# Yearly Status Report - 2019-2020

| Part A | |
|---|---|
| **Data of the Institution** | |
| **1. Name of the Institution** | **B. M. S. INSTITUTE OF TECHNOLOGY AND MANAGEMENT** |
| Name of the head of the Institution | **Dr. Mohan Babu G N** |
| Designation | **Principal** |
| Does the Institution function from own campus | **Yes** |
| Phone no/Alternate Phone no. | **08028561573** |
| Mobile no. | **9632555300** |
| Registered Email | **principal@bmsit.in** |
| Alternate Email | **iqac@bmsit.in** |
| Address | **Post Box No. 6443, Doddaballapura Main Road, Avalahalli, Yelahanka** |
| City/Town | **Bengaluru** |
| State/UT | **Karnataka** |
| Pincode | **560064** |

## 2. Institutional Status

| | |
|---|---|
| Affiliated / Constituent | **Affiliated** |
| Type of Institution | **Co-education** |
| Location | **Urban** |
| Financial Status | **Self financed** |
| Name of the IQAC co-ordinator/Director | **Dr. Narapareddy Ramarao** |
| Phone no/Alternate Phone no. | **918971247543** |
| Mobile no. | **9945388248** |
| Registered Email | **iqac@bmsit.in** |
| Alternate Email | **principal@bmsit.in** |

## 3. Website Address

| | |
|---|---|
| Web-link of the AQAR: (Previous Academic Year) | [https://bmsit.ac.in/public/assets/pdf/iqac/NAAC_AQAR-2018-19.pdf](https://bmsit.ac.in/public/assets/pdf/iqac/NAAC_AQAR-2018-19.pdf) |

## 4. Whether Academic Calendar prepared during the year

| | |
|---|---|
| **4. Whether Academic Calendar prepared during the year** | **Yes** |
| if yes,whether it is uploaded in the institutional website: Weblink : | [https://bmsit.ac.in/public/assets/pdf/iqac/Institution%20COE%202019-20%20EVEN%20Final%20Version%20as%20on%2008-02-2020.pdf](https://bmsit.ac.in/public/assets/pdf/iqac/Institution%20COE%202019-20%20EVEN%20Final%20Version%20as%20on%2008-02-2020.pdf) |

## 5. Accrediation Details

| Cycle | Grade | CGPA | Year of Accreditation | Validity | |
|---|---|---|---|---|---|
| | | | | Period From | Period To |
| **1** | **A** | **3.21** | **2017** | **12-Sep-2017** | **11-Sep-2022** |

## 6. Date of Establishment of IQAC

**11-Nov-2019**

## 7. Internal Quality Assurance System

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

| IQAC | | |
| --- | --- | --- |
| **No Data Entered/Not Applicable!!!** | | |
| 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!!!** | | | | |
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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)**

**1. Organized International Webinars in various disciplines on Technical Topics 2. 71 of the students and 84 of the staff completed online courses from coursera 3. All the staff have taken Integrity pledge(CVC) 4. 58 Value added courses have been contemporary in contemporary areas 5. 472 students have participated in PROJECT BASED Exhibition 4. Organized many online skill development programmes 5.Research Publications are 189 in 201920**

**No Files Uploaded !!!**

**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 |
| --- | --- |
| **No Data Entered/Not Applicable!!!** | |
| View File | |

| 14. Whether AQAR was placed before statutory body ? | Yes |
|---|---|

| Name of Statutory Body | Meeting Date |
|---|---|
| BOG | 28-Oct-2020 |

| 15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ? | No |
|---|---|

| 16. Whether institutional data submitted to AISHE: | Yes |
|---|---|

| Year of Submission | 2020 |
|---|---|

| Date of Submission | 25-Feb-2020 |
|---|---|

| 17. Does the Institution have Management Information System ? | Yes |
|---|---|

| If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words) | 1. Institutional Website is developed and maintained by the students and staff of BMSITM. 2. BIMS (BMS Institute Mentoring System) to do proctoring effectively and send the attendance status and proctoring details to parents through SMS and email. 3. Online PBAS – The Online Performance Based Appraisal System for assessing the annual performance of faculty and thus release the annual increments. 4. Student Feedback System – The students assess the performance of the faculty handling their classes by online feedback system. The confidentiality of the students is maintained since all data is pushed to the cloud. 5. 360 degree feedback – This enables the entire faculty in the institution to assess the performance of their respective Heads, Deans, Vice Principal and Principal. This clearly shows the transparency in the entire administration process. 6. Online Admission This enables to collect the first year student information through online admission software by providing a unique ID for each student. This ID can be used to access any student information. 7. Echallan for Accounts With the help of admission ID, software directly fetches the student data to the accounts software to generate the |
|---|---|

challan. 8. TechSaransh To upload the students' final year projects of all branches. The data is stored in the repository. 9. Online Faculty Recruitment portal -Applicants can apply to the job through online portal as registered users. 10. Hostel Complaint Management System – This enables the students in the college hostel to register their complaints. The hostel authorities resolve the complaints and update in the portal. The reports will be viewed by the authorities. 11. Faculty Information Management System (FIMS) – In this portal, all information related to every faculty like, educational qualifications, publications, FDPs/Workshops attended, books authored, funded projects if any are recorded. 12. Open Elective Portal – The students are allowed to opt for the open electives. After the selection is made by students, the option gets freezed. 13. Open Course Portal – Through this portal, the students can choose any one open course conducted by all core departments in the institution level. 14. Student Smart ID card – The student can use the smart ID card in hostel, college transport, library and placement for identity and official purposes.

## Part B

## CRITERION I – CURRICULAR ASPECTS

### 1.1 – Curriculum Planning and Implementation

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

The institution continued its earlier method of allotting the course coordinators for the upcoming semester by the end of the previous semester. The course coordinator prepares course plan which will be reviewed by module Coordinator, Program Assessment Committee and HOD well in advance. The plan includes regular delivery pedagogy and supporting activities to achieve the accomplishment of Outcome Based Education (OBE). Periodic academic monitoring is conducted to scrutinize the status of plan achieved. The students are evaluated by conducting regular tests, quizzes and assignments. However during covid-19 period on line classes are conducted using different on-line platforms (Ex. Zoom, Google Meet) and online tests and quizzes are conducted using google meet. The lab experiments videos are shared to the students and evaluation is done by conducting online viva & presentation. The students are also permitted to take up online internships & software projects. Faculty share their course materials in blogs, Whatsapp, college website, D- space for students. The Case study and innovative questions are incorporated targeting higher level PO's. The student performance is analysed to know the extent of attainment of the

course outcomes in a particular course. The gaps in the attainment are filled by restructuring the pedagogy or by additional activities and the gaps are identified by comparing VTU syllabus with AICTE model syllabus. Every department has got Department Advisory Board (DAB) which include members from department faculty, industry, premier institute, student, alumni and parent representatives. To plan and conduct various activities based on the gaps identified from the university curriculum and also to suggest and approve other activities based on industry requirement. The Institution prepares the calendar of events for the upcoming semester based on VTU academic schedule well before the starting of the semester. This includes academic and institute level activities, the department adds various departmental activities which are planned by course coordinator and department and prepare department calendar. The supporting/additional activities which are conducted to improve the quality of teaching and learning process include project based learning, Collaborative methods of learning such as think-pair-¬share, thinkwriteshare, jigsaw, etc for program oriented courses. Other innovative teaching methods include blended class, flip class, chartbased learning, to inculcate liveliness in the classroom and to attract more participation from student fraternity. To build practical knowledge in students live simulations, experimental videos are demonstrated and open-ended experiments /mini projects are incorporated in every laboratory (to improve design and analysis skills). The above are incorporated apart from arranging Industrial visits. Students are also encouraged to take up Massive Open Online Courses (MOOC's) and participate in design contests /poster presentation/conference paper presentations/publications on real time/live problems. Remedial classes are arranged for slow learning students, tutorial classes for mathematical/problem-oriented courses and also advanced mathematics classes for diploma students. Design contests are held once in a semester to improve design skills. Expert guest lectures are arranged from other industry for partial delivery of the course to get industrial exposure and open courses are conducted to improve the student skills.

## 1.1.2 – Certificate/ Diploma Courses introduced during the academic year

| Certificate | Diploma Courses | Dates of Introduction | Duration | Focus on employ ability/entrepreneurship | Skill Development |
|---|---|---|---|---|---|
| Nil | Nil | 27/11/2020 | 0 | Nil | Nil |

## 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 !!! | | |
| View File | | |

### 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 | NIL | 27/11/2020 |

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

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

## 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 |
| No Data Entered/Not Applicable !!! | | |
| View File | | |

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 | Electronics and Communication | 147 |
| BE | Electronics and Telecommunication | 67 |
| BE | Civil | 64 |
| BE | Information Science and Engineering | 93 |
| BE | Computer science and Engineering | 130 |
| BE | Electrical and Electronics Engineering | 59 |
| BE | Mechanical Engineering | 65 |
| MCA | Master of Computer Applications | 59 |
| No file uploaded. | | |

## 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 institute has developed an excellent online feedback system. The students are provided with a proper login Id and one time password for submitting their feedback. The feedback system is confidential, the coordinator of the department is responsible for collecting the feedback and is monitored at the institute level. The feedback will be collected twice in a semester. The first feedback will be conducted after the first internals and the second one will be on after the third internals. The feedback of the faculty members is analysed based on the set of questionnaires. The evaluation is graded based on the scale of One to Five (1 - Very Poor, 2 - Poor, 3 - Average, 4 - Good, 5 – Excellent). An average score percentage from total number of students is assessed to analyse the feedback. The faculty with feedback less than 60 will be counselled by a competent committee to ascertain the root cause of poor performance and advised to attend the orientation programs/ faculty development programs. The average feedback for odd semester is : 99.12 The average feedback for even

semester is: 91.41 Employers Feedback: The feedback is manually collected from the Employers who visit campus for recruitment. • The number of companies visited the campus for recruitment process is shown below. No. of companies visited for campus placement :78 • The analysis of employers feedback is based on the following metrics: Hospitality, Facilities Administration, and Coordination by the placement team, Quality of candidates facing interviews and Overall rating of the placement process at BMSITM. • The employers' rate the overall campus drive process of BMSITM at an average of 89.69. Parent's Feedback: Parent's feedback is obtained during parent's teacher meetings and also in departmental DAB meetings on various aspects of academics. Their suggestions include arranging invited talks on interpersonal skills, internships, requesting to provide hard copy of the material to students and also suggestions to improve technical skills of the students etc. Feedback from Alumni: Alumni feedback is taken during annual meet, induction program to freshers and other alumni activities at department level. The alumni is involved in department advisory boards and their contribution in curriculum development is significant. The introduction of webinars and workshops in association with the portal providers has increased better communication and also helped remote learning. During 2019-20 academic year, 26 alumni activities including webinars are conducted on various academic and placement activities and feedback is taken.

# 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 |
| --- | --- | --- | --- | --- |
| **No Data Entered/Not Applicable !!!** | | | | |
| [View File](#) | | | | |

## 2.2 – Catering to Student Diversity

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

| Year | Number of students enrolled in the institution (UG) | Number of students enrolled in the institution (PG) | Number of fulltime teachers available in the institution teaching only UG courses | Number of fulltime teachers available in the institution teaching only PG courses | Number of teachers teaching both UG and PG courses |
| --- | --- | --- | --- | --- | --- |
| 2019 | 3042 | 204 | 137 | 13 | 17 |

## 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 |
| --- | --- | --- | --- | --- | --- |
| 167 | 167 | 8 | 23 | 1 | 12 |
| [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)

Yes. The institute has a functional proctored system. A group of around 20 students is assigned to a faculty

member who is called as proctor. Each proctor constantly monitors both academic and non-academic issues of his/her students. The proctor listens to their grievances and addresses them through counselling and informs the parents about their ward 's progress. The parent-teacher meeting conducted by each department is of great help to identify the students who are at the risk of drop out and need urgent help. The proctor identifies students who are slow learners, have financial hurdles to continue studies, are at a disadvantage or are underprivileged and brings up the matter immediately to the higher-ups. The HOD/Principal initiates suitable measures such as: • providing academic counseling to build confidence in them, • engaging a professional counselor to get them out of distress, • recommending the case to the Management for financial help, • recommending to the Bank for educational loan, • arranging for tutorial/remedial/special classes, • Providing learning additional resources (Book bank, etc.) • advising parents or guardians of student as appropriate • engaging alumni for mentoring students • Deploying faculty facilitators to identify and help first year students with rural background, who made lateral entry, who are finding it difficult to sail into the main stream, and home sick, etc. All the above measures have helped students to refrain from dropping out of studies and improved their academic performance.

| Number of students enrolled in the institution | Number of fulltime teachers | Mentor : Mentee Ratio |
| :---: | :---: | :---: |
| 3246 | 167 | 1:19.4 |

## 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 |
| :---: | :---: | :---: | :---: | :---: |
| Nill | Nill | Nill | 14 | 13 |

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 |
| :---: | :---: | :---: | :---: |
| 2019 | Ravindra Asundi | Assistant Professor | Appreciation for conducting global student solar ambassador by IIT Bombay (National level) |
| 2019 | Mr. Keerthi Kumar N | Assistant Professor | Best Professor for Mechanical engineering (State level) |
| 2020 | Mr. Banuprakash R, H Ganapathy Hebbar | Assistant Professor | Best Paper presenter award (Int. level) |
| 2020 | Mr. Prathiba .N , Banuprakash R | Assistant Professor | Best Paper presenter award (Int. level) |
| 2020 | Dr. Usha B A | Associate Professor | Mentor for Change for your school's Atal Tinkering Lab (State level) |
| 2019 | Mr.Vinod B R | Assistant Professor | Educationist -Nadaprabhu Kempegowda Award conferred by Karnataka Govt. |

| 2019 | Dr Rajesh Gopinath | Associate Professor | Young Environmentalist Award (National level) |
| 2020 | Dr P Velumani | Associate Professor | Senior Faculty Award conferred by DK International Research Foundation (International level) |

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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 !!!** | | | | |
| [View File](#) | | | | |

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

The Continuous Internal Evaluation (CIE) is conducted at the Institution level as per the institutional calendar of events. The following are the sequence of events adapted in order to conduct CIE. Course coordinators set the question paper as per the Institution standards which includes the CO-PO mapping, Blooms level and course outcomes (COs), etc. The Question Papers also include Innovative and Case Study Questions. The QPs shall be scrutinized by the committee formed at the Department level before it is handed over to the Chief-coordinator. Chief coordinator in association with Department coordinators conducts the meeting to brief the instructions to conduct CIE. Further, the same is disseminated to all faculty members of the respective department. Test coordination team prepares the time table for circulation among students which will be approved by the Chief-coordinator and the Principal. CIE is conducted as per the Calendar of events and evaluation results are sent to the students and parents within 10 days of last CIE. The QP and Scheme of Valuation is also prepared which can be accessed by the students after the test. The instructor to spell out the components of CIE to the students before the commencement of the course, maintain transparency in its operation, declare the evaluation results in time and then show the answer scripts and assignment sheets to them as soon as possible and secure them under custody. The Course-coordinator shall also solve the questions from these test papers during tutorial sessions for the benfit of all the students concerned, especially slow learners.

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

First year Inauguration Function was held on 3rd August, 2019 to welcome the first year students Induction Programme was organized from 3rd to 16th August, 2019 10th February, 2020. BMSITM Open Day (PBL) was held on 4th November 2019 to showcase the students projects. Tech Transform was held on 5th November 2019 which encourages the students to learn technology more interactively, innovatively to develop their technical knowledge, henceforth giving a technical edge to their learning. Open Course was conducted across all

Departments from 22nd to 26th October, 2019 in the Odd Semester from 16th to 20th June, 2020 in the Even Semester in order to bridge the curricular gaps identified in the Curriculum. Phase 1, 2 3 Project presentation of Final Year students was held on 5th 6th November, 2020, 29th 30th April, 2020 20th 21st May, 2020. Alumini Meet, 2020 was held on 15th February, 2020. Internal Assessment Test – 1, 2 3 for Higher Semesters were held from 17th to 19th September 2019, 17th to 19th October 2019 21st to 23rd November 2019 respectively Internal Assessment Test – 1, 2 3 for Higher Semesters were held 17th to 19th October 2019, 21st to 23rd November 2019 12th to 14th December respectively in the Odd Semester Internal Assessment Test 1, 2 3 were held from 4th to 6th May 2020, 28th to 30th May 2020 11th to 13th June 2020 respectively in the Even Semester. National State Festivals were celebrated at the Institute level cultural programmes were presented by students staff. Industrial visits to gain practical knowledge Expert/Alumini Talks for students DAB meetings were organized by all the Departments during 2019-20.

## 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)

https://bmsit.ac.in Home link :Department Eg: https://bmsit.ac.in/dept/computer-science-and-engineering

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(MD& CSE) | ME | Machine design and computer science | 57 | 54 | 95 |
| MCA | MCA | COMPUTER APPLICATION | 334 | 320 | 96 |
| EC/CS/ME/EE/TE/IS/CV/AI | BE | ALL BRANCHES | 6021 | 5467 | 91 |

View File

## 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)

https://bmsit.ac.in/iqac

## 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 |
|---|---|---|---|---|
| Major Projects | 730 | DST MES, VGST, DST SERB, DST CRG | 102 | 47.02 |

| | | | | |
|---|---|---|---|---|
| Projects sponsored by the University | 365 | VTU Belagavi | 0.05 | 0.05 |
| Students Research Projects (Other than compulsory by the University) | 365 | IEEE-CSE BMS Innolabs and BMSITM DST/Texas | 1.16 | 0.97 |
| Any Other (Specify) | 180 | KSCST BMSITM (PBL) | 2.5 | 2.5 |
| No file uploaded. | | | | |

## 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 |
|---|---|---|
| Deep Learning in computer vision and NLP concepts(Industry-Academia Collaboration) | WalMart/ Information Science Engineering | 24/10/2019 |
| Computer Networks(Industry-Academia Collaboration) | CISCO / Information Science Engineering | 02/11/2019 |
| Software Engineering (Industry-Academia Collaboration) | Citrix System/ Information Science Engineering | 14/11/2019 |
| Workshop on Patentability of Invention | Patent Office, Govt. Of India, Chennai / Mechanical Engineering | 29/11/2019 |
| Innovation Day Celebration | Intel Technology India Pvt. Ltd. Bengaluru/ Mechanical Engineering | 07/11/2019 |
| Importance of Intellectual Property for Research Start-up | Centre for Nano Science and Engineering (CeNSCE) / Mechanical Engineering | 10/10/2019 |
| Patent trends in Artificial Intelligence and related technologies | Mechanical Engineering | 24/04/2020 |
| IPR- Intellectual Property Rights | Computer Science and Engineering | 10/10/2019 |
| Patentability of invention | Computer Science and Engineering | 29/11/2019 |
| Overview of IPR with a Thrust on Patents | Computer Science and Engineering | 29/10/2019 |
| Advanced IOT application- A Practical Approach(Industry-Academia Collaboration) | Indian Tech keys /Information Science Engineering | 23/10/2019 |
| Hands-on approach to | CISCO / Information | 25/10/2019 |

| Cyber Security and Cyber forensics(Industry-Academia Collaboration) | Science Engineering | | | |
| --- | --- | --- | --- | --- |

**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 |
| --- | --- | --- | --- | --- |
| Best Teacher | Prof. Raghunandan G.H, | Karnataka Educational Awards-2019 | 26/10/2019 | Best Teacher |
| Excellence In Reviewing Award | Prof. Swetha M S (Faculty) | Journal of Engineering Research and Reports | 20/06/2020 | Excellence In Reviewing Award |
| Top Mentor | Dr. Usha B A (Faculty) | Atal Innovation Mission, NITI Aayog, MHRD | 10/01/2020 | Top Mentor |
| Academics - A darshVidyaSaras watiRashtriyaPu raskar | Dr. Sunanda Dixit (Faculty) | Global Management Council | 05/08/2019 | Academics - A darshVidyaSaras watiRashtriyaPu raskar |

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**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 |
| --- | --- | --- | --- | --- | --- |
| nil | nil | nil | nil | nil | Nill |

**No file uploaded.**

## 3.3 – Research Publications and Awards

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

| State | National | International |
| --- | --- | --- |
| 0 | 0 | 0 |

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

| Name of the Department | Number of PhD's Awarded |
| --- | --- |
| Computer Science Engineering | 2 |
| Information Science Engineering | 1 |
| Electronics and Communication Engineering | 3 |
| Electrical and Electronics Engineering | 2 |
| Mechanical Engineering | 1 |
| Civil Engineering | 1 |
| Department of MCA | 2 |
| Department of Chemistry | 1 |
| Department of mathematics | 1 |

**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) |
|---|---|---|---|
| No Data Entered/Not Applicable !!! | | | |
| 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 |
|---|---|
| No Data Entered/Not Applicable !!! | |
| 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 |
|---|---|---|---|---|---|---|
| Nill | Nill | Nill | 2020 | Nill | Nill | Nill |
| View File | | | | | | |

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 |
|---|---|---|---|---|---|---|
| Nill | Nill | Nill | 2020 | Nill | Nill | Nill |
| View File | | | | | | |

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

| Number of Faculty | International | National | State | Local |
|---|---|---|---|---|
| Attended/Seminars/Workshops | 1 | 104 | 40 | Nill |
| Presented papers | 45 | 5 | Nill | Nill |
| Resource persons | 7 | 25 | 20 | Nill |
| No file uploaded. | | | | |

## 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 |
|---|---|---|---|
| No Data Entered/Not Applicable !!! | | | |
| View File | | | |

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 | |
|---|---|---|---|---|
| Global Student Solar Ambassadors Workshop | Certificate of Appreciation | UGC, AICTE, IITs, Government of India, Skill council for green jobs, ATAL innovation Mission, IITB, Unnat Bharat Abhiyan, Ministry of Environment, Forest and Climate Change. | 120 | |

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

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## 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 |
|---|---|---|---|
| Student Exchange | Varsha Raju Ph.D., student of Dr. T Ramakrishnappa | NIL | 8 |
| Research collaboration With Susan John, Centre for Nano Soft Matter Sciences (CeNS) | Dr.C.Kavitha | NIL | 5 |

**No file uploaded.**

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 |
|---|---|---|---|---|---|
| Collaborative Research Project | DST-MES2017 | Materials Science and Technology Division, CSIR – National Institute for Interdis | 01/08/2019 | 25/11/2020 | Dr Ramakrishnappa T |

| | | ciplinary Science and Technology (NIIST), Academy of Scientific and Innovative Research, Thiruvananthapuram | | | |
|---|---|---|---|---|---|
| Collaborative Research Project | JNCASR Lab Faculty | i. JNCASR, Theoretical Chemistry Unit, Bangalore ii. Department of Chemistry, IISER – Berhampur, Odisha | 01/08/2019 | 25/11/2020 | Dr Jyoti Roy Choudhuri |
| Collaborative Research Project | IISc | IISc, SSCU Unit | 01/08/2019 | 25/11/2020 | Dr Jyothi C Abbar |

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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 |
|---|---|---|---|
| Edgate Technologies (Texan Instruments) | 13/11/2019 | Workshop | 27 |
| 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 |
|---|---|
| 1446.5 | 1155.6 |

4.1.2 – Details of augmentation in infrastructure facilities during the year

| Facilities | Existing or Newly Added |
|---|---|
| Value of the equipment purchased during the year (rs. in lakhs) | Newly Added |
| Number of important equipments purchased (Greater than 1-0 lakh) during the current year | Newly Added |
| Classrooms with LCD facilities | Newly Added |

| Seminar Halls | Newly Added |
|---|---|
| Laboratories | Newly Added |
| Class rooms | Newly Added |

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## 4.2 – Library as a Learning Resource

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

| Name of the ILMS software | Nature of automation (fully or patially) | Version | Year of automation |
|---|---|---|---|
| Koha ILM upgraded to 19.05 version | Fully | 19.05 Version | 2019 |

### 4.2.2 – Library Services

| Library Service Type | Existing | Newly Added | Total |
|---|---|---|---|
| No Data Entered/Not Applicable !!! | | | |

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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 |
|---|---|---|---|
| nil | nil | nil | 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 | 968 | 21 | 350 | 1 | 1 | 24 | 800 | 350 | 0 |
| Added | 0 | 2 | 200 | 0 | 0 | 0 | 115 | 200 | 0 |
| Total | 968 | 23 | 550 | 1 | 1 | 24 | 915 | 550 | 0 |

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

**650 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 |
|---|---|
| ECE YouTube channel | [https://www.youtube.com/channel/UCmFBVLOY1IQzayWAgkrVzYw](https://www.youtube.com/channel/UCmFBVLOY1IQzayWAgkrVzYw) |
| EEE YouTube channel | [https://www.youtube.com/channel/UCrdVjtrPhNTP0jDn44Jw9Xw?view_as=subscriber](https://www.youtube.com/channel/UCrdVjtrPhNTP0jDn44Jw9Xw?view_as=subscriber) |

| | |
|---|---|
| MCA YouTube channel | https://www.youtube.com/channel/UChbB7expwDaAWwg-_Usl_Dw/videos |
| CSE Youtube Channel | https://www.youtube.com/channel/UCW-Q5DGApDcTgV8KQp5BgRA/ |
| Moodle | bims.bmsit.ac.in/moodle |
| ISE YouTube channel | https://www.youtube.com/channel/UC_S8H7d3J6r_0eEbz-_4EEQ/featured |
| Civil YouTube channel | https://www.youtube.com/channel/UCeJdH2Kc0IjqW2eluEPpp3w |
| Mechanical YouTube channel | https://www.youtube.com/channel/UC29N0mstRkojR-HoeUBtL4w |

## 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 |
|---|---|---|---|
| 67.25 | 38.04 | 154.29 | 139.24 |

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 institution has a practice of budgeting for all expenses and following the budget allocation restrictions strictly for spending under different heads so that correct and efficient use of financial resources is made. ? The budgeting process starts at the department level and all departments discuss the justification for their budget provisions with the Principal, AO and Accounts Superintendent. The institute-level budget is prepared with a consolidation of approved departmental budgets and is discussed with the Chief Finance Officer of the Trust. On consensus, the budget is placed before the Chairman for approval in principle. The final budget is placed before the Board of Governors for approval. Copies of the approved budget are distributed to all the departments/sections. ? All departments prepare the action plan for the implementation of the budget in the month of April-May so as to make necessary preparation for next academic year. ? Each department comprises of two components: Non-recurring and Recurring o Non-recurring: Generally, vendors have to register with BMSET before participating in any supply. For any purchase against non-recurring head, the departmental purchase committee finalizes the specifications of the equipment to be procured and shortlists prospective vendors after analysing their capabilities. Due process of calling for quotations/tenders, opening of quotations and recording the minutes by committee, preparation of comparative statement, finalization of supplier and recommendations to place the purchase order, etc. followed. Based on the recommendations of purchase committee, selected vendor is issued a purchase order. For other purchases such as books for library, stationery, etc., a "Procurement Committee" is constituted to do the needful. o Recurring: Under the Head of recurring expenditure, departments can procure the materials and supplies required by them (with the approval of the Principal) if they are

unique to their department. However, if the item is standard, procurement is done at the institutional level the items are distributed to the user departments. ? Once the goods and supplies are supplied, the quality and quantity is verified against the purchase order by the concerned department, the item is taken to stock, the process information is certified, and the bills are sent for approval for payment. All payments are scrutinized by the accounts department of the institute. The Accounts department is headed by a superintendent and is supervised by the Principal. The Chief Finance Officer scrutinizes all financial transactions. ? Financial audits are carried out twice a year by internal and once by external auditors and the reports is submitted to the Chief Finance Officer and the BoG.

# 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 | Scholarship from BMSIT Alumini Association to Meritorious Students | 25 | 250000 |
| Financial Support from Other Sources |  |  |  |
| a) National | Community Minority Scholarship | 798 | 20185307 |
| b)International | NIL | Nill | 0 |
| No file uploaded. | | | |

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 |
| --- | --- | --- | --- |
| No Data Entered/Not Applicable !!! | | | |
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

| Year | Name of the scheme | Number of benefited students for competitive examination | Number of benefited students by career counseling activities | Number of students who have passedin the comp. exam | Number of studentsp placed |
| --- | --- | --- | --- | --- | --- |
| 2020 | Nill | Nill | Nill | Nill | Nill |
| View File | | | | | |

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 |
| --- | --- | --- |

| Nill | Nill | Nill |

## 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 |
| **No Data Entered/Not Applicable !!!** | | | | | |
| View File | | | | | |

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

| Year | Number of students enrolling into higher education | Programme graduated from | Depratment graduated from | Name of institution joined | Name of programme admitted to |
|---|---|---|---|---|---|
| **2020** | **Nill** | **Nill** | **Nill** | **Nill** | **Nill** |
| View File | | | | | |

### 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 |
|---|---|
| **No Data Entered/Not Applicable !!!** | |
| View File | |

### 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/ Internaional | Number of awards for Sports | Number of awards for Cultural | Student ID number | Name of the student |
|---|---|---|---|---|---|---|
| **2020** | **Nill** | **Nill** | **Nill** | **Nill** | **Nill** | **Nill** |
| **No file uploaded.** | | | | | | |

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

1. Activities conducted under CSI: • Open course on Advanced IOT application-A Practical Approach, A Practical Approach to Data Science, Cyber security on 22nd to 26th October 2019. • Faculty Development Program on Data Analytics-A practical Approach on 27th -31st January 2020. • open course on "Robotic Process Automation(RPA)-Automation Anywhere", " Web stack development for IT Career ", "Applied machine Learning on 20-6-2020 2. Activities conducted under Coding Club: Coding Crib, Dept. of ISE, BMSITM is organizing a Coding Quiz Series every Monday in the month of July. In this Regard on 6.7.2020 first series of Coding Quiz is conducted. Around 70 participants from various colleges has participated. Out of 70 participants 64 are students and remaining

6 are faculties across various colleges. Around 67 participants scored 40 and above. Certificates was issued for them. Similar to this coding club activities were conducted on 17/4/2020,12/5/2020 and 24/4/2020. 3. One Student from Third year or Final Year is selected as Member of Department Advisory Board. 4. Two Students (One Girl and One Boy) of Final Year are selected as Placement Coordinators for the department. 5. Two Students from department Mr. Deol PA and Miss. Akshaya are Student members of MHRD IIC under College Innovation Center. 6. Many Students are coordinating various Professional Bodies like IEEE, Students Clubs like Photography Club, Music Club.

## 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Yes, the association has been registered with registration number:
SOR/GNR/229/2016-17 (Government of Karnataka)

5.4.2 – No. of enrolled Alumni:

4919

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

• Annual Alumni Meet • Scholarship for the Meritorious students • Funding Innovative Projects • Technical Lecture Series • Career Guidance Programmes • Higher Education Awareness Programmes • Alumni Interaction Programmes • Inclusion of Alumni in Department Advisory Boards. • Mentorship program • Online webinars and workshops • Book donation campaign ? From Mechanical Engineering • Mr.Ravitej S J,Piping Design Engineer,Valdel engineer and construction private limited, Bengaluru, 17th August 2019 ,gave Technical talk on "Importance of Lean management and its application in the manufacturing industry" • Sriram Nandakumar Alumnus of 2009, Field Application Engineer, PEI-Genesis, Bengaluru ,on 16th November 2019 , gave Technical talk on "Synergy between an Engineering and Management Program" • Mr. Ravitej S J, Piping Design Engineer, Valdel engineer and construction private limited, Bengaluru ,on 07th MArch 2020 gave Technical talk on "General Approach to the understanding of stress and its behaviour in piping applications" • MrBirenderKumar, Alumnus of 2007, Team leader in design department, Nissan Motor Co. Ltd, Global HQ, Japan. On 07th May 2020 gave webinar on "Automotive vehicle development process" through google meet. ? From Computer Science Engineering • Talk on "Tips and Tricks to crack an Interview" for 6th semester students was arranged on 31-08-2019. • Guest Lecture on "Gap Between Academics Career inIT" for 4th semester students on 29th Feb 2020 • Expert talk on "Machine Learning for Sports Analysis" for 4th semester students on 7th March 2020 • A webinar on Augment your online presence and be engulfed by the job market in 2020 was arranged on 09th July 2020 • An induction talk titled "Career Guidance' was arranged for 1st semester students on 10th August 2019 • A Webinar on Data mining: Why and How was organized on 18th April 2020.

## 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)

While the top management approves the strategic plan and provides policy guidelines, the departments and sections are responsible for implementing the

corresponding medium and short term plans to realize the strategic objectives. While all departments enjoy considerable academic, administrative and financial freedom for implementing such plans, they are encouraged to ensure that their actions are consistent with the institution's norms. Thus even with decentralization the system remains well balanced. Broadly the system works as below: Administrative Autonomy: The Principal is delegated with substantial amount of authority by the BoG for effective and efficient administration. He/she represents Management. The Principal in turn shares his administrative powers with the Vice Principal, three Deans and Heads of Departments (HoDs) and other sections so that they can perform freely. Their actions are guided by the standard operating procedures which is a part of Good Governance document. All aspects relating to the department faculty and staff members are dealt by the respective HoD/section. Financial Autonomy: The Principal has financial powers to approve purchase up to Rs. 2,00,000/- per transaction which in turn will be vetted by the BoG, and cheques above Rs. 2,00,000/- are jointly signed by the Principal and the Chairman. The number of transactions/period is not limited. This freedom has allowed quick financial approvals for the department requirements too. The HoDs can also utilize imprest amount facility. Both nonrecurring and recurring expenditures of the department are budgeted, reviewed and approved at the beginning of the financial year by the Principal which in turn will be vetted by the BoG. They are incurred as per the approved budget. Various sections/committees such as Department of physical education, placement and training, library, hostels committee, campus management, etc., also enjoy freedom in carrying out their tasks. The BoG invites the students' representatives to share their experiences and express their opinions or suggestions so that they could be considered for the betterment of the system. The Principal is the member secretary of the BoG and three faculty representatives are always special invitees for the BoG meeting. The BoG would include trustees, trust officials, representatives from Centres of excellence, AICTE, University, DTE, and industry. The views of all these stakeholders are considered while deliberating on policy issues. The Principal acts as a link between BoG and the HoDs council. The HoDs council includes Principal, Vice-Principal, AO, all Heads of departments and sections. The views of all the members are given due importance while arriving at consensus on all the academic and non-academic matters discussed. Several ideas suggested by the members have been implemented successfully, For example, Utilizing SMS service to communicate the progress of students to their parents. The Head of the department/section consults all their staff members both in meetings and also otherwise before arriving at the action plans and involves them in their implementation. At the departmental level, the HoD holds meetings with the faculty to decide issues like syllabus delivery, assessments, organizing guest lectures, educational tours, etc. For example, Value addition courses offered by the departments.

| 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 |
|---|---|
| Library, ICT and Physical Infrastructure / Instrumentation | BMSITM library was started in the year 2002. It is housed in ground and first floor of BSN Memorial Block measuring a plinth area of 1492 sq mt. with 247 seating capacity. The library has 11 dedicated personnel, out of which 1 is bachelor's degree and 9 are |

| | |
|---|---|
| | master's degree holders in Library Information Sc. The library uses a few Open-Source Software like Koha 19.11 ver, Dspace 6.3 ver, Calibre 10 ver, Gimp 10 ver etc and has barcoded each item. The library OPAC can be accessed (intranet) with any device that supports web browsing. Users will get messages on each transaction. Knowledge in the library is organised using Dewey Decimal Classification (DDC 22 ed). AACR2 is used for cataloguing rules. The library provides remote access to their subscribed e Journals and e-books through Knimbus platform. A digital library is established with 32 advanced wi-fi systems. It also has provision for personal books reading and discussion rooms. The library subscribes to DELNET to facilitate resource sharing and has membership with British Council Library. The library has a total collection of 56038 volumes of books with 13814 titles. It is provided with 14,500 titles of e-books from CUP, Pearson, Elsevier, TF, McGrawHill, New Age International and Packt etc., and 7 packages of e Journals (nearly 1893 titles) viz., IEEE, Elsevier, Springer, TF, Institution of Civil Engineers and Emerald. Also subscribes to 97 print journals. It also provides Turnitin to faculty for plagiarism. |
| Curriculum Development | As we are a University affiliated college (VTU), the BE courses are revised once in four years, M.Tech courses are revised once in two years and the MCA programme is revised once in three years. In August 2015 Choice Based Credit System was introduced in all B.E courses. University syllabus has been revised to CBCS scheme for lower semesters while core syllabus continues for the final year students. Open elective subjects of different departments are offered to third year UG students to provide flexibility to the students to study courses at the interface of different engineering branches. Credit-based and choice based development in the curriculum encourages the students to practice multi-skill activities leading to innovations. In August 2016 Choice Based Credit System was introduced in all PG courses of M.Tech, and MCA. The salient aspects of CBCS are: Core and |

| | |
|---|---|
| | elective subjects have been finalized with respect to current industry and stakeholders requirements as per the guidelines of ACM, IEEE-Computer society, and NBA. Electives are offered based on the advancements of IT. Credits weightage are proposed for various components like lectures, tutorials, practical for each course. Credits are allotted as per VTU guidelines. Rules and regulations are proposed as per CBCS scheme. Course outcomes are proposed as per the Outcome Based Education of NBA. |
| Teaching and Learning | Recruiting faculty with high academic credentials, experience and attitude, and retaining them by providing them with best service benefits (e.g. salary, welfare schemes). Career Advance Scheme is implemented in the institution. Sponsoring faculty members regularly for faculty development programmes/ workshops/conferences, etc. with financial assistance. Detailed planning and close monitoring of academic plans, and acting on the feedback to close the academic gaps. Faculty members proactively prepare necessary course material and students are sensitized about the same. Use of enhanced ICT based teaching facilities for better delivery of learning material. Use of newer teaching-learning methods such as partial delivery by industry experts, flipped class, collaborative learning, industrial internship, etc. Deployment of proctoring system wherein student feedback about teaching learning is considered and measures are taken to improve. Open courses: Every semester, the institution offers open courses to the students. The open courses are announced by all the core departments. It is mandatory for every student to enrol for any one course across the institution. This enables the students to learn a new technology not provided in the university curriculum thus bridging the gap in the university curriculum. Project Based Learning: Students are made to develop the projects based on their interest. At the end of the semester, sessional marks are awarded to the students who have taken part in the PBL based learning. Further, the students are encouraged to present their projects in |

project exhibitions. This method boosts the inner potential and talent-the students possess. Student internship: -Students are encouraged to take up the internship in industries. This gives an exposure to the students about the working environment and the current technology in market. The university has made it mandatory for engineering students to take up internship before the award of degree. With adherence to Institutional and departmental academic calendar, department course coordinators prepare a lesson plan and action plan for the subject allotted. Lesson plan include different instruction methodologies used by course coordinator to teach that particular subject. Analysis will be taken after the assessment of Internal Test. Based on that identification of advanced and slow learners will be done. Extra coaching and counselling will be undertaken to slow learners and encouragement to do online certification courses, projects, paper publications, Competitive exams to the advanced learners. Encouragement to do internships for all students and prepare them to be eligible for placements. Apart from the regular academics, following activities are done to improve the quality of Teaching Learning Process: Technical talk by Industry Experts, Training, Seminar, Workshop, Brainstorming, MOOCs Online Courses, Project Based Learning (PBL), Alumni Interaction, Project Exhibition Poster Presentation, Tech Transform ( A Technical Event), Case study and Innovative questions, UTSAHA, Industry Visit, Open Course, Student Development Programs 1. The schedule of the start and end of the teaching learning process, conduction of internal tests, organizing industrial visits, feedback from students, parent and teachers meeting etc. planned in the academic calendar are strictly adhered. 2. The following pedagogical initiatives are taken to improve the quality of the teaching learning process Collaborative learning: Think pair share technique for subjects that need mathematical analysis and programming skills. Other methods like blended class, jig-saw activities are also adopted to inculcate liveliness in the classroom

| | |
|---|---|
| | and to attract more participation from student fraternity. Industrial visits, demonstrating practical aspects through videos, writing a brief summary of research papers etc. are also encouraged to build their practical knowledge. Massive Open Online Course (MOOC's) certification courses for few additional courses which are not there in University curriculum are also encouraged. Open ended experiments /mini projects for every laboratory to improve practical skills (design and analysis skills), encompassing all subject experiments. Trouble shooting and analyse the bugs of a circuit/program – to improve the quality of laboratory experiments. Design contests /poster presentation/paper publications on real time problems to encourage bright students. 3. The students who need extra attention were identified based on the performance in the internal tests and their university results. Measures like remedial classes and helping them to solve previous university question papers are taken to assist such students. 4. The bright students are encouraged through scholarships/awards and also motivate them to take part in summer trainings, design contests, industrial internships, industrial trainings, paper presentations etc. The proctor system is also adopted to provide counselling and mentoring to the students.. |
| Examination and Evaluation | There are two semester end examinations in an academic year, conducted by the university. The question papers are set in the university level by the qualified and experienced faculty handling the subject. The papers are vetted in the university board. |
| Research and Development | The institution has constituted a Research Council with Chairman of BoG as the Chairman. The council fosters and encourages research activity by creating the right ambience for research and focusing on research capacity building. The strategies are as follows: Signing up MOU with research laboratories and industry establishments (e.g. Steinbies (India) Ltd. to create scope for sponsored |

| | |
|---|---|
| | research. Encouraging faculty members to undergo industry internships to be aware of the nature and direction of technological developments possibly research. This activity is managed by an institutional coordinator and the research council only observes this. Encouraging and motivating faculty members to publish their research findings in standard refereed journals with good impact factor. Encouraging inter-disciplinary RD activities through establishing multidisciplinary laboratories and providing necessary resources. Granting study leave and sabbatical leave for faculty to pursue research, if applied for. Providing seed money for faculty members to initiate research projects, and full funding for select research projects. Providing assistance to student research projects to be exhibited in national/international forums. Starting PG courses and PhD programmes in the areas of competence. Funding seminars/workshops/ conferences. Recent efforts to retain staff members with good profiles who have already attained superannuation. |
| Human Resource Management | Faculty and students are important stakeholders and also constitute institute's human resource. Some of the quality improvement strategies for the management of HR are: Plan in advance the HR requirements advertise widely in newspapers to recruit from a large pool of talents. Have eminent and highly qualified person on the faculty selection committee. Retain good faculty members through excellent compensation and welfare measures. Administrative staff retention through skill development programs. Encouraging merited students through incentives. Recognizing the efforts of the employee and granting timely increments and promotions. Recommending faculty and staff for rewards/recognition based on loyalty to the institution, teaching performance, contributions to the institution etc. |
| Industry Interaction / Collaboration | Quality of industry interaction is enhanced through the following: Industrial MoUs, industrial visits, industrial internships for faculty and students. Partial lecture delivery sessions from industry experts. |

| | Institutional memberships in Confederation of Indian Industry (CII), Operations Research Society of India (ORSI), German Chambers of Industry and Commerce (GCIC). Individual memberships in various professional bodies. Conduction of BMSIT-CII Road show, Employers day, Start-up fests, Entrepreneurial events with a direct involvement of industry. Conduction of Workshops, conferences, guest lectures involving industry experts. Concerted effort towards organizing visits to large projects (hydro-electric/thermal power generation, Nano-fabrication labs etc. Collaborative research. MoU signed with the following companies: IndiaTech Texas Instruments Automation Anywhere |
|---|---|
| Admission of Students | Student admission is carried out as per the norms. The contact details like email-id and contact numbers are collected at the time of admission. Student groups are created in Google Groups and WhatsApp. All official communication is done through email and SMS. |

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

| E-governace area | Details |
|---|---|
| Administration | The administration is decentralized. The posts of Vice Principal, Dean (Academics), Dean (External Relations) and Dean (Student Welfare) are created for smooth execution of responsibilities. ? The responsibilities of vice principal includes helping the Principal in planning and promoting need based training of faculty and staff members to foster and support excellence in teaching, learning and assessment. The VP monitors and acts on the feedbacks of faculty by the students. Monitors the faculty and staff attendance and punctuality to duty. ? The responsibilities of Dean (Academics) include providing leadership in the development and effective implementation of policies, procedures, and practices in relation to academic activities of the institution. Assist the Principal in monitoring the quality of education and ensuring high standards in its delivery. Advice and support the HODs on the development and continuous improvement of academic programmes through appropriate value |

added programs (VAPs). Facilitate and monitor the implementation of VAPs, including Open courses, students' industry internships, industrial visits, etc. ? The responsibilities of Dean (Student Welfare) include dealing with all students' issues (other than those academic issues dealt with by Dean (Academic).Be aware of the international standards of quality of students' life in campus. Be responsible for planning, execution and control of all the extra-curricular activities of students inside and outside the institute. Be responsible for continuously and significantly improving the training and placement opportunities offers, both in number and compensation. ? The responsibilities of Dean (External Affairs) include being responsible for high quality engagement with all External stakeholders to enhance the profile of BMSIT. Work seamlessly with other Deans and HODs, and assist Principal to develop strategies to internationalise education at BMSIT. Shall provide committed leadership to implement the same. Coordinate the visits of foreign dignitaries/professors to BMSIT regardless of the purpose of visit. Coordinate with the functional heads at BMSIT to facilitate international exchange of faculty members, international internships and foreign visits of higher officers. Identify/pursue opportunities to collaborate with highly reputed national and international universities/research labs/companies and handle all the legal formalities required like MOU/agreements. ? Different coordination are identified and assigned to faculties. Accordingly, on a broader base, the Time Table Officer, prepares the Time Table in every department. ? Calendar of Events. ? The staff members prepare their lesson plan and the execution is mentioned in the staff diary ? Classes happen as per the time table. ? Based on the Calendar of Events, all activities take place in time. ? Staff meetings are held periodically to discuss the execution of the plan and the challenges faced. Action is taken ac

| | |
|---|---|
| **Planning and Development** | All the faculty members enter the attendance, IA marks in the institution website BIMS. Each faculty will be proctoring about 20 to 25 students. All the information about the students is entered in the BIMS. The faculty members can directly arrange meetings with students by mailing/sending SMS to them through the portal. The IA marks and the attendance are sent to parents through the portal every month. The institution has the website by name Dspace and the faculty can upload different learning material to the students. The project details are provided in TECHSARANSH. The feedbacks are taken online by the students and faculty for different aspects like faculty teaching, institution facilities etc.360 degrees feedback system is followed in the institution. The department is backed up by an able advisory board, which meets once in a semester to reflect on the previous plan execution and challenges. The members are from industry, academia, Alumni, Parents and student representatives. It suggests the future course of action plan for the betterment of the department. Planning is largely done on the current requirements from industry and society and spreads across the following areas: Expert Talks Industrial Visits Workshops/Conferences Skill Development Programmes/ Open Courses Project Based Learning Internships and co-curricular activities. Accordingly Calendar of Events is prepared. |
| **Finance and Accounts** | The institution has a practice of budgeting for all expenses and following the budget allocation restrictions strictly for spending under different heads so that correct and efficient use of financial resources is made. The budgeting process starts at the department level and all departments discuss the justification for their budget provisions with the Principal, AO and Accounts Superintendent. The institute-level budget is prepared with a consolidation of approved departmental budgets and is discussed with the Chief Finance Officer of the Trust. On consensus, the budget is placed before the Chairman for approval in principle. The final budget is placed before the |

Board of Governors for approval. Copies of the approved budget are distributed to all the departments/sections. All departments prepare the action plan for the implementation of the budget in the month of April-May so as to make necessary preparation for next academic year. Each department comprises of two components: Non-recurring and Recurring Non-recurring: Generally, vendors have to register with BMSET before participating in any supply. For any purchase against non-recurring head, the departmental purchase committee finalizes the specifications of the equipment to be procured and shortlists prospective vendors after analysing their capabilities. Due process of calling for quotations/tenders, opening of quotations and recording the minutes by committee, preparation of comparative statement, finalization of supplier and recommendations to place the purchase order, etc. followed. Based on the recommendations of purchase committee, selected vendor is issued a purchase order. For other purchases such as books for library, stationery, etc., a "Procurement Committee" is constituted to do the needful. Recurring: Under the Head of recurring expenditure, departments can procure the materials and supplies required by them (with the approval of the Principal) if they are unique to their department. However, if the item is standard, procurement is done at the institutional level the items are distributed to the user departments. Once the goods and supplies are supplied, the quality and quantity is verified against the purchase order by the concerned department, the item is taken to stock, the process information is certified, and the bills are sent for approval for payment. All payments are scrutinized by the accounts department of the institute. The Accounts department is headed by a superintendent and is supervised by the Principal. The Chief Finance Officer scrutinizes all financial transactions. Financial audits are carried out twice a year by internal and once by external auditors and the reports is submitted to the Chief Finance Officer and the BoG. Grants obtained from external agencies like UGC, VGST, DST are

| | | utilized and audited according to the rules and regulations of these agencies. Stock registers are maintained for the same. Separate accounts that are audite |
|---|---|---|
| | Student Admission and Support | Student admission is carried out as per the norms. The contact details like email-id and contact numbers are collected at the time of admission. Student groups are created in Google Groups and WhatsApp. All official communication is done through email and SMS. |
| | Examination | The VTU has introduced online examination system. Question papers are downloaded from the VTU portal just before 30 minutes of the beginning of examinations. The university appoints external Deputy Chief Superintendent from other institution to monitor the entire examination process. The university send the key through SMS to the external DCS, internal DCS and Chief Superintendent. Only after all the three keys are fed to the server in required order, the question papers are released by the server. The CS, DCS download the question papers with utmost confidentiality. The papers are counted, packed and delivered to the rooms by the DCS only. The students should occupy their seats 20 minutes before the start of examination. After the examination starts, no students are allowed to enter the examination hall. The examination will be conducted for duration of 3 hours. After the examination, the answer scripts are packed and delivered to the university regional office on the same day. The question papers are coded and scanned in the university. The soft copy of the script is loaded to the server. The university maintains a data base of all the valuers with their contact number and email-ids. The university sends SMS to the valuers from the available database. The appointment orders are uploaded on the university portal. The valuers can download the allotment letters and take up valuation work at the nearest valuation centre. For speedup of the valuation work, university conducts valuation at multiple valuation centres and delivers result at the earliest. If the student is not satisfies with the results, |

## 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 |
|---|---|---|---|---|
| 2020 | Nill | Nill | Nill | Nill |

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) |
|---|---|---|---|---|---|---|
| 2020 | Nill | Nill | Nill | Nill | Nill | Nill |

View File

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

| Title of the professional development programme | Number of teachers who attended | From Date | To date | Duration |
|---|---|---|---|---|
| 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 |
| 24 | 24 | 9 | 9 |

6.3.5 – Welfare schemes for

| Teaching | Non-teaching | Students |
|---|---|---|
| 170 | 118 | 2548 |

## 6.4 – Financial Management and Resource Mobilization

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

The institution has a practice of conducting concurring audit on a regular basis. There are two modes of audit conducted: internal audit and external audit. The auditors are appointed by the trust. Internal audit is conducted for

every transaction that takes place in accounts department. The external audit is conducted on a random basis. Internal audit will be conducted once in three months on quarterly basis and statutory audit will be conducted for the finalization of the accounts at the end of financial year. The institution has a financial committee comprising of Director (Finance), Principal, Administrative Officer and key functionaries of the accounts department.

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 |
|---|---|---|
| nil | 0 | shown in cr 3 |

No file uploaded.

6.4.3 – Total corpus fund generated

| 0 |
|---|

## 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 | LIC | Yes | VTU LIC AND Internal commitee |
| Administrative | Yes | AICTE | No | AICTE |

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

1. Parent Teacher Meetings are held twice a year. 2. Parents contribute to the development of the department by their valuable suggestions and feedback. 3. Parents are part of our department advisory board(DAB)

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

| 0 |
|---|

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

1. Increase in intake of students to in 180 CSE and ECE departments in 2017. 2. Grant of 12(B) to the institution by AICTE month/year. 3. Five UG Programs are re-accredited by NBA during 2018-19 4. Preparing to apply for autonomous status.

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 | Project Based | 26/10/2019 | 04/11/2019 | 04/11/2019 | 472 |

| | | Learning | | | | |
|---|---|---|---|---|---|---|
| 2020 | Value added courses | 10/12/2019 | 10/10/2019 | 18/06/2020 | 3189 |
| 2020 | 360 degree feedback | 15/12/2020 | 15/12/2020 | 20/12/2020 | 275 |
| 2019 | skill development programmes | 08/10/2019 | 10/10/2019 | 26/10/2019 | 715 |

| 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 |
| Poster presentation | 17/02/2020 | 17/02/2020 | 17 | 10 |
| Debate competition | 14/02/2020 | 14/02/2020 | 31 | 26 |

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

| Percentage of power requirement of the University met by the renewable energy sources |
|---|
| 1.Creation of Eco Club at Institutional Level 2.Establishment of Advanced Wastewater treatment plant and Composting Unit 3.Establishment of Rainwater Harvesting Unit and Solar Units for the Campus 4.Knowledge sharing upon Environmental issues with the school kids of Kannada Government High School, Jamaga, Haliyal- Uttara Kannada district 5. Plastic Clean-up Drive inside Kali Tiger Reserve, Dandeli. 6. Plastic Clean-up Drive at Melkote- Jan 2020. 7.Seed Bombing and Seed Sowing Activities at Horaginabetta and Arkavathi Reserve Forest 8. E-waste Awareness and Collection drive at neighbourhood: October-December 2019. 9.Honoring societal achievers with Green Teachers Award – for 2nd year 11.Manuring and Plantation drive at Lakkappanahalli, Nelamangala and de-weeding at Aladahalli Betta 12. Organising of International Webinar on the occasion of World Environment Day on 5th June 2020. 13. Organising of Cartoon Competition with theme as Covid-19 Environment. 14: Percentage of power requirement of the College met by the renewable energy sources |

7.1.3 – Differently abled (Divyangjan) friendliness

| Item facilities | Yes/No | Number of beneficiaries |
|---|---|---|
| Physical facilities | Yes | 1 |
| Provision for lift | Yes | 1 |
| Ramp/Rails | Yes | 1 |
| Braille Software/facilities | Yes | 1 |
| Rest Rooms | Yes | 1 |
| Scribes for examination | Yes | 1 |

| Special skill development for differently abled students | Yes | 1 |
|---|---|---|
| Any other similar facility | Yes | 1 |

7.1.4 – Inclusion and Situatedness

| Year | Number of initiatives to address locational advantages and disadvantages | Number of initiatives taken to engage with and contribute to local community | Date | Duration | Name of initiative | Issues addressed | Number of participating students and staff |
|---|---|---|---|---|---|---|---|
| 2019 | Nill | 1 | 08/11/2019 | 1 | Awareness programme in local Govt. Primary school, Avalahalli, Bengaluru | Communication skills, awareness on higher education | 56 |
| 2019 | Nill | 1 | 08/11/2019 | 1 | "Swatch Bharat Abhiyaan" in neighbouring locality-Avalahall, Bengaluru | cleanliness and hygiene | 60 |
| 2020 | Nill | 1 | 04/02/2020 | 1 | Data collection drive to address the societal issues, in Sriramanahalli, Rajanakunte, Bengaluru | Societal and economic issues | 38 |
| 2020 | Nill | 1 | 05/02/2020 | 1 | ata collection drive to address the societal issues, in Kondashettihall | Societal and economic issues | 29 |

| 2020 | 1 | Nill | 07/02/2020 | 1 | Environmental awareness camp, in Kondashettihalli, Shivakote, Bengaluru | Ill effects of use of plastic | 24 |
|---|---|---|---|---|---|---|---|
| 2019 | 1 | Nill | 08/11/2019 | 1 | Awareness programme in local Govt. Primary school, Avalahalli, Bengaluru | Communication skills, awareness on higher education | 56 |
| 2020 | 5 | Nill | 04/02/2020 | 1 | Public Survey | Aadhar card awareness | 69 |

**No file uploaded.**

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

| Title | Date of publication | Follow up(max 100 words) |
|---|---|---|
| Management Norms | 01/01/2019 | https://bmsit.ac.in/public/assets/pdf/proceedings/MANAGEMENT20NORMS20FOR20STAFF.pdf |

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 !!!** | | | |

View File

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

Creation of Eco-Club at Institutional Level Conduction of on-campus and off-campus Plastic clean-up drive Conduction of E-waste collection drive with local community Mandated No-Plastic zone in campus Recycling of Treated Wastewater for Watering Plants

## 7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. Title of the Practice Proctoring System 2. Goal • The goal of the proctor system is to counsel students with respect to academic and nonacademic issues and support the overall development of the student during his/her stay in the institute. • The system aims to keep the parents/guardians informed about the academic progress of their wards on a regular basis helping to guide them in the right direction. 3. The Context • The institution is fully aware of the

fact that technical education is essential for the economic growth of the country. • Since its inception in 2002-03, the institution has been deeply committed to deliver quality of technical education through creation of learner-centric environment. • Proctor system in engineering education is a process by which the personality of the student is developed to an extent where the student acquires high level of intellectual, emotional quotient with greater degree of employability, skill quotient and holistic personality. • The proctor system requires continuous interaction of the student and the proctor, where they meet in the beginning of the semester to discuss the programme goals. • Analyze the performance of the previous year along with attendance details after every internal test. • The meeting between the proctor and the student happens before and after every internal test to discuss his/her performance and any other issue he/she might be having in the semester. • The proctors encourage to help students to enhance their skills in extracurricular activities which will help in their overall developments. 4. The practice • The student mentoring process has been a time-tested practice in the institution which has met with enduring success and has proven to be beneficial to the overall development of the students. • A faculty member is assigned as a proctor, and allocated a set of about 20 students. • The proctor's role is to act as a guide, a mentor, a role model and a counselor for the student during his/her stay in the campus. • The proctor is the first point of contact for the student for any issues within the college that he/she needs guidance of support. • Many of the students come to the college from various parts of the country and are forced to stay away from their homes. • The proctor helps such student in settling down in the campus by acting as a counselor and guide. • During parents-teachers meeting, concerned proctors discusses about the performance of the students under them with the parents. 5. Evidence of success • Proctors have been able to deal with student truancy very effectively with this system. There are many incidences where the student's regularity is improved. • Students with emotional problems have been identified and successfully addressed by this system. Such students have gone on to develop a positive self-esteem, overcome their anxieties, handle their feelings better and improve their academic performance. • Students who face psycho-social problems have been enormously helped by mentoring system. The student became a confident, bold youngster who not only overcome his/her problem but also graduated with high marks. 6. Problems encountered and resources required • It requires continuous updates of the activities of the students, their marks, attendance etc. Though these can be easily obtained, the students themselves sometimes refuse to communicate with the proctor due to various academic schedules and academic deadlines. • Quite often the proctor in spite of spending considerable time and energy may not be able to unearth the information from the student who is counseled. To deal with such situations the intervention of the trained professional physiological counselors may be required. • Sometimes interactions with the student alone may not solve the problem and it may be required to interact with their family and friends. This demands a lot of patience and endurance from the proctor. This may necessitate specially designed training programs for proctors so that they can effectively mentor students. 7. Notes (Optional) • Proctoring is proven system in the institution. • The institution tries to continuously improvise format, feedback system and interaction procedures to make the practice work effectively and efficiently. 1. Title of the Practice Techno-cultural Events: 2. Goal • The goal of organizing such events is to bring in exposure to technology, entrepreneurship skills, appreciation for core industry growth and ability to emerge as an employer. • To familiarize students and faculty with contemporary technology skillset, business trends, opportunities and challenges. • Such events provide an opportunity for student to get first-hand experience of teamwork. They help students to develop event management skills and leadership and Managerial skills. 3. The Context • The institution is committed to its

mission through which it intends to achieve the vision. The mission being the accomplishment of stimulating learning environment through high quality academic instruction, innovation and industry-institute interface. The vision being the emergence as one of the finest technical institutions of higher learning, to develop engineering professionals who are technically competent, ethical and environment friendly for betterment of the society. • The institute envisions to contribute high quality engineering professionals to the society/industry through inculcating in students innovativeness and entrepreneurship. For this it engages in industry collaborations, and creates facilities like incubation centers. • Students acquire entrepreneurship/professional skills through these kinds of events/practices and become either capable of creating employment, or employable graduates ready to face the challenges of a global competition. 4. The practice • The BMS group of institutions has been associated with Melton foundation, USA. This gives a unique opportunity for students of our institution to take part in the international student exchange programme. This is an annual event where a few students get international exposure during their career as a student at BMSITM. • TechTransform, Alumni meet, Employers' day, Start-up Fest etc. are regularly conducted in the institution. These events expose them to the experiences of entrepreneurs, nurturing culture of entrepreneurship. They will give the students a feel of the emerging trends in industry and business, and stimulates them to seize opportunities in the business environment and create valuable enterprises. • Roadshow with Confederation of Indian Industry (CII) basically highlights the national importance of manufacturing industry and exposes the students to live industry environment thereby motivating them to take up engineering careers in core industry and contribute to growth of the nation. 1. Evidence of success • TechTransform, Startup fests, Employers meet are much awaited events attracting students, entrepreneurs, prospective admission seekers, industry experts etc. to participate, which testifies its success. • The students are exposed to team building, finance management, interpersonal relationship, decision making capabilities and societal concern. The feedback from students, industry partners and other participants has been overwhelming. Students indicated that they now have greater awareness of Start-up businesses, opportunities to create enterprises, challenges to overcome, support from government and non-government agencies, etc., Start-up and industrial partners expressed that they want to be a part of such event in future too. Televisions channels such as Public TV and Newspapers covered the events and disseminated to a large audience. 2. Problems encountered and resources required • The resource mobilization for events such as TechTransform, Employers meet, Startup meet etc. has to be partly met by sponsorship for which campaigning by the students is required. Faculty have to put in extra effort to compensate for the inevitable loss of academic sessions for the participating students. • The Start-up and industry participants are always busy and it is not easy to get them together on a single platform on the same days of event. Considerable amount of background work needs to be done and keep the programme flexible to accommodate the possible changes. 3. Notes (Optional) • These trend-setting technical events in the institution attract CEOs, top notch scientists, management gurus and the like. • The continued efforts of the institution to create awareness among the students about legacy of BMS group of institutions are appreciated and affirmed by the public and media. The events are disseminated by television news channels and newspapers as an important and valuable initiatives contributing the Indian Government's programmes such as Start-up India, Stand-up India and Make in India .

| Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link |
| --- |
| https://bmsit.ac.in/best-practice |

## 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

Faculty Internship Programme Preamble People can acquire endless amounts of education in the life, however, that knowledge doesnt always translate to the working life. Doing an internship exposes people in a more controlled and stable environment An Internship provides real life experience and exposure which enables to gain first-hand exposure of working in the real world. It also allows to harness the skill, knowledge, and theoretical practice in the specific field. This teaches about the specific industries and companies they are interested in to know the current happenings so that they can share with the stakeholders especially with the students. At BMS Institute of Institute of Technology and Management, we have a unique flagship programme called Faculty internship which provides an opportunity to the faculty members to understand current happenings in the industries which serves 2 purposes namely one: faculty can enhance their professional growth and second they can impart the knowledge to their students in the respective subjects. Its very important for the institution to keep abreast of knowledge in the respective fields so as to make students and faculty members to sustain in this competitive scenario where day in and day out, new technologies, new processes, new polices keeps coming in and there is a dynamic change in the industry demands. Hence adaptability and flexibility to learn and implement a change is inevitable. In this context, faculty members are deputed for the period of 10 days to work in the industries in which they are interested. Faculty members spend continuous 10 days in the industries to understand industry demands, learn the technology, implements POC for the industry requirement, undergo some special training etc . This has resulted in the personal, social and technical competencies of faculty members at large. The outcome of this programme has resulted in student's internship, Industrial Visist , Consultancy, MoU's, placements, training programmes and other skill development and collaborative initiatives. It is a mandate for all the faculty members to - go internship every Year, prepare a report and share the knowledge with stakeholders. There is an exclusive internship coordinator at the institute level and at the department level to monitor the effectiveness of the internship Programme.The institution has also provided flexibility to carry out this internship programme in the research institutions and institution of national importance and as well as institution(NBA NAAC Graded only) with higher accreditation than BMSITM. This enables the institution to understand best practices of the peer group institutions and institution of higher learning. Our faculty members from all branches of engineering and science departments have undergone internship in the companies such as Titan , Edgate Technoilogies , Infidata Technologies Pvt. Ltd, Pytriot Solutions, 4SemiTech Pvt.Ltd, Rebuter Electronics Pvt. Ltd,Pantech , Mitron Technologies, Crystal GreenTech etc.

Provide the weblink of the institution

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

1.To obtain autonomous status to have industry oriented curriculum 2. To strengthen research initiatives in the institution 3. To increase consultancy work 4. To enhance competency skills of faculty members in tune with contemporary technologies 5. To conduct more capability enhancement programmes amongst the students . 6. To drive outcome based MoUs 7.To prepare the blue print for NEP implementation in the institution 8.To carry out auditing from SQA Cell 9. To initiate center of Excellence in the institution in some niche areas 4. To initiate more industry collaborative activities from student perspective 5. To

enhance faculty competency skills in the contemporary areas of respective domains/branches 6. To initiate outcome based MoUs 7.To prepare a blue print for NEP implementation 10.To conduct more entrepreneurship activities to have incubation cell in the institution