculties about the areas of improvement and deliberately makes effort for the same. • The Institution has enabled Wi-Fi service.

## 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 |
|---|---|---|---|---|
| Mtech | Machine Design | 30 | 5 | 0 |
| Mtech | Structural Engineering | 30 | 20 | 7 |
| MCA | MCA | 60 | 10 | 3 |
| MBA | MBA | 60 | 25 | 11 |
| BE | MECH | 120 | 55 | 38 |
| BE | ISE | 60 | 40 | 24 |
| BE | ECE | 120 | 70 | 45 |
| BE | CIVIL | 120 | 50 | 47 |
| BE | CSE | 120 | 130 | 114 |
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### 2.2 – Catering to Student Diversity

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

| Year | Number of students enrolled in the institution (UG) | Number of students enrolled in the institution (PG) | Number of fulltime teachers available in the institution teaching only UG courses | Number of fulltime teachers available in the institution teaching only PG courses | Number of teachers teaching both UG and PG courses |
|---|---|---|---|---|---|
| 2017 | 1218 | 64 | 161 | 25 | 2 |

### 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 |
|---|---|---|---|---|---|
| 186 | 140 | 10 | 5 | 0 | 0 |
| View File of ICT Tools and resources | | | | | |
| No file uploaded. | | | | | |

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

Mentoring of students thus, is an essential feature to render equitable service to all our students having varied background. Student-mentorship has the following aims: a. To enhance teacher-student contact hours b. To enhance students' academic performance and attendance c. To minimise student drop-out rates d. To identify and understand the status of slow learners and encourage advanced learners e. To render equitable service to students The institute has followed the suggestion made by IQAC to introduce the mentoring system. The importance of integrating the system for enhancing students' performance. With a wide variation in the student population in regard to educational and economic background, the system promises to provide a better understanding of individual students and bring out their highest potential. It also appears to be the most effective method/weapon for mitigating cases of those students who are vulnerable to drop-out from studies. Design

Implementation: The IQAC had taken the initiative of implementing the mentoring of students. Students are categorised based on the streams of studies and also according to their core subjects. They are divided into groups of 10-15 depending on the number of students. Each group is assigned a teacher-mentor who would perform mentoring duties. After collecting all necessary information, Mentors are expected to offer guidance and counselling, as and when required. a. It is the practice of Mentors to meet students individually or in groups. b. In isolated cases parents are called for counselling/special meetings with the Principal at the suggestion of the Mentor. c. If a student is identified as having weakness in particular subject, it is the duty of the Mentor to apprise the concerned subject teacher. Targets achieved The Remedial Classes have been institutionalised after the implementation of the Mentoring System. Need-Based remedial classes have proved to be beneficial to the students in particular and the entire college in general. The institutional practice of Mentoring System has considerably enhanced the campus environment and brought about: ? Enhanced contact hours between Mentors with their respective students ? Improvement in students' attendance records ? Minimised student drop-out rates (apparently due to Mentors' intervention before a student falls short of attendance or has been regularly abstaining from classes) ? Identification of slow learners for conducting Remedial Classes ? Advanced learners identified and encouraged with incentive prizes

| Number of students enrolled in the institution | Number of fulltime teachers | Mentor : Mentee Ratio |
|:---:|:---:|:---:|
| 1282 | 186 | 1:7 |

## 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 |
|:---:|:---:|:---:|:---:|:---:|
| 186 | 186 | 0 | 8 | 17 |

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

| Year of Award | Name of full time teachers receiving awards from state level, national level, international level | Designation | Name of the award, fellowship, received from Government or recognized bodies |
|:---:|:---:|:---:|:---:|
| 2017 | NIL | Nill | Nill |
| 2018 | NIL | Nill | Nill |
| No file uploaded. | | | |

## 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 |
|:---:|:---:|:---:|:---:|:---:|
| BE | CV/CS/EC/IS/ME | EVEN | 26/05/2018 | 18/08/2018 |
| BE | CV/CS/EC/IS/ME | ODD | 15/11/2017 | 24/02/2018 |
| [View File](#) | | | | |

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

Brindavan College of Engineering is affiliated to VTU and as per University Guidelines the College adheres to the Internal Evaluation System prescribed by the University. The University has Specified Three Internal Tests per semester along with assignments. The tests are conducted by the respective departments

of the college for each and every subject. The assignments are given by the respective subject teachers covering important questions from the syllabus. The Tests conducted following all the rules and regulations of the University including seating arrangements. Every student has a subject wise blue book for writing the test and this test book is kept with the college for a period of five years. The design of the blue book has been made specifically for the college/department requirements and is unique to Brindavan College of Engineering. The Assignments are written in a pink book and the design of this book is also in accordance with the respective department requirements. The students of the science stream conduct experiments in their respective laboratories and this forms an integral part of the internal evaluation. The Practical Record books are maintained for each student in subjects for which practical experiments are conducted. Apart from the tests and assignments the students are assessed in their presentation skills. Every student is required to make a presentation in respective subjects and topics. The respective subject teacher assesses the student and assigns marks. The marks for presentations and class participation are considered for the final Internal Assessment which is a University Requirement. The College and respective departments systematically plan many activities/events and competitions for students. The students are evaluated on the basis of their participation and certificates and prizes are distributed. Students are also assigned case studies to analyze and present in the class. The case studies allow the students to display their analytical skills and logical thinking acumen. The participation of students in case study activities is also considered for internal evaluation under the presentation and class participation criteria for internal assessment. The documents maintained in this regard are as follows: a) Test Answer Booklets b) Assignment Booklets c) Internal Scheme d) Internal Evaluation of Students in Prescribed Format

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

The Academic Calendar of the Institution is prepared keeping in mind the Academic Calendar issued by the University. The University releases the academic calendar for each semester through hard copy and soft copy. Once the academic calendar is received from the University the respective departments will prepare the department calendar of events in line with the University Calendar of Events. The Academic Calendar received from the University specifies the following schedule of dates: 1. Class Commencement date 2. Last Working Day 3. Commencement date of First Internal Tests 4. Commencement date of Second Internal Tests 5. Commencement date of Third Internal Tests 6. Internal Assessment Submission Date 7. Practical Examination Dates 8. Theory Examination Dates The Department Calendar is prepared keeping in mind the Academic calendar dates received from the University. The Department Calendar will include the following: 1. Class Commencement date 2. Last Working Day 3. Commencement date of First Internal Tests 4. Commencement date of Second Internal Tests 5. Internal Assessment Submission Date 6. Practical Examination Dates 7. Theory Examination Dates 8. Guest Lecture Dates 9. Industrial Visit Dates 10. Workshop/Training Related Dates The department calendar is circulated to all the concerned students and faculty members and is displayed on the notice boards. The department along with the Principal have regular meeting and review the progress of activities mentioned in the academic calendar. Due to certain unavoidable reasons such as bundhs/strikes the department calendar will need to be adjusted or modified in consultation with the respective HOD's and Principal.

## 2.6 – Student Performance and Learning Outcomes

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

2.6.2 – Pass percentage of students

| Programme Code | Programme Name | Programme Specialization | Number of students appeared in the final year examination | Number of students passed in final year examination | Pass Percentage |
|---|---|---|---|---|---|
| M.Tech - SE | Mtech | STRUCTURAL ENGG | 14 | 14 | 100% |
| MBA | MBA | MBA | 16 | 13 | 81.25% |
| MCA | MCA | MCA | 16 | 15 | 93% |
| BE | BE | IS | 14 | 10 | 71% |
| BE | BE | CS | 64 | 54 | 84% |
| BE | BE | CV | 84 | 74 | 88% |
| BE | BE | MECH | 92 | 91 | 99% |
| BE | BE | ECE | 61 | 55 | 88.71% |

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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)

# CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

## 3.1 – Resource Mobilization for Research

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

| Nature of the Project | Duration | Name of the funding agency | Total grant sanctioned | Amount received during the year |
|---|---|---|---|---|
| Students Research Projects (Other than compulsory by the University) | 70 | KSCST | 0.07 | 0.07 |

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## 3.2 – Innovation Ecosystem

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

| Title of workshop/seminar | Name of the Dept. | Date |
|---|---|---|
| Repair, Rehabilitation Retrofitting of Concrete Structures | Department of Civil | 06/02/2018 |
| Intellectual property rights:Driving patents and profitability, the IPR way | MBA | 31/01/2017 |

**3.2.2** – 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 |
|---|---|---|---|---|
| Industrial Visit on Stock Market | Certificate of Appreciation | Stock Market Institute,Bangalore | 20/04/2017 | Student Development – IV |
| Career Counselling programme | Certificate of Appreciation | The Institute of Charted Accountants of India(ICAI) | 10/11/2017 | Student Development |
| View File | | | | |

**3.2.3** – 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 |
|---|---|---|---|---|---|
| No Data Entered/Not Applicable !!! | | | | | |
| No file uploaded. | | | | | |

## 3.3 – Research Publications and Awards

**3.3.1** – Incentive to the teachers who receive recognition/awards

| State | National | International |
|---|---|---|
|  | 1 | 5 |

**3.3.2** – Ph. Ds awarded during the year (applicable for PG College, Research Center)

| Name of the Department | Number of PhD's Awarded |
|---|---|
| No Data Entered/Not Applicable !!! | |

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

| Type | Department | Number of Publication | Average Impact Factor (if any) |
|---|---|---|---|
| International | MECHANICAL ENGINEERING | 6 | 3 |
| International | ISE | 4 | 3 |
| International | CSE | 1 | 3 |
| International | ECE | 3 | 3 |
| National | MBA | 3 | 3 |
| View File | | | |

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

| Department | Number of Publication |
|---|---|
| CSE | 4 |
| ISE | 3 |
| MECHANICAL | 1 |
| MBA | 5 |
| View File | |

**3.3.5** – 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 |
|---|---|---|---|---|---|---|
| Microstructure Mechanical properties of Cu-coated Al2o3 particulate reinforced 6061 Al metal matrix compositescrpo | Bharath V | materials proceedings, Elsevier | 2017 | 1 | NO | 1 |
| Characterization Mechanical properties of 2014 Al-alloy reinforced with Al2o3 composites produced by Two stage stir casting route | Bharath V | Springer | 2018 | 0 | NO | 0 |
| Effect of friction at the pin plate interface in composite laminated structure using FEM/ANSYS | Syed Imran ishaqi, Azeem pasha, Shuib pasha, Tariq hafeezi, and Md.Ata ullah | IJCRT | 2017 | 0 | NO | 0 |
| Evaluation of mechanical properties for polyethylene Butt welded joint formed by friction | Harish kumar | IJSR | 2018 | 0 | NO | 0 |

| | | | | | | |
|---|---|---|---|---|---|---|
| stir welding | | | | | | |
| Effect of friction at the pin plate interface in composite laminated structure using FEM/ANSYS | MD ATAULLAH | IJCRT | 2018 | 0 | NO | 0 |
| Effect of composite biodiesel of pongamia waste cooking oils and its diesel blends on performance and emission characteristics of CI ENGINE | Dr.TILAK .S.R | IEEE | 2018 | 0 | NO | 0 |
| Balancing Trade-off between Data Security and Energy Model for Wireless Sensor Network | Manjunath B E Dr. P V Rao | International Journal of Electrical and Computer Engineering (IJECE) | 2018 | 0 | YES | 6 |
| Authenticated Encryption for Wireless Sensor Network | Manjunath B E,Manjunath M | International Journal of Electrical and Computer Engineering (IJECE) | 2018 | 0 | YES | 0 |
| Enhanced Cooperative MIMO based Routing Protocol | ummathi Chenna Reddy , Geetha D Devanagavi, Thippeswam | International Journal of Innovative Technology and | 2018 | 0 | NO | 0 |

| for QoS Enriched and Energy Efficient Transmission over WSNs | y MN | Exploring Engineering | | | | | |
|---|---|---|---|---|---|---|---|
| A Study On Smart Irrigation System Using IoT For Surveillance Of Crop-Field | BV Ashwini | IJET | 2018 | 2 | YES | 0 | |

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3.3.6 – 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 |
|---|---|---|---|---|---|---|
| Microstructure Mechanical properties of Cu-coated Al2o3 particulate reinforced 6061 Al metal matrix composites | Bharath V | Elsevier, | 2017 | 1 | 1 | NO |

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

| Number of Faculty | International | National | State | Local |
|---|---|---|---|---|
| Attended/Seminars/Workshops | 9 | 8 | 9 | 16 |
| Presented papers | 11 | 9 | 0 | 0 |
| Resource persons | 0 | 2 | 0 | 0 |

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## 3.4 – Extension Activities

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

| Title of the activities | Organising unit/agency/ collaborating agency | Number of teachers participated in such activities | Number of students participated in such activities |
|---|---|---|---|

| Blood Donation Camp Theme: "Save The Life | Loin's Club | 35 | 210 |
|---|---|---|---|
| Eye Check Up Camp Theme: Eye Health Care | victoria hospital, Bangalore | 39 | 50 |
| Poster Creation Competition "Traffic Awareness and Road Safety - 2018 | Inter-department poster creation competition | 5 | 55 |
| Traffic Awareness and Road Safety - 2018 | Inter-Department Debate Competition | 20 | 20 |
| Essay Writing Competition on The Theme "Traffic Awareness And Road Safety" | Brindavan College Department of P.G Studies | 3 | 42 |
| Movie-Making Competition on Theme "Traffic Awareness and Road Safety- 2018" | Inter-department movie-making competition | 30 | 45 |

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

| Name of the activity | Award/Recognition | Awarding Bodies | Number of students Benefited |
|---|---|---|---|
| NIL | NIL | NA | 0 |

**No file uploaded.**

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

| Name of the scheme | Organising unit/Agency/collaborating agency | Name of the activity | Number of teachers participated in such activites | Number of students participated in such activites |
|---|---|---|---|---|
| NSS | Loin's Club | Blood Donation Camp Theme: "Save The Life | 35 | 210 |
| NSS | victoria hospital, Bangalore | Eye Check Up Camp Theme: Eye Health Care | 39 | 50 |
| NSS | Inter-department poster creation competition | Poster Creation Competition "Traffic Awareness and Road Safety - 2018 | 5 | 55 |

| NSS | Inter-Department Debate Competition | Traffic Awareness and Road Safety - 2018 | 20 | 20 |
| --- | --- | --- | --- | --- |
| NSS | Brindavan College Department of P.G Studies | Essay Writing Competition on The Theme "Traffic Awareness And Road Safety" | 3 | 42 |
| NSS | Inter-department movie-making competition | Movie-Making Competition on Theme "Traffic Awareness and Road Safety-2018" | 30 | 45 |
| NSS | Brindavan College Department of P.G Studies | World Environment Day-2k18 Theme: "Beat Plastic Pollution" | 38 | 300 |
| NSS | Brindavan group of Institutions | Walkathon-"Traffic Awareness And Road Safety" | 40 | 250 |
| View File | | | | |

## 3.5 – Collaborations

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

| Nature of activity | Participant | Source of financial support | Duration |
| --- | --- | --- | --- |
| Dissertation | Student | NIL | 73 |
| View File | | | |

### 3.5.2 – 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 |
| --- | --- | --- | --- | --- | --- |
| Dissertation | Dissertation | ITC Ltd. Bangalore | 15/01/2018 | 30/03/2018 | student |
| View File | | | | | |

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

| Organisation | Date of MoU signed | Purpose/Activities | Number of students/teachers participated under MoUs |
| --- | --- | --- | --- |
| Intrella Technologies | 24/08/2017 | Skill Development Training | 45 |

| Private Limited, Bangalore | | | |
|---|---|---|---|
| [View File](#) | | | |

## CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 – Physical Facilities

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

| Budget allocated for infrastructure augmentation | Budget utilized for infrastructure development |
|---|---|
| 456 | 456 |

4.1.2 – Details of augmentation in infrastructure facilities during the year

| Facilities | Existing or Newly Added |
|---|---|
| Campus Area | Existing |
| Class rooms | Existing |
| Laboratories | Existing |
| Seminar Halls | Existing |
| Classrooms with LCD facilities | 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 |

[View File](#)

### 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 |
|---|---|---|---|
| Easy Lib | Fully | 6.2A | 2014 |

4.2.2 – Library Services

| Library Service Type | Existing | | Newly Added | | Total | |
|---|---|---|---|---|---|---|
| Text Books | 2500 | 2750000 | 500 | 150000 | 3000 | 2900000 |
| Reference Books | 562 | 250000 | 148 | 45000 | 710 | 295000 |
| Journals | 151 | 248170 | 30 | 70668 | 181 | 318838 |

[View File](#)

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 &amp; 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 |
|---|---|---|---|
| NIL | NIL | NA | Nill |
| 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 | 430 | 12 | 2 | 0 | 0 | 25 | 10 | 30 | 0 |
| Added | 40 | 0 | 0 | 1 | 0 | 8 | 10 | 0 | 0 |
| Total | 470 | 12 | 2 | 1 | 0 | 33 | 20 | 30 | 0 |

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

<div align="center">

**30 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 |
|---|---|
| NIL | NA |

## 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 |
|---|---|---|---|
| 456 | 270 | 92 | 94 |

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

The institute has formed an executive committee comprising of the Chairman, Principals of various institutions coming under the Brindavan group and Members nominated. The committee conducts meeting once in 3 months to discuss all the issues related to the functioning of the institution. The Principals of Engineering college and MBA/MCA will conduct meeting with their respective Heads of the Department once a month to discuss the issues related to academic and other extracurricular activities. Various infrastructure created by the institution are utilized to the maximum level. The university prescribes laboratory courses in each semester for different departments and depending on the course content, equipments and computers are updated. The department forms batches to facilitate better understanding and interest among the students to carryout the experiments/exercises. The laboratories are also used to carry out mini and final year projects. The library is located centrally and houses text books, reference books, e - books, journals and e - journals with text books being issued to students and faculty on lending basis. Research is encouraged with students and faculty referring to other sources like reference books, e - books, journals and e - journals. The sports department conducts annual sports meet with active participation from both students and faculty. The institution has a well maintained play ground which is used by students and faculty for cricket, football, volleyball, kho - kho, kabbaddi, etc. The sports department also has indoor games like badminton, carom, table tennis, etc with good students and faculty utilization. The institution has procured good number of computers with latest configurations in each department. They are used for

> laboratory courses in each department and projects. The institution has constructed good number of class rooms in each department and they are used for conducting classes, internal assessment tests and end semester examinations. Seminar halls provided are used to conduct seminars, placement talks, workshops, conferences, guest lectures and other activities.

<div align="center">http://www.brindavancollegeofengineering.com/NAAC-2017-18.html</div>

## 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 | GOVT OF KARNATAKASC ST OBC MINORITIES | 543 | 15138840 |
| Financial Support from Other Sources |  |  |  |
| a) National | EDCIL AND ICCR | 23 | 1688000 |
| b)International | NIL | 0 | 0 |
| 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 |
|---|---|---|---|
| Communication Skills | 14/02/2018 | 60 | HR and Placement Department Brindavan College of Engineering |
| Time Management | 15/02/2018 | 60 | HR and Placement Department Brindavan College of Engineering |
| C V Writing | 29/03/2018 | 60 | HR and Placement Department Brindavan College of Engineering |
| Yoga Meditation | 05/09/2017 | 150 | Physical Education Department,Brindavan College of Engineering |
| 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 passedin the comp. exam | Number of studentsp placed |
|---|---|---|---|---|---|
| 2017 | Nill | Nill | Nill | Nill | Nill |

| 2018 | Nill | Nill | Nill | Nill | Nill |
|-------|------|------|------|------|------|

No file uploaded.

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 |
|-------|-------|-------|
| 0 | 0 | 0 |

**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 |
| Pathfront Pvt Ltd Infosys BIT Pos Solutions INFINITY Data Manipur electricity Board | 105 | 28 | Nill | Nill | Nill |

View File

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

| Year | Number of students enrolling into higher education | Programme graduated from | Depratment graduated from | Name of institution joined | Name of programme admitted to |
|-------|-------|-------|-------|-------|-------|
| 2017 | 1 | BE | CSE | Brindavan College of engineering | MBA HR |
| 2017 | 1 | BE | CSE | UVC, Bengaluru | M. Tech CSE |
| 2017 | 3 | BE | Mechanical Engineering | AIT, Banaglore MSRIT | M.Tech |
| 2017 | 6 | B.E | Civil Engineering | SJCIT REVA | MTech |
| 2017 | 2 | B.E | ECE | North Korean University | MS PHD |

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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 | 0 |

No file uploaded.

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

| Activity | Level | Number of Participants |
|---|---|---|
| TECHNICAL FEST | NATIONAL | 10 |
| SPORTS | NATIONAL | 14 |
| 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/ Internaional | Number of awards for Sports | Number of awards for Cultural | Student ID number | Name of the student |
|---|---|---|---|---|---|---|
| 2017 | Nill | Nill | Nill | Nill | Nill | Nill |
| View File | | | | | | |

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

[1] Anti-Ragging Committee: This committee is headed by Prof. Venkatesha G., HOD, Dept. of ECE and has one faculty from each branch of Engineering and PG studies along with one male and female student from each branch of Engineering and PG studies. The committee is responsible for initiating disciplinary actions against any individual who is found to be involved in an act of ragging. Committee members physically go on rounds throughout the college campus twice a day to ensure no act of ragging takes place. [2]Women Welfare Committee: This committee is headed by Prof. Sumitra Devi, HOD, Dept. of Mathematics. The committee also consists of one female faculty and one female student representing each branch. The committee meets weekly twice to address problems faced by female students.[3]Sports and NSS Committee: This committee is responsible for conducting inter college and interdepartmental sporting events, annual sports day celebrations, Swachh Bharath activities, Blood donation camps etc. Sports committee is headed by Mr. Vinayaka, PED and NSS committee is headed by Prof. Shuaib Pasha, Assistant Professor, Dept. of Mechanical Engg. Each of these committee has a student representative from each branch.[4] Cultural Committee: This committee is headed by Dr. Dinesh S., HOD, Dept. of ISE. The committee also has a faculty coordinator along with 3 student representatives from each branch. The committee is responsible for conducting cultural events like Fresher's day, Annual day, Kannada Rajyotsava celebrations and intercollege fests. [5]News Letter Committee: This committee is responsible for coming up with the annual newsletter. Headed by Prof. Venkatesha G., HOD, Dept. of ECE, the committee has one student representative from each branch who collect write ups, art work and articles from fellow students, for publication in the newsletter.[6] Students Counselling Committee: This committee is headed by Dr. Nayeem Ahmed, HOD, Dept. of ME and consists of one faculty counsellor and one student representative from each branch. The committee provides counselling for students with respect to their studies as well as other problems the students are facing. [7]Grievance Redressal Cell: This committee is headed by Mr. Anantharamaiah, Secretary, Brindavan Group of Institutions. Student grievances with respect to tuition fee, discontinuation of education and other related problems are addressed. [8] Hostel Committee: This committee is headed by wardens of both the gents and ladies hostel. The committee also has 5 male and female hostel students. This committee proposes the development and upkeep of the hostel. The committee monitors the functioning of the hostel and focuses on the welfare of the inmates. [9] Program Assessment Committee: Headed by Dr. Sasi kumar M., HOD, Dept. of CSE, the committee comprises of some

staff, students and industry experts. This committee identifies curriculum gaps and suggests measures to bridge the gap between the institution and industry. The committee also reviews the attainment of Cos, POs and PEOs.

## 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

**No**

5.4.2 – No. of enrolled Alumni:

**No Data Entered/Not Applicable !!!**

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

**No Data Entered/Not Applicable !!!**

5.4.4 – Meetings/activities organized by Alumni Association :

**No Data Entered/Not Applicable !!!**

# 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 decentralization and participative of the management has been organized in the following ways. 1. Academic Council 2. Governing Council 3. IQAC 1. Academic Council comprises of all HODs and presided by Principal. This Academic Council meets at least once in a month or as and when required as per academic needs. The academic council prepares the calendar of events to take care of teaching-learning process, internal assessment and examination process, co-curricular and extra-curricular activities. This will be helpful in chalking out the plan of action. Academic Council also conducts Academic Audit. In academic audit the committee reviews the lesson planning, result analysis, proctor/mentor system, identification of weak students, and arrangement of remedial classes. It also counsels the faculty members based on their performance. 2. Governing Council consists of Principal, Management representatives and nominee from VTU. Governing Council meets once in a year or as and when required to take important decisions in development of the institutions. Governing Council takes care of review of recruitment process and overall infrastructural development activities. It also takes inputs from IQAC. 3. IQAC comprises of selected members as per NAAC guidelines. It meets twice per semester. It reviews all academic process. It takes care of quality measurements in overall development of the institution to ensure the quality outcomes. It gives inputs to the Governing Council to improve the overall development activities.

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

**Partial**

## 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 | Our college is affiliated to the Visvesvaraiah Technological University(VTU), Belgaum, Karnataka. As |

| | |
|---|---|
| | per the rules and regulations of the university, Board of Studies for each progam is formed which comprises of professors and experts from various colleges, research centers and industries. The BOS frame the syllabus as per the global trend. BOS send the draft copy to all the colleges which come under VTU. Correction if any are advised by the various faculty of the university. After review curriculum will be finalised. |
| Industry Interaction / Collaboration | Industry institute interaction / collaboration will takes place at different levels. 1. Various departments interact with the industrial experts and invite them for expert lectures to bridge the gap between curriculum and industrial requirement. 2. Departments will arrange students Industrial visits to expose the students to know about state of the art technologies and products 3.MOUs are signed with some industries to give hands on training in state of the art technologies 4. Placement Officer interact with industries to arrange placement drives |
| Teaching and Learning | College receives calender of Events from VTU. By referring the same, college prepares its own calender of Events which includes number of Working days, holidays, internal assessments test dates and any other curricular and extracurricular activity. Each faculty member prepare his/her lesson planning by considering number of working days and available teaching hours. Most of the faculty members use ICT Teaching learnig techniques. Usually the Faculty memebers are encouraged to attend FDPs, Workshops , conferences etc.,to enrich their knowldge to deliver the lecture better. For laboratory classes, faculty will prepare lab manuals and then conduct the laboratory classes. Continuous Internal Evaluation is followed in both theory and practicals. Assignments, quiz, seminar, mini projects shichever applicable are given as a part of continuous evaluation. Expert lectures are arranged for most of the subjects. Hands on workshops are organized in association with industrial experts .for state of the art technological subjects |
| Examination and Evaluation | As per Visvesvaraiah technological |

| | universitys rules and regulations, examinations are conducted. Examinations and Evaluations contain two parts. one CIE- Continuous Internal Evaluation and SEE - Semester Ending Evaluation. Continuatuous Evaluation includes the written test along with Seminar/ Assignments/ quiz/ Miniprojects etc. Semester Ending Examination has written examination for theory subjects and laboratory experiment conduction for practical examinations. |
|---|---|
| Research and Development | Our College encourages research and development activities . Three research centres in Civil, Mechanical and MBA have been recognised by VTU. Students are registed for PhD programs under these research centres. Students and Faculty members those who carried out research work have been encouraged to publish papers in national and international conferences/journals . Students accodemic projects are carried out through research. The results have been presented as papers in conferences, journals. |
| Library, ICT and Physical Infrastructure / Instrumentation | Library is equipped with 10000 volumes of textbooks and 1600 voulumes of reference books. This here additional 1000 textbooks have been added. We had 151 e-journals and another 30 e-journal have been added. We have Easylib Library Management software. We have digital library facilities with internet access and in the form of CDs. We are the members of DEL NET and VTU Consortium. |
| Human Resource Management | the HR department will look after the man power requirements of the institution Before the academic year starts, HR Department checks the need of man power in all the department . As per the needs rised by the departments , advertisements are given in national level news papers fof submision of applications online. The received applications are scruitinized by the HODs as well as Principal. Candidates will be shortlisted as per necessary qualifications. Shortlisted candidates will be called for interview as well as for teaching demonstration in front of the committee. Committee comprises of Principal, Head of the Department, Senior Expert Faculty and HR Director. After interview the selected candidates |

| | |
|---|---|
| | gets offer letter in consultation with Chairman. |
| Admission of Students | Our Institution has a professional team to handle entire admission process into various streams of courses available. An admission committee is constituted having discretion to finalize the joining of college. Its consists of a Chairman, Convenor and committee Members to look over all aspects of admissions of each student of College. It is an independent body that is constituted to finalize the status of each admission. The marketing and promotions of college is headed by IT department and includes Tele callers to relate with generated leads that are achieved through School visits, Education fairs, Purchased and also through Digital marketing. The college also has an Admissions department with counsellors. The walk-ins received through Reception are exclusively handled by the admissions department. The related follow up and counselling the parents etc till the verge of closure is handled by this team. By the month of November admissions department in tandem with IT roll out plan of action for the upcoming season for admission. This includes printing of Brochures, Banners, Pamphlets, finalizing gifts, recommendation to attend for Educational fairs etc. The admissions department evaluates the various possibilities to promote the Branding of college. This involves giving advertisements in Dailies Broadcasting in national as well as local channels is also considered. The admissions in college are also supported by reputed consultants. The admissions team maintains a wide strategy of campaigning for admissions. The admissions department has moulded a Scheme (MYM) Motivating Young Minds to reach out schools both urban and semi urban in around Bangalore. The objectives that recovered through this scheme are Personality enrichment workshops touching Communication skills and Corporate Grooming. Relevance of Certification Programs along with Curriculum. Promotion of Entrepreneurship Skills for Self Employment. Impart skills for Self-analysis to choose specializations among the diversity of Studies. A well |

| | count share of leads is generated through this approach reaching schools and colleges. The leads are handed over tThe Architecture department is abundantlyo IT department for further initiatives of closure. The pool of admissions into college is through various modes such as PGCET, CET, ComeD-K, NRI, Foreign etc. A specified quota is always maintained in all programmes as to the periodical directions of KEA and other forums towards the cause of Admissions. The closing of Admissions involves four stages: Eligibility Check. Counselling. Screening the documents. Closure.CET, Comed-K, and Management Quota |
|---|---|

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

| E-governace area | Details |
|---|---|
| Finance and Accounts | Due to implementation of E-Governance the procedure was a very good practice which came into existence which has improved the communication to any business community and with communicating fro Government to Employees to have an effective hazzle free transaction which saves time and which comsumes lathergic procedure to make the payment the lenghty paper follow-up Moreover the implementation of E-Governance in areas of Finance operations is more effective which makes the Duties and levies to the Government from institutions in methodical way and hazzle free without any paper work |
| Examination | VTU implement QPDS System for Semester Ending Examinations. QPDS works with VTU Server. Examination applications are filled online trhough VTU Web portal. Question paper indent is automatic as per the data generated by examination application forms. Question papers will be deliverd online as per the schedule of examinations in supervision of confidential personnel. Examination attendance is generated online. CCTV camera suveyalance is mondatiory during examination. |
| Student Admission and Support | Admissions through Common Entrance Test conducted by state government and through Comed-K examination are governed by CET-Cell and Comed-K Cell respectively. It include right from filling up of entrance exam application form, hall ticket generation, seat |

## 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 |
|------|-----------------|-------------------------------------------------------------------------|--------------------------------------------------------------------|-------------------|
| 2017 | Manjesh N | WORKSHOP ON SEISMIC DESIGN AND DETAILING OF RCC BUILDINGS(SDDRCB-2017) | Not Applicable | 3000 |
| 2017 | Md Imran | WORKSHOP ON SEISMIC DESIGN AND DETAILING OF RCC BUILDINGS(SDDRCB-2017) | Not Applicable | 3000 |
| 2017 | Raghavendra N | WORKSHOP ON DESIGN CONSTRUCTION OF SUSTAINABLE PAVEMENTS | Not Applicable | 1500 |
| 2017 | Madhukumar | SEMINAR ON BETTER AGGREGATES FOR CONCRETE ALTERNATIVES TO RIVER SAND | Not Applicable | 1500 |
| View File | | | | |

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

| Year | Title of the professional development programme organised for teaching staff | Title of the administrative training programme organised for non-teaching staff | From date | To Date | Number of participants (Teaching staff) | Number of participants (non-teaching staff) |
|------|------|------|------|------|------|------|
| 2017 | FDP ON ADVANCED DESIGN OF STEEL STRUCTURES | Not applicable | 29/04/2017 | 29/04/2017 | 26 | 0 |
| 2017 | FDP ON REPAIR, REHABILITATION 7 RETRO FITTING OF CONCRETE | Not applicable | 06/02/2018 | 10/02/2018 | 27 | 0 |

| STRUCTURES | | | | |
|---|---|---|---|---|
| | | 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 |
|---|---|---|---|---|
| Jnana Vijnana-Tantrajnana Mela-2017 at BGSIT. Adichunchanagiri. | 1 | 20/02/2017 | 21/02/2017 | 2 |
| WORKSHOP ON DESIGN CONSTRUCTION OF SUSTAINABLE PAVEMENTS | 2 | 20/11/2017 | 24/11/2017 | 5 |
| WORKSHOP ON SEISMIC DESIGN AND DETAILING OF RCC BUILDINGS(SDDRCB-2017) | 2 | 09/12/2017 | 09/12/2017 | 1 |
| FDP ON SOFTWARE APLLICATION LAB FDP-SAL 2018 | 1 | 08/01/2018 | 11/01/2018 | 3 |
| | | View File | | |

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

| Teaching | | Non-teaching | |
|---|---|---|---|
| Permanent | Full Time | Permanent | Full Time |
| No Data Entered/Not Applicable !!! | | | |

### 6.3.5 – Welfare schemes for

| Teaching | Non-teaching | Students |
|---|---|---|
| PF | ESI | NA |

## 6.4 – Financial Management and Resource Mobilization

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

Conduction of internal audit by the isnstitution which is fair enough for the management to have clear picture about the accounting procedure and to know whether the institution mode of operation in conducting the business/ activities are going on a smooth face manner. According to the Government policy conduction of External audit is compulsory if the organization turnover if it exceeds 1 Crore and which every organization who ever cross the Audit value fixed limit has to undergo the Audit surveyalance procedure and the accounts need to be certified by the auditor. Audited accounts which give fair and procedural manner of presenting the books of accounts to the income tax department as well.

**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 !!! | | |
| No file uploaded. | | |

6.4.3 – Total corpus fund generated

| 000 |
|---|

## 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 | IQAC |
| Administrative | No | Nill | Yes | IQAC |

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

| No Data Entered/Not Applicable !!! |
|---|

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

| Deputing non-teaching staff for technical training programs Extended ESI facility for the supporting staff |
|---|

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

| Academic audit, Students satisfaction Survey Green audit |
|---|

6.5.5 – Internal Quality Assurance System Details

| a) Submission of Data for AISHE portal | Yes |
|---|---|
| b)Participation in NIRF | Nill |
| c)ISO certification | Nill |
| d)NBA or any other quality audit | Nill |

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 |
|---|---|---|---|---|---|
| 2017 | Academic Audit | 15/03/2018 | 01/08/2017 | 28/02/2018 | 15 |
| 2018 | Student Satisfaction Survey | 15/05/2018 | 01/08/2017 | 15/05/2018 | 150 |
| View File | | | | | |

## 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 |
|---|---|---|---|---|
| International women's day | 28/03/2018 | 28/03/2018 | 100 | 5 |

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 |
|---|

The Institute is aware of the ecological and environmental issues for a clean, healthy and hygiene campus. The authorities are keen to make ecological awareness among the stakeholders. The staff and students are all proactive in keeping up and protecting the green cover and cognizant for cleanliness too. The institute also adopts energy conservation practices, tree planting and effective waste management at source for making the campus clean, green and healthy Various steps have been taken to maintain the green campus. • The Campus Maintenance Department was given strict instruction to use light fixtures with power saving techniques like CFL, LED bulbs, solar heater etc. • Students are trained to avoid utilization of polythene and make the campus plastic free. • The Institute has kept up garden with an assortment of ornamental shrubs, hedges and avenue trees. Potted plants are displayed on the entrance to provide an aesthetic serene environment. • The college has been declared smoke free zone and drug free zone. • College has separate waste segregation plant within the campus Different measures have been embraced by the institution to guarantee that the organization is heading towards its objective of turning into an eco- accommodating space. The measures taken are: Energy conservation • Notices are placed in all class rooms, laboratories and offices instructing turn off apparatuses that are not in use. • The rooms on the top floor of the institution are sufficiently bright, to minimize the utilization of artificial light. • All electric and electronic equipment utilized in the campus are consistently maintained and repaired to guarantee minimum energy waste. o Energy conserving lights like CFL and LED are used in the campus. LED lights which are used in ground floor of engineering block can save up to 1200 watts. o The UPS batteries are kept up in good condition which decreases vitality for charging of batteries. o All windows are installed with transparent glass which allows adequate sunlight into the rooms, thereby resulting in energy savings. o In the laboratories, the Computers are switched on as per need under the supervision of lab instructor who also ensures, along with the students, that computers are switched off immediately after use. o Staff and students are instructed to turn off monitors when not in use. Use of Renewable Energy The institution believes in the optimum use of energy - resources and the college has adopted renewable energy as an alternative form for more than a decade. Solar panels are installed on the hostel terrace. The total capacity is 15000 liters per year 129 k watts of power consumption can be saved. Water Conservation: o Rain Water Harvesting: Rain water harvesting is utmost priority in the institution. Rain water is collected at every block and is fed into a rain water harvesting tank to preserve ground water table. o Storage capacity of underground reservoir for rain water is 9.2 lakh litres.

7.1.3 – Differently abled (Divyangjan) friendliness

| Item facilities | Yes/No | Number of beneficiaries |
|---|---|---|
| Physical facilities | Yes | 20 |
| Provision for lift | Yes | 50 |
| Ramp/Rails | Yes | 5 |
| Rest Rooms | Yes | 10 |
| Scribes for examination | Yes | 10 |

## 7.1.4 – Inclusion and Situatedness

| Year | Number of initiatives to address locational advantages and disadvantages | Number of initiatives taken to engage with and contribute to local community | Date | Duration | Name of initiative | Issues addressed | Number of participating students and staff |
|------|------|------|------|------|------|------|------|
| 2017 | 0 | 1 | 25/10/2017 | 1 | Blood Donation Camp Save The Life | Blood Donation Camp Save The Life | 150 |
| 2017 | 0 | 1 | 25/10/2017 | 1 | Eye Check up Camp | Helping the Needy | 150 |
| 2018 | 0 | 1 | 04/03/2018 | 1 | Movie-Making Competition on Theme "Traffic Awareness and Road Safety-2018" | Traffic and Road Safety Awareness | 29 |
| 2018 | 0 | 1 | 28/03/2018 | 1 | Poster Creation Competition "Traffic Awareness and Road Safety - 2018 | Traffic and Road Safety Awareness | 40 |
| 2018 | 1 | 0 | 04/04/2018 | 1 | Walkathon | Traffic Awareness | 200 |
| 2018 | 1 | 0 | 04/04/2018 | 1 | Walkathon- "Traffic Awareness And Road Safety" | Traffic and Road Safety Awareness | 157 |
| 2018 | 0 | 1 | 28/04/2018 | 1 | Debate – Traffic Awareness and Road Safety - 2018 | Traffic and Road Safety Awareness | 32 |
| 2018 | 0 | 1 | 06/05/2018 | 1 | World Environment Day-2k18 Theme: "Beat | Global Warming | 100 |

| | | | | Plastic Pollution" | |
|---|---|---|---|---|---|

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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

| Title | Date of publication | Follow up(max 100 words) |
|---|---|---|
| Service book update | 19/03/2018 | The service book of the institute is based on rules and regulations of applicable authorities like AICTE, GOK, VTU and decision of governing council of institute management. The provision of summary of service rules included in the orientation program for all new staff of the institute. The staff issues like performance review, resignation, higher studies, financial matters etc are resolved with reference to service book. The indiscipline and discontinuation of service issues been resolved. The inputs from staff and students regarding working timing, surety of work completion, leave policy and workload etc collected |

7.1.6 – Activities conducted for promotion of universal Values and Ethics

| Activity | Duration From | Duration To | Number of participants |
|---|---|---|---|
| Independence day | 15/08/2017 | 15/08/2017 | 150 |
| Republic day | 26/01/2018 | 26/01/2018 | 150 |
| Rajyostava | 08/03/2018 | 08/03/2018 | 250 |
| Earth hour day | 19/03/2018 | 19/03/2018 | 100 |
| Walkathon | 04/04/2018 | 04/04/2018 | 150 |

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

1. E-waste Management 2. Environmental Awareness Camp- ? Swachh Bharat 3. Ozone Day 4. Plantation 5. Hazardous waste management

## 7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Brindavan College of Engineering has been practicing series of good practices in academics as well as co-curricular activities. A few of the best practices worth mentioning are listed below: (A) BEST PRACTICE NO.1: Title of the

Practice: STUDENTS FEEDBACK SYSTEM Objective of the practice: The goal of feedback system is to focus on the purpose of enhancing the quality of teaching and learning. This system promises quality assurance to the students for their well-being. The Context: The feedback system was implemented for student's welfare to upgrade communication, curriculum, physical activities etc. Feedback system focuses on: • Evaluation of teaching and learning abilities. • Students affairs and concerns • Enhancement and development of infrastructure • Strengthening the overall academic environment. Feedback system also concerns on library facilities, transportation, Internet/ Wi-Fi facilities, water, sanitation and hygiene in the campus. Suggestions from students are considered for the betterment of facilities been provided. The Practice: The feedback is taken once in a semester, various faculties are assigned to coordinate. This system contains a central feedback coordinator and also coordinators at department level for the smooth conduction of activity. Feedback contains questionnaires, answered by students by selecting appropriate options. The questionnaire mainly concentrates on teaching- learning aspects, followed by a comment section which helps students to give suggestions. This feedback provides appropriate guidance for improvement. Hence, encourages students to a give their free and fair feedback. Evidence of Success: • The feedback report helps the faculties about the areas of improvement and deliberately makes effort for the same. • The Institution has enabled Wi-Fi service. (B)BEST PRACTICES- 2 Title of the practice: CIVIC RESPONSIBILITIES Objective of the practice: The student's needs to propel Community linkage, Social Responsibility, Interaction with the people for Problem Analyzing and Solving Skills. The Context: In Contemporary society, the students are exceedingly insensible about the issues of the Society where they live. Consequently, it is understood that the students must be sharpened about the general public and extension activities are made obligatory for them. The Practice: The Institute motivates and encourages in various activities like: • Field work • Participation in Marathon, Walkathon (Traffic awareness). • Collecting sponsors and donations for relief and rehabilitation of people affected by natural calamities. • Student's contribution to old age homes by frequent visits, physical and monetary related offer assistance. • Campus cleaning and beautification of college. The Institute also extends its hands by involving in different social mindfulness programs as recorded: A Visit to Orphanage Institute organizes a visit to Shine Children Home, an orphanage near Hegde Nagar, Bangalore. This home takes consideration of 23 children with an age gathering of 4 to 14 years, which is running under Aradane Trust. With the support of Institute, staff and students, the children were provided with stationary and groceries. A hygienic lunch was served to all. Overall this event was a successful experience and helped the children to a greater extent. A visit to Old-age home: Institute organized a visit to Bapuji Old Age Home, Vijipura, Devenahalli, where it shelters 25 senior citizens. The students and staffs served a meal, distributed sweaters and medicines to all. The team was touched by listening to the elderly. This mindfulness program has brought a change in their thoughts and conduct of group. Overall this visit got a smile on their faces. A visit to Government Urdu school: Institute organized a charity event in Government Urdu School as feature of its social activities. Students from exceptionally poor backgrounds were identified and distributed school bags, shoes and socks. Additionally a "Dental Check-up Camp" was arranged, where 130 students experienced the dental checkup. Dr. Achar, a dental surgeon gave valuable information about dental health and hygiene. Tooth brush and tooth paste were distributed to all students. This beneficial event made a lasting impression in their minds and hearts. The joy of giving was truly experienced. Blood donation Camp: A blood donation camp was organized on 25th October 2017, in association with Lions Blood Bank, Bangalore. The response from students and staff was overwhelming as there was a tremendous group waiting for enlistment for donating blood. This camp made the students

and staffs truly experience "the joy of giving". Evidence of success: • The Institution has received a "Blood Donor Award" from Lion's Club. • Student's participation in various socio-cultural activities has greatly increased. • The student's empathy towards elders and deprived, has been evidenced and have been involved in extending aids.

| Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link |
|---|
| https://www.brindavancollegeofengineering.com/pdf/07.%201Best%20Practices_2017_18.pdf |

## 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 distinctiveness in Brindavan College of Engineering is effective Teaching-Learning process and active Research Development. Teaching – Learning procedure in the Institute is very systematic and the Institution takes keen interest in exposing and improving the knowledge and skills of the students and faculty members. By clearly understanding the diversity of learners with respect to their background, abilities and other personal attributes, the Institution has taken enough measures and integrated them in the teaching – learning process to achieve the desired learning outcomes. Teaching is made student-centric and individual attention is given specially for the slow learners. Remedial classes and counseling are provided for slow learners to improve their performance. Advanced learners are encouraged to reach greater heights by providing them with all the facilities needed. Brindavan College of Engineering has a Career Counseling Placement cell headed by Placement Officer which provides services in giving career guidance and information of job opportunities to students. The cell works as information center for various employment opportunities. The Institution conducts workshops, seminars on personality development skills, communication skills, pre-placement training and group discussions for the benefit of students attending interviews. Training and Placement Cell is putting its earnest efforts to conduct Campus Interviews. Industry Academia interfaces and tie-ups have also been entered into with M/s. Zenfar Software Company, Pramati Technologies and Shertifi Services to bridge the gap between academia and industry. More than 70 students from B.E, MBA and MCA have been successfully placed in various companies/ Institutions. To help the needy students the college co-ordinates with the Government in securing large number of scholarships from state and central government. Fee concession from the college is offered. The Institution provides concessions in Institutions fees. The students from foreign countries have given all facilities by the institution to make their stay comfortable and give them excellent education.College has instituted many Awards like, Best outgoing student Award Toppers to motivate and inspire them. Institution organizes various academic, co-curricular and extracurricular activities and for its effective functioning different committees are constituted under the leadership of the staff which give ample opportunities for the teachers to develop their leadership capabilities.

| Provide the weblink of the institution |
|---|
| https://www.brindavancollegeofengineering.com/pdf/06.%20Distinctiveness_2017_18.pdf |

## 8.Future Plans of Actions for Next Academic Year

By reviewing all the academic, administrative, co-curricular and extracurricular activities for the academic year 2017-2018, the quality initiative programs for further developments are as follows: 1. More Emphasis on ICT Teaching - Learning:

In order to ensure the quality in teaching learning process, suggestions have been given to the management to depute faculty members to attend Faculty Development Program based on ICT learning. Also, suggested to improve the number class rooms with ICT facilities. 2. MOOC Courses : Registration of faculty members to MOOC Courses has been emphasized. 3. Procurement of Softwares: As per the needs of state of the art learning, it is decided to procure licensed softwares or to use open source softwares to improve the hands on experience of the students. 4. Hands on Workshops: To conduct hands on workshops on beyond the syllabus or on elective subjects offered to prepare the students for industry ready. 5. Industry- Institute -Interactions: Industrial visits to be organized to improve Industry Institute Interactions. Also experts from industry have to be invited to give inputs to the students as well as the institute to improve the quality of education as per the needs of industry. 6. Placement and Training: Placement and Training activities have to be improved. Involvement of Alumni has been emphasized. 7. Student satisfactory survey has to be extended to get more insights in development activities