THE ANNUAL QUALITY ASSURANCE REPORT (AQAR) 2017-2018

SUBMITTED TO

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

P.O. Box No. 1075, Nagarbhavi, Bengaluru - 560 072

SUBMITTED BY

BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Doddaballapur Main Road, Avalahalli, Yelahanka, Bengaluru-560064.
Ph: 080-28561576 Email: principal@bmsit.in Fax: 080-28567186

Part – A

1. Details of the Institution

1.1 Name of the Institution	BMS Institute of Technology and Management
1.2 Address Line 1	Post Box No. 6443, Doddaballapura Main Road,
Address Line 2	Avalahalli, Yelahanka
City/Town	Bengaluru
State	Karnataka
Pin Code	560064
Institution e-mail address	principal@bmsit.in
Contact Nos.	080-28561576
Name of the Head of the Institution:	Dr. Mohan Babu G N
Tel. No. with STD Code:	080-28561576
Mobile:	080-28561576

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Name of the IQAC Co-ordinator: Dr. Narapareddy Ramarao

Mobile: 8971247543

IQAC e-mail address: iqac@bmsit.in

1.3 **NAAC Track ID** KACOGN26961

1.4 **NAAC Executive Committee No. & Date:** F.19.26/EC(SC-27)/DO/2017/63.1
(For Example EC/32/A&A/143 dated 3-5-2004. This EC no. is available in the right corner- bottom of your institution's Accreditation Certificate)

1.5 Website address: http://bmsit.ac.in

Web-link of the AQAR: **https://bmsit.ac.in/NAAC-IQAC-AQAR_2017-18.pdf**

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1st Cycle				
2	2nd Cycle				
3	3rd Cycle				
4	4th Cycle				

1.7 Date of Establishment of IQAC : DD/MM/YYYY 15-07-2016

1.8 AQAR for the year *(for example 2010-11)* 2017-2018

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC (*(for example AQAR 2010-11submitted to NAAC on 12-10-2011)*

i. AQAR _____ _____ (DD/MM/YYYY)4
ii. AQAR_____ _____ (DD/MM/YYYY)
iii. AQAR_____ _____ (DD/MM/YYYY)
iv. AQAR_____ _____ (DD/MM/YYYY)

1.10 Institutional Status

University — State [ ] Central [ ] Deemed [ ] Private [√]

Affiliated College — Yes [√] No [ ]

Constituent College — Yes [ ] No [√]

Autonomous college of UGC — Yes [ ] No [√]

Regulatory Agency approved Institution — Yes [√] No [ ]

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution — Co-education [√] Men [ ] Women [ ]

Urban [√] Rural [ ] Tribal [ ]

Financial Status — Grant-in-aid [ ] UGC 2(f) [√] UGC 12B [ ]

Grant-in-aid + Self Financing [ ] Totally Self-financing [√]

1.11 Type of Faculty/Programme

Arts [ ] Science [ ] Commerce [ ] Law [ ] PEI (PhysEdu) [ ]

TEI (Edu) [ ] Engineering [√] Health Science [ ] Management [ ]

Others (Specify) [.]

1.12 Name of the Affiliating University — Visvesvaraya Technological University, Belagavi

1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University			
University with Potential for Excellence		UGC-CPE	
DST Star Scheme		UGC-CE	
UGC-Special Assistance Programme		DST-FIST	
UGC-Innovative PG programmes		Any other (*Specify*)	***UGC(2f)***
UGC-COP Programmes			

2. IQAC Composition and Activities

2.1 No. of Teachers	05
2.2 No. of Administrative/Technical staff	04
2.3 No. of students	01
2.4 No. of Management representatives	01
2.5 No. of Alumni	01
2. 6 No. of any other stakeholder and community representatives	0
2.7 No. of Employers/ Industrialists	01
2.8 No. of other External Experts	01
2.9 Total No. of members	14

2.10 No. of IQAC meetings held : 06

2.11 No. of meetings with various stakeholders: No. 4 Faculty 1

Non-Teaching Staff Students 1 Alumni 1 Others 1

2.12 Has IQAC received any funding from UGC during the year? Yes [ ] No [√]

If yes, mention the amount [ ]

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos. --- International [ ] National [ ] State [ ] Institution Level [ ]

(ii) Themes [ ]

2.14 Significant Activities and contributions made by IQAC:

1. IQAC consists of members from all the departments/sections of the institute.
2. The IQAC members closely work with all the committees of institute, provides support for execution of jobs very effectively and efficiently.
3. IQAC is working continuously with department/committee coordinators for collecting and collating qualitative and quantitative data from each department.
4. The IQAC has ensured monitoring of all activities and providing suggestions for improvement.

2.15 Plan of Action by IQAC/Outcome

- IQAC takes part in preparation of Calendar of Events of every semester.
- IQAC observes the execution of all activities as per Calendar of Events.
- Provides suggestions for the improvement of quality of organising various activities.
- Calendar of events for the academic year 2017-18 is provided in annexure A2.1

2.15 Whether the AQAR was placed in statutory body Yes No

Management [√] Syndicate [ ] Any other body [ ]

Part – B

Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	10	--	10	--
PG	3	--	3	--
UG	7	--	7	--
PG Diploma	--	--	--	--
Advanced Diploma	--	--	--	--
Diploma	--	--	--	--
Certificate	--	--	--	--
Others	--	--	--	--
Total	20	--	20	--

Interdisciplinary	--	--	--	--
Innovative	--	--	--	--

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options
(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	√***(All Programs)***
Trimester	--
Annual	--

1.3 Feedback from stakeholders* Alumni [√] Parents [√] Employers [√] Students [√]

(On all aspects)

Mode of feedback : Online [√] Manual [√] Co-operating schools (for PEI) [_]

Feedback analysis details are given in annexure 1.1

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

We are affiliated to Visvesvaraya Technological University. The university has revised the CBCS scheme with Internals for 40 marks and external examination for 60 marks for all BE courses from academic year 2017-18. These 40 marks internal assessment is further divided into 30 marks for internal assessment tests and 10 marks for assignment and other activities.

In this scheme:

1. Students have to undergo 4 weeks internship to be completed between the (VI and VII semester vacation) and/or (VII and VIII semester vacation) period.
2. Subjects are categorised as Core, Professional Elective and Open Elective.
3. The students have to attend all the three internals compulsorily. Average of three internals will be considered as final internal marks.
4. Credits weightage are proposed for various components like lectures, tutorials, practical for each course.
5. Credits are allotted as per VTU guidelines.
6. Rules and regulations are proposed as per CBCS scheme. Course outcomes are proposed as per the Outcome Based Education of NBA.
7. Apart from university suggested changes / modifications the institution adapted the following additional academic activities.
    - Open courses are conducted in all departments
    - Project based learning is made compulsory
    - Students are encouraged to take up MOOCS, Internship

1.5 Any new Department/Centre introduced during the year. If yes, give details.

Nil

Management has decided not to introduce any new courses for the academic year 2017-18. However the following additional intake is done for the following departments.

Sl. No.	Department	Increase in intake (2017-18)
1.	Electronics and Communication Engineering	90
2.	Computer science and Engineering	90

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
149	108	28	13	-

2.2 No. of permanent faculty with Ph.D. 40

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
4	1	2	1	1	1	-	-	6	3

2.4 No. of Guest and Visiting faculty and Temporary faculty

Department	No. of Guest (Adjunct)Faculty	No. of Visiting Faculty	No. of temporary Faculty
ECE	01	NIL	NIL
CSE	02	NIL	NIL
ME	01	NIL	NIL
ISE	01	NIL	NIL
EEE	01	NIL	NIL
TCE	01	01	NIL
CIV	NIL	03	NIL
PHY	NIL	NIL	NIL
CHEM	NIL	NIL	NIL
MATHS	NIL	01	NIL
MCA	01	NIL	NIL
TOTAL	**08**	**04**	**0**

2.5 FACULTY PARTICIPATION IN RESEARCH PUBLICATIONS, CONFERENCES AND SYMPOSIA:

Total Number Of	INTER NATIONAL	NATIONAL	STATE
CONFERENCES ATTENDED	57	26	0
PAPERS PRESENTED	52	28	0
JOURNAL PUBLICATIONS	131	4	0
CONFERENCE PROCEEDINGS	38	11	0
BOOK CHAPTERS	2	6	0
TEXT BOOKS	0	3	0
RESOURCE PERSONS	2	7	18

2.6 Innovative processes adopted by the institution in Teaching and Learning:

The following are the some of the innovative processes adopted by the institution in teaching and learning.

1. Project Based Learning(PBL)
2. Flip Classes
3. Poster Presentations
4. Blended Learning
5. Information & Communication Technology (ICT) supported learning
6. Learning through models and demonstrations
7. Collaborative Learning
8. Industrial visit based learning
9. Partial delivery of courses by industrial experts.
10. Think pair share
11. Open Courses
12. Case Study
13. Online Courses

2.7 The total number of actual teaching days during the academic year 2017-18 is 90 (odd) +90 (even) = 180

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

- Case study and Innovative Questions are included in the Internal Assessment Examinations.
- Centralised examination system is existing for conducting all Internal Assessment Examinations.

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

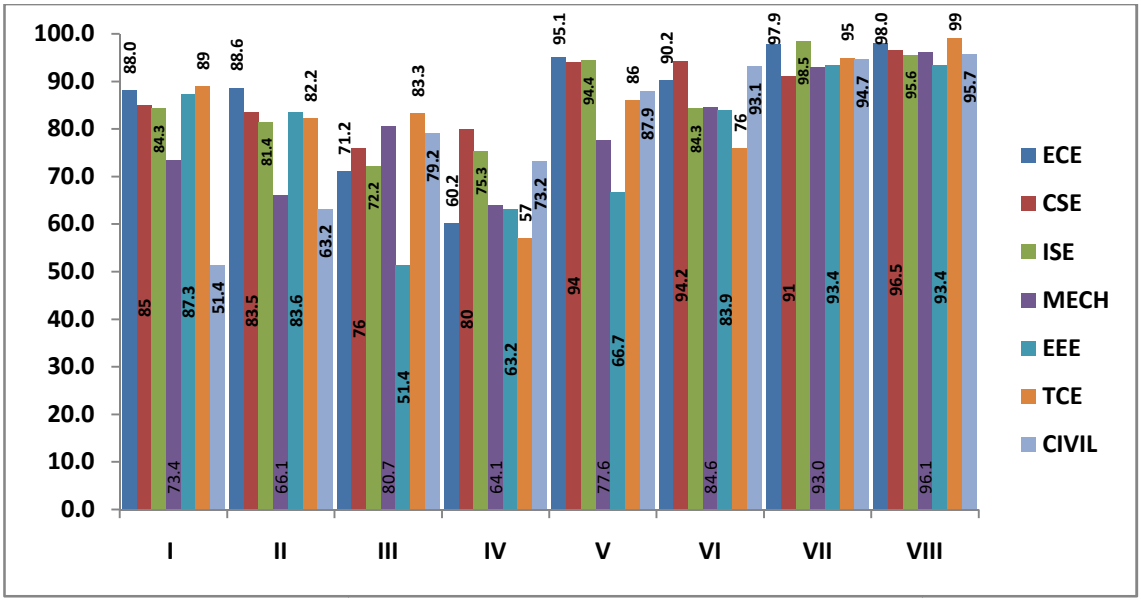
Department	No. of Faculty
ECE	02
CSE	01
ME	01
ISE	01
EEE	NIL
TCE	04
CIV	NIL
PHY	03
CHEM	NIL
MATHS	01
MCA	01
TOTAL	**14**

2.10 Average percentage of attendance of students 85%

2.11 COURSE/PRORAMME WISE DISTRIBUTION OF PASS PERCENTAGE

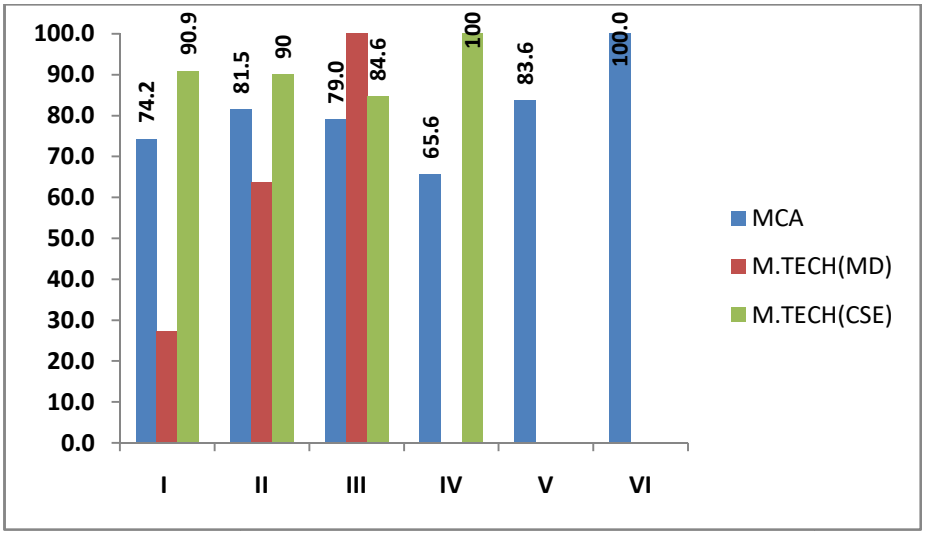
RESULT ANALYSIS OF BE PROGRAMME FOR THE ACADEMIC YEAR 2017-18

SEM	ECE	CSE	ISE	MECH	EEE	TCE	CIVIL
I	88.0	85	84.3	73.4	87.3	89	51.4
II	88.6	83.5	81.4	66.1	83.6	82.2	63.2
III	71.2	76	72.2	80.7	51.4	83.3	79.2
IV	60.2	80	75.3	64.1	63.2	57	73.2
V	95.1	94	94.4	77.6	66.7	86	87.9
VI	90.2	94.2	84.3	84.6	83.9	76	93.1
VII	97.9	91	98.5	93.0	93.4	95	94.7
VIII	98.0	96.5	95.6	96.1	93.4	99	95.7



RESULT ANALYSIS OF PG PROGRAMME FOR THE ACADEMIC YEAR 2017-18

SEM	MCA	M.TECH(MD)	M.TECH(CSE)
I	74.2	27.3	90.9
II	81.5	63.6	90
III	79.0	100.0	84.6
IV	65.6	RA	100
V	83.6	-	-
VI	100.0	-	-



LIST OF B.E. VTU RANK HOLDERS OF 2013-17 BATCH

SL. NO.	DEPT.	USN	NAME OF THE CANDIDATE	RANK
RANK HOLDERS				
1	EC	1BY13EC083	SWATHI K UPADHYA	THIRD
2	TE	1BY13TE027	NAMRATHA.S.Y	TENTH
3	EE	1BY13EE024	NAGASHREE B	THIRD
4	IS	1BY13IS052	TEJASWINI	THIRD

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

1. IQAC consists of members from all the departments/sections of the institute.
2. The IQAC members closely work with the Coordinators of academic monitoring committees of all departments and monitors the teaching learning processes. The issues related to Teaching & Learning processes of different departments are discussed in the meetings and suggestions are provided for the quality improvement of Teaching and Learning of students as well as faculty members.
3. IQAC analyses the outcomes of various programs for their attainment for the defined attainment levels. If the attainment is not achieved, the shortfalls are recognized through gap analysis. Once the curricular gaps are recognized IQAC suggests for further action through planning and execution of the related activities in the next semester.

2.13 Initiatives under taken towards faculty development:

PROGRAMMES ATTENDED BY THE FACULTY	NUMBER
REFRESHER COURSES	1
ORIENTATION PROGRAMMES	3
STAFF TRAINING CONDUCTED BY THE UNIVERSITY	1
STAFF TRAINING CONDUCTED BY OTHER INSTITUTIONS	2
WORKSHOPS	52
FDPs	163
FACULTY INTERNSHIP	139
MOOC/NPTEL/CERTIFIED ONLINE COURSES	156

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	21	-	-	-
Technical Staff	52			
Others	36	-	-	-

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

Institution has a Research Council to monitor and address the issues of research activities. The council consists of the Chairman (BMSIT), Principal, Dean (R&D) and senior faculty members from various departments and sister institution head / his nominee as an external member. It encourages the faculty members to enrol for Ph.D. programmes in their fields of interest. They are also facilitated to apply for minor/major research projects.

Recommendations made by the committee:

- To get all departments recognized as research centres by the affiliating university
- To identify and develop core areas of research in every department
- To establish interdisciplinary Research Clusters in the areas of (i) Nano Science and Technology, (ii) Signal processing and data analytics, and (iii) Heavy systems analysis and design, in the institution.
- To submit proposals to the funding agencies for conducting National/International conferences, seminars and workshops with the state-of-the-art technology
- To introduce sabbatical leave policy for pursuing research activities in reputed organizations
- To write high quality proposals seeking funds from external agencies
- To inculcate research and consultancy culture among the faculty.
- To introduce incentives for engaging in quality research.
- To encourage all eligible faculty members to enrol for Ph.D. programme
- Grant of special leave for research scholars to write examinations of course work.
- Sponsorship for attending conferences/workshops/seminars.

Impact:

- All eligible departments have applied to the university, for recognition as Research Centres.
- Research grants have been received from AICTE/NRB/DST/VGST
- More than twenty five research proposals were submitted to various funding agencies
- Thirty five of BMSIT&M faculty members are pursuing doctoral degree
- Research scholars from other organizations are pursuing Ph.D. at BMSIT&M
- Participation of students in seminars/conferences and technical events have shown an upward trend.
- The number of publications by the faculty members in national/international journals and conferences are on the rise.
- Organizing Symposia/seminars/conferences/workshops are showing an upward trend
- Consultancy activities are taking off slowly

The measures taken by the institution to facilitate smooth progress and implementation of research schemes/projects are:

- **Autonomy to the principal investigator**
  Principal investigator enjoys complete autonomy in implementing the sanctioned project. The concerned HOD extends full cooperation to the principal investigator whenever needed. The project's principal investigator is given full freedom in hiring research assistant/associate of his choice.
- **Timely availability/release of resources**
  The institution ensures the timely availability of resources for the execution of the project as per plan. The project facilitation processes in the institute, while being in line with the guidelines of the funding agency, are also hassle-free and researcher friendly.
- A**dequate infrastructure and human resources**

  All laboratories in the institute have adequate work space, and equipped with power supply, experimental facilities, computing facilities, internet connection (both wired and wireless), etc. Technical support staff and administrative staff extend the necessary support to the researcher on request. If exclusive human resources are needed, the principal investigator can advertise and recruit.
- **Reduced teaching load, special leave etc. to teachers**

  Faculty members who pursue research are allowed special casual leaves (SCLs)/, permitted to leave the campus for a brief period of time, deputed on official duty (OOD) and given similar other concessions whenever need arises and is justified to help them pursue research related activities. Their teaching workloads are adjusted and reduced if necessary, so as to enable them to finish the work in time.
- **Support in terms of technology and information needs**

  The departments provide facilities such as personal computer with internet connectivity, Wi-Fi, LAN, access to on-line and digital resources, e-journals etc. Faculty members are encouraged to procure various research related software, technical books, equipment, etc. to cater their needs and are financially supported too.
- **Support for becoming a life member of a professional body/Sabbatical leave**

  Every faculty member has been provided with 100% financial support to be member of any national professional association (75% support is provided in case of international professional association) of his choice in the area of their specialization. Further, the institute has recently adopted Sabbatical leave policy for faculty members to pursue their research interests in national/international institute of their choice. The institute also contemplates on providing book grant to faculty members. Few faculty members have used this facility to carry out research work outside the state.

- **Facilitate timely auditing and submission of utilization certificate to the funding authorities**

  The institution employs a Certified Auditor to audit and certify the utilization of the expenditure incurred on the project. The service of the institute's administrative staff is extended for the preparation and submission of utilization certificates in time.

- **Deputing faculty members for higher studies:**
  Institution has a provision for deputing a maximum of 10% of the total faculty members in a department for pursuing PhD programmes by providing them with special study leave. Few faculty members have gone for PhD work under this scheme.

- **Support from the institute to present technical papers in abroad:**
  Institution has a provision for sending faculty members to present their research work in the international conferences held outside India.
- **Financial support from the management for carrying out research projects:**
  Institution has a policy to provide seed money to carryout quality research projects under management funding. This policy is extended to carryout students' projects also. Management has funded Rs 4.5 lacks to execute Racing Car Development. Two departments have been sanctioned with Rs.25, 000/- to carryout research work.

- The Institution has also constituted a committee called **"TEAM SAMSHODHAN"**,to promote and strengthen research culture across the institute. Team Samshodhan isconsisting of 23 faculty members from all departments. Institute has appointed Dr. M B Kiran as research consultant.

  The main objectives are,
  1. To publish quality papers
  2. To get research grants.

  Team Samshodhan has been divided into the following streams,
  (a) Basic Sciences
  (b) Electrical Sciences
  (c) Computer, Information Sciences and MCA
  (d) Mechanical and Civil engineering.

  The deliverable of TeamSamshodhanare,
  (a) Two high quality research proposals for targeted funding agencies in a year.
  (b) Two high quality research publications published / accepted in highly reputed print journals
  (c) At least one application for patent.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number		5	1	1
Outlay in Rs. Lakhs		49.08 Lakhs	11 Lakhs	9 Lakhs

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number		3		
Outlay in Rs. Lakhs		0.46 Lakhs		

3.4 Details on research publications

	International	National	Others
Peer Review Journals	60	4	-
Non-Peer Review Journals	9	-	-
e-Journals	37	-	-
Conference proceedings	31	4	-

3.5 Details on Impact factor of publications:

Range 0.71 to 7.39 h-index 1.95 Nos. in SCOPUS 61 / 2 to 20

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	3 years	DST-SERB,VGST, VGST-RFTT, VGST	49,08,000	17,40,000
Minor Projects	1 year	VGST	46,000`	46,000
Interdisciplinary Projects	--	--	--	--
Industry sponsored	1 year	JSW Cements, Ultatech, Kaushik K Consultants	43,923	43,923
Projects sponsored by the University/ College		Sponsored by BMSIT&M	4,75,000	4,75,000
Students research projects *(other than compulsory by the University)*	--	--	--	--
Any other(KSCST)	--	--	58,500	58,500
Total			**55,31,423**	**23,63,423**

3.7 No. of books published i) With ISBN No. 3 Chapters in Edited Books 8

ii) Without ISBN No. -

3.8 No. of University Departments receiving funds from

UGC-SAP - CAS - DST-FIST -

DPE - DBT Scheme/funds -

3.9 For colleges Autonomy - CPE - DBT Star Scheme -

INSPIRE - CE - Any Other (specify) -

3.10 Revenue generated through consultancy 2.20 Lakhs

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number		1			
Sponsoring agencies		Self-financed(BMSIT&M)			

3.12 No. of faculty served as experts, chairpersons or resource persons 35

3.13 No. of collaborations International 1 National 1 Any other -

3.14 No. of linkages created during this year 13

3.15 Total budget for research for current year in lakhs:

From funding agency 55.31 Lakhs ment of University/College 12.396 Lakhs

Total 67.71 Lakhs

3.16 No. of patents received this year

Type of patent		Number
National	Applied	1
	Granted	
International	Applied	
	Granted	
Commercialised	Applied	
	Granted	

3.17 No. of research awards/ recognitions received by faculty and research fellows of the institute in the year

Total	International	National	State	University	District	College
4	1	4				

3.18No. of faculty from the Institution who are Ph. D. Guides 26
and students registered under them 25

3.19 No. of Ph.D. awarded by faculty from the Institution 1

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF	SRF	Project Fellows	Any other
-	-	-	-

3.21 No. of students Participated in NSS events:

University level	State level	National level	International level
-	120	-	-

3.22 No. of students participated in NCC events:

University level	State level	National level	International level
	14		

3.23 No. of Awards won in NSS:

University level	State level	National level	International lev
-	-	-	-

3.24 No. of Awards won in NCC:

University level	State level	National level	International lev
-	14	-	-

3.25 No. of Extension activities organized

University forum	College forum	NCC	NSS	Any other
-	5	5	5	-

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

National Service Scheme:

- Dr. Suresh.N, NSS Program Officer, Mrs.Hemamalini B H, Associate Professor and Mrs.Chethana C, Assistant Professor, Dept. of CSE, created an awareness on 'Rally for Rivers' among the students and also attended the National Campaign on Rally for Rivers organized at Palace grounds, Bangalore on 9th Sept 2017.
- A FREE Eye check-up was organized on 23rd March 2018 in which more than 220 students & staff were benefitted.
- A Voluntary Blood Donation Camp was organized in association with Youth Red Cross Club & NCC Unit of our College on 23rd March 2018. A total of 191 units of blood were collected.

- Music Therapy Sessions at Kidwai Memorial Hospital by Ms Vaishnavi& others organized by AshwinMaharaj Foundation [AMF]
- Civil Defence activities during the State Elections - May 12th 2018.

NCC Unit:

Sl. No.	Activity Name	Date
1	Swachh Bharat Abhiyaan at BMSITM Campus	22/09/2017
2	Dengue Awareness Rally at Avalahalli Street	23/09/2017
3	Expert talk/Speech on Role of Indian Army in Environmental Protection	13/10/2017
4	Armed force flag Day	11/11/2017
5	Shramadan Activity	16/02/2018
6	Blood Donation Camp	23/03/2018

- ASwach Bharat Abhiyaan at BMSIT&M Campus was held on 22nd of September 2017.
- To create an awareness amongst the public, a Dengue Awareness Rally at Avalahalli Street was held on 23rd of September 2017 by BMSITM 39 Kar Bn.
- On the eve of armed force flag Day, NCC wing raised a fund amounting Rs.18, 780 and the same has been handed over the same toSubedar Major at 39 KarBn NCC unit.
- On 16th of February 2018, Shramadhan activity was organized to clean the Institute premises.

College Forum:

(1) Women Empowerment Cell:

- Women empowerment cell in collaboration with Internal Complaint Committee of BMSIT&M conducted a deliberation on “Health Hygiene and Legal Issues for Women” on 18th August 2017 at 1.00 pm. This program was arranged to create awareness about issues of women. Around forty housekeeping staff, Ladies of neighbour villages and faculty members of BMSIT&M attended the seminar.The event started with an invocation song and followed by lighting of a lamp by the dignitaries at main seminar hall. The welcome speech was delivered by dr. C S Mala, Chief Coordinator, WEC. The key note address on women wellbeing was delivered by the Chief Guest Mrs.Satya. This was followed by a Presidential speech by Dr. Annamma Abharam, Vice Principal BMSIT&M.The informative talk on “Health & Hygiene” was deliberated by Dr. Srinivas from Vani Vilas hospital Bangalore. He discussed the problems faced by women right from birth, childhood, marriage and pregnancy. He also created awareness among them on various issues.

(2) OIKOS Club:

- E-Waste Collection Drive was carried out by OIKOS in collaboration with ER3 Solutions on 18th August 2017. Staff and Student members of OIKOS had collected e-wastes from their homes and from those of their neighbours and friends after advising them on the need for safe disposal of e-wastes. All contributors were provided with certificates of CSER appreciation.
- Dr. Rajesh Gopinath (Key liaison-OIKOS & Associate Professor, Dept. of Civil Engineering) was a Resource Person at the National Workshop on Role of Education in Science, Engineering on Environmental & Human Welfare, organised at Bidar on 10th February 2018 by Deccan Environmental Research Organization. He had shared the dias along with Mr.Raheem Khan (MLA, Bidar), and on this occasion he had delivered an invited talk on "Role & Need for Eco-Clubs in Creating Environmental Awareness".

(3) Youth Red Cross:

- Eye/organ Donation awareness program was conducted to create awareness amongst students and faculty members.
- Conducted the Pledge for Campign on "#Slow Down and Save Lives"

CRITERION –IV

Infrastructure & Learning resources

4.1-Details of increase in Infrastructure Facilities:

Sl. No.	Details	Newly created (1stAugust 2017 to 31st July 2018)	Source of Fund
1	Campus Area	-	BMS Education Trust
2	Classrooms	2	Management
3	Laboratories	2	Management
4	Seminar Halls	-	Management
5	No. of important equipment purchased (≥ 1.0 lakh) during the current year.	2	Management
6	Value of the equipment purchased during the year (Rs. in Lakhs)	35.37 Lakhs	Management

4.2-Computerisation of Administration &Library

In terms of Automation, online registrations, Records in digital forms etc

Sl No	Details	Data
1	Library	• Automation with Libsoft 5.0 along with Barcode started in 17-10-2002 • Migrated to KOHA 3.14 in 13-03-2014 • D-Space for Institutional Repository started in 13-03-2014
2	Office/Administration	• Online Admission - To collect the first year student information through online admission software with a unique ID • Online Faculty Recruitment portal - To Apply the Job through online application with the register users • Online Student's Feedback System • Online Faculty Appraisal System
3	Accounts	• E-Challan for Accounts - with the help of admission ID directly fetch the student data to the accounts software to generate the challan

4.3- Library Services

Sl No	Details	Existing(As on July 2017)		Newly added (1st August 2017- 31st July 2018)	
		No.	Value(Rs)	No.	Value(Rs)
1	Text books	45791	₹1,47,72,057	3802	₹17,14,093
2	Reference Books	8533		361	
3	e- Books	94	-	-	-
4	Journals	103	₹2,81,278	103	₹4,37,273
4	e -Journals	8611	1 lakh - VTU membership 9.06 lakh	27 [ASME] Total: 8638	1 lakh - VTU membership 16.61 lakh
5	Digital Data Base	-	-	-	-
6	CD & Videos	CD's : 3554 NPTL Videos: 19227	-	CD's: 180 NPTL Videos: Nil	-

Library was augmented with 3802 text books and 361 Reference books worth 17.14 Lakhs, 103 Journals worth 4.37 Lakhs , 27 e- Journals and 180 CD's.

Department Libraries

Dept	Text books	Reference Books	e-Books	Journals	e - Journals	Digital Data Base	CD & Videos
ME	910	-	-	-	-	-	5
CS	262	50	-	-	-	-	23
EEE	403	-	-	-	-	-	-
CV	132	32	-	-	-	-	-
PHY	-	55	-	-	-	-	-
IS	363	343				BMSIT,ISE learning channel in You Tube	90 Videos
TCE	268						8
CHEM	10	40	-	-	-	-	**5**
Maths	70	-	-	-	-	-	-
ECE	397	-	-	18	-	-	-
MCA	164	-	-	-	-	-	1 Set RSA algorithm

Each Department also maintains text books and reference books for use of faculty & students.

4.4- Technology Up gradation

Sl No	Details	Existing (As on July 2017)	Added (1st August 2017to 31st July 2018)	Total
1	Total Computers	750	53	**803**
2	Computer Labs	23	-	23
3	Internet	Total internet bandwidth of 110Mbps	240 Mbps	Total internet bandwidth of 350Mbps
4	Browsing center	One center with 25 systems	-	One center with 25 systems
5	Computer Centre(Digital Library)	Digital Library with 14 systems	-	Digital Library with 14 systems
6	Office	17 Systems in the Office & Accounts Department	-	17 Systems in the Office & Accounts Dept
7	Departments	692 Computers in all Departments ,	10	702 Computers in all Depts ,

4.5-Networking

Sl No	Details	Data
1	Networking	Total internet bandwidth of 350Mbp,All systems connected to the internet.
2	E Governance	1. BIMS - Mentoring System for Attendance, IA Marks, and SMS to the Parents 2. Online Admission - To collect the first year student information through online admission software with a unique ID 3. E-challan for Accounts - with the help of admission ID directly fetch the student data to the accounts software to generate the challan 4. Techsaransh - To upload the final year Projects 5. Online Faculty Recruitment portal - To Apply the Job through online application with the register users **Ongoing Projects:** 6. Complaint Management Systems 7. Leave Management Systems 8. Principal Event calendar
3	Programme for Technology Upgradation	Moodle server to conduct online learning classes

4.6-Maintenance Amounts Spent

Sl No	Details	Amount spent in lakhs (B/W 1st Aug 2017 to 31st July 2018)
1	ICT	Rs 4,50,899/-
2	Campus Infrastructure & Facilities	Rs 26,76,931/-
3	Equipment	Rs 2,63,452/-
Total		Rs 33,91,282/-

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

An Orientation program is conducted at the beginning of every new academic year to create an awareness about student support services and all other activities among the students. IQAC Monitors and updates about all the student support service related activities through circulars by circulating in all the classes and the same will be displayed on the respective notice boards.

5.2 Efforts made by the institution for tracking the progression -

1. Academic monitoring is regularly carried out once in fifteen days. During each monitoring, number of classes conducted by each faculty, students with shortage of attendance and portions covered will be monitored and corrective measures will be taken wherever necessary.
2. Proctoring is done at the department level which will be monitored by chief proctor at the institutional level. A slot is provided in the time table for proctoring. Performance attendance of slow learners and irregular students will be intimated to the parents every month.
3. Lateral entry students (Diploma background) will be assigned with a faculty coordinator in each department to understand their difficulties and provide guidance in academics and career.
4. BIMS (BMS Institute Mentoring System) is an online academic record system, wherein each faculty enters the attendance, internal marks, which will be used by proctors to monitor their students performance.
5. Remedial classes are conducted for needy students to clarify the doubts, solving previous examination question papers.
6. Parent-Teachers meeting is organised once in a semester to interact with parents and to inform the progress of their wards.
7. Students attendance and Internal assessment marks are being sent monthly once through SMS to all the parents
8. Feedback on the institution is taken once in a year.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
2432	195	64	-

(b) No. of students outside the state: 685

(c) No. of international students: 171

Men	No	%
	1785	66

Women	No	%
	906	34

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
1793	159	27	493	3	2472	1921	161	30	579	3	2691

Demand ratio Dropout % = 0.525% (13 students have taken TC)

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

No. of students beneficiaries

5.5 No. of students qualified in these examinations

NET		SET/SLET		GATE	6	CAT	2
IAS/IPS etc		State PSC		UPSC	1	Others	20

5.6 Details of student counselling and career guidance

Students counselling:

Each faculty in the department is the proctor for 20-25 students. The proctors will counsel the students based on their academic performance. However some students if they are identified as suffering from some issues will be taken care despite of their good academic performance.

Students who are facing serious difficulty at various levels, such as personal problems, peer pressure, problems related to regional language, academics etc., will be counselled initially by the students proctor. If the proctor feels there is a need for professional counselling, the same will be directed to the professional counsellor Mrs. Chethana Srinivas.

28 students have been counselled and 8 follow-up cases have been handled from August 2017 to May 2018.

Career Guidance:

- Institute has an entrepreneurship development cell which organizes seminars to motivate students to become entrepreneurs. Following are the events conducted in 2017-18

Sl No.	Name of resource person for Seminar / Guest Lectures Conducted with affiliation	Topic of Seminar / Guest Lectures Conducted	Date	Details of Participants (class/ Semester/ No. present)	Remark/ Feedback
1	Dr. Ajay Gupta, Director, Computer Resources, ODU	Summer Internship at ODU	6/3/18	6th Semester Students	Two teams have accepted to do internship at ODU
2	ATS info tech Pvt Ltd	Certification Program		6th Semester Students across the college	112 members registered across college
3	Yogesh Suresh	Entrepreneurs Day	4/5/18	2nd, 4th and 6^{th}sem students	105 students attended
4	Dr. Anitha, SJCIT Mr. Praveen A.L	Open Day	18/5/18	All semesters	60 Projects Exhibited

- Alumni Meet is organized yearly once. Alumni students are invited to give talks on career guidance. 12 alumni talks have been arranged in various departments in the academic year 2017-18.
- Startup meet, Techtransform, employer's meet are organised yearly once. Industry experts are invited for interaction and expert talks are arranged.
- Experts from universities abroad are invited for interaction.
- Czech Republic, Colorado State university and Chemnitz university professors were invited to address the students on opportunities, assistance and facilities available in foreign universities to pursue higher education.

5.7 Details of campus placement

On campus			*Off Campus*
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
97	352	297+29 = 326 (UG+PG)	

5.8 Details of gender sensitization programmes

Details of Events Conducted by Gender Champion Cell

SL. No.	Event Conducted	Date	No. of students /Groups Participated
1	A Group Discussion on "The Role of Family and Teachers in Orienting the Mind-set of Younger Generation towards Gender Equality"	18th August 2017	14 students (2 from each branch)
2	Pick and Speak Competition	16th March 2018	12 students

5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events

State/ University level 185 National level 03 International level NIL

No. of students participated in cultural events

State/ University level 211 National level 25 International level 18

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports: State/ University level 02 National level 02 International level NIL

Cultural: State/ University level 21 National level 08 International level 02

5.10 Scholarships and Financial Support

	Number of students	Amount in Rs.
Financial support from institution	2	20,000
Financial support from government	586	1,41,43,795
Financial support from other sources (J&K)	16	13,40,740
Number of students who received International/ National recognitions		

5.11 Student organised / initiatives:

Fairs	: State/ University level	1	National level		International level	
Exhibition:	State/ University level		National level		International level	

5.12 No. of social initiatives undertaken by the students

Following are some of the activities organized by the NSS Unit, NCC and Eco-Club during 2017-18

NSS	NCC	Eco-Club	Red Cross Unit
06	15	10	4

5.13 Major grievances of students (if any) redressed:

No Major grievances were reported by students in 2017-18.

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:

Academic Autonomy: Every department has freedom to develop its academic plans, deploy resources at their disposal, operationalize plans and control their outcomes. They prepare their academic calendar and lesson plans; refine teaching pedagogy, conduct internal examination, co-curricular and extra-curricular activities.

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 Heads of Departments (HoDs) and 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. 1,00,000/- per transaction which in turn will be vetted by the BoG, and cheques above Rs. 50,000/- 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 utilizeimprest amount facility. Both non-recurring 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.

Above these, the Principal conducts Town hall meetings separately with students, staff and other groups to listen to them and share his vision of the institute. This style of participative management is also present in deliberations of all committees, be it staff selection committee, procurement committee, or hostel committee. Wherever appropriate, students also form a part of the committee and play a key role in making decisions. For example, students are a part of hostel committee and decide on their menu, hygiene, etc.

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

Yes/No/Partial: Partial

E-governance

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. Innovation Centre maintains the data of all project abstracts developed by students of BMSITM.
4. Library uses OPAC (Online Public Access Catalog) for issue and return of library books. DSpaceis used to upload all case study materials related to internal assessment tests and learning materials to the students.
5. Online Faculty Feedback is taken by the institution from the students to assess the faculty performance. 360^0 Feedback is also taken from the faculty once in a academic year to assess the infrastructural facilities of the institution. The same is conveyed to the management for suggestions to be incorporated, if any.
6. PBAS (performance Based Appraisal System) is used to release the annual increments of the staff. The staffs are evaluated based on performance in Teaching/Learning, results, contribution to research, publications, FDPs organized/attended, department and institutional responsibilities shouldered etc.
7. Online Admission - To collect the first year student information through online admission software with a unique ID.
8. E-challan for Accounts - With the help of admission ID, software directly fetches the student data to the accounts software to generate the challan.
9. Tech-Saransh - To upload the students' final year projects of all branches. The data is stored in the repository.
10. Online Faculty Recruitment portal –Applicants can apply to the job through online portal as registered users.

On-going Projects:

1. Complaint Management System
2. Leave Management System
3. Principal Event calendar

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**):**

- **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 2016 Choice Based Credit System was introduced in all PG courses of M.Tech, and MCA.

The salient aspects of CBCS are:

- Course outcomes are proposed as per the Outcome Based Education of NBA.
- More weightage is given to internal assessment of students. The students are assessed on 60:40 ratios. 40% of the weightage is given to performance in internal assessment, and 60% of the weightage is given to university examination.
- Rules and regulations are proposed as per CBCS scheme.
- 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.

Our staffs are involved in framing the syllabus and conducting examinations in the various universities.

BOS Members

- Dr. NDN Prasad currently is VTU nominee in the board of studies for Engg. Physics at NMIT.
- Dr.Daruka Prasad B is a member of BOS in the Dept. of Physics at JNTU, Anantpur.
- Dr. A V. Suresh, BoS, Mechanical Board for 2015 to 2019 under VTU.
- Dr.Nagbhushan, MCA, BoS to Garden University

BOE Members:

- Dr.Thippeswamy G, Prof & Head, CSE- VTU, Mangalore University, Women University, Bijapur
- Dr.Manjunath T -Solapur University and VTU
- Dr. C. S. Mala, Prof & Head - ECE & TCE Board of VTU
- Dr. M. C. Hanumantharaju, Prof & Head, ECE - Dr. AIT, NMIT
- Dr.Ambika R, Professor,ECE - NMIT
- Dr.ArunkumarBR, HoD, MCA - Bangalore University, Mount Carmel
- Mr.Ganesh, Assoc. Prof., MCA - MSRIT

❖ **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).
- Faculty Internship is introduced in the institution. It is a mandatory requirement for all teaching staffs to undergo an industry internship for 10 days every academic year. It is a basic requirement to make them eligible for annual increments.
- Certification in Online courses (MOOCS) is mandatory. Every year, teaching staff have to undergo a minimum of two MOOCs courses to improve pedagogical skills and get updated with the current trend in technology.
- Career Advance Scheme is implemented in the institution. Through internal promotion based on their qualification and experience as per AICTE norms, 10 Associate Professors are promoted to the position of Professors.
- Sponsoring faculty members regularly for faculty development programmes/ workshops/conferences, etc. The acquired knowledge in these events helps to improve the pedagogy.
- 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:

Department	Title	Participants	Dates
CSE	Python Programming	80	5-9 Feb 2018
ECE	Computer Vision & Image Processing Techniques using MATLAB	55	5-9 Feb 2018
TCE	Mobile Communication	96	5-9 Feb 2018
ISE	Data Analytics using R	104	5-9 Feb 2018
EEE	MATLAB – A PRIMER	35	5-9 Feb 2018
CIVIL	A course on fundamentals of theory of elasticity, finite element methods and basic applications of Ansys	24	5-9 Feb 2018
MCA	Data Analytics & Visualization using Modern Tools	37	5-10 Feb 2018
Mathematics	Probability distributions	48	5-9 Feb 2018
Physics& Chemistry	Nano science and Novel materials for engineers	13	5-9 Feb 2018

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
- 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 blendedclass, 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**

- The students are continuously evaluated in a semester through three internal assessment tests. The test question paper consists of one case study question and one innovative question. The material for case study will be shared with students. It will also be uploaded in DSpace of library which can be accessed from the web. Innovative question has to be set from the study material, which is not in syllabus. The innovative question makes the students to think out of the box.
- The institution has centrally coordinated internal assessment test system, which brings in lot of discipline.
- The university examination is made digital. The university provides passwords to Chief Superintendent, DCS (Internal) and DCS (External). The question paper will be released from the server only 30 minutes before the examination. The question papers are downloaded and packed and delivered to the examination halls with utmost security and care by the officials appointed by the university for the said purpose (DCS). This system avoids question paper leakage, which is a common syndrome in various university examinations. University has introduced Digital Valuation. The answer scripts are scanned and the soft copies of the answer scripts are uploaded to the server. The university identifies the valuation centres. The answer scripts are released to the valuation centres. The valuators report to the centre and perform digital valuation. This avoids errors in valuation like- totalling mistakes, extra question ruling off, misplacing of packets, losing answer script etc.

❖ **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 to create scope for sponsored research.MoUs have been signed with NAL, GAIL, IISc, NIT-Surathkal, CMTI and Raman Research Institute.
- Innovation Centre maintains all project abstracts and products which are patented.
- 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 R&D 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.

Research Projects with Funding:

Details regarding major projects

	Completed	On-going	Sanctioned	Submitted
Number		5	1	1
Outlay in Rs. Lakhs		49.08 Lakhs	11 Lakhs	9 Lakhs

Details regarding minor projects

	Completed	On-going	Sanctioned	Submitted
Number		3		
Outlay in Rs. Lakhs		0.46 Lakhs		

Details on research publications

	International	National	Others
Peer Review Journals	53	4	-
Non-Peer Review Journals	14	-	-
e-Journals	37	-	-
Conference proceedings	30	2	-

Revenue generated through consultancy

- Prof. SaneeshCleatus T (PI) and Prof. Anil Kumar (Co-PI), Dept. of ECE, “Electronic Control Unit for Spot Welding Machine”, for M/s Gemini Electro Corporation, Bengaluru Rs. 1.72/- lakhs.
- Rs.2500/- for antenna design by Mr.Banuprakash.R, Dept. of TCE from M/s. TechniLab Instruments, Bengaluru.
- Dept. of EEE: 5000/- for CellpropPvt.Ltd

- Dept. of Civil Engg: Rs 49000/-
- ISE: 1.25 lakhs on-going consultancy projects
- Physics: Rs. 12,400/-

Innovation Lab:IoT
Details of on-going projects

- E-Bulletin Board(Springer Lecture Notes Series)
- Smart Dust-Bin
- Weather Bot
- Smart Login (Springer Lecture Notes Series)
- Indoor Plant Watering System
- Project and Seminar Repository System
- College Bus Tracking System(Springer Lecture Notes Series)
- Smart Light
- Delivery Bot
- BMSIT&M App
- Smart Canteen
- Dimensioner
- Smart Eye
- Water Quality Monitoring System
- Medi- Assist BOT

❖ Library, ICT and Physical Infrastructure / Instrumentation

Particulars	Newly added	
	No	Value
Text books	3081	₹13,65,222
Reference Books	253	-
e-Journals	ASME (27)	-
Digital Databases	-	-
Journals	103	₹4,37,273

Year	Expenditure				
	Books	Magazine/Journal (For hard copy subscription)	Magazine/Journal (For soft copy subscription)	Misc contents	Total
2017-18	₹13,65,222	₹4,56,643	1 Lakh VTU membership ₹16,61 lakh payment made by office	-	

Year	No of Technical magazines/Periodicals	No of total technical journals subscribed		Scholarly Journals Titles (In originals/reprints)
		In hard copy	In e-form	
2017-18	09	103	8638	-

Number of Volumes/titles added during past 3 years

Year	No of new titles added	No of new editions added	No of new volumes added
1-9-2015 to 31-08-2016	623	-	1325
1-9-2016 to 31-08-2017	601	-	1601
1-9-2017 to 31-08-2018	823	-	3081

Purchases:

Item	**Cost**
Land	36,093,564/-
Sports Infrastructure	2,344,510/-
Building	243,774,704/-
Furniture and Fixtures	26,235,182/-
Equipment	25,141,109/-
Vehicle	1,403,596/-
Computers	2, 144,514/-
Library Books	925,768/-
Lift OTIS	2,312,156/-
Bore well	52,200/-
Generator	2,169,511/-
Computer Software	1,082,214/-
Xerox Machine	162,520/-
Grand Assets	
Equipment	3,053,689/-
Software	492,363/-
Computer	92,418/-
Furniture and Fixture	38,562/-
Capital Work in progress	
Staff Quarters – Building	179,879/-
Civil Lab Block	146,928,361/-
Total	**494,626,820/-**

Detail are included in Annexure 6.2.1a

❖ **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:

- Salary is given as per state government norms. The latest DA provided by the state government is given to the staff. **BMS Group of institutions takes the credit of giving the complete 6th Pay Salary to its staff.**
- 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.
- Have subject expert, VTU nominee, HoD, Principal, Chairman and donor trustee in the selection panel for the fair selection of staff.
- The annual faculty assessment is done through PBAS (Performance based Appraisal System) wherein each faculty is assessed as per contribution to Teaching/Learning, Research and Development, Contribution to departmental and institutional responsibilities shouldered.
- The annual increments are released on time by the accounts department.
- The faculty is entitled for EL encashment.
- The staff gets the benefit of Gratuity on retirement.
- The promotions are given as per AICTE norms.
- Career Advancement scheme is introduced.
- Disciplinary action is taken on faculty not following the institutional rules.
- Retain good faculty members through excellent compensation and welfare measures.
- Administrative staff retention through skill development programs.
- Encouraging merited faculty 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.

Faculty Recruitment Details

List of faculty appointed to BMSIT & M (August 2017 onwards)			
Teaching Staff :			
Sl.No	**Name of Faculty**	**Designation**	**Department**
1	Dr.Shreya Banerjee	Assistant Professor	ME
2	Dr.Usha B A	Associate Professor	ISE
3	Dr. Sanjay Lakshminarayana	Professor	E&E
4	Dr.Kavitha C	Assistant Professor	Physics
5	Dr.Ramakrishnappa T	Associate Professor	Chemistry
6	Dr.Jyoti Roy Choudhuri	Assistant Professor	Chemistry
7	Dr.GeethaKuntoji	Assistant Professor	Civil
Technical Staff :			
1	Chethan Kumar B K	Network Engineer	CSE
2	Anushree B N	Teaching Assistant	ISE
3	Shama H M	Technical Assistant	Innovation Centre

❖ **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.

EEE:

MoUsigned - 02

1. Robocraze, Bengaluru
2. KPIT, Bengaluru

TCE:

MoU signed - 02

1. Techni Lab Pvt Ltd
2. ElintLabz

ME:

MoU signed -

1. Federal Mogul
2. National Design Research Foundation
3. National Aerospace Laboratory
4. Sandhar Technologies
5. Engineering Materials
6. VOLVO Construction Equipment
7. KSHIPRA Technologies
8. AJIX Fieori
9. KPIT
10. Peenya Industrial Association
11. ToYOTAKirloskar, Bidadi
12. BMW, Gurgoan

❖ **Admission of Students**

Since the institution has better ranking in NIRF and is a premiere institute, the quality of the student input is good. The students get into engineering course after completion of 10+2 or lateral entry through diploma quota. The institution gets students from CET ranking 1500+. The different categories of students admitted are CET, COMED-K, SNQ, J&K, SC/ST, OBC, PH and Management. All seats are filled up as per the norms of Karnataka Education Authority. The seat matrix is attached in Annexure 6.2.1b.

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

❖ **Planning and Development**

- The project details are provided in TECHSANGRAHA, which can be utilized by next batch students for project and research ideas.
- 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 inputs provided by faculty are used for planning the future requirements of 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.

❖ **Administration**

- Different coordination are identified and assigned to faculties. Accordingly, on a broader base, the Time Table Officer, prepares the Time Table.
- Calendar of Events is prepared by coordinator, in line with VTU calendar and institutional events.
- Based on the Calendar of Events, all activities take place in time.
- The staff members prepare their lesson plan and the execution is mentioned in the staff diary.
- Classes happen as per the time table.
- Staff meetings are held periodically to discuss the execution of the plan and the challenges faced. Action is taken accordingly.
- There are three internal tests in equal intervals of approximately 30-33 days each. After the internal tests and evaluation, the fast and slow learners are identified and necessary action is taken.

❖ **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.

❖ **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.

- 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.

❖ **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, he/she can opt for photo copy of answer scripts and revaluation. If the difference of marks of first valuation and re-valuation is greater than 15 marks, the re-valuation fee is reimbursed to the student.

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
Refer Annexure 6.3.1

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

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

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

Teaching		Non-teaching	
Permanent	Fulltime	Permanent	Fulltime/temporary
	07		03

6.3.5 Welfare schemes for Teaching, Non-teaching and Students:
Annexure 6.3.5

Sl. No.	Welfare measure by Management	% of staff members availed the benefit (2017-18)
1.	Interest free loan for purchase of laptops	5
2.	Festival Advance for nonteaching staff	43
3.	Medical Advance for Teaching and Non-Teaching staff	36
4.	Loan facility from BMS employees credit cooperative society	110
5.	Medical insurance of Rs. 2 lakhs for self and family (premium paid by Management)	221
6.	Concessional college fee for children of BMSIT employees to study in any institution of BMSET	1
7.	180 days Maternity Leave for lady staff	11
8.	Concessional College Transportation fee for Teaching and Non-Teaching staff	76
9.	Flat for Rent to Teaching and Non-Teaching staff	3
10.	Gratuity	6
11.	Earned Leave Encashment	79
12.	Educational Aid to Non-Teaching staff	48
13.	Reimbursement of school fee for one child of a non-teaching employee with a maximum limit of Rs. 10,000 per year	44
14.	Small courtesies like distributing sweets to all employees during festivals like Deepavali.	All Staff

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

- 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 audited by an external auditor are maintained for all sponsored projects.

6.4.2 Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year

Name of the non-government funding agencies/ individuals	Funds/ Grants received in Rs.	Purpose
BMSIT&M, Management	**4,75,000**	**In house Projects**
JSW Cements, Ultatech, Kaushik K Consultants	43,923	**Consultancy work**

6.5 Internal Quality Assurance System

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

The academic audit report is published on the website which brings in transparency in the system.

Audit Type	**External**		**Internal**	
	Yes/No	**Agency**	**Yes/No**	**Authority**
Academic	Yes	Yes	Yes	Yes
Administrative	Yes	Yes	Yes	Yes

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)
4. In department of ISE, Mr.SatyanarayanaRaju conducted a half day workshop on Behavioural Science and Impact on students. Students were engaged in various activities and games involving team-building skills and personality development. Various aspects such as time management and self-motivation techniques were introduced for enhanced learning.

5. EEE:
    - Student Internships
    - Faculty Internships
    - Industry Visits
    - DAB Members
6. Civil
   DAB member, Parent Participation in Employer's Meet, Participation during NAAC

6.5.3 Development programmes for support staff (at least three)

ECE& TCE	Staff Development Program on Proficiency building on Vivado and Matlab Tool was conducted on June 11-15, 2018 Total Participants: 24
Civil	One day hands on training in modern tools. One Day workshop on Roof Survey

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

CSE	1. Out Reach activities 2. Open Day Project Exhibition. 3. Project Based Learning for all Semesters. 4. Student Development Program conducted
ECE	1. Outreach Activities: 02 Activities 2. Internship: Students: 72 Faculty Members: 23 3. Consultancy: Spot Welding of 1.72 Lakhs PI: Mr.Saneesh Sponsoring Agency: Gemini Electro Corporation 4. Publication 5. Jnanavardhan for knowledge sharing among faculty members 6. Town-Hall meetings are conducted for students and faculty members 7. Project based learning: Projects from first, second and third year: 61 Final Year: 26 8. BMSIT Open-day: The Institution has celebrated BMSIT-Open Day to provide platform for the students to demonstrate their projects
TCE	1. A MOU between PEENYA INDUSTRIES ASSOCIATION and BMSIT &M was signed on 30th May 2018. This MOU was initiated and processed by Dr. C S Mala, HOD of TE and Mrs.Prathiba N, Assistant Professor of Department of Telecommunication Engineering, BMSIT&M. This MOU provides for training on various engineering related fields, student project and internships for students and staff. It is also helpful for conducting workshops/FDPs on Engineering and skill development topics. 2. A MOU between ELINT LABZ and BMSIT&M is signed on the 5th June 2018 with the objective of Industry-Institution Interaction 3. A MOU between Department of Telecommunication Engineering, BMSIT&M and TechnilabInstruments was signed on 22.12.2017. This MOU provides for training on RF communication, student project and internships for students and staff. It is also helpful for conducting workshops/FDPs on RF communication and related topics. 4. Consultancy initiatives are taken up for antenna design for M/s.TechniLab Instruments by the dept.

Civil	One National Conference
MCA	02, MoUs signed

6.5.5

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
Refer Annexure 6.5.6

Criterion – VII

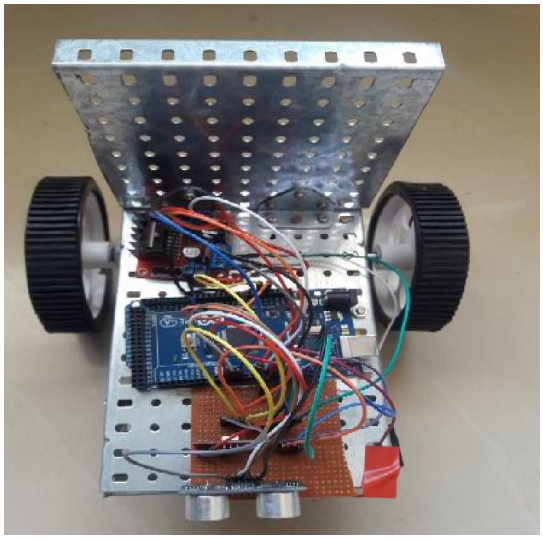
7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

1. An **Innovative centre** has been established to inspire and motivate faculty and students of all disciplines of engineering, sciences and management within the organization to inculcate innovative thinking through systematic approach, the centre has taken various initiatives to foster innovation ideas in the institution. The eagle view of the activities idea contests, innovative projects, workshops. IOT lab set up etc. some of the innovative projects include **Paper Battery, Head Motion and Voice Controlled Wheelchair, Intelligent Traffic Signal System, Digitalized Agriculture, Automated Security in Vehicles, Robotic-based Intelligent Farming, Paper-less ticket (a Mobile-based App),Innovative anti-theft system for the Library at BMSIT&M etc.**

2. **The centre has started following Prototype development projects**

   Smart city development, Landslide detector ,Google Assistant-Quickpod Enhancement of efficiency of induction motor under partial load Conversion of waste heat to electricity, Composting wet waste Pervious concrete to recharge ground water Deployment of air bags for the entire body or chassis in case of accidents Smart fire extinguishing system, To harness electricity from road humps Emergency Message Broadcasting during accident using VANETs Solar-powered Cell Phone, Monitoring elderly people through Robots.



3. **Students has participated in various innovative competitions** held by KPIT sparkle, Accenture innovation challenge, Young innovators festival 2018. Grand challenge-GOK, Abhinav Soch – Nayee Sambhawanayen" – an innovation idea contest called by Ministry of New and Renewable Energy

- All the department have encouraged to undergo online courses from **NPTEL/MOOC/other certification programs** for both students and faculty members

- All the departments have conducted **open short term courses** in the beginning of the semester for the duration of 1 week in contemporary subjects. Any student of any branch can enroll for any course.

- To promote **industry interaction activities**, BMSIT has taken an initiative to facilitate faculty members to undergo **faculty internship** for the duration of 10 days. This resulted in some consultancy work and opportunity for student internship

- The students were encouraged to undertake **PBL(Project Based Learning)** to enrich knowledge in their subject of choice.

- **Open day hackathon** was conducted in collaboration with open cube lab on climate change, disaster warning system and women's health

- Many **skill development programs** have been done by all the departments to enhance the competency of students and faculty members

- Faculty members have been invited in reputed organization to deliver the talk on various subjects.

- A **dedicated Innovative cell** has been established to help the students and faculty members to nurture their innovative idea and help them to commercialize idea to product.

- **Welfare schemes** is in place to cover medical insurance for the students and faculty members.

- Institution is following **outcome based education** methodology to enhance the skill set of the students

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

BOG has approved the strategic plan and accordingly short term and long goals have been identified. The institution is in line to meet the said objectives .The trust periodically monitors the extent of compliance in all the aspects of the institution

- Dept. of ISE and MCA have been accredited by NBA, New Delhi and it was decided to increase the intake of ISE in the current BOG meeting.
- BOG suggested to improve the NIRF ranking of the institution and prepare to have strategy for the same.
- BOG suggested to increase the h-index of the research papers published by the faculty members and also to display the papers in the departmental notice board.
- The institution has made MOUs with 4 companies for internships, trainings, joint proposals, projects, patents etc and BOG has execute these MOUs effectively.
- BOG suggested to form Advisory committee for the innovation centre to promote innovation culture effectively in terms of commercialization
- BOG suggested to form a special cell for the students to advice on higher education.
- Principal suggested to have administration training to senior staff before embarking upon Autonomous status.
- BOG suggested to decrease the number of ineligible students for placements by implementing suitable mechanism and motivate them to perform better in studies do that they can get good placements
- BOG suggested to incentivise the faculty members for publishing paper in reputed journals.

7.3 Give two Best Practices of the institution

The two best practices of BMSIT&M are as follows

1: Proctoring System:
2: Techno-cultural Events

Details are enclosed in Annexure -7.1.1 and 7.1.2 as per the format

7.4 Contribution to environmental awareness / protection

- Clean-up drive was conducted in the campus in collaboration with NSS on 17th August 2017.
- **E-Waste Collection Drive** was carried out by **OIKOS** in collaboration with
- ER3 Solutions on 18th August 2017. Staff and Student members of OIKOS had collected e-wastes from their homes and from those of their neighbours and friends after advising them on the need for safe disposal of e-wastes. All contributors were provided with certificates of CSER appreciation.
- Students of bmsit and also took part in the Event "**Rallying for Rivers**" honouring the occasion on 9th September 2017, at Palace Grounds.
- Adv. Deepak BR (Environmental Advocate, Hon. Supreme Court of India) had engaged in "**Environmental Sensitization**" in the orientation program for the newly inducted student members of OIKOS, the Eco-Club of BMSIT&M, Bengaluru 64, on 22nd September 2017.
- Lieu Clement Almeida (Adjutant, 15 IDSR, Indian Army) had delivered an Invited Talk on" **Role of Indian Army in Environmental Protection**" on13th oct 2017.
- As a part of the **Swachcha Bharat Abhiyaan, "Shramdaan**" a plastic clean-up drive was conducted in the campus in collaboration with NSS & NCC No 39 Battalion BMSIT&M on 16th February 2018.
- An Environmental Sensitization on **Urban Wildlife Rescues** was organized for the benevolence of all members. The session was engaged by Dr MK
- Shashidhar (Wildlife Rescuer, Veterinarian and Naturalist), Bengaluru On 16th March 2018.
- Awareness session on **Dry Waste Management** was organized in
- Collaboration with ITC WOW for the benevolence of all members On 23rd March 2018,.
- The Environmental Documentary "**A PLASTIC OCEAN**" which depicts the peril of plastic on Marine Environment (as a consequence of human action) was screened for members on 9th March 2018

Photos are enclosed in Annexure -7.2

7.5 Whether environmental audit was conducted? Yes No √

7.6 Any other relevant information the institution wishes to add.

- BMS institute of Technology & management" has been awarded 'A' Grade by NAAC.
- BMSIT College Rotaract club has been officially recognized
- BMSIT&M organized VTU Bengaluru North Zone, Central Karnataka & Inter Zone Inter Tournaments for the year 2017-18.
- A Gender champion cell is established to make the young boys and girls gender sensitive and create positive social norms that value the girls and their rights.
- All the eligible programmes at BMSIT &M has been accredited by the National Board of Accreditation(NBA) , New Delhi.
- Partial delivery of classes by industry experts
- Alumni Meet was conducted to facilitate the industry trends career interaction for the Current students. And Open short term courses have been conducted in the Contemporary technologies under skill development programme.

Annexure A2.1a

BMS Institute Of Technology and Management
Avalahalli, Yelahanka, Bengaluru – 560064

Calendar of Events 2017-18(ODD Semester)

Month	Week	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Working Days	Events	Holidays
August	1st	7	8	9	10	11	12	13	6	7th Aug Commencement of Higher Semester 7th - 9th Orientation Programme for freshers	
	2nd	14	15	16	17	18	19	20	5		15th August Independence Day
	3rd	21	22	23	24	25	26	27	5	22nd Aug Academic Monitoring – 1 (Verification of academic documents)	25th August Ganesh Chathurthi
	4th	28	29	30	31				4	28th, 29th & 30th Aug NAAC Peer Team Visit	
September						1	2	3			
	5th	4	5	6	7			10	4	4th Sept Project Orientation (only for final year) - SPARC 8th & 9th Tech Transform	
	6th	11	12	13	14	15	16	17	6	14th ,15th and 16th First Internal Assessment – Test1 11th Sept Academic Monitoring-2 (Verification of academic documents and counseling)	
	7th	18	19	20	21	22	23	24	5	23rd Sept Marks & Attendance to be displayed on the Notice board. 23rd Sept Dispatch of progress report (Sending SMS /Mail). 20th Sept Pre Assessment of final year project	19th September Mahalaya Amavasya
	8th	25	26	27	28	29	30	1	4	25th to 28th Sept Remedial classes for weak students 25th Sept Faculty appraisal by students - I 28th Sept Allocation of Project Guides	29th September AyudaPooja 30th September Vijayadashami
October								8			1st October 10th Day of Muharram
	9th	2	3	4	5	6	7	8	4	7th Oct Parent-Teacher Meeting 4th Oct Academic Monitoring-3 (Verification of academic documents and counseling)	2nd Gandhi Jayanthi, 5th October Maharshi Valmiki Jayanthi
	10th	9	10	11	12	13	14	15	6	12th, 13th & 14th 2nd Internal Test	
	11th	16	17	18	19	20	21	22	4	21st Oct Marks & Attendance to be displayed on the Notice board. 21st Oct Dispatch of progress report (Sending SMS /Mail)	18th October Naraka Chaturdashi 20th October Bali Padyami
	12th	23	24	25	26	27	28	29	6	23rd to 28th Oct Remedial classes for weak students. 25th Oct Academic Monitoring –4 (Verification of academic documents and counseling), 23rd Oct Submission of Project Abstract, 26th Oct Review Meeting by SPARC	
	13th	30	31						2	30th Oct Faculty appraisal by students - II 30th & 31st Oct Preliminary Project Presentation & Rephrasing of the problem as per the suggestion of SPARC	
November				1	2	3	4	5			1st November Rajyotsava Day
	14th	6	7	8	9	10	11	12	5		6th November Kanakadasa Jayanti
	15th	13	14	15	16	17	18	19	6	13th, 14th & 15th Nov 3rd Internal Test 18th Nov Academic Monitoring – 5 (Verification of academic documents and counseling).	
	16th	20	21	22	23	24	25	26	6	23rd Nov Progress Report -Display of Final Attendance and IA Marks and Sending SMS / Mail), 25th Nov Last Working day of Odd Semester.	
Total Number Of Working Days									91		
VII Examinations										Practical Examinations: 29.11.2017 to 08.12.2017 (I,III,V&VII Sem B.E/B.Tech, III MCA & V MCA) Theory Examinations: 11.12.2017 to 10.01.2018 (III,V&VII Sem B.E/B.Tech) 11.12.2017 to 30.12.2017 (I Sem B.E/B.Tech,III MCA & V MCA) 12.12.2017 to 30.12.2017 (III Sem M.Tech Arrear Subjects) Commencement of Even Semester: 01.02.2018 (B.E/B.Tech/MCA) 08.01.2018 (III Sem M.Tech)	

*Student Centric Activity - Technical Talk/Seminar/Workshop/Quiz/HANDS-ON Session on Blended Learning (OBE Related activities) to be organized by the respective departments
* Department Fest to be completed in the month of August Only.
* Monthly Report to be submitted 5th of every month.
* Department meeting to be conducted every week.

Annexure A2.1b

BMS Institute of Technology & Management
Avalahalli, Yelahanka, Bengaluru – 560064
Calendar of Events 2017-18 (EVEN Semester)

Month	Week	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Working Days	Events	Holidays
January	1st	22	23	24	25	26	27	28		22nd January Commencement of Even Semester (For Faculty) 22nd to 31st January FDP, 23rd to 25th January (Sports for Faculty)	26th January Republic Day
	2nd	29	30	31				4		30th January to 3rd February Placement Training(6th Semester Students)	
					1	2	3				
February	3rd	5	6	7	8	9	10	11	6	5th February Commencement of Even Semester (For Students) 5th to 9th February Open Courses	
	4th	12	13	14	15	16	17	18	5	17th February Employers Day(All branches except Civil)	13th Feb Maha Shivarathri
	5th	19	20	21	22	23	24	25	6	19th & 20th February 8th Sem Project Presentation phase-I 23rd to 25th February NBA Visit (ISE & MCA) 24th February Project Based Learning-1(Batch Creation) by Class Teacher	
	6th	26	27	28					6	28th February Feedback on peers, HoDs, VP, Principal & Dean 3rd March Employers Day(Civil)	
					1	2	3	4			
March	7th	5	6	7	8	9	10	11	6	5th March Project Based Learning-1(Guide Allocation)	
	8th	12	13	14	15	16	17	18	6	12th, 13th & 14th March Test -1	18th March Ugadi
	9th	19	20	21	22	23	24	25	6	19th & 20th March 8th Sem Project Presentation phase-II, 21st March Entry of test-1 Marks into BIMS, 22nd March Sending of SMS /e-mail with reference to test-1 to parents, 22nd to 24th March Faculty Feedback-1, 24th March Parent-Teacher Meeting.	
	10th	26	27	28	29	30	31		4	26th March Project Based Learning - Synopsis Submission	29th March Mahavir Jayanti 30th March Good Friday
								1			
April	11th	2	3	4	5	6	7	8	6		
	12th	9	10	11	12	13	14	15	5	11th, 12th & 13th April Test - 2	14th April Dr. Ambedkar Jayanthi
	13th	16	17	18	19	20	21	22	5	20th April Entry of test-2 Marks into BIMS, 21st April Sending of SMS /e-mail with reference to test-2 to parents, 20th & 21st April Utsaha	18th April Basava Jayanthi
	14th	23	24	25	26	27	28	29	6	26th to 28th April Faculty Feedback-2	
	15th	30							5	30th April & 2nd May 8th Sem Project Presentation phase-III	1st May May Day
May			1	2	3	4	5	6			
	16th	7	8	9	10	11	12	13	6	10th, 11th & 12th May Test - 3	
	17th	14	15	16	17	18	19	20	6	15th May Open Day (College level Project/PBL Exhibition), 19th May Farewell Day, 19th Entry of test-3 Marks into BIMS	
	18th	21	22	23	24	25	26	27	6	21st May Sending of SMS /e-mail with reference to test-3 to parents 26th May Last Working Day(Tentative)	
Total Number of Working Days									90		
VTU Examination										Practical Examinations: 28.05.2018 to 06.06.2018 (II,IV&VI Sem B.E/B.Tech). 28.05.2018 to 02.06.2018 (IV Sem MCA) 11.06.2018 to 16.06.2018 (II Sem MCA & II Sem M. Tech) Viva Voce: 11.06.2018 to 16.06.2018 (VIII Sem B.E/ B. Tech) Theory Examinations: 11.06.2018 to 14.07.2018 (II,IV&VI Sem B.E/B.Tech) 28.05.2018 to 08.06.2018 (VIII Sem B.E/B.Tech) 18.06.2018 to 30.06.2018 (II Sem MCA & II Sem M. Tech) 04.06.2018 to 20.06.2018 (IV Sem MCA) 28.05.2018 to 02.06.2018 (IV Sem M. Tech) Commencement of ODD Semester: 01.08.2018 (B.E/B.Tech/II Sem MCA/II Sem M. Tech)	

*Student Centric Activity - Technical Talk/Seminar/Workshop/Quiz/HANDS-ON Session on Blended Learning (OBE Related activities) to be organized by the respective departments.

PRINCIPAL

Annexure-1.1

BMSIT&M FEEDBACK SYSTEM

Student Feedback Analysis report:

The BMSIT&M has a well-established feedback system which is designed and developed by Dev X Company. The company was established in the year 2017 by the students of Department of CSE, BMSIT&M. Prior to this a complete feedback system process was handled by the other team of Department of CSE, BMSIT&M. The latest software has a better user interface and was built using advanced technologies.

The feedback collection process:

The following steps are involved in the feedback collection process.

- The Feedback collection system is a confidential online portal. It will be collected twice in every semester. First feedback will be after one month and another will be at the end of the semester. The students will provide feedback for all the courses and also on Institute facilities & Infrastructure. The respective department feedback coordinator will confidentially issue the individual password for each student on the day of feedback collection.
- If less than 50% of the total strength of the students given feedback for any course then that course feedback is not considered for further processing. The process is repeated again.

Feedback analysis process:

The feedback of all the faculty members is analysed based on the set of questionnaire for all the subjects in common. The evaluation is graded based on the scale of One to Five.

Scale of feedback system as follows:

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. Since 2015-16 the feedback of laboratories were also initiated. Every laboratory was handled by two to three faculty members and the feedback of all the faculty in-charge of that particular subject was taken.

Action Plan on the basis of reward / corrective measures if any:

Reward: A good feedback is one of the components of faculty evaluation in PBAS (Performance based Appraisal System) it contributes to 20% of PBAS score and minimum of 60% score is mandatory for getting increment.

Corrective measures: If a faculty gets feedback less than 60%, then he/she will be **counselled /inquired by a competent committee to ascertain the root cause of the performance.** He/she will be sent for faculty development programs / motivated to do a

better job. Suggestions, Counselling and support have been provided to the concerned faculty for teaching-learning performance improvement.

Effectiveness:

As per the norms of the Institute, faculty member who has obtained less than 60% in the student evaluation of teachers are counselled by the Chairman and Principal. They were advised to improve their teaching and learning process and disseminate the knowledge more effectively. The faculty members also assured to do their best to improve their teaching methodologies. They were also advised to take some training sessions if required.

The counselling was aimed to help the individual become aware of himself and his responsibilities in teaching and learning process. Hence the guidance and counselling no doubt has a lot of roles to play for an efficient and effective teaching and learning which deserves a maximum support for the individual.

Feedback Analysis report- 2017-18- Even Semester

Feedback	Date	Hit Ratio	***% of Faculty scored <60%***
FB1	28-4-2018	88%	***3.37***
FB2	13-5-2018	90%	***2.7***
The faculties were counselled by the committee headed by the principal on 28-4-2018 and 17-5-2018 and advised to improve their performance in teaching methodologies. The faculties were suggested to attend faculty development training and programme to improve their skills.			

Feedback Analysis report- 2017-18- Odd Semester

Feedback	Date	Hit Ratio	***% of Faculty scored <60%***
FB1	25-9-2017	89%	***2.7***
FB2	15-11-2017	85%	***2***
The faculties were counselled by the committee headed by the principal on 14-11-2017, 20-11-2017 and advised to improve their performance in teaching methodologies. The faculties were suggested to attend faculty development training and programme to improve their skills. The Board of Members had advised and counselled the faculties.			

In the above analysis 98% of the entire college students had given feedback for 148 faculty members.

Peer Feedback:

In addition to students feedback about faculty who handle courses for them, the institution also captures the following feedback.

i. Feedback on principal by faculty members
ii. Feedback on HOD's by the respective department staff
iii. HOD's feedback on other HOD's
iv. Feedback on institution infrastructure and facilities by both students and staff.

Feedback from Alumnus:

Feedback on curriculum from alumni has been constantly taken over the years through various modes - online, offline, and through constant interaction and discussion with the alumnus.

A broad analysis of these responses has shown that the alumnus have had an overall positive on the course and its outcomes. The responses can be broadly represented in the following points:

- Introduction of skill based training programs as suggested by alumnus, have helped students focus on specific skills. The program is now conducted every semester to add to the all-round development over and beyond the regular coursework.
- Focus on additional courses with close interaction of industry has impressed the alumnus as they had earlier felt that industry and institute gap was large. The efforts made in this area to try and bridge the gap through courses, industry visits and industry internships has shown positive response from all stakeholders.
- The alumnus has encouraged and liked the outcome based education models as it enables a better understanding and also has measurable yardsticks.
- Alumni have always come forward to enhance the course of the students by close interactions through technical talks, workshops and other sessions that add value to the students course.
  The level of practical and hands-on in core engineering courses must be as high as possible as it helps students visualize and understand better.
- Core engineering courses/workshops such as AutoCAD, Solid Edge, ANSYS have received positive response from alumnus.
- Emphasis on projects to be carried out by students through their course.
- Alumni have expressed their satisfaction on the co-curricular activities that are conducted in the college as it helps with overall development of students.
- A few alumni have expressed a need to improve core placements.

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.

Year	2017	2018
No. of companies visited for campus placement	79	83

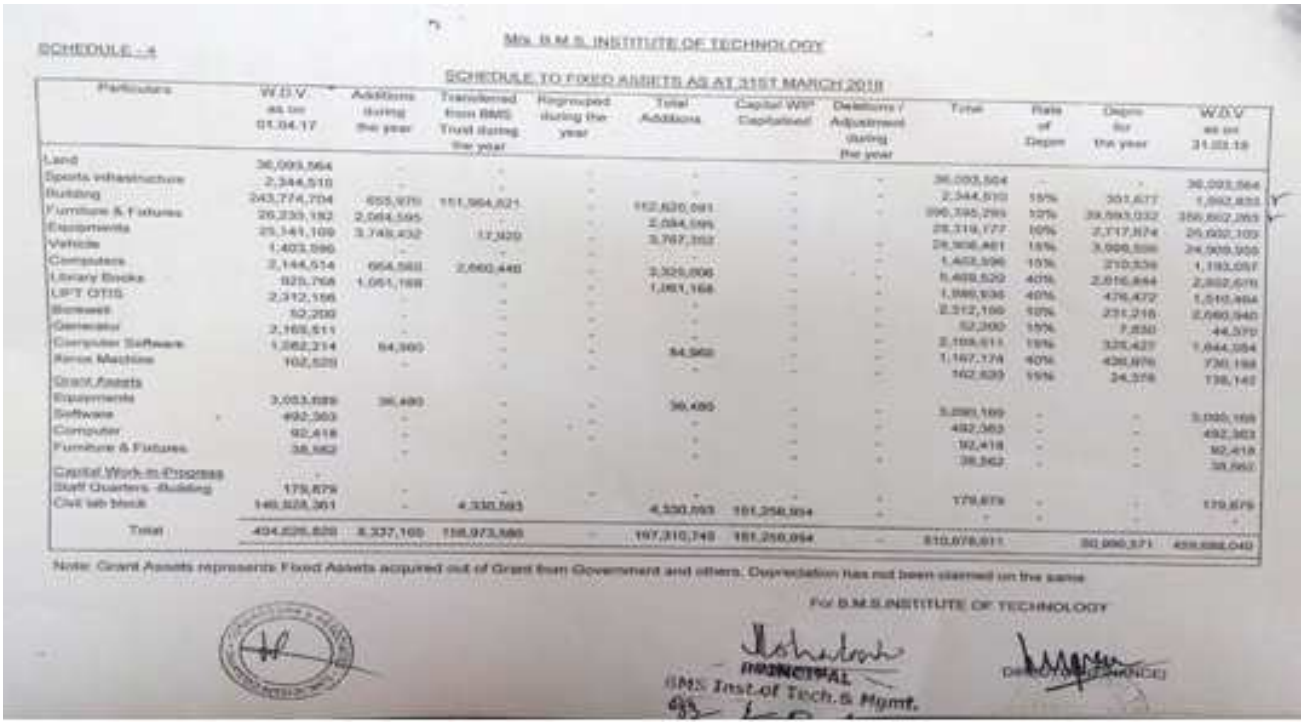
- The analysis of employers' feedback is based on the following metrics: Hospitality, Facilities & Administration, and Coordination by the placement team, quality of candidates facing interviews and Overall rating of the placement process at BMSIT&M.
- The employers rate the overall campus drive process of BMSIT&M at an average of 87.83%.

Parent's Feedback:

Parent's feedback is obtained during parents teacher meetings conducted in each department in each semester and also in departmental DAB meetings. Parent's feedback is obtained manually or orally

during meetings on various aspects of academics. Their suggestions include arranging invited talks on interpersonal skills, arranging for internships, requesting to provide hard copy of the material to students and also suggestions to improve technical skills of the students etc. They also appreciated the concept of conduction of parent'steachers meetings, proctoring system and information provided on their academic progress and other activities in the departments.

Annexure 6.2.1a



SCHEDULE - 4

M/s. B.M.S. INSTITUTE OF TECHNOLOGY

SCHEDULE TO FIXED ASSETS AS AT 31ST MARCH 2018

Particulars	W.D.V. as on 01.04.17	Additions during the year	Transferred from BMS Trust during the year	Regrouped during the year	Total Additions	Capital WIP Capitalised	Deletions / Adjustment during the year	Total	Rate of Depn	Depn for the year	W.D.V. as on 31.03.18
Land	36,093,564	-	-	-	-	-	-	36,093,564	-	-	36,093,564
Sports infrastructure	2,344,510	-	-	-	-	-	-	2,344,510	15%	351,677	1,992,833
Building	243,774,704	655,970	151,964,621	-	152,620,591	-	-	396,395,295	10%	39,593,032	356,802,263
Furniture & Fixtures	26,233,182	2,084,595	-	-	2,084,595	-	-	28,319,777	10%	2,717,874	25,602,103
Equipments	25,141,109	3,748,432	17,920	-	3,767,352	-	-	28,908,461	15%	3,996,556	24,909,905
Vehicle	1,403,596	-	-	-	-	-	-	1,403,596	15%	210,539	1,193,057
Computers	2,144,514	664,560	2,660,440	-	3,325,006	-	-	5,469,520	40%	2,016,844	2,802,676
Library Books	925,768	1,061,168	-	-	1,061,168	-	-	1,986,936	40%	476,472	1,510,464
LIFT OTIS	2,312,156	-	-	-	-	-	-	2,312,156	10%	231,216	2,080,940
Borewell	52,200	-	-	-	-	-	-	52,200	15%	7,830	44,370
Generator	2,169,511	-	-	-	-	-	-	2,169,511	15%	325,427	1,844,084
Computer Software	1,082,214	84,960	-	-	84,960	-	-	1,167,174	40%	436,976	730,198
Xerox Machine	162,520	-	-	-	-	-	-	162,520	15%	24,378	138,142
Grant Assets											
Equipments	3,053,689	36,480	-	-	36,480	-	-	3,090,169	-	-	3,090,169
Software	492,363	-	-	-	-	-	-	492,363	-	-	492,363
Computer	92,418	-	-	-	-	-	-	92,418	-	-	92,418
Furniture & Fixtures	38,562	-	-	-	-	-	-	38,562	-	-	38,562
Capital Work-in-Progress											
Staff Quarters -Building	179,879	-	-	-	-	-	-	179,879	-	-	179,879
Civil lab block	146,828,361	-	4,330,593	-	4,330,593	151,258,954	-	-	-	-	-
Total	494,626,820	8,337,165	158,973,580	-	167,310,745	151,258,954	-	510,678,611		50,990,571	459,688,040

Note: Grant Assets represents Fixed Assets acquired out of Grant from Government and others. Depreciation has not been claimed on the same

For B.M.S.INSTITUTE OF TECHNOLOGY

PRINCIPAL
BMS Inst.of Tech.& Mgmt.

DIRECTOR (FINANCE)

Annexure 6.2.1b

Rank List of students admitted under CET								
Starting and Ending Rank								
BRANCHES	2017-2018							
	CET							
	GM		SNQ		OBC		SC/ST	
	STARTING RANK	ENDING RANK	STARTING RANK	ENDING RANK	STARTING RANK	ENDING RANK	STARTING RANK	ENDING RANK
ELECTRONICS & COMMUNICATION ENGINEERING	2717	6932	2209	5753	7000	13716	13798	48873
COMPUTER SCIENCE & ENGINEERING	1594	5830	2077	6317	6494	16132	18347	51935

INFORMATION SCIENCE & ENGINEERING	3910	10055	5261	7328	11687	17166	25406	58067
MECHANICAL ENGINEERING	3388	9804	9003	10226	10332	23459	31580	58420
ELECTRICAL & ELECTRONICS ENGINEERING	5241	12378	8901	11963	13625	29719	35095	40742
TELECOMMUNICATION ENGINEERING	8391	24400	8841	16717	27468	55914	35993	66229
CIVIL ENGINEERING	9479	15627	12310	14612	16065	29756	31293	64854

Rank List of students admitted under COMED-K

Starting and Ending Rank

BRANCHES	2014 - 15		2015 - 16		2016 - 17		2017-2018	
	STARTING RANK	ENDING RANK	STARTING RANK	ENDING RANK	STARTING RANK	ENDING RANK	STARTING RANK	ENDING RANK
ELECTRONICS & COMMUNICATION ENGINEERING	3231	7931	3616	22046	2373	32799	3259	44912
COMPUTER SCIENCE & ENGINEERING	1425	5185	3287	21256	2497	23335	1321	20210
INFORMATION SCIENCE & ENGINEERING	5253	8474	5116	30658	4152	27092	4042	30656
MECHANICAL ENGINEERING	4880	10897	3558	29252	5265	16616	8422	47734
ELECTRICAL & ELECTRONICS ENGINEERING	6412	13767	4358	13777	2827	12969	14615	30324
TELECOMMUNICATION ENGINEERING	6429	19399	7954	35848	8966	30356	12545	26597
CIVIL ENGINEERING	5001	17277	11754	28282	14516	39045	15827	42406

Annexure 6.3.1

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
Department of ECE:				
2017-18	Dr. R Ambika	One week faculty development program on "Emerging Technologies in Short Range Wireless Communication"		Rs. 1500/-
2017-18	Hamsavahini R	One day IEEE workshop on CDIO approach to Engineering Education	IEEE	Rs. 1500/-
2017-18	Dr.Seema Singh	One day IEEE workshop on CDIO approach to Engineering Education	IEEE	Rs. 1500/-
2016-17	Dr.A. Shobha Rani	Short course on 4G/5G MIMO Wireless Communications---3 Days		Rs. 2000/-
2017-18	ShilpaHiremath	Six days FDP GIAN: "Towards safe cities: A mobile and social networking approach"		Rs. 3000/-
2017-18	Sabina Rahaman	6 Days FDP on signal processing and embedded system design using Xilinx and MATLAB tools		Rs. 1500/-
2017-18	Rashmi N	Six days FDP GIAN: "Towards safe cities: A mobile and social networking approach"		Rs. 3000/-
Department of TCE:				
2017	Mr.Raghunandan .G.H	Workshop on Research Methodology & Latex at VEET Puttur	---NA---	Rs. 4600
2017	Mr.Banuprakash R	Conceive design implement operate CDIO a support to OBE	---NA---	Rs. 1500
2017	Mr.SiddiqIqbal	FDP on Advances in communication Networks NS3	---NA---	Rs. 1000
2017	Mrs. Saritha I.G	FDP on Advances in communication Networks NS3	---NA---	Rs. 1000
2017	Mrs. Sowmyashree .S	FDP on Advances in communication Networks NS3	---NA---	Rs. 1000
2018	Mr.MallikarjunaGowda C.P	Workshop on building scalable CISCO internet networks at BMSCE	---NA---	Rs. 1000
2018	Mrs.Sumathi.M	Workshop on IOT system design using RRI and data analytics	---NA---	Rs. 1000

2018	Mrs.Thejaswini .S	Conference on Artificial Intelligence & machine learning in real world	---NA---	Rs. 3000
Department of ISE:				
Aug 2017	Mrs.Shwetha M S Mrs.Shanthi D L Mrs.Arpitha H M	NS-3 Workshop		Rs. 1500/ per person
Oct 2017	Mrs.Ashwini	International Conference on FICTA		Rs. 11,920/-
Oct 2017	Dr S K Pushpa	Workshop on The CD10 Approach to Engineering Education		Rs. 1500/-
Aug 2017	Dr S K Pushpa	International Conference on Smarttech conference		Rs. 4000/-
Jan 2018	Dr.Manjunath T	Workshop on Restrictive and Redesigning curriculum in higher education		Rs. 2610/-
Jan 2018	Dr.Manjunath T	National and International Accreditation		Rs. 2307
Department of Civil Engineering:				
2017-18	Dr Rajesh Gopinath	International Conference on Waste Management	Attending conference at IIT Guwahati	Rs. 5000/-
Department of MCA				
30/10/17	Prof Sridevi M	CDIO approach to Engineering Education at BMSCE		Rs. 1500/-
18th and 19thMay 2018	Prof. Sridevi M&	IEEE International Conference on RTICT, SVCE Bangalore		Rs. 4000/-
18th and 19thMay 2018	Prof. Reshma CR	IEEE International Conference on RTICT, SVCE Bangalore		Rs. 4000/-
22nd to 24th Jan 2018	Mr..Shashikiran	Python Application development , SVIT Bangalore		Rs. 1000/-
2017-18	Shivakumara T	MTA – Security Fundamentals	MTA-IEEE	Rs. 4000/-

Annexure 6.3.2

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	Dates (from-to)	No. of participants (Teaching staff)	No. of participants (Non-teaching staff)
2017-18	5 Days hands on workshop on Data analytics and Machine Learning using R software"		22-24 Jan 2018	30	
2017	Department of TCE, in association with ELECTRO SYSYTEMS ASSOCIATES, Bengaluru had organized **Five Days Faculty Development Program** on "Programming ARM Processor with Hands on using ESA KEIL ARM Cortex-M3 Evaluation Board"		11-15 Dec 2017	38	
2017-18	FDP on "Advances in Composite & Smart Materials"	-	31Jul-4 Aug-17	36	-
Department of EEE					
Aug 2017	"Renewable Energy – Challenges and Opportunities for Research"	--	31st Jul to 4th Aug 2017.	20	5
Jan 2018	"Recent Advances in Renewable Energy Technologies"	--	22-27 Jan 2018	67	7
June 2018	"Automotive Electronics and Industrial Automation"	--	25 - 29 Jun 2018		
Department of Civil Engineering					
2017-18	One Day Workshop on Research methodology		19th Feb 2018	47	
2017-18	Roof Survey Work shop		10th Feb 2018	5	
Department of MCA					
2018	Research Day		02-02-18	10	02
2017	IPR/Cyber security		13-14 Oct 2017	04	
2017	Computer network		15-16	3	

	simulation		Oct 2017		
Department of Mathematics					
June 2018	"Applications of Probability and Statistics"	NIL	4–8 Jun 2018	62	03

Annexure 6.3.3

Title of the professional development programme	Number of teachers who attended	Date and Duration (from – to)
Department of CSE		
One day workshop on "Outcome Based Education:National and International Accreditation" organized by Thiagarajar College of Engineering(TCE),Madurai on 7th Jan 2018	Dr.Thippeswamy G	7thJan 2018
FDP on Computational Machine Learning and AI , 18th to 23rd Jan M S Ramaiah Institute of Technology, Bangalore	Dr.Bharathi M A	18-23, Jan 2018
Data Analytics and Machine Learning using R Software, BMSIT&M, 22-24, January 2018	HemaMalini B H	22-24, January 2018
FDP on IOT System design using RPI and Data Analytics, 16th to 21st January, M S Ramaiah Institute of Technology, Bangalore	Bharathi R	16-21, January 2018
FDP on Computational Machine Learning and AI , Ramaiah college	Radhika R	18-23, Jan 2018
Workshop on Data Analytics and Machine Learning using R Software, BMSIT&M,	Vidya R	22-24, January 2018
FDP on IOT System design using RPI and Data Analytics, 16th to 21st January, M S Ramaiah Institute of Technology, Bangalore	Shruthi J	16-21, January 2018
Data Analytics and Machine Learning using R Software, BMSIT&M, 22-24, January 2018	Mari Kirthima	22-24, January 2018
FDP on System Software and Operating system Laboratory, 29th to 31st January	Guruprasad S	29-31, January 2018
Data Analytics and Machine Learning using R Software, BMSIT&M, 22-24, January 2018	Shankar R	22-24, January 2018
FDP on "Java Fundamentals", K S School of Engineering, Bengaluru, 23 to 27 April 2018		23-27, April 2018
One day Workshop on "A-View Platform" has organised by VTU e-Learning centre for Bengaluru Region at BIT, KR Road, VV Puram, Bengaluru-560004	Muneshwar M.S	
System Software and Operating system Laboratory, 29th to 31st January	DurgaBhavani A	29-31 Jan 2018
TalentNext-PBL based Java Programing	Chethana C	7-18, May 2018
Faculty Development Programme on "Cyber Security" at Cognizant Technology Solutions,	Srivani P	14-15 May 2018

Bangalore on 14th and 15th May 2018		
Department of ECE		
Two weeks AICTE sponsored FDP on Advances and Developments with EDA tools in Embedded and Communication Design for researchers	01 Ravindra V. Asundi	11-23 Dec2017
6 Days FDP on signal processing and embedded system design using Xilinx and matlab tools	01 Sabina Rahaman	4–9 Jun 2018
ONE WEEK FDP ON APPLICATIONS OF PROBABILITY AND STATISTICS organised by Department of Mathematics,BMSIT&M	07 Hamsavahini R Mamatha K R LaxmiSagar Dr Seema Singh Jagannatha K B Thyagaraj T Asha G Hagargund	4-8 Jun 2018
Five days FDA on Programming ARM Processor with Hands on using ESA KEIL ARM Cortex - M3Evaluation Board.	03 Anilkumar D Shivarudraiah B Suryakanth B	11-15 Dec 2017
Short course on 4G/5G MIMO Wireless Communications---3 Days	01 Dr.A. Shobha Rani	28-30 Dec 2016
MHRD sponsored Six days FDP GIAN: “Towards safe cities: A mobile and social networking approach”	02 ShilpaHiremath Rashmi N	1-6 Jun2018
One week faculty development program on “Emerging Technologies in Short Range Wireless Communication”	01 Dr. R Ambika	2-6 Jul 2018
5 days faculty development program on “Renewable energy integration - challenges opportunities in research” , organized by the Department of Electrical & Electronics Engineering, BMSIT&M, Bengaluru	6 (Dr.Jayadeva G S , Thejaswini S, SiddiqIqbal, Saritha I G, Sowmyashree M S and Sumathi M S)	31st Jul-4th Aug 2017
“RESEARCH PROMOTION WORKSHOP” (How to write Effective Research Proposals), organized by Research Council, at BMSIT&M, Bengaluru.	5 (Dr. C S Mala, Dr.Jayadeva G S, MallikarjunaGowda C P , Surekha R Gondkar and RajuHajare)	24-28Jul 2017
3-days workshop on “Research Methodology and Latex “, conducted by VTU e-learning centre, Mysuru at Vivekananda college of Engineering and Technology, Puttur.	1 Raghunandan G H	21-23 Sep 2017
One day FDP (online) on Circuit Simulation / PCB Design using Target 3001! Software with DELLSOFT Technologies PVT Ltd.	2 (MallikarjunaGowda C P, Thejaswini S)	27th Sep 2017
One day FDP (Online) | Power System Design, Simulation & Analysis using Dig SILENT Power Factory Software at B M S Institute of Technology & Management, Bengaluru, with	5 (Thejaswini S, Saritha I G,Sowmyshree M S , Sumathi M S and Prathiba	22nd Sep 2017

DELLSOFT Technologies PVT Ltd	N)	
One day FDP(online)Networking Simulation (MANET, WSN & IOT) using NetSim Software at B M S Institute of Technology & Management, Bengaluru with DELLSOFT Technologies PVT Ltd .	9 (MallikarjunaGowda C P , Surekha R Gondkar, Thejaswini S, SiddiqIqbal, Banuprakash R, Saritha I G , Sowmyshree M S , Sumathi M S and Raghunandan)	14th Sep 2017
Six day faculty development program on "AICTE Sponsored one week Hands-on Workshop on Advances in Communication Networks using NS3". The workshop was conducted by RRCE Bangalore.	3 (Mrs Sowmyashree M S Mrs Saritha IG and Mr SiddiqIqbal)	11-16 Dec 2017
5 day faculty development program on "Programming ARM Processor with Hands on using ESA KEIL ARM Cortex-M3 Evaluation Board" organized by the Department of Telecommunication Engineering, BMSIT&M Bengaluru in association with ELECTRO SYSTEMS ASSOCIATES, Bengaluru.	3 Dr.Jayadeva G S, Mrs.Sumathi M S and Mrs.Prathiba N	11-15 Dec 2017
Online course on "Leading People and Teams" , Coursera	1 Dr. C S Mala	
Online course "Microcontrollers and the C Programming Language". Instructor Mark M. Budnik.	1 Dr.Jayadeva G S	
Six days FDP on " Building Scalable CISCO Internetworks" conducted by the Department of TCE, BMSCE, Bangalore	1 Mr.MallikarjunaGowda C P	4-9 Jan 2018.
Three days workshop on "Data Analytics and Machine learning using R software, organized by Department of ECE, BMSIT&M. The FDP had hands on sessions on analysis of data, different machine learning algorithms using R- language.	1 Mrs.Thejaswini S	22-24 Jan 2018
6 days Faculty Development Programme on "IOT system design using RPI and Data analytics" at MSRIT, Bengaluru. The FDP had hands on sessions on raspberry pi , node MCU. In the FDP few topics like IOT system design, MQQT protocol, Python basics, Network layer protocols and data analytics were covered.	2 Mr.Banuprakash R and Mrs.Sumathi M S	16- 20 Jan 2018
One day Faculty Development programme on "Embedded Development Systems using ARM CORTEX M3" conducted at Silicon Microsystems Gandhi bazaar, Basavanagudi, Bangalore.	2 Mr.SrinivasMurthy.B&Mrs .Geetha.N	23rd Jan 2018

Two Days Workshop on "Microwave and Antenna Laboratory "at Bangalore Institute of Technology organized by Department Telecommunication	2 Mr.Balaji Singh B.T and Mr.Chalapathy M.N	29-30 Jan-2018
Completed two hours of "Learn Neural Networks Using MATLAB programming "online course offered by Udemy. The algorithms on Neural networks were explained using MATLAB inbuilt functions.	1 Prof. Thejaswini S	26th Feb 2018
Completed "Influencing people "an online non – credit course authorized by University of Michigan and offered through Coursera.	1 Dr. C S Mala	-
Completed the course on "Management for a Competitive Edge" by ICMS offered through open2study- online	1 Dr. C S Mala	17thMar 2018
TEQIP 1.3 Sponsored One day Workshop on "AICTE Model Curriculum for Circuit Branches (ECE,TCE,EEE, CSE&ISE) First Year BE-CBCS Detailed Syllabus (2018-19) as per Outcomes-Based Education (OBE) format including Course Outcomes (CO) and Bloom's Taxonomy" at MSRIT, Bangalore.	1 Prof. MallikarjunaGowda C P	14th May 2018
Department of Mechanical Engineering		
FDP on "Advances in Composite & Smart Materials"	17	31stJul-4th Aug-17
FDP on " Cloud based CAD/CAM tools for Product Design	2	15-29 Dec-17
FDP on "Smart Materials & Fuel efficient technologies for automobiles"	2	11-24 Dec-17
FDP "Advances in materials & Manufacturing Process "	2	4 -13 Dec 17
FDP "Recent developments & challenges in materials & manufacturing process"(RDCMMP-2018)	2	1st -13th Jan18
FDP on "An overview on Teaching Techniques in Applied Thermodynamics""	1	22 – 26 Jan2018
Research Methodologies & Latex	1	21st -23rd Sep-17

Sl. No.	Name of the Teacher	Name of the Conference etc.	Place	Date
1	Dr.H.KGovindaraju	FDP on advances in composite & smart materials	BMSIT & M	31 Jul-4 Aug-17
2	Dr.A.V Suresh	FDP on advances in composite & smart materials	BMSIT & M	31 Jul-4 Aug-17

3	Dr.N Suresh	FDP on advances in composite & smart materials	BMSIT & M	31 Jul-4 Aug-17
4	Dr.K.MSathishKumar	FDP on " Cloud based CAD/CAM tools for Product Design	RIT,Bengaluru	15 -29 Dec-17
		FDP on advances in composite & smart materials	BMSIT & M	31 Jul-4Aug-17
5	Mr.G.L.Anantha Krishna	FDP on advances in composite & smart materials	BMSIT & M	31 Jul-4Aug-17
		FDP on " Cloud based CAD/CAM tools for Product Design	RIT,Bengaluru	15-29 Dec-17
6	Mr.T.N Praveen Kumar	FDP on advances in composite & smart materials	BMSIT & M	31 Jul-4Aug-17
7	Mr.Yashvantha Kumar G A	Smart Materials & Fuel efficient technologies for automobiles	Chidambaram	11 -24 Dec-17
		FDP on advances in composite & smart materials	BMSIT & M	31 Jul-4Aug-17
		Workshop on ACSM	BMSIT&M	2nd Aug-17
8	Mr.Keerthi Kumar N	Smart Materials & Fuel efficient technologies for automobiles	Chidambaram	11-24 Dec-17
		Research Methodologies & Latex	Vivekananda college of Engg.,Puttur	21 -23 Sep-17
		FDP on advances in composite & smart materials	BMSIT & M	31 Jul-4Aug-17
9	Mr.Sundaresh S	FDP on advances in composite & smart materials	BMSIT & M	31 Jul-4Aug-17
		Advances in materials & Manufacturing Process	RIT, Bengaluru	4 -13 Dec 17
10	Mr.K.C S Reddy	FDP on advances in composite & smart materials	BMSIT & M	31 Jul-4Aug-17
		Advances in materials & Manufacturing Process	RIT, Bengaluru	4-13 Dec 17
11	Mr.Sriganesh T G	FDP on advances in composite & smart materials	BMSIT & M	31 Jul-4Aug-17
		Recent developments & challenges in materials & manufacturing process (RDCMMP-2018)	BIT,Bengaluru	1-13 Jan18
12	Mr.Gurumurthy.O	FDP on advances in composite & smart materials	BMSIT & M	31 Jul-4Aug-17
		Recent developments & challenges in materials & manufacturing process	BIT, Bengaluru	1-13 Jan18

		(RDCMMP-2018)		
13	Mr.ShripadDiwakar	FDP on advances in composite & smart materials	BMSIT & M	31 Jul-4Aug-17
		FDP on "An overview on Teaching Techniques in Applied Thermodynamics""	VTU Regional Centre, Mudeenhalli	22– 26 Jan2018
		Hands on training on Biofuels	Karnataka State Bio Energy Development Board	28- 29th Dec 2017
14	Mr.Jagadeesh Y J	FDP on advances in composite & smart materials	BMSIT & M	31 Jul-4Aug-17
15	Mr.Madhu M C	FDP on advances in composite & smart materials	BMSIT & M	31 Jul-4Aug-17
16	Mr.Kiran M D	FDP on advances in composite & smart materials	BMSIT & M	31 Jul-4Aug-17
17	Mrs.S.NithyaPoornima	FDP on advances in composite & smart materials	BMSIT & M	31 Jul-4Aug-17
Department of EEE				

Title of the professional development programme	Number of teachers who attended	Date and Duration (from – to)
"Renewable Energy – Challenges and Opportunities for Research"	15	31 Jul-4Aug-17
"Recent Advances in Renewable Energy Technologies"	15	22-27Jan 2018
"Automotive Electronics and Industrial Automation"	15	25- 29 Jun 2018
"Digital Signal Processing Laboratory"	02	29 - 31 Jan 2018.
"Signal Processing and Embedded System Design using XILINX MATLAB and tools	01	4-9 Jun 2018
"Multi Domain System Modelling and Simulation using MODELICA"	02	4-8 Jun 2018
"Latest Trends in Renewable Energy Technologies"	01	4-8 Jun 2018
Department of Civil Engineering		
Roof Survey	5	10Feb2018
Topical Transcends in Civil Engineering (TTCE-	1	31st Jul-5th Aug 2017

2017)		
Recent Advances in Renewable Energy Technologies	4	22- 27 Jan2018
Department of MCA		
Title of the professional development programme	**Number of teachers who attended**	**Date and Duration (from – to)**
Cyber security	Mrs.Reshma	15- 16 May 2018
Application of probability and statistics	Mrs.Reshma Prof M sridevi M	4-8 Jun 2018
Advances in Networks using Network Simulator-NS3	P.Sudarsanam	11- 16 Dec 2017

Annexure 6.3.5

Welfare measure by Management		**No of staff**	**Amount**
1	Interest free loan for purchase of Laptops	5	247990
2	Festival advance for Teaching and Non Teaching staff	43	215000
3	Medical Advance for Teaching and Non Teaching staff	36	946000
4	Loan facility from BMS Employees credit co operative society		
5	Medical Insurance of Rs.2 lakhs for self and family (premium paid by Management)	221	
6	Concessional college fee for childeren of BMSIT Employees tostudy in any institution of BMSET		
7	180 days Maternity Leave for lady staff	11	
8	Concessional College Transportation fee for Teaching and Non Teaching staff	76	
9	Flat for Rent to Teaching and Non Teaching staff	3	
10	Gratuity	6	3048690
11	EL ENCASHMENT	79	4857759
12	Educational Aid to Non Teaching staff	48	472930

Annexure 6.5.6

Year	Name of quality initiative by IQAC	Date of conducting activity	Duration (from---to---)	Number of participants
2017-18	Project based Learning	May 18, 2018	Feb. 2018 to May 2018	200
	A total of 16 students of Telecommunication department have completed their internship training at various industries in and around Bengaluru.	Internship training	01/08/2017 to 31/01/2018	16
	Department of TCE conducted an open course on "Mobile Communication" from 5th to 8th February 2018	Open course on "Mobile Communication "	5-8 Feb 2018	85
	Department conducted workshop in association with EDC cell IIT Roorkee	3 Days workshop on "Robotics "	1-3 Aug 2017.	36
	The Department of ECE and TCE in association with APSIS Solutions.	3 day workshop on "Robotics-Hexapod with PIC 18	16-18 Feb 2018	61
	One day workshop on "Design of Microstrip antennas using HFSS tool" was organized by department of Telecommunication on 16th April 2018	One day workshop on "Design of Microstrip antennas using HFSS tool"	16th Apr 2018	49
	One day workshop on "Network Simulator -2 tool" for subject Computer communication Networks [15EC64] was organized for sixth semester students.	One day workshop on "Network Simulator -2 tool"	18th May 2018.	48
	One day workshop on "Basic Signal Processing concepts Using MATLAB" for the subject Signals and System [15EC44]was conducted for 4th semester students.	One day workshop on "Basic Signal Processing concepts Using MATLAB"	25th May 2018.	52
Department of Civil Engineering				
2017-18	National Conference	Sept 1st 2017	Sept 1st 2017	48
2017-18	Roof Survey Workshop	10thFeb2018	10thFeb2018	46
2017-18	One Day Workshop on Research	19th Feb 2018	19th Feb 2018	47

	methodology			
Department of MCA				
2018	Short term course Data Analytics and visualization with case studies using modern tools	5th Feb 2018	5-10 Feb 2018	36
2017	Computer Networks Simulation	Oct 2017	15-16 Oct 2017	35
2017	IPR/Cyber security	Oct 2017	13-14 Oct 2017	35

Annexure -7.1.1

Best Practice 1

1. Title of the Practice	Proctoring System
2. Goal	• The goal of the proctor system is to counsel students with respect to academic and non-academic 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. • Analyse 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 counsellor 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 counsellor 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 counselled. 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.

Best Practice 7.1.2

1. Title of the Practice	**Techno-cultural Events:** TechTransform, College Annual fest-UTSAHA,MSME meet, Alumni Meet etc.
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 centres. • 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 BMSIT&M. • TechTransform, Alumni meet, 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.
8. Evidence of success	• TechTransform, Start-up 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.
9. Problems encountered and resources required	• The resource mobilization for events such as techno cultural events 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.
10. Notes (Optional)	• These trend-setting technical events in the institution attract CEOs, top notch scientists, management gurus .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.

Annexure -7.2

ANIMAL RESCUE &
REHABILITATION TRUST
[MINI ZOO]
WOW
Wellbeing Out of Waste(WOW)
To Make Clean and Green Bangalore
A CSR Initiative of ITC