



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution		BNM INSTITUTE OF TECHNOLOGY
Name of the head of the Institution		Dr. Krishnamurthy G N
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		08026711780
Mobile no.		8105869067
Registered Email		bnmitprincipal@gmail.com
Alternate Email		principal@bnmit.in
Address		Post box No. 7087, 27th Cross, 12th Main, Banashankari 2nd Stage, Bengaluru- 560070
City/Town		Bengaluru
State/UT		Karnataka
Pincode		560070

2. Institutional Status	
Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Urban
Financial Status	private
Name of the IQAC co-ordinator/Director	Dr. Mukesh Patil
Phone no/Alternate Phone no.	+918026711782
Mobile no.	9900382042
Registered Email	bnmitprincipal@gmail.com
Alternate Email	principal@bnmit.in

3. Website Address	
Web-link of the AQAR: (Previous Academic Year)	https://www.bnmit.org/wp-content/uploads/2019/11/AOAR-2017-18.pdf
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.bnmit.org/wp-content/uploads/2019/07/BNMIT-Calendar-of-events-July-Dec-2019-1.jpg

5. Accrediation Details					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	A	3.10	2017	30-Oct-2017	29-Oct-2022

6. Date of Establishment of IQAC	28-Feb-2017
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7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
CSE, ISE, ECE, EEE & ME,	17-Oct-2017	1900

B.E. Programs have been accredited by NBA for three years	3	
Participated in NIRF and ranked in the 156 position	10-Apr-2019 1	2200
Internal IQAC Audit -1	10-Aug-2018 1	2200
Internal IQAC Audit 2	06-Mar-2018 1	2200
Internal Quality Assurance Cell (IQAC) Meeting -1	20-Jul-2018 1	21
Internal Quality Assurance Cell (IQAC) Meeting -2	05-Mar-2019 1	21
Curricular Gaps, Assessment in OBE Framework and Industry-Institute Interaction	23-Mar-2019 1	126

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

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Department of Mechanical Engineering	Student Project Programme (SPP) 42nd Series	Karnataka State Council for Science & Technology	2019 1	7000
Institution	New Gen IEDC	DST	2017 5	28700000
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9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	2
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of	No

the funding agency to support its activities during the year?

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

- NBA accreditation for 5 UG programs of Engineering with effect from July 2018 to June 2021
- Effective implementation of Skill Development Programs (SDPs) from industry experts to develop technical skillsets and to imbibe core competency among students.
- Effective organization of Alumni lectures series for pre final year B.E. students on specific topics like higher studies, research, latest trends technologies.
- Effective implementation of performance enhancement classes
- Enhancement of Industry Institute interactions through Industry Visits/MOUs/Consultancy

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

Plan of Action	Achievements/Outcomes
Initiation of NBA process for accreditation of 5 UG programs of Engineering	5 B.E. Programs CSE, ISE, ECE, EEE ME are accredited by NBA for three years with effect from July 2018 to June 2021.
Enhancement of Industry-Institute Interaction	1.At least two industry visits are being arranged per semester by all departments. 2.Skill Development Programmes by Industry Experts have been initiated by all departments. 3. BNMIT - Toyota Center of Excellence has been upgraded with addition of Fortuner4WD Automatic Engine and Transmission with fully loaded Chassis under CSR to provide hands on training to students. 4.Institute has signed a MoU with Fenfe Metallurgicals on 23rd May 2019 to facilitate advanced training, research development in the field of Metallurgy and Materials to the students, exchange of resources and knowledge sharing between the institutions. 5.Dr. Saravanan V, Associate Professor, Dept. of ME was associated with National Design and Research Forum (Indian Defence Projects) as a part of consultancy work.
Strategy for Result Improvement	Performance Enhancement Classes are being conducted as per timetable. 2. Study materials consisting of question & answers are provided for ready reference to students. 3. Activity based teaching-learning process has

been adopted for tough courses of III & IV semesters to create interest among students leading to improvement in results.

Organisation of Workshop for teaching staff

Workshop on "Curricular Gaps, Assessment in OBE Framework and Industry-Institute Interaction" was organised on 23rd February 2019. No. of staff benefitted: 126

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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Management	22-Nov-2019

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?

Yes

Date of Visit

24-Aug-2018

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2019

Date of Submission

02-Feb-2019

17. Does the Institution have Management Information System ?

Yes

If yes, give a brief description and a list of modules currently operational (maximum 500 words)

Maintenance of student records, admission, attendance, performance and progress, fee collection, fee due calculation and other activities are main functions of college that consume lot of resources and time. To make all these processes simple and structured, the Campus Management System was introduced in the campus from academic year 2014. The college, student and parent/guardian can interact through this single platform. College Management Software assists the faculty members to share course materials, assignments and intimations with students. Students and parents have access to progress reports and attendance status through this facility. Instant messages are sent to

parents if their ward is absent even for one class on daily basis. Parents and students can be reached instantly in case of emergencies. CMS provides a platform to conduct various surveys online. OBE attainment calculation and analysis is automated through CMS. CMS also helps in taking feedback and presenting results from all the stakeholders. • (bnmit.pupilpod.in) - 201819 (Odd Semester) • (bnmit.dhiedu.com) - 201819 (Even Semester)

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

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

The syllabus for each course of the program, teaching hours and the evaluation methods are defined by Visvesvaraya Technological University (VTU). The college has a well developed system for implementing the curriculum for each programme, to achieve the stated mission as detailed below: 1. The syllabus and method of evaluation is printed by the University, which is distributed to students and staff. 2. Each HoD circulates the list of courses to be delivered for the upcoming semester before the end of ongoing semester and gets the preferences of courses each faculty would like to teach. Based on the preferences and expertise, HoD assign courses to the faculty for the next semester. 3. A college level time-table coordinator appointed by the Principal interacts with the department coordinators. The coordinators comes up with a time table that ensures adequate number of hours of teaching as specified by VTU, Uniform distribution of load throughout the week, availability of faculty, laboratories, classrooms and seminar halls, time for student club activities and other constraint of resources. 4. Faculty prepares course outcomes, lesson plan, course materials and special methods to be incorporated into the lesson plan considering the comments/feedback received by the faculty who taught this course in the previous year. Faculty members are given flexibility to decide and to make modifications in the delivery process, if necessary. Faculty members are encouraged to use innovative teaching methods and ICT. 5. Three internal tests are conducted during 6th, 12th and 15th weeks and marks scored by the students are sent to the university. These tests are conducted at the college level and are monitored by HoD's, Principal, Dean and Director. 6. A feedback by students on the performance of the faculty is taken soon after the completion of first test evaluation. This allows students to air their opinion about the faculty on teaching and fairness of evaluation. Also, faculty can understand the problems of the students for the specific course and make mid-course corrections in delivery process. Feedback are analyzed and faculty with poor feedback are sought an explanation and suitably advised to improve the performance through well defined action plans. Student feedback also forms a part of the staff appraisal process. 7. Student's performance in tests is evaluated based on scheme of valuation, which will be made available to students later. The blue books are given to students to check for fairness of evaluation. 8. At the end of 16 week course, the faculty writes his/her comments and methods for further improvement for the next year. 9. After the announcement of results by the University, the departments prepare details of

performance of the class, which includes percentage of pass, number of FCDs (First Class with Distinctions), maximum marks scored and position of BNMIT among other reputed colleges. These are discussed in HoD's meeting and in the Governing Council for appropriate actions if the results are not good. 10. A process document guides the department in evaluating the performance of a class against set targets.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Nil	Nil	01/07/2018	0	Nil	Nil

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	Nil	01/07/2018
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	B.E. Computer Science Engineering	01/08/2018
BE	B.E. Electronics & Communication Engineering	01/08/2018
BE	B.E. Electrical & Electronics Engineering	01/08/2018
BE	B.E. Information Science Engineering	01/08/2018
BE	B.E. Mechanical Engineering	01/08/2018
Mtech	M. Tech Computer Science Engineering	01/08/2018
Mtech	M. Tech VLSI & Embedded Systems	01/08/2018
MBA	Master of Business Administration	01/08/2018

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

	Certificate	Diploma Course
Number of Students	0	0

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
"TW5" A programme to improve written skills	06/08/2018	448
"T5 (Talk for 5 minutes)"	25/02/2019	1027

A personality development programme		
MEAN Stack	14/02/2019	114
Embedded Systems in Robotics (ROS)	21/03/2019	63
Programming principles in Scala	01/08/2018	50
VLSI FPGA and ASIC Synthesis	01/02/2019	29
IoT and its Applications	01/02/2019	27
Machine Learning Techniques for Signal and Image Processing	01/02/2019	39
Skill Development Programme PLC SCADA	07/02/2019	23
Skill Development Programme Transformer Design	07/02/2019	36
Scala	01/08/2019	59
Cryptography, Network Security and Cyber Law	01/08/2019	57
Skill Development Programme on Android Application Development	01/08/2019	56
Soft skill training by M/s Seventh Sense	10/10/2018	111
Business Analytics training by Business Toys Pvt. Ltd.	29/10/2018	111
Bootcamp on "Virtualization and Cloud"	23/02/2019	64
Workshop on "Circuit Prototyping"	02/11/2018	59
Workshop on "Mobile Control Robotics"	15/02/2019	67
Workshop on "I/O Interfacing with Embedded Systems"	03/05/2019	51
Skill Development on Solid Works and GD and T	14/02/2019	66
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Summer Research Workshop, ODU, USA	9

BE	Internship Minsk Belarus	2
BE	Industrial Visit ISRO	75
BE	IOT Exhibition	74
BE	Industrial Visit to TCS	76
BE	Internships	558
MBA	Field Projects	119
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution?
(maximum 500 words)

Feedback Obtained
<p>The institution has been following a systematic approach to collect and analyse the feedback from all the stake holders on the aspects related to the overall development of the institution such as, teaching learning process, infrastructure, facilities, faculty etc., at regular intervals. • Representatives from the Industry, Alumni, Students and Senior Faculty are included in Internal Quality Assurance Cell (IQAC) of the college. The inputs from all the stakeholders' are considered for making necessary revisions and framing policies of the institute at the institution level. • Department Advisory Board (DAB) is constituted at program level comprising of all stakeholders for effective functioning of the departments. DAB regularly monitors the progress of the department and suggests necessary actions to bridge the gap between Industry requirements and Academics. • Program Assessment and Audit Committee (PAAC) consisting of HOD and senior faculty is constituted at program level to evaluate the goals and objectives of the program curriculum. It assists in the professional development of the faculty. • Faculty are evaluated through online student feedback to understand about the teachinglearning process so as to achieve the excellence in TeachingLearning process. After the first internal assessment, all the students are required to fill an online feedbackform apprising the faculty using a scale of 1 (high) through 10 (low). The comments are analysed by the HoD and are discussed with the concerned faculty individually. Suggestions for improvement in teaching performance are given if required. • Apart from this, facility survey, graduate exit survey, alumni survey and employer's surveys are taken every year for achieving overall development of the college. All these surveys are consolidated and analysed to check whether there are any deficiencies and if found they will be suitably addressed through proper channel.</p>

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
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BE	CSE	30	658	30
BE	ECE	30	484	30
BE	ISE	15	455	15
BE	EEE	15	316	15
BE	ME	15	319	18
MBA	MBA	60	65	60
Mtech	CSE	2	0	0
Mtech	VLSI	3	1	1
Mtech	CAID	2	0	0
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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	1842	261	118	24	142

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
147	109	5	33	5	50

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

The details of the counselling system that has been developed in the institution for the students for various purposes are given below. A. Counselling for continuous improvement in academics and other areas by faculty members • Each faculty member is assigned a group of around 20 students to be a counsellor/mentor. Counsellor is the first point of contact for students and their parents/guardians in case of any assistance in academic matters or otherwise. • Counsellors interact with students twice in a month to understand their problems, aspirations and interests advise them suitably for their academic improvement and to make an effort to resolve their problems. • During interaction with students, counsellors collect student information such as personal details, academic performance, training records and achievements in curricular and cocurricular activities. Bright students are encouraged to participate in technical paper presentations, competitions, take up innovative projects etc. Slow learners are assisted to perform better in academics. • Counsellors interact with parents / guardians to appraise their ward's performance and call for parent teacher meetings of slow learners. • Programmes like Talk5 (T5) and Talk and Write Five (TW5) is initiated at the college level to improve the mentor and mentee relationship. This helps students to communicate freely with their mentors without any hassles. B. Professional Guidance and Career advancement • In the welfare of students and total wellbeing, be it social, emotional, mental, physical, health, academics or financial, a facility known as Friends' Corner is provided within the campus for personal counselling through a well experienced full time consultant therapist. • Professional guidance and Career advancement counselling is provided to students through lectures/talks by eminent speakers. These lectures/talks are conducted through department associations and professional chapters.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
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2103	142	14.80
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2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
106	142	0	10	51

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Mr. A Kumar	Associate Professor	Best faculty award 201819 from Cognizant
2019	Ms. Shubha Rao K	Associate Professor	Best paper presentation award at International Conference ICASET2019 during May 2019
2019	Dr. Kavyashree K M	Assistant Professor	Abhinandana Rising Star Award2019
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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
Mtech	CSE, LVS, CAID	III	25/12/2018	13/04/2019
Mtech	CSE, LVS, CAID	IV	15/07/2019	14/09/2019
MBA	MBA	I	16/02/2019	09/05/2019
MBA	MBA	II	04/07/2019	03/09/2019
MBA	MBA	III	29/12/2018	28/03/2019
MBA	MBA	IV	28/06/2019	03/09/2019
BE	CSE, ECE, EEE, ISE, ME	I	15/02/2019	20/04/2019
BE	CSE, ECE, EEE, ISE, ME	II	16/07/2019	07/08/2019
BE	CSE, ECE, EEE, ISE, ME	III	11/01/2019	03/04/2019
BE	CSE, ECE, EEE, ISE, ME	IV	12/07/2019	09/09/2019
BE	CSE, ECE, EEE, ISE	V	14/01/2019	29/03/2019

	, ME			
BE	CSE, ECE, EEE, ISE , ME	VI	03/07/2019	09/09/2019
BE	CSE, ECE, EEE, ISE , ME	VII	05/01/2019	25/03/2019
BE	CSE, ECE, EEE, ISE , ME	VIII	04/06/2019	23/08/2019
Mtech	CSE, LVS, CAID	I	22/02/2019	13/04/2019
Mtech	CSE, LVS, CAID	II	11/07/2019	17/09/2019
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

As an affiliated institution of VTU, evaluation norms of the university are followed. The university has adopted major reform in evaluation by introducing credit based grading system from the academic year 201516 and the institute has adopted the same. The three internal tests performance is evaluated in a formative way. The college has evolved a few formative assessment methods to improve student performance viz:

- Internal question papers and assignment questions are prepared such that all the questions are mapped to respective course outcomes with corresponding POs/PSOs.
- Every question is accorded appropriate Bloom's cognitive levels to ensure quality. Question papers/ Assignment questions are scrutinized by the scrutinizer to check for compliance and is later reviewed and approved by the HoD.
- For theory courses, open ended questions are asked for students to answer in internal assessments on topics of higher program outcomes (POs) such as professionalism, environment and social responsibility of engineering decisions. This is intended to inculcate independent learning in students and to develop their capability in researching a topic individually using modern aids.
- Additional experiments are introduced in laboratory courses to address higher program outcomes (POs). This helps students to explore many practical approaches in solving real time application problems.
- As part of the internal assessment of Internships, committee is formed at department level consisting of HoD and senior faculty members for the assessment of the Internship of the students.
- As part of the internal assessment of projects and seminars, Project Review Committee is formed for each department consisting of Head of the Department, Project In charge and senior faculty members for the continuous assessment of the project work of the students.

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

As an affiliated institution of VTU, academic calendar of the university is followed for the conduction if internal and external assessments for both theory and laboratory courses.

- The academic calendar of the institute is planned well in advance in accordance with the university academic calendar and communicated to all the stake holders through CMS and the same is published in the college website.
- The Institutes academic calendar depicts the dates of various programs planned to be conducted during the semester along with schedules for internal assessment.
- Based on the calendar of the institute, a detailed day wise academic calendar is prepared which contains dates of curricular, cocurricular and cultural activities.
- The department activities are conducted as per the academic calendar and a compliance report is prepared at the end of the semester.
- If there is noncompliance, reasons will be recorded with suitable plan of actions.

2.6 – Student Performance and Learning Outcomes

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

<https://www.bnmit.org/students-performance-learning-outcomes/>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
CSE	BE	Computer Science & Engineering	137	137	100
ECE	BE	B.E. Electronics & Communication Engineering	125	125	100
EEE	BE	B.E. Electrical & Electronics Engineering	48	48	100
ISE	BE	B.E. Information Science Engineering	60	60	100
ME	BE	B.E. Mechanical Engineering	64	64	100
CSE	Mtech	M. Tech Computer Science Engineering	12	12	100
LVS	Mtech	M. Tech VLSI & Embedded Systems	7	7	100
MBA	MBA	Master of Business Administration	111	108	96.39
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2.7 – Student Satisfaction Survey

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

<https://www.bnmit.org/students-satisfaction-survey/>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year

Any Other (Specify)	1	NewGen IEDC Department of Science and Technology, Govt. of India	47.5	47.5
Any Other (Specify)	1	DSTNIMAT EAC Programme	2	2
Any Other (Specify)	1	Karnataka State Council for Science Technology (KSCST)	0.07	0.07
Total	1	All	49.57	49.57
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3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Intellectual Property Rights Significance of Patents and Prior Art Search for budding entrepreneurs	ED CELL	09/05/2019
IoT based project design and development, Department of ECE, BNMIT	B.E. Electronics Communication Engineering	24/06/2019
Workshop on Internet of Things	ED Cell	09/07/2018
Workshop on IoT in Real Life Applications from Product Development Perspective	ED Cell	09/07/2018
Workshop on Design and Development of Embedded Systems for real life application	ED Cell	09/07/2018
Entrepreneurship Awareness Camp	ED Cell	13/11/2018
Innovative Project Lab (IPL) winter 2018	ED Cell	05/03/2019
BUSINESS PLAN COMPETITION	ED Cell	27/04/2019
Workshop on Significance of Patents and Prior Art Search for budding Entrepreneurs	ED Cell	09/05/2019

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Agrotona	Akashar K R/ Samarth R Hegde	Recent Innovations in	24/01/2019	Technical

		Engineering Science, Technology and Management - NCRIESTM2019? in association with Department of Science and Technology and NSERB, Government of India, at AITD, Goa		
Abhinandana Rising Star Award	Dr Kavyashree KM	BET in association with ELCIA, PR Forum and Book Paradise and Chambers Academy	01/05/2019	Shrama Awards
Cyclopack	AdityaMijarShenoy, Someshwar S, Nagpoojith BR, Piyush R Golecha	New Gen IEDC Department of Science and Technology, GoI.	14/11/2018	Funded Projects by DST,GoI
BALANCE MATE	Bramha. S. P., Chinmai. L, Abilesh. M, Akilesh. M	New Gen IEDC Department of Science and Technology, GoI. New Gen IEDC Department of Science and Technology, GoI.	14/11/2018	Funded Projects by DST,GoI
MONEY BIN	Manu K J, MurudeshwarBarole, NamaVenkataNagasukesh, Nihaarika A Jagadish	New Gen IEDC Department of Science and Technology, GoI.	14/11/2018	Funded Projects by DST,GoI
PLECO	Syed Abrar, Swathi M, Kushal S	New Gen IEDC Department of Science and Technology, GoI.	14/11/2018	Funded Projects by DST,GoI
DETACHABLE	Raghavendra DS, RishabhBhansali, Vishnu Prasad Bhat	New Gen IEDC Department of Science and Technology, GoI.	14/11/2018	Funded Projects by DST,GoI
SMART FAUCET	Ashith R C, Apoorva P.S	New Gen IEDC Department of Science and Technology, GoI.	14/11/2018	Funded Projects by DST,GoI

FOOT PRESSURE SENSOR FOR PHYSIOTHERAPY APPLICATIONS	Ashith R C, Apoorva P.S	New Gen IEDC Department of Science and Technology, GoI.	14/11/2018	Funded Projects by DST,GoI
INTELLICOPTER	Nishanth P.M, Tanish Islam	New Gen IEDC Department of Science and Technology, GoI.	14/11/2018	Funded Projects by DST,GoI
LIFELINE	Ankitha S, Raksha H, Namitha G, Daniel C Mathew	New Gen IEDC Department of Science and Technology, GoI.	14/11/2019	Funded Projects by DST,GoI
TRIKE	Aslesh Kumar A, Raghuvveer S Bhat. Shwetha S, Alagar Krishna B	New Gen IEDC Department of Science and Technology, GoI.	14/11/2018	Funded Projects by DST,GoI
AUTOMATIC WASTE SEGREGATOR	Deeksha More E K, Divya S, Kalyani G, Gouthami R	New Gen IEDC Department of Science and Technology, GoI.	14/11/2018	Funded Projects by DST,GoI
3 Way Actuated Medical Laboratory Centrifuge	Jayanth S R, Ramalingeshwara H, ZubairNabi War, Sudeep S Rao	New Gen IEDC Department of Science and Technology, GoI.	14/11/2018	Funded Projects by DST,GoI
Wind Injection Turbine	Monisha S, ShrinivasaMahabales hwarHegde, Yashas G R	New Gen IEDC Department of Science and Technology, GoI.	14/11/2018	Funded Projects by DST,GoI
ORGANIC WASTE CONVERTER	AnimeshAnand, ChithreddySaiRakshith, Akshay S Mane, Rakesh M V	New Gen IEDC Department of Science and Technology, GoI.	14/11/2018	Funded Projects by DST,GoI
Obstacle Detection for the Blind	Suraj D M, Varun A Prasad, Sudhanva G Hebbale, Shwetha L	New Gen IEDC Department of Science and Technology, GoI.	14/11/2018	Funded Projects by DST,GoI
DETECTION OF NEURO DEGENERATIVE DISEASES USING HANDWRITING ANALYSIS	AfeeraMehnaz, Raksha J Bhat, Sejal Jain, SumukhVenugopal	New Gen IEDC Department of Science and Technology, GoI.	14/11/2018	Funded Projects by DST,GoI
Biodegradable Super absorbent	Kishan R, Lohit kumarShetty M,	New Gen IEDC Department of	14/11/2019	Funded Projects by DST,GoI

	Hariharan R N, Karthik	Science and Technology, GoI.		
Stereoscopic Images	Shashanka G, Tejas R Simha, Varun DGurjar, Vishnuvardhan G	New Gen IEDC Department of Science and Technology, GoI.	14/11/2018	Funded Projects by DST,GoI
METHOD FOR IMAGE ANALYSIS	Raksha H Ankitha S Namitha G	New Gen IEDC Department of Science and Technology, GoI.	14/11/2018	Funded Projects by DST,GoI
Highresolution DPWM for DCDC buck converter using sigmadelta modulation techniques	Smt. Shubha Rao K	Sri Sai Ram College of Engineering, Bengaluru, Karnataka	03/05/2019	Best Paper Presentation Award in 7th International Conference on Applied Science Engineering and Technology (ICASET19)
Balance Mate	Brahma S P	IIT Kanpur	10/03/2019	National Level
Multi scale flute	Nagpoojith B. R.	FKCCI Manthan 11th edition	13/06/2019	Technical
Easy Foot	Ganesh D Nataraj B	KSTA during state level technical project exhibition was held at Sri Venkateshwara College of Engineering, Bengaluru	13/03/2019	Technical
No file uploaded.				

3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start- up	Date of Commencement
NIL	NIL	NIL	NIL	NIL	01/07/2018
No file uploaded.					

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

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

Name of the Department	Number of PhD's Awarded
CSE	3

ECE	3
EEE	4

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	CSE	17	0
International	ECE	12	6.41
International	EEE	5	5.47
International	ME	5	2.80
International	MBA	9	5.81
International	Physics	5	2.57
National	Mathematics	1	5.87
International	Mathematics	3	6.55
National	CSE	1	0

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

Department	Number of Publication
CSE	6
ECE	9
ISE	3
ME	2
MBA	2
EEE	8
No file uploaded.	

3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
An observation and categorization of breast cancer utilizing support vector and artificial neural network using discrete wavelet transform	Soumya Hundekar and Saritha Chakrasali	ICTACT Journal On Soft Computing	2019	1	BNM Institute of Technology, India	0

Development and Dry Sliding Wear Map for Al 7075/Al203 Particulate Composite	Dr. N. Raghavendra	Materials today proceedings	2018	3	BNM Institute of Technology, India	2
Effect of Stirring Parameters on Microstructure of Aluminum hybrid Metal Matrix Composite	H S Kumaraswamy	IOP Conference series: Material science engineering	2018	3	BNM Institute of Technology, India	3
Oxygen enriched network type carbon spheres for multipurpose water purification applications	S Olivera, K Venkatesh, N Reddy, BK Jayanna, AM Asiri, S Rtimi	Environmental technology innovation	2018	1	BNM Institute of Technology, India	1
Open ended tube like hollow biocarbon derived from banana fibre for removal of anionic and cationic dyes	S Olivera, K Venkatesh, MS Santosh, D Leybo, D Kuznetsov, BK Jayanna,	Desalination and Water Treatment	2018	1	BNM Institute of Technology, India	1
Fabrication of polyaniline-few layer MoS2 nanocomposite for high energy density supercapacitors	Prashanth M K	Polymer Bulletin	2018	9	BNM Institute of Technology, India	9
Versatile Graphene	Prashanth M K	Journal of Science:	2018	7	BNM Institute	7

oxide decorated by star shaped Zinc oxide nano composites with superior adsorption capacity and antimicrobial activity		Advanced Materials and Devices				of Technology, India
Exploring the spectral features and quantum chemical computations of a novel biologically active heterocyclic class of compound 2MEFPBA dye: Experimental and theoretical approach	J. Thipperudrappa	Chemical Data Collections	2019	1		BNM Institute of Technology, India 1
Efficient Synthesis of RuO ₂ Nanoparticle with excellent activity for Onepot Synthesis of 2,3disubstituted quinazolin 4(1H)ones	K.N.N. Prasad	Vietnam Journal of Chemistry	2019	3		BNM Institute of Technology, India 3
Sentiment Analysis for Text Extracted from Twitter	Jalaja G. Dr. Kavitha C.	Integrated Intelligent Computing, Communication and Security. Studies in Computatio	2018	1		BNM Institute of Technology, India 1

		nal Intelligence				
Sole mate: Safe path finding by obstacle detection and distance estimation for the blind	Abhigna, R., Shinde, A.K., Sundaresh, A., Dheeraj, P.R Dr. P. A. Vijaya	International Journal of Innovative Technology and Exploring Engineering	2019	0	BNM Institute of Technology, India	0
Experiment of multispectral images using spectral angle mapper algorithm for land cover classification	Kulkarni, K Dr. P. A. Vijaya	International Journal of Innovative Technology and Exploring Engineering	2019	0	BNM Institute of Technology, India	0
Automatic vehicle identification for multiple purposes at toll collection system	Vinaya Singh, P. Dr. P. A. Vijaya	International Journal of Engineering and Advanced Technology	2019	0	BNM Institute of Technology, India	0
Solvatochromic Studies and Estimation of Excited Dipole Moment of newly Synthesised Iodinated Coumarin Derivative	J. Thipperudrappa	International Journal of Research and Analytical Reviews (IJRAR)	2018	0	BNM Institute of Technology, India	0
Effect of solvents on photophysical properties of biologically active iodinated 4aryloxyme	J. Thipperudrappa	Journal of Emerging Technologies and Innovative Research (JETIR)	2018	0	BNM Institute of Technology, India	0

thyl coumarin 1IPBC						
Experimental studies of DC conductivity and thermoelectric power of Polypyrrole/Titanium Dioxide nano composites	J. Thippudrappa	Materials Today: Proceedings	2018	0	BNM Institute of Technology, India	0
MultiConstraints adaptive link quality index based mobile RPL routing protocol for low power lossy networks	K Sneha, Dr. B G Prasad	International Journal of Computer Networks and communications (IJCNC), Vol 10. No 5. ISSN : 09749322	2018	0	BNM Institute of Technology, India	0
Load balanced efficient routing technique for mobility based RPL	K Sneha, Dr. B G Prasad	Communications in computer and information science CCIS springer series, August 2018	2018	0	BNM Institute of Technology, India	0
Big Data Oriented Energy Aware Routing For Wireless Sensor Networks	J Reshma , T Satish Kumar, B.A Vani , S Sakthivel	Mobile Networks and Application, The Journal of SPECIAL ISSUES on Mobility of Systems, Users, Data and Computing, Springer, vol. 24, no. 2, pp.	2019	0	BNM Institute of Technology, India	0

		298306, ISSN: 15728153, April 2019				
Design and Performance Analysis of Digital Control Laws for Low Power High Frequency Switching Power Supply	Shubha Rao, Veena S Chakravarthi	IEEE 2nd International Conference on Power and Energy Applications (ICPEA)	2019	0	BNM Institute of Technology, India	0
Practical Realization of Three Phase Buck AC Converter Feeding Three Phase Star Connected RL Load using FPGA Real Time Controller	Venkatesh K, Vidya HA,	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	0	BNM Institute of Technology, India	0
Influence of Ground Impedance on Unbalanced Analysis of Grid	R Raghunatha, V Muralidhara, D Thukaram	20th National Power Systems Conference (NPSC)	2018	0	BNM Institute of Technology, India	0
Analysis of Total Harmonic Distortion in 5level Inverter fed Induction Motor	K Reddy Sudharshana, V Muralidhara, A Ramachandran, R Srinivasan	2018 International Conference on Computing, Power and Communication Technologies (GUCON)	2018	0	BNM Institute of Technology, India	0
Highresolution DPWM for DCDC buck converter using sigmadelta modulation techniques	Shubha Rao, Veena S Chakravarthi	International Journal of Recent Technology and Engineering	2019	0	BNM Institute of Technology, India	0

A Comparative Performance Evaluation of LIC Housing Finance Ltd and GIC Housing Finance Ltd using CAMELS Model	Mr. Sridhar K. and Dr. N. Mukund Sharma	Finance INDIA	2018	0	BNM Institute of Technology, India	0
A Comparative study of Indian Food Image Classification Using KNearestNeighbour and support Vector Machines	Pathanjali C, Vimuktha E salias, Jalaja G, Latha A	International Journal of Engineering and Technology	2018	0	BNM Institute of Technology, India	0
Prediction of Gold Stock Market Using Hybrid Approach	Vimuktha E Salis, Akanksha Kumari, Animesh Singh	Emerging Research in Electronics, Computer Science and Technology	2019	0	BNM Institute of Technology, India	0
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3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Effect of solvents on photophysical properties of biologically active iodinated 4aryloxymethyl coumarin 1IPBC	J. Thipperudrappa	Journal of Emerging Technologies and Innovative Research (JETIR)	2018	7	0	BNM Institute of Technology, India
Oxygen enriched n	BK Jayanna	Environmental	2018	0	0	BNM Institute

networktype carbon spheres for multiple purpose water purification applications		technology innovation				of Technology, India
Open ended tube like hollow biocarbon derived from banana fibre for removal of anionic and cationic dyes	BK Jayanna	Desalination and Water Treatment	2018	0	0	BNM Institute of Technology, India
Fabrication of polyaniline-few layer MoS2 nanocomposite for high energy density supercapacitors	Prashanth M K	Polymer Bulletin	2018	0	0	BNM Institute of Technology, India
Versatile Graphene oxide decorated by star shaped Zinc oxide nanocomposites with superior adsorption capacity and antimicrobial activity	Prashanth M K	Journal of Science: Advanced Materials and Devices	2018	0	0	BNM Institute of Technology, India
Big Data Oriented Energy Aware Routing For Wireless	J Reshma	Mobile Networks and Application, The Journal of SPECIAL ISSUES on	2019	0	0	BNM Institute of Technology, India

Sensor Networks		Mobility of Systems, Users, Data and Computing, Springer				
Influence of Ground Impedance on Unbalanced Analysis of Grid	V Muralidhar	20th National Power Systems Conference (NPSC)	2018	2	0	BNM Institute of Technology, India
Influence of Ground Impedance on Unbalanced Analysis of Grid	R Raghunatha	20th National Power Systems Conference (NPSC)	2018	2	0	BNM Institute of Technology, India
Analysis of Total Harmonic Distortion in 5level Inverter fed Induction Motor	V Muralidhara	2018 International Conference on Computing, Power and Communication Technologies (GUCON)	2018	2	0	BNM Institute of Technology, India
Practical Realization of Three Phase Buck AC Converter Feeding Three Phase Star Connected RL Load using FPGA Real Time Controller	Venkatesh K	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	1	0	BNM Institute of Technology, India
A Comparative Study of Mechanical Properties of As Cast Heat Treated Al6063 MWCNT Composite	H S Kumarswamy	IOP Conference series: Material science engineering	2019	1	1	BNM Institute of Technology, India

fabricated by stir casting process						
Effect of Stirring Parameters on Microstructure of Aluminum hybrid Metal Matrix Composite	H S Kumara swamy	OP Conference series: Material science engineering	2018	1	1	BNM Institute of Technology, India
Design of roller burnishing tool and its effect on surface integrity of Al6061	Harish A	Materials Today	2019	1	2	BNM Institute of Technology, India
Exploring the spectral features and quantum chemical computations of a novel biologically active heterocyclic class of compound 2MEFPBA dye: Experimental and theoretical approach	J. Thipperudrappa	Chemical Data Collections	2019	9	1	BNM Institute of Technology, India
Efficient Synthesis of RuO ₂ Nanoparticle with excellent activity for One-pot Synthesis of 2,3-disubstituted quinazolin-4(1H)-ones	K.N.N. Prasad	Vietnam Journal of Chemistry	2019	1	1	BNM Institute of Technology, India

Load balanced efficient routing technique for mobility based RPL	K Sneha	Communications in computer and information science CCIS springer series, August 2018	2018	1	0	BNM Institute of Technology, India
Sole mate: Safe path finding by obstacle detection and distance estimation for the blind	Dr. P. A. Vijaya	International Journal of Innovative Technology and Exploring Engineering	2019	7	0	BNM Institute of Technology, India
Experiment of multispectral images using spectral angle mapper algorithm for land cover classification	Dr. P. A. Vijaya	International Journal of Innovative Technology and Exploring Engineering	2019	7	0	BNM Institute of Technology, India
Automatic vehicle identification for multiple purposes at toll collection system	Dr. P. A. Vijaya	International Journal of Engineering and Advanced Technology	2019	7	0	BNM Institute of Technology, India
Design and Performance Analysis of Digital Control Laws for Low Power High Frequency Switching Power Supply	Shubha Rao, K.	2019 IEEE 2nd International Conference on Power and Energy Applications, ICPEA 2019	2019	0	0	BNM Institute of Technology, India
Design and Performance	Dr.Chakravarthi, V.S	2019 IEEE 2nd Intern	2019	2	0	BNM Institute

e Analysis of Digital Control Laws for Low Power High Frequency Switching Power Supply		ational Conference on Power and Energy Applications, ICPEA 2019				of Technology, India
Highresolution DPWM for DCDC buck converter using sigmadelta modulation techniques	Shubha Rao, K	International Journal of Recent Technology and Engineering	2019	0	0	BNM Institute of Technology, India
Highresolution DPWM for DCDC buck converter using sigmadelta modulation techniques	Dr.Chakravarthi, V.S	International Journal of Recent Technology and Engineering	2019	2	0	BNM Institute of Technology, India
A Comparative Performance Evaluation of LIC Housing Finance Ltd and GIC Housing Finance Ltd using CAMELs Model	Mr. Sridhar K. and Dr. N. Mukund Sharma	Finance INDIA	2018	0	0	BNM Institute of Technology, India
A Comparative study of Indian Food Image Classification Using KNearestNeighbour and support Vector Machines	Pathanjali C, Vimuktha E salias, Jalaja G, Latha A	International Journal of Engineering and Technology	2018	0	0	BNM Institute of Technology, India
Prediction of Gold	Vimuktha E salias	Emerging Research	2019	0	0	BNM Institute

Stock Market Using Hybrid Approach		in Electronics, Computer Science and Technology			of Technology, India
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	2	18	69	41
Presented papers	33	12	0	0
Resource persons	2	5	1	3
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3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Senior Citizen health check up camp	BNMIT NSS and Senior Citizens of Banashankari II stage	4	30
Sadhbhavana Diwas	BNMITNSS	5	600
Flood Relief Fund collection	BNMITNSS	3	25
Observance of Vigilance awareness week	Department of Posts	1	4
World Unity day	BNMITNSS	3	80
Idea conclave for Better Bengaluru.	BNMITNSS	1	3
Children's day celebrations	BNMITNSS	3	25
Blood donation camp	BNMITNSS	8	65
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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
0	0	0	0
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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government

Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Swachh Bharat Abhiyaana	BNMIT NSS	Swachha Bharath	3	26
Gender Equity	M/s. LinkedIn	Wintathon Contest in association with M/s. LinkedIn for girls students	5	50
Gender Equity	M/s Accenture	International Women's Day connect in association with M/s Accenture	5	311
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3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
To facilitate advanced training and research and development in the field of Metallurgy and Materials to the students, exchange of resources and knowledge sharing between institutions.	4	Fenfe Metallurgicals, Bengaluru	15
No file uploaded.			

3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
MOU	Internship	Republic Institute for vocational Education and Minsk State Automobile	11/07/2018	08/08/2018	4

		College Minsk, Belarus			
MOU	Internship	Ten days internship in Minsk state automotive college, Minsk, Belarus	30/07/2018	09/08/2018	3
MOU	Internship	Old Dominion University, Norfolk, Virginia	09/07/2018	07/08/2018	9
MOU	Internship	SenseSemi Te chnologies, BNMIT, Bengaluru	09/07/2018	07/08/2018	13
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
FenfeMettallurgical s, Bengaluru	23/05/2019	To facilitate advanced training and research and development in the field of Metallurgy and Materials to the students, exchange of resources and knowledge sharing between institutions.	0
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
206.18	200.11

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing

Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Video Centre	Existing

4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
Easylib Library Management Software	Fully	4.2.25	2006

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	36012	10878853	1835	761195	37847	11640048
Reference Books	7668	2508881	234	108194	7902	2617075
e-Books	13505	0	11113	0	24618	0
Journals	213	526046	96	253474	309	779520
e-Journals	17222	2985500	1669	1871500	18891	4857000
Digital Database	12442	80000	0	0	12442	80000
CD & Video	2605	0	103	0	2708	0
Library Automation	1	115770	0	17700	1	133470
Weeding (hard & soft)	507	0	0	0	507	0
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
NIL	NIL	NIL	01/07/2018

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MGBPS)	Others
Existing	938	776	865	20	0	25	117	74	0
Added	80	79	0	0	0	1	0	50	0
Total	1018	855	865	20	0	26	117	124	0

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

124 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
NIL	NIL

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
610.4	519.31	790	672.66

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

At the B.N.M Institute of Technology, we have established clear policies and procedures to create, maintain and upgrade the Infrastructure for enhancing the Teaching Learning process at regular intervals of time. • Proper systems and processes are ensured in recruiting, maintaining, and retaining staff members for Teaching, Technical and Administrative roles. • All the efforts are made in expending the budgets in creating and maintaining stateoftheart facilities in terms of establishing adequate number of classrooms, laboratories, teaching aids, and learning resources, etc., to enhance the overall student experience at our institution. • All the Laboratories are wellequipped with latest stateoftheart equipment's and materials not only to cater towards imparting of Curriculum related aspects to students. The Labs are maintained well with regular/periodical upkeep. • The Library setup consists of the Main Library along with reference section, which collectively support the educational needs of students belonging to all the programmes/specializations being offered on campus. The Libraries contain a vast collection of Semester books, Reference books, Competitive exam books, Bound volumes, Journals, Conference proceedings, eBooks, CD's /DVD's, student Thesis, Dissertations, Periodicals, eJournals, etc. • One large auditorium and 03 Seminar halls are established in campus with stateoftheart ICT facilities to conduct Colledgelevel Events, State, National International Conferences, Workshops and Symposia. • Internet Bandwidth of 124 MBPS with WiFi connectivity is enabled in the campus for the benefit of staff and students. • An inhouse I.T Maintenance team comprising of experienced Networking professionals handles the I.T Infrastructure – Computer Labs, Computers, Browsing Centre, Servers, Internet, Firewall, etc. of College/Departments on a daily basis. • The college gives importance to allround development of its students by encouraging them to participate in sporting and cultural activities to stay physically fit as well as improve their creativity, interpersonal and organizing skills. • KALA BHAGEERATHI, the cultural forum of BNMIT identifies and nurtures inherent talent among students and provides a platform to exhibit their skills in various fields like Abhinaya, Naatya, Sangeetha, Finearts and Literary Events. They also participate at InterCollegiate fest and events. • The Physical Education Department is well equipped with required infrastructure to train students on various indoor and outdoor games and events. The students can also make use of the Gymnasium. • The college organizes in house sporting events as well as it also encourages students to excel in sports at University level, National and

International level. • Preventive / Routine maintenance is handled by the respective department technical staff. • Breakdown maintenance is handled by the IT maintenance staff. • All IT Services are managed internally with some minor external vendor. • Apart from the perpetual licenses the other software are regularly renewed with the respective vendors.

<https://www.bnmit.org/policy-and-procedures/>

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	BNMIT scholarship for economically weak, rural and meritorious students, BNMIT scholarship for sports performers, BNMIT Cultural scholarship for medal winners and participants in cultural events, BNMIT Gold medal for VTU Rank, Smt. Nalini memorial award	145	2005000
Financial Support from Other Sources			
a) National	Department of Social welfare, Backward community and minority office (Vidyasiri), Cognizant Scholarship, Techkriti 2019	564	16865480
b) International	0	0	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
"TW5" A programme to improve written skills	06/08/2018	488	BNMIT Faculty
"T5 (Talk for 5 minutes)" A personality development programme	25/02/2019	1027	BNMIT Faculty

MEAN Stack	14/02/2019	114	Mr. Sachin Srivatsav, CEO senior consultant, M/s LEAPX Labs Mrs. Deepthi Agarwal, Consultant, M/s LEAPX Labs Mrs. Deepthi Kulkarni, Consultant, M/s LEAPX Labs
Embedded Systems in Robotics (ROS)	21/03/2019	63	Mr. Muralidhara M/s LEAPX Labs
Programming principles in Scala	01/08/2018	59	Freelance Technology Architect GE Digital
Skill development program on Transformer Design	07/02/2019	37	M/s Sara Consultants
Skill development program on Industrial Automation	07/02/2019	23	M/s AGIIT Technologies
Workshop on "Embedded application for real life application"	10/07/2018	27	Mr. Srinivasa Reddy, DBIT and Mr. Hayavadhana Panchamukhi, Techknow Mentor
Exploration Learning Lab	01/08/2018	63	Faculties of Dept of CSE / ISE
Programming principles in Scala	01/08/2018	59	Adithya S.P Freelance Technical Architect
Skill Development Program on App Development	01/02/2019	54	M/s LEAPX Labs
CSI Circuit prototyping	02/11/2018	6	CSI
Two day workshop and National level competition on "Mobile Control Robotics"	15/02/2019	4	CSI
"IOT exhibition at Karnataka Trade promotion organization"	28/02/2019	29	CSI
Workshop on Internet of things and analytics	22/09/2018	10	BITES
Bridge Course on C	01/08/2018	51	Narayan Reddy/

Plus Plus			Manjunath G S
Skill Development Program on Solid Works	27/07/2018	50	CAD MAXX Solutions , Bangalore
Soft skill training	10/10/2018	111	M/s Seventh Sense Training
Business Analytics training	29/10/2018	111	Business Toys Pvt. Ltd.
Communication classes	01/08/2018	111	BNMIT
Performance enhancement classes	01/02/2019	150	Course Teachers
Bridge courses	01/08/2018	90	Mathematics Department
Remedial coaching	01/08/2018	150	Faculties of the Department
Yoga	01/08/2018	500	BNMIT Physical Education Department
Mentoring	01/08/2018	2200	BNMIT Faculty Counsellors
Professional counselling	01/08/2018	30	BNMIT Friends Corner
VLSI FPGA and ASIC Syntesis	01/02/2019	29	Tech Lab Ltd. Bangalore
IOT and Applications	01/02/2019	27	Preva Systems Ltd. Bangalore
Machine Learning Techniques for Signal and Image Processing	01/02/2019	39	Lehrer IT Systems
Skill Development Program on Solid Works	27/07/2018	50	CAD MAXX Solutions , Bangalore

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	Ashoka University	0	4	0	0
2019	Byju's	0	168	0	0
2019	IDP Education	0	199	0	0

2019	Princeton Review Manya	0	78	0	0
2019	Placement training and career counselling	9	87	12	86
2019	GRE	8	0	1	0
2019	TOEFL	6	0	0	0
2019	Higher Education - Preplacement training	49	49	3	39
2019	Higher education- Cocubes	42	42	0	0
2019	Higher education - IDP	14	14	0	0
2019	Counselling for non placed students	24	24	0	3
2019	Counselling for placement	50	50	3	36
2018	Young India Fellowship presentation	1	1	10	3
2018	Session on Career Counselling for Higher Studies for all 5th semester B.E. students (all branches)	23	23	0	0
2018	Session on Career Counselling for Higher Studies for all 5th semester B.E. students (all branches)	46	46	0	0
2018	Counseling for Not-Placed 8th	12	12	0	0

	semester B.E. students				
2018	Counseling for Not- Placed 8th semester B.E. students	0	43	0	0
2019	Pre placement career counseling for MBA students	0	111	0	81
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
0	0	0

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Total Companies Visited 54	4644	582	Total Companies 22	249	28
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2019	1	BE	CSE	NC State University	Master of Computer
2019	2	BE	ECE	Arizona State University, USA	MSE
2019	2	BE	ECE	Northeastern University, USA	MS
2019	1	BE	ECE	University of Southern California, USA	MS

2019	1	BE	ECE	University of Twente, Netherlands	MS
2019	1	BE	ECE	University of Toronto, Canada	MENG
2019	1	BE	ECE	TU Berlin, Germany	MS
2019	1	BE	ECE	University of Paderborn, Germany	MS
2019	1	BE	EEE	University of Southern California	Astronautical Engg.
2019	1	BE	ISE	Monash University	MS
2019	1	BE	ISE	Amrita Vishwa Vidhyapeetham	M.Tech
2019	1	BE	ISE	The University of Texas at Dallas	MS
2019	1	BE	ME	Linkoping University	Industrial Engineering & Management
2019	1	BE	ME	Kohne Logistics University	Global logistics & supply chain management
2019	1	BE	ME	Oxford Brookes University	Automotive Engineering and Electric Vehicles
2019	1	BE	ME	Chalmers University	Applied Mechanics
2018	1	MBA	PHD	BNMIT	VTU
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	21
CAT	1
GRE	23
TOFEL	14
Any Other	7
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
KalaBhageerathi	Intra Institute	150
Talents Day	Intra Institute	52
VTU Intercollegiate Bangalore Central Zone Table Tennis (MW) Competition 201819	Intercollegiate	76
39th Y. Nagesh Rao Maanay Memorial InterCollegiate Throw Ball Tournament - 2018	Intercollegiate	672
ANNUAL ATHLETIC MEET 2019	Inter branch Level	300
Inter Department Cricket Matches	Inter branch Level	160
Inter Department Sports	Inter branch	170
Staff Sports	Inter branch	300
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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	Swimming Federation of INDIA (6th place)	National	1	0	1BG16CS421	Ranjeetha J
2018	5 Gold medal	Internatio nal	1	0	1BG18ME029	Prajwal Sharath

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

• Every department has an active student associations consisting of student members from all semesters. As a part of student chapter activities eminent speakers and industrialists deliver speeches on topics relevant to current educational scenario. • Various cocurricular activities like Technical Talks, Seminars, Workshops, and Symposiums are regularly organized by the associations to enhance the technical skillset of the students. • Being an affiliated college, designing the syllabus is outside the purview of the institute. However, the institute can enrich the curriculum with incorporating contents beyond the syllabus and add on courses. Involving student representatives in DAB and IQAC plays a significant role in this aspect. Students come to know about the additional academic requirements, when they participate in seminars and workshops. This in turn is discussed in the DAB and IQAC meetings by the students for necessary improvements in the curriculum. • Students represents in various committees of the college viz., library committee which looks into the library requirements, antiragging committee which plans out ways and means to facilitate the smooth transition of the fresher's to a professional program and mentoring cell etc. • Students are actively involved in BNM Friends of Nature

club and NSS activities of the institute. Nature Club and NSS units of the institute conducts environmental awareness and societal benefit programs such as Cycle Street, Annual Srishtisambhrama program, Tree Planting, Documentary shows on Flora and fauna, Plastic Free Awareness program, Swachh Bharath Abhiyaan etc.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

BNMIT ALUMNI ASSOCIATION – BNMIT AA Alumni Association was formed in 2005 with a membership of over 200 with a motto: • Alumni to come back interact with students • Alumni to take sense of pride responsibility for doing good things at BNMIT BNMIT AA is committed to support professional growth strengthen friendship continue your connection with fellow graduates to allow the opportunity for involvement with various activities of the association. This association offers alumni the chance to keep up with happenings at BNMIT interact in more than one way, to bring closer to fellow talented classmates as well as to college life. Objectives of BNMIT AA • To spread awareness about the progress and achievements of BNMIT to create opportunities for current students. • Getting assistance from alumni for placement activities. • Provide assistance to certain deserving students to help them complete their education.

5.4.2 – No. of enrolled Alumni:

2700

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

352800

5.4.4 – Meetings/activities organized by Alumni Association :

The following are the activities/meetings arranged by the alumni association for the academic year 2018 2019

- 1 BNMIT Alumni Series 1 on preparations for Higher Studies and Research
- 2 14th Annual Alumni Meet Annual Meet on 10/2/2019
- 3 BNMIT Alumni Series - 2 on Latest trends Technologies on 23/2/2019
- 4 BNMIT Alumni Series - 3 on Communication Skills in Office Environment and Confidence building on 2/3/2019
- 5 BNMIT Alumni Series 4 on Latest trends Technologies on 30/3/2019

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

The management has delegated the decision making responsibilities in daily operations to Principal and HODs. Major decisions in framing policies concerning the Institution are taken by the top management through the feedback of stakeholders. The various teams strive with coordinated effort to lift up the brand name of the College in all assigned areas. The various functions that are delegated includes Teaching Learning Process, Academic aspects, Research and Development, Innovation, Entrepreneurship Development, Faculty Empowerment, Student counselling, Planning and Development of department infrastructure, Institutional Growth and Appraisal, Institutional Promotion, Conduction of Exam, Industry Institute Interaction, Alumni and Stakeholders interaction, Student Discipline, Library and College Ambience etc, . Regular review meetings are conducted to monitor the performance of the various functions through following committee -

- Antiragging Committee
- Grievances Redressal Committee
- Library Committee
- Sports Committee
- Cultural Committee
- Alumni

Interaction Committee • Research Committee Participative Management System The institute promotes a culture of participative management by involving staff and students and by taking feedback from all the stakeholders in all its decision making process. The participative management approach is practiced at different levels in the college and all the stakeholders are involved in the process of decision making based on collective wisdom. The stakeholders participate in the following committees and contribute to the decision making. Participatory Management System for academic and administrative activities • Governing Council Meeting • HoDs Meeting • Department advisory board meeting (DAB) • Program Assessment and Audit Committee meeting (PAAC) Participatory Management System for Quality Assurance • Internal Quality Assurance Cell (IQAC) Participatory Management System for general activities • Alumni Meeting • Parents Teachers Meeting • Students Counselors Meeting • College Faculty Meeting

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Teaching and Learning	The following strategies are adopted by the institution for effective teaching learning • Appointment of well qualified, competent teachers and providing opportunities for their continuous development through training. • Organization of FDPs on pedagogical initiatives. • Students are exposed to topics beyond curriculum and to recent trends and also motivated to inculcate the spirit of lifelong learning. • A well developed process for design, planning, execution, measurement of outcome, feedback and correction is in place. • Remedial classes are conducted for slow learners to bring them on par with other students. • Attainment of course outcomes is assessed and action plan is proposed to overcome deficiencies/gaps if any. • Internet/WiFi facilities are provided. • Students are encouraged to visit foreign universities for internships. • Students are also encouraged to visit industries. • Platforms are provided for continued and sustained interactions.
Research and Development	The following strategies are implemented with respect to Research Development • Research groups among institute faculty have been formed. These groups work on specific research problems. • The policy for incentives to faculty who bring funding has been formed and shared with faculty members.

- A well defined policy for providing cash incentives to researchers for their quality research publications is in place.
- Reduced workload for faculty who opt their first priority as research.
- Through DST funding (NewGen IEDC) student batches are given an opportunity to convert their innovative ideas into prototypes.
- Collaborations with startups like SenseSemi and workshops from industry experts help students to think out of the box.

Library, ICT and Physical Infrastructure / Instrumentation

The Library has an advisory committee consisting of Principal, Vice Principal, Chief Librarian, one senior faculty member nominated by the Director from each engineering department, Basic Science and MBA department. The Advisory committee normally meets twice in a year. It acts as an advisory body with regard to facilities and services and gives suitable suggestions for procurement of books and other relevant materials for better functioning of the library.

- The facilities from time to time are created on the advice of the Library Advisory Committee and it aims to improve the facility on a regular basis. The power back up, digital library, computers and printers, Internet facility, e learning resources, information display and notification, reprography, etc., are the significant facilities contributing for the user friendly environment.
- The library facilitates are ICT enabled for learning and ICT tools are deployed for the efficient use of the library resources. As part of Digital Library VTU Consortium, e Resources (e books and e journals) are subscribed for the current databases as per the consortium agreement. Computers are made available in the Library premises for the hassle free and easy access of resources by the students and faculty members.
- Library working hours are extended up to 7.00 pm to facilitate students for effective learning.
- Number of books issued to faculty members has been increased from 6 to 8 books.
- Additional books are added on life skills for reference of faculty and students.
- Facilities are updated periodically (ex: computers, software, electronic equipment) to meet the growing and changing needs of the

college. Appropriate measures are taken to maintain safety, security, hygiene, cleanliness and greenery on the campus. Provisions are made in the budget for the purchases and maintenance of the same. • Apart from providing for academic requirements, quality infrastructure is provided to encourage the cocurricular and extracurricular activities of students for their holistic development. • Infrastructure is provided as per the requirements of the affiliating University which is monitored by the Local Inquiry Committee every year. However, each department assesses the additional requirements every year which is discussed in the GC and budget provision is made for the same. Some examples are yearly replacement of old computers, all class rooms are fitted with LCD projectors CCTV camera and few of them are converted to smart class rooms.

Human Resource Management

The following strategies are adopted for human resource management • Encourage for higher studies/research. • Encourage staff to attend FDPs and workshops by providing financial support. • Incentives for research publications. • Seed money for research. • Tuition fee reimbursement for children of non teaching staff. • Pay higher allowances for deserving staff.

Industry Interaction / Collaboration

The following strategies are adopted for industry interaction / collaboration • Expand invitation to industry experts for lectures on special occasions and involving them in DAB. • Inviting industry experts as adjunct faculty to teach curricular and extra courses. • MOUs with industries to facilitate research activities, student internship and industry visits. • Participate in industry organized competitions.

Admission of Students

The admission process of the college is publicized mainly through website, prospectus, newspaper, magazines, college management software (CMS). Banners are displayed in the campus giving details of admission to the college. Stalls are set up in Educational fairs to publicize the admissions. However the majority of admissions have always been through

recommendations of alumni, parents, current students and faculty. • The Institution is affiliated to Visvesvaraya Technological University (VTU), Belagavi and is approved by the All India Council for Technical Education (AICTE), New Delhi. Hence admissions to all the programs are as per the VTU/AICTE/Govt. of Karnataka norms. All the admissions are approved by the Directorate of Technical Education (DTE), Govt. of Karnataka, and VTU. • College admits students through CET, COMEDK, GATE, MAT, GMAT, CAT and Management as approved by Government of Karnataka in line with VTU and AICTE norms.

Curriculum Development

The curriculum development is carried out by the affiliating university. However, institute deputed faculty members to the workshops conducted by the university on curriculum development. Further, senior faculty members of the institute are part of BoS in the affiliating university. Institute communicates curricular gaps from time to time to the university. These gaps are addressed at department level by arranging value added courses, guest lectures, technical talks, and industry visits.

Examination and Evaluation

The University assessment done through the semester end examination is principally summative. The three internal tests performance is evaluated in a formative way. The college on its own has evolved a few formative assessment methods to improve student performance viz: • Taking student feedback on the teaching after the first test. This gives information for the teacher to improvise the teaching method. • Students are asked open ended questions on topics of professionalism, environment and social responsibility of engineering decisions. This helps students to develop their capability to research on a topic individually and present the same. • The internal test questions are set to map to the course outcomes and program outcomes which are explained to the student at the start of a course. • The question paper also addresses the different Bloom's skill levels. This ensures the questions are properly set. Senior faculty of the department scrutinizes the question

paper for quality. The teachers also use a predefined scheme of answers to evaluate the performance. • The students have access to the answer books to check fairness of evaluation. Each assignment consists of questions on environment and societal effect of engineering decisions which the students research and answer. This inculcates in students independent learning and concern for the environment and empathy for the society.

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

E-governance area	Details
<p>Planning and Development</p>	<ul style="list-style-type: none"> • Campus Management System called BNMIT pupil pod is introduced in the campus from academic year 2014. CMS helps in automating lesson plan preparation, student attendance management, Staff Management, conduct of Test examinations, teaching and learning process including NBA attainment calculations. Communication to all the stake holders including staff, students and parents happen online. CMS enables the processes to reduce the time spent, save costs and helps all stakeholders involved in the process.
<p>Administration</p>	<ul style="list-style-type: none"> • The college has Biometric system for taking attendance for teaching and nonteaching staff. The college campus is equipped with CCTV Cameras in all class rooms, laboratories and at strategic points. Admission process happens online, fee due and leave management are made easy through CMS.
<p>Finance and Accounts</p>	<ul style="list-style-type: none"> • The college uses pupil pod software which helps collection of students' fees in digital and transparent manner. This helps to increase the efficiency of staff towards the accuracy in financial transactions. The college conducts regular audit of annual books of accounts.
<p>Examination</p>	<ul style="list-style-type: none"> • As an affiliated institution of VTU, examination norms of the university are followed. The university has adopted major reform in examination process by introducing online Question Paper Delivery System. VTU evaluates answer scripts digitally, thus reducing the overall time required for the release of the semester end results. Photocopies of the answer scripts are

	also provided to the students digitally on the need basis through SMS and email.
Student Admission and Support	<ul style="list-style-type: none"> • College admits students through CET, COMEDK, and Management quota as approved by Government of Karnataka in line with VTU and AICTE norms. The Government of Karnataka has established Karnataka Examination Authority (KEA). KEA conducts entrance test and admits students (online) based on the eligibility/merit, to Government quota share of seats in Engineering and Masters programs. Similarly COMEDK conducts online entrance test and admits students based on the eligibility/merit, to COMEDK quota share of seats in Engineering. • At college level, BNMIT pupil pod supports students by providing online access to curriculum matters like calendar of events, time table, lesson plan, course materials, attendance status, internal marks etc.

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	N Sheshaprasad	Helping Our Students Through The College Years	NA	1000
2019	N Sheshaprasad	International Conference on "Data Science and Communication	NA	5000
2019	Dr.Bindu S	NA	IEEE	5540
2018	Ms. KruthiJayaram	Smart Grid and Internet of Things	TEQIP	2000
2018	Dr.K.Venkatesha	Industrial Management in the Modern Context in Minsk state automotive college, Minsk, Belarus, European country	European country educational branch of RIPO	75000

		educational branch of RIPO		
2019	Ms.Ashwini A	Helping our students through the college years	NIMHANS	1000
2019	Ms.Madhu S	Helping our students through the college years	NIMHANS	1000
2018	Ms.K Vasudha	Development of Embedded systems using ARM CORTEX M0 Processors	BITES ACCS Association	3000
2018	Ms.SavithaSanga ppanavar	Development of Embedded systems using ARM CORTEX M0 Processors	BITES ACCS Association	3000
2019	Ms.Shubha Rao K	Design and Performance analysis of digital control laws for low power high frequency switching power supply	IEEE	10000
2018	Dr.Muralidhara. V	Influence of Ground Impedance on Unbalanced Analysis of Grid. NPSC 2018	NPSC	7000
2018	Mr.Vijaykumar S	Development of Embedded system using ARM Cortex M0 processors	NA	3000
2018	Sajitha N	Helping Our Students Through the Collage Years	NA	1000
2018	Manikantha K	Helping Our Students Through the Collage Years	NA	1000
2018	Ranjana S Chakrasali	Helping Our Students Through the Collage Years	NA	1000
2018	Sneha K	Helping Our	NA	1000

		Students Through the Collage Years		
2018	Sreevidya R C	Helping Our Students Through the Collage Years	NA	1000
2018	JebhaJaykumar	Machine Learning	NA	1250
2018	Usha CR	Machine Learning	NA	1250
2019	Vyasaraj T	Moodle learning management	NA	500
2019	Priyadarshini K Desai	Helping our students through the college years	NA	1000
2018	Kiran S. M.	Development of Embedded system using ARM Cortex M0 processor	NA	4000
2019	Chandrashekar C	Design for Test using Mentor Tessent Tool Site	NA	1000
2019	Subodh Kumar Pandey	Design for Test using Mentor Tessent Tool Site	NA	1000
2018	N Sheshaprasad	National level workshop on Micro strip antennas and measurements	NA	5000
2018	N Sheshaprasad	IEEE International conference on Networking, Embedded and Wireless Systems	NA	6000
2018	Dr. Mukesh Patil	Industrial Management in the Modern Context in Minsk state automotive college, Minsk, Belarus, European country educational	European country educational branch of RIPO	62000

		branch of RIPO		
2018	Dr. Kiran YC	Industrial Management in the Modern Context in Minsk state automotive college, Minsk, Belarus, European country educational branch of RIPO	European country educational branch of RIPO	75000
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	IoT based Project Design and development	NA	24/06/2019	29/06/2019	45	0
2019	Cyber Security	NA	27/06/2019	27/06/2019	107	0
2019	Fourth CAC Lecture on Alan Turing	NA	24/06/2019	24/06/2019	6	0
2019	Computational methods for Partial Differential Equations using MATLAB	NA	03/06/2019	08/06/2019	30	0
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
IOT and AI in Robotic Automations (FDP)	5	24/06/2019	28/06/2019	5

IBM Developers Day conference	2	14/03/2019	14/03/2019	1
Skill Enhancement in C Programming	4	18/02/2019	22/02/2019	5
Machine Learning using Python	1	16/07/2018	20/07/2018	5
Machine Learning	1	19/07/2018	21/07/2018	3
Digital Technologies	2	18/03/2019	19/03/2019	2
New Model Curriculum for PG Course CBCS Details Syllabus (201819) as per OBE format including CO and Blooms Taxonomy (Workshop)	2	06/08/2018	06/08/2018	1
Assessments for Introductory Programming Course	2	18/12/2018	19/12/2018	2
Internet of Things	3	22/09/2018	22/09/2018	1
Introduction to Robotics	1	05/10/2018	06/10/2018	2
Web Technology and its applications	1	16/07/2018	18/07/2018	2
Assessments for Introductory Programming Course	1	18/12/2018	19/12/2018	2
Application of Computational Intelligence in Engineering	13	24/06/2019	29/06/2019	6
Imperatives of Engineering Education: Enhancing Skills and Employability	5	19/07/2019	19/07/2019	1
Introductory course on Machine learning	2	21/01/2019	26/01/2019	6
Assessments for the	1	18/12/2018	19/12/2018	2

Introductory Programming Course				
High Voltage Insulator Manufacturing and Testing	1	30/01/2019	30/01/2019	1
IOT AI in Robotic Automations	2	24/06/2019	28/06/2019	5
Student Induction (FDPSI)	1	17/06/2019	19/06/2019	3
Digital Technologies	1	18/03/2019	19/03/2019	2
Faculty skill Enhancement Program on C	2	18/02/2019	22/02/2019	5
Data Analytics	7	21/01/2019	25/01/2019	5
LEX based Foundation Program	1	07/01/2019	11/01/2019	5
Assessments for the Introductory Programming course	3	18/12/2018	19/12/2018	2
Introduction to Robotics	1	05/10/2018	06/10/2018	2
VMware IT academy	1	03/10/2018	03/10/2018	1
Internet of Things	5	22/09/2018	22/09/2018	1
Machine learning	1	12/07/2018	17/07/2018	6
Development of Embedded system using ARM Cortex M0 processors	1	09/07/2018	13/07/2018	5
Research Issues and challenges in Mechanical engineering	16	16/07/2018	20/07/2018	5
Helping our students get through college	2	21/01/2019	25/01/2019	5
Assessment's for the Introductory programming course	4	18/12/2018	19/12/2018	2

AICTE ISTE Induction Program For Faculty of Technical Institutions	2	23/07/2018	28/07/2018	6
HR Analytics	1	27/06/2019	27/06/2019	1
Harnessing Outcome Based Teaching Learning Deliverables for the Enhancement of Accountability in Contemporary Education S Holistic perspective	1	12/06/2019	25/06/2019	14
IoT based project design and development, Department of ECE, BNMIT	28	24/06/2019	29/06/2019	6
Examination Reform Workshop	1	08/05/2019	08/05/2019	1
AICTE Model Curriculum design for Electronics and Communication Engineering Programme on OBE	2	29/04/2019	30/04/2019	2
Micro strip antennas and measurement	1	05/07/2018	07/07/2018	3
Internet of Things	2	22/09/2018	22/09/2018	1
Helping Our Students Through The College Years	1	21/01/2019	25/01/2019	5
Artificial Intelligence Machine Learning	2	20/06/2019	21/06/2019	2
Computational Methods for Partial Differential Equations Using	1	10/06/2019	14/06/2019	5

MATLAB				
Assessments for the Introductory Programming course	2	18/12/2018	19/12/2018	2
Embedded Systems Designs, IOT and IOT Security Protocols	1	16/01/2019	20/01/2019	5
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
142	142	163	163

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<ul style="list-style-type: none"> • Provident fund and gratuity schemes as per • Provident fund and gratuity schemes as per The Management gives scholarship to the extent government norms • Leave benefits like casual leave, earned leave, maternity leave, study leave, sick leave etc. as per the Institute norms. • Ph.D. allowances for faculty members perusing research. Further increase in allowance would be considered based on progress of research work. • Financial assistance to the staff for paper presentation/ participation in conference/ FDP's/ workshops/ any training programs registration in India and abroad. • Cash incentives for paper publication in reputed journals. • Cash incentives for self lf appraisal rating of 90 and above. • Reserved medical fund for emergency medical 	<ul style="list-style-type: none"> • Leave benefits like casual leave, earned leave, maternity leave, study leave, sick leave etc. as per the Institute norms. • Reserved medical fund for emergency medical expenses. • Insurance on complete gratuity amount. 	<ul style="list-style-type: none"> The Management gives scholarship to the extent of total amount of Rs. 25 lakhs per year. • CET students admitted within the ranking 1000 will be given a onetime scholarship of Rs.25,000/ at the time of admission. • ComedK students admitted within ranking 3000 will be given a onetime scholarship of Rs.10,000/ at the time of admission. • Merit scholarship of Rs.10,000/ will be given to all the students securing CGPA of above 9.5 in 1st semester. • Scholarship of Rs.10,000/ will be given to all the students securing more than 90 in any semester. • Scholarship of Rs.10,000/ to Rs.25,000/ will be given to rural Karnataka students from economically weaker section admitted through CET. • Student who has secured more than 60 in exams and has represented VTU in sports is awarded

expenses. • Insurance on complete gratuity amount.

Rs.10,000/. • Student who has secured more than 60 in exams and has represented Karnataka in any sports is awarded scholarship of Rs.25,000/. • Student who has secured more than 60 in exams and has represented our Country in any sports is awarded scholarship of Rs.50,000/. • Cultural Scholarship of Rs.10000 to Rs.25000 to VTU youth festival members. Gold Medals • All students securing Ranks in VTU are awarded gold medals. • Students securing 90 and above in first four semesters are awarded a gold medal and similarly those securing 90 in the last four semesters are also awarded gold medals. Insurance Insurance: All Students are insured for Rs.100000/

6.4 – Financial Management and Resource Mobilization

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

Institution conducts internal and external financial audit regularly through authorized auditor.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
NIL	0	NIL
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6.4.3 – Total corpus fund generated

10000000

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	NBA	Yes	IQAC Coordinators
Administrative	Yes	NBA	Yes	IQAC Coordinators

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

- Every semester, Parents Teacher meeting is arranged to discuss the activities performance of their wards in internal and external assessments.
- Parents' feedback is taken for overall development of the department and Institution.
- Few Parents are also a part Department Advisory Board (DAB) of the departments and supports the smooth functioning of the activities related to the students.

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

Supporting staff developments programs are conducted at the department levels regularly. For example during the current year 6 supporting staff have been deputed to Toyota Kirloskar Private Limited for industrial training on engine assembly and disassembly.

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

1. Formation of research team at institute level for promoting research activities
2. Enhancement of Industry linkages through collaboration
3. Implementation of Skill Development Programs (SDPs)
4. Implementation Alumni lecture series
5. Introduction of Value added courses like T5 and TW5

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	No
d) NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	Bootcamp on "Virtualization and Cloud"	28/07/2018	23/02/2019	24/02/2019	64
2019	Computational methods for Partial Differential Equations using MATLAB	16/03/2019	08/06/2019	08/06/2019	30
2019	Fourth CAC Lecture on Alan Turing	16/03/2019	24/06/2019	24/06/2019	6
2018	Skill Development Programme	28/07/2018	01/02/2018	31/05/2018	445
2019	Cyber Security	16/03/2019	27/06/2019	27/06/2019	107
2018	Internal IQAC Audit 1	28/07/2018	10/08/2018	21/08/2018	9
2019	Internal IQAC Audit 2	16/03/2019	06/03/2019	14/03/2019	9
2019	A workshop	28/07/2018	23/03/2019	23/03/2019	126

	on "Curricular Gaps, Assessment in OBE Framework and Industry Institute Interaction				
2019	Workshop on "Circuit Prototyping"	28/07/2018	02/11/2018	03/11/2018	59
2019	Workshop on "Mobile Control Robotics"	28/07/2018	15/02/2019	16/02/2019	67

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Wintathon Contest in association with M/s. LinkedIn for girls students	13/11/2018	13/11/2018	50	0
International Women's Day connect in association with M/s Accenture	06/03/2019	06/03/2019	172	239

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

Percentage of power requirement of the University met by the renewable energy sources
<p>1. Solar panels are fixed on the roof tops of the Building. 100KW total solar energy generated which is transferred to the electric grid. Use of grid connected solar energy helps to conserve electricity use. 2. Solar water heating systems are fixed on the roof tops of the hostels to provide all time hot water to the inmates. 3. Normal light bulbs are replaced by LED/ CFL lamps. 4. Rain water harvesting is efficiently practiced in the campus Run away water of rains is collected in 5 tanks. 5. The open soil area of the campus is covered by grass and diversified flora this helps in retaining and absorbing rain water Thus helping in increase of ground level of water It also helps in avoiding soil erosion 6. To encourage the use of bicycles by the nearby students, loan with 0 interest is provided by the Management to buy the bicycle for their transportation. 7. Cycle rally was conducted from College to Lalbagh and back as an Awareness program 8. Vermi composting is implemented. 9. All internal communications of Administration, Office and Departments are done through electronic communication to rather than printed circulars. 10. In</p>

association with KSPCB, ewaste is disposed through the authorized vendors. 11. Lush green garden boarder by the avenue trees and shrubs helps in Carbon Neutrality About 25 of power requirement of the Institute is met by the renewable energy sources.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	1
Provision for lift	Yes	1
Ramp/Rails	Yes	1
Rest Rooms	Yes	1
Scribes for examination	Yes	2
Braille Software/facilities	Yes	1
Special skill development for differently abled students	No	0

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	1	1	15/07/2018	1	Health camp for senior citizen	Public Health	150
2019	1	1	29/03/2019	1	Blood donation camp	Public Health	514
2018	1	1	06/10/2018	1	Shrusti Smbrahama	Public awareness	450
2019	1	1	02/03/2019	1	Swatch Bharat program	Public Health	20

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

Title	Date of publication	Follow up(max 100 words)
Orientation Programme Student rule book. It consists of the disciplines to be observed in the campus, Calendar of events, rules and code of conduct to be followed at the institute	18/08/2019	Dress code, code of conduct in the campus, adhering to timings, T5 class and follow up class

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
"TW5" A programme to improve written skills	06/08/2018	10/08/2018	488
"T5 (Talk for 5 minutes)" A personality development programme	25/02/2019	01/03/2019	1027
International Yoga Day	21/06/2019	21/06/2019	200
Blood Donation Camp	29/03/2019	29/03/2019	514
Swatch Bharath	02/03/2019	02/03/2019	26
Tree Plantation	05/06/2019	05/06/2019	20
Helping Government school children by distributing Stationaries.	30/11/2018	30/11/2018	25

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

1. Phasing out in process to make Campus Plastic free zone and is now almost plastic free. 2. Garbage disposal system to segregate bio degradable waste. 3. Rain water harvesting process initiated 4. LED conversion from CFL in process. Most of the bulbs are now CFL. 5. 100KW capacity solar panel is installed. 6. Institute has plantation of trees and plants that make the environment carbon dioxide free. More than 1500 types plants are available in the campus. 7. As a paper save paper, official communication is done through website, LMS software (DHI) and other mediums (email) rather than printed circulars. 8. Periodic review is taken on status of equipment (Computers, Printers and other accessories). Those in not working condition are scraped properly to ewaste management team. 9. Campaigning and awareness creation programme for sustainable development and ecofriendly life style. E.g. Rallies, walkathon, poster presentation, Awareness program (shrusti Sambhrama) etc. 10. Gardens and nursery: vacant land has been earmarked for grassy patches including a nursery. Seasonal vegetables are sowed in the nursery which is used in the Girls' Hostel. Garden areas add to the beauty of the college besides improving carbon footprint. They also prevent soil erosion. Apart from this, Nature Club and NSS units of the institute conduct various environmental awareness programs. Programs conducted during 201819 includes • Environment Quiz program • Annual Srishtisambhrama program • Tree Planting • Documentary shows on Flora and fauna • Students participation in Idea Conclave for Better Bengaluru • Swachh Bharath Abhiyaan

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice 1 1. Title of the Practice: Skill Development Programme (SDP) 2. Goals: • To bridge the gap between industry and academia through courses designed with active engagement with experts from reputed industries to inculcate skill sets required by industries. • To increase the employability of students in industries - particularly in core industries. 3. Context: • Apart from looking for soft skills, industries want individuals who are ready to take up work immediately after joining their companies. Further, graduates with higher and better skills, adjust / adopt to dynamic environment, and more effectively to the challenges opportunities at work. Through Skill Development

Programmes, institute is aiming to produce skilled and industry ready individuals in the domains of current interest. 4. The Practice: • Students of 3rd year B.E. have to undergo training in one Skill Development Programme. The Choice is given for students to choose their area of interest. • The industry specific course curriculum is designed for 20 weeks for 100Hrs over a period of 1 year. The weekly time slot for Skill Development Programmes is included in regular timetable across all departments. • The interactive sessions include lecture and handson training selected after due recommendation from resource persons from reputed industries. • The Skill development programmes (SDPs) conducted during 201819 are listed below: ? Embedded Systems in Robotics (ROS) ? Mean Stack ? App Development ? VLSIFPGA and ASIC Synthesis ? IoT its Applications ? Machine Learning Techniques for Signal Image Processing ? Industrial Automation using PLC, SCADA, HMI VFD ? Design of Power Frequency High Frequency Transformers and Rotating Machines for Industrial Applications ? Solid works and GDT • Each Student was supposed to select one course from the above mentioned list. 5. Evidence of Success: • SDPs have been in practice from 2018. The programme has a seamless blend of courses dealing with an array of specialized topics relevant to modern industrial applications. Students have expressed positive feedback about the skill development programmes. It increases placement opportunities for the students from the academic year 201920. 6. Problems Encountered and Resources Required: • Initially there were challenges in fixing a weekly time slot in the regular time table. But later it was resolved. The required software licences were procured for conducting SDPs across all courses. Resource persons from reputed industries were involved for effective implementations of SDPs. Students have now seen the advantages of participating in this program. 7. Future plans: • The institute is planning to take this to a higher level by introducing more courses with hands on training which are more industry specific. 8. Contact Details: Name of the Principal : Dr. Krishnamurthy G.N Name of the Institution : BNM Institute of Technology City : Bangalore Pin Code : 560070 Accredited Status : A - Grade Work Phone : 080 26711781/82 Fax : 080 26711780 Website : www.bnmit.org email : : principal@bnmit.in Mobile : 8105869067

Best Practice 2 1. Title of the Practice: T5 and TW5 in house personality development training programmes for improving communication skills. 2. Goal: • The main aim of this program is to build capacities of students to enhance verbal and written communication skills by motivating students to speak for five minutes in front of an audience with proper voice modulation, tone, eye contact, posture and time management. 3. The Context: • Communication is both an art and a science. It often involves acts of speaking and listening, reading and writing. Increasing knowledge and awareness of some of the components involved in effective communication can serve to improve how we use those components personally. Through T5 and TW5 programmes, institute is aiming to allow students to discover themselves in a positive manner which will help them in finding their goals and achieving them. 4. The Practice: • Professional Development Program is an initiative of BNMIT under the kind supervision of Dean Prof. Eshwar N Maanay. Framing the contents for the programme was undertaken through meeting with mentors of different departments and coordinators. Several training needs for students were identified during the process. Syllabus was framed for 5 days for fulfilling the expectations of the students related to communication and moral behaviour. • Major topics covered during T5 TW5 programme include Body language, Public speaking, Peer closeness, Overcoming fear, Time management, Goal setting. Technical comprehension, Group Discussion, Extempore, Mail etiquette, Positive Critique Speech and Social Media Behaviour. • Participatory Learning action approach was adapted. Following techniques were used to generate the maximum output from the program. ? Theory input by Power Point Presentations, Lectures, Reading and Brainstorming etc. ? Practical experience through group tasks Group works, Buzz groups, Role plays, Case studies etc. ? Application of theory to the practical experience through rigorous and indepth reviews, assignments and

handouts. • Each session was started with ice breakers and followed by a brief input about the topic in hand. The tasks were mostly neutral in nature and carried out with time specifications. • The explanation of the concepts was made on the multimedia projector, asking questions from the participants and sharing experiences regarding the topic in hand. • Each new day would start with a recap of the previous day's main topics. The participants have been asked questions about some issues which were not included in the training discussions, but were relevant to the concepts discussed in the program. • After going through the assignments of each day, students were analysed for their writing skills, communications and body language. One on one counselling was done with the participants to discuss about their strengths and weaknesses. • Last day was meant for students to present their positive thoughts along with their short and long term goals. Students presented their goals along with methods they are going to use to achieve the same with timeline. • Follow up sessions were conducted on regular basis to see the progress of the students.

5. Evidence of Success: • All participants expressed their satisfaction in feedback sessions about the program, mentors and training methods employed. They added that the program was effective and it will improve their communication and managerial activities. They requested the management for more such programs for them in future. • Improvements are noted in students' performance in their placement interviews. • Through this program mentor-mentee relationship has improved considerably.

6. Problems Encountered and Resources Required: • Training of faculty members to adapt to the system was challenging.

7. Future plans: • The institute is planning to take this to a higher level by introducing programmes such as WP5 (Writing and Presentation Skills) and P5 (Technical Presentation Skills) in future.

8. Contact Details: Name of the Principal : Dr. Krishnamurthy G.N Name of the Institution : BNM Institute of Technology City : Bangalore Pin Code : 560070 Accredited Status : A Grade Work Phone : 080 26711781/82 Fax : 080 26711780 Website : www.bnmit.org email : : principal@bnmit.in Mobile : 8105869067

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

<https://www.bnmit.org/best-practices/>

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

1. Institution has grown horizontally as well as vertically since its time of inception, 2001. BNMIT started in 2001 as one of the 200 colleges in VTU and is now recognized as the premier academic institution in engineering in VTU. BNMIT provides engineering education and undertakes engineering research that together serves to develop creative technological leaders and advance the frontiers of engineering knowledge. Institute has lot many accolades by having NIRF ranked at 156, NAAC accreditation ('A' Grade) to its credit. All the UG branches are accredited by NBA for a period of three years (up to 30 June 2021).

2. BNMIT has excellent, experienced and dedicated faculty members who are its pillars of strength. Apart from an all encompassing academics, the college provides Industry Interface, Performance enhancing programs, Placement training and Career support programs, multiple skill acquisitions, orientation and induction programs, scholarship and rewards for the deserving students and an elegant and charming dress code.

3. The Talk 5 (T5) and Talk and Write 5 (TW5) programs are yet another unique concepts wherein students are motivated to overcome their fear and hesitations. The purpose is to allow students discover themselves in a positive manner which will help them in finding their goals and achieving them.

4. BNM Institute of Technology is equally passionate about research and constantly strives to strengthen it by twinning with R and D

institutions and industries at national and international levels. The management and faculty wholeheartedly support students in achieving their potential and embarking on exciting careers. 5. Higher education is a long term social investment. The alumni's of the institute have spread all over the world and are working for prestigious organizations. Graduates from the institute are also pursuing higher studies in the prestigious institutions across the globe. 6. The most distinctive feature which is in line with the institutes vision is the institute's presence in helping the society and community through various social events, activities. Events like awareness campaigns, health camps, soft skill training, awareness rally, startups, and environment awareness programs are organized by the management at regular intervals. 7. At BNMIT, students are not only prepared for gaining knowledge but also enough opportunities are given to equip themselves with cultural activities, sports, nature awareness, adventure activities, social services, etc. It has become an additional and important parameter for companies to decide on the right candidate for the top jobs. 8. Institute has well established ED Cell conducts regularly workshops, seminars, competitions to motivate budding Entrepreneurs. DST has granted Rs. 2.87 Crores to convert student ideas into prototypes. So far about 30 student ideas have been converted to prototypes under this grant. 9. A well established Training and Placement department strives hard to prepare students to get jobs on campus through rigours and continuous training and inviting many MNCs for campus recruitment resulting in high percentage of placements compared university average. 10. Students are trained with additional skills beyond the syllabus to make them industry ready.

Provide the weblink of the institution

<https://www.bnmit.org/institutional-distinctiveness/>

8.Future Plans of Actions for Next Academic Year

1.Implementation of Engineering Exploration Lab to motivate first year engineering students to explore multi disciplinary aspects of engineering. 2.Enhancement of Industry linkages through MOUs 3.To motivate students to develop and implement innovative ideas through organised workshops, seminars, hackathons and similar competitions. 4.Effective implementation of performance enhancement classes 5.Increase in the number of student ideas to convert them into prototypes under NewGen IEDC funded by DST. 6. Motivate students to Patent their ideas/prototypes. 7. Strengthen ED Cell to motivate students to become Entrepreneurs.