



YEARLY STATUS REPORT - 2020-2021

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 its own campus?	Yes	
• Phone no./Alternate phone no.	08026711782	
• Mobile No:	8105869067	
• Registered e-mail	bnmitprincipal@gmail.com	
• Alternate e-mail	principal@bnmit.in	
• Address	Post box No 7087 27th Cross 12th Main Banashankari 2nd Stage	
• City/Town	Bengaluru	
• State/UT	Karnataka	
• Pin Code	560070	
2.Institutional status		
• Type of Institution	Co-education	
• Location	Urban	
• Financial Status	Self-financing	

• Name of the Affiliating University	Visvesvaraya Technological University				
• Name of the IQAC Coordinator	Dr. Bindu S				
• Phone No.	9844793208				
• Alternate phone No.	08026711781				
• Mobile	9844793208				
• IQAC e-mail address	principal@bnmit.in				
• Alternate e-mail address	bindus@bnmit.in				
3.Website address (Web link of the AQAR (Previous Academic Year)	https://www.bnmit.org/wp-content/uploads/2021/06/AQAR_19-20.pdf				
4.Whether Academic Calendar prepared during the year?	Yes				
5.Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.10	2017	30/10/2017	29/10/2022
6.Date of Establishment of IQAC			28/02/2017		
7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,					
Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount	
Institution	New Gen IEDC	DST	2017 (5 Years)	2,87,00000	
Information Science Engineering	Karnataka Fund for Infrastructure Strengthening in Science and Technology (K-FIST L1)	VGST	2020 (2 Years)	20,00,000	
Information Science Engineering	Faculty Development Programme	AICTE Training And Learning	2020 (05 Days)	93,000	

		(ATAL) Academy		
Faculty (Dr. Neetha Mahadev,)	Study on Social Sector Projects Assisted under Rural Infrastructure Development Fund in the states of Kerala, Karnataka and Rajasthan	Administrative Staff College of India, Hyderabad	2020 (03 Months)	1,19,302
Electronics & Communication Engineering	Modernization of Advanced Communication Lab	AICTE	2019 (2 Years)	12,00,000
Electrical & Electronics Engineering	Modernization of Relay and High Voltage Laboratory	AICTE	2019 (2 Years)	13,00,000

8. Whether composition of IQAC as per latest NAAC guidelines	Yes
<ul style="list-style-type: none"> • Upload latest notification of formation of IQAC 	
9.No. of IQAC meetings held during the year	03
<ul style="list-style-type: none"> • Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? 	Yes

<ul style="list-style-type: none"> If No, please upload the minutes of the meeting(s) and Action Taken Report 	No File Uploaded
10. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No
<ul style="list-style-type: none"> If yes, mention the amount 	
11. Significant contributions made by IQAC during the current year (maximum five bullets)	
<p>1. Acquisition of autonomous status for the institute from the academic year 2021-22. 2. Extension of NBA till June 2022. 3. Ranked 186th position in NIRF. Received diamond rating from QS-I Gauge - International Ranking survey. 4. Around 1400 videos were recorded in house using 3 dedicated studios and given to students during pandemic. 5. Industry Institute interactions have been enhanced through MoUs.</p>	
12. Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year	

Plan of Action	Achievements/Outcomes
Application for autonomous status	BNMIT has been granted with autonomous status from the academic year 2021-22.
Submission of Compliance report to National Board of Accreditation for renewal	UG branches - CSE, ECE, EEE, ISE & Mech.Engg. Accredited by NBA for academic years 2018-19 to 2021-22 & valid upto 30.06.2022
Video recording of theory and practical courses for the academic year 2020-21	Around 1400 videos were recorded in house using 3 dedicated studios are provided to students through VROOK - BNMIT e-learning during pandemic
Submission of research proposals for funding	<p>Research Grants during the year 2020-21. 1. Department of Electronics and Communication has received Rs.12 lakhs from AICTE, New Delhi, for Modernization of Advanced Communication Laboratory. 2. Department of Electrical and Electronics Engineering has received Rs.13 lakhs from AICTE, New Delhi, for Modernization of Relay and High Voltage Laboratory. 3. Department of Information Science and Engineering has received Rs. 20 lakhs from VGST for the project GPGPU computing for computationally complex problem. 4. Department of Information Science and Engineering has received Rs. 93000 from AICTE Training and Learning (ATAL) for conducting Faculty Development Program on block chain and its use cases. 5. Department of MBA has been granted with Rs. 1,19,302 by Administrative Staff College of India, Hyderabad for the project study on social sector projects assisted under</p>

	<p>rural infrastructure development fund in the states of Kerala Karnataka and Rajasthan project code 2020/MS/08. Research Proposals submitted to funding agencies during the year 2020-21. 1. Department of Electronics and Communication Engineering has applied for research funding to various agencies such as AICTE, DST, VGST and ISRO. 2. Department of Information Science Engineering has applied for research funding to various agencies such as VTU TEQIP 3 Fund, AICTE MODROBS. 3. Department of Electronics and Electrical Engineering has applied for research funding to VTU RESEARCH GRANTS SCHEME 2021. 4. Department of Mechanical Engineering has applied for research funding to VTU RESEARCH GRANTS SCHEME 2021.</p>
Enhancement of MoUs	<p>During Academic year 2020-21 BNMIT has signed MoUs with the following organizations 1. Swami Vivekananda Yoga Anusandhana Samsthana (S-VYASA) 2. AGIMUS Technologies Pvt. Ltd., Bengaluru. 3. Digital Shark Technologies, Bengaluru. 4. METAMOR Technologies Pvt. Ltd. 5. Vodafone Intelligent Solutions. 6. Spectrum Tool Engineers Pvt. Ltd., Bengaluru 7. Maltown Electric Pvt. Ltd., Hassan</p>
Global Recognition	<p>1. Ranked 186th position in NIRF 2. QS-I Gauge has awarded BNMIT with Diamond Rating.</p>
13. Whether the AQAR was placed before statutory body?	Yes

- Name of the statutory body

Name	Date of meeting(s)
Management	09/12/2021

14. Whether institutional data submitted to AISHE

Year	Date of Submission
2020	06/02/2020

Extended Profile

1.Programme	
1.1 Number of courses offered by the institution across all programs during the year	09
File Description Data Template	Documents View File
2.Student	
2.1 Number of students during the year	2152
File Description Data Template	Documents View File
2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	104
File Description Data Template	Documents View File
2.3 Number of outgoing/ final year students during the year	546
File Description Data Template	Documents View File
3.Academic	
3.1 Number of full time teachers during the year	151
File Description Data Template	Documents View File
3.2 Number of Sanctioned posts during the year	143
File Description Data Template	Documents View File
4.Institution	
4.1 Total number of Classrooms and Seminar halls	45
4.2 Total expenditure excluding salary during the year (INR in lakhs)	1255.05
4.3 Total number of computers on campus for academic purposes	848
Part B	
CURRICULAR ASPECTS	

1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

The curriculum for each programme is framed by the university through its Board of Studies.

- The courses are allocated by HoD based on the preferences and expertise of the faculty.
- A college-level timetable coordinator appointed by the Principal interacts with the department coordinators to draft a timetable that ensures an adequate number of teaching hours as specified by the university. Each course teacher prepares a detailed lesson plan for the assigned course.
- The teachers record the work done statement after the completion of each class.
- Faculty members use innovative teaching methods for effective course delivery
- IA question papers are prepared by the course teacher along with a detailed scheme of evaluation. The question paper is scrutinized by the course coordinator and is later approved by the HoD.
- To ensure the quality of course delivery, feedback is collected from the students soon after the completion of the first IA evaluation and before the third IA. Feedback is analyzed, and faculty with low feedback are sought an explanation and suitably advised to improve the performance through well-defined action plans.
- The teachers identify slow learners and conduct extra tutorial classes to bring them to the mainstream
- Similarly, top performers are identified and they are motivated to carry out innovative projects/publish papers/participate in competitions and technical fests.
- Semester End Exam is conducted as per the timetable prescribed by the university. The departments prepare a report after a detailed analysis of results. The reports are presented and deliberated in the HoDs meeting and in the Governing Council for appropriate actions.
- Teachers take a course exit survey and calculate CO attainment for the course using the process in the process document for CO attainment. If any of the COs are not attained, the action plan for the next batch of students is written and is shared with the teacher who is going to handle that subject in the subsequent semester.
- Teachers also video record the course delivery using the VROOK

- BNMIT E-learning platform which is made available to students 24/7 online.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://drive.google.com/file/d/1pwwZ7NXf_GZYF4qdN2qlE67HfzzqhHUG/view?usp=sharing

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

- Based on the University's academic calendar, the institute prepares a detailed day-wise academic calendar and subsequently, each department then prepares its own calendar, which includes dates for internal tests, laboratory tests, co-curricular and extra-curricular activities at the start of the academic session. The academic calendar is communicated to the students and faculty through CMS and the college website well in advance.
- After the allocation of course/s to faculty, the academic file for each subject is prepared consisting of the detailed lesson plan in line with the academic calendar.
- HoDs closely supervise and monitor the completion of the syllabus in accordance with the lesson plan prepared by faculty members. Each CIE's syllabus coverage is determined well in advance. Internal assessment examinations, assignments, quizzes, and technical seminars are scheduled according to the academic calendar.
- The co-curricular and extra-curricular events, as well as guest lectures and industrial visits, are arranged according to the academic calendar, and a compliance report is prepared at the end of the semester.
- The director and principal, through the academic committee meetings, frequently review the semester's progress and provide suitable suggestions. In case of revision of the academic calendar by the university, the institute incorporates the necessary changes accordingly.

File Description	Documents
Upload relevant supporting documents	View File
Link for Additional information	https://www.bnmit.org/calendar-of-events/

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year.
Academic council/BoS of Affiliating University
Setting of question papers for UG/PG programs
Design and Development of Curriculum for Add on/ certificate/ Diploma Courses
Assessment /evaluation process of the affiliating University

A. All of the above

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

09

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	View File
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement

for year: (As per Data Template)

12

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

597

1.2.3.1 - Number of students enrolled in subject related Certificate or Add-on programs during the year

597

File Description	Documents
Any additional information	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

Through nature club, T5, TW5, and WP5 programs, our institution arranges events for students and staff to enhance professional ethics, awareness of gender equality, human values, environmental preservation, and sustainability.

- The nature club allows students to break free from their everyday routines and experience life in the simplicity and beauty of mother Earth. The Earth Mother festival, SRISHTI SAMBHRAMA, is celebrated at BNM Institute of Technology to bring awareness about the need for conservation of natural resources and also to recognize people in such activities for working beyond their call of duty. Each year, we focus on a different element of Mother Nature, and this year's theme is

"Sacred Earth- Our Home."

- T5, TW5, and WP5 programs are designed to develop the overall personalities of the students. The human value component is an integral part of this program which acts as an anchor, develops self-awareness and sensitivity, feeling of equality, compassion and unity, concern for nature and society, and character to follow through.
- Webinars ("Managing one's emotional wellbeing", "Social Responsibility as a Citizen of India" "Gender Bias and Gender Equality" and "Importance of Good Health for Better Life" are organized for students and faculty to keep them physically and intellectually healthy, as well as to promote gender equality and social responsibility.

File Description	Documents
Any additional information	View File
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum	View File

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year**13**

File Description	Documents
Any additional information	View File
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View File
MoU's with relevant organizations for these courses, if any	View File
Number of courses that include experiential learning through project work/field work/internship (Data Template)	View File

1.3.3 - Number of students undertaking project work/field work/ internships

1050

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni

A. All of the above

File Description	Documents
URL for stakeholder feedback report	View File
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	View File
Any additional information(Upload)	View File

1.4.2 - Feedback process of the Institution may be classified as follows

A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://www.bnmit.org/wp-content/uploads/2021/11/Student-Satisfaction-Survey-2020-21.pdf

TEACHING-LEARNING AND EVALUATION**2.1 - Student Enrollment and Profile**

2.1.1 - Enrolment Number Number of students admitted during the year

593

2.1.1.1 - Number of sanctioned seats during the year

702

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats))**2.1.2.1 - Number of actual students admitted from the reserved categories during the year**

94

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

The performance of the student in the semester-end exam and internal assessments is chosen as the metric for grouping of students.

- At the start of every academic semester, the results of recent semester examinations are analyzed to identify students with <60% total marks, and such students are listed as slow learners. Also, internal assessment marks during the semester is monitored and students with <60% marks in any subject are listed as slow learners. The top 10 performers in the semester-end examination from each semester are selected and listed as advanced learners.
- The list of identified slow learners and advanced learners is circulated among course teachers and student counselors for monitoring. Remedial classes are arranged for slow learners and their academic performance is monitored by the counselors.
- The effectiveness of the process to assist slow learners is measured through student performance in the ensuing semester-

end examination and an action plan for improvement is proposed and implemented if necessary.

- Advanced learners are encouraged to present technical papers, take up internships, participate actively in mini projects and Industrial Entrepreneurship Development Cell (IEDC) activities. Consistent performers with $\geq 90\%$ marks in university examinations are awarded gold medals at the institute level.

File Description	Documents
Link for additional Information	https://drive.google.com/file/d/1DOHML3yfPZMZk4EekRsQPWLNG2YFSRtr/view?usp=sharing
Upload any additional information	View File

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
2152	151

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

The teaching-learning process is made learner-centric by adopting outcome-based education processes and evaluation methods.

- Innovative practices are adopted by faculty to develop interactive and collaborative learning among the students. Innovative teaching practices include Flipped classrooms, Model Building, Crosswords, Storytelling, Roleplay, Case Study discussions, Project-based learning, Experimental learning, etc.
- BNMIT looks beyond the curriculum to encourage students, to develop their innovative skills and prepare students for a successful academic career with initiatives such as Experiential Learning Lab (ELL), Innovative Project Lab (IPL), Engineering Exploration Lab (EEL), Skill development Programmes (SDP) and personality development programs.

- The EEL course provides exposure to different domains of engineering and enables students to engage in multidisciplinary projects.
- To develop a holistic outlook in the students, personality development programs such as T5, TW5, and WP5 are conducted. This program instills communication, presentation, and leadership skills.
- The IPL nurtures students' creativity and energies them into idea conceptualization, design, and implementation of solutions to societal issues. Selected projects are converted into product prototypes under the guidance of the ED cell.
- Placement training programs are organized regularly which includes aptitude training, training on communication, building leadership skills, group discussions, mock interviews, company-specific mock tests, career counseling, opportunities for higher studies abroad.

File Description	Documents
Upload any additional information	View File
Link for additional information	https://www.bnmit.org/information-science-engineering/innovative-initiation/ , https://www.bnmit.org/department-of-training-placement/department-overview/

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

In BNMIT, the classrooms are ICT-enabled with projectors installed, and the campus is enabled with a Wi-Fi connection. The faculty at BNMIT use various ICT enabled tools to enhance the quality of teaching-learning like

- Teachers record videos of their theory and laboratory courses being taught. through VRoom BNMIT E-learning platform
- At least one classroom per department is enabled with Interactive whiteboards/ smartboards.
- Teachers make use of the Microsoft Teams platform for the conduction of online classes.
- Teachers make use of I-Scribe Digital Writing pads for online and blended classes
- Teachers use Powerpoint Presentations and video streaming
- Codetantra E-learning platform is effectively used to manage and post course-related information and learning materials,

conduct quizzes, etc.

- Digital Library resources are provided to students 24/7, through the VTU consortium.
- Hands-on experience using MATLAB/Python
- Online platforms such as Google Forms, Easyclass, Kahoot, Flubaroo, and Powtoon are regularly used by teachers.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	https://www.bnmit.org/information-science-engineering/innovative-initiation/

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

151

File Description	Documents
Upload, number of students enrolled and full time teachers on roll.	View File
Circulars pertaining to assigning mentors to mentees	View File
mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers against sanctioned posts during the year

151

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	View File
List of the faculty members authenticated by the Head of HEI	View File

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)**2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year****69**

File Description	Documents
Any additional information	View File
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year(Data Template)	View File

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)**2.4.3.1 - Total experience of full-time teachers****1382**

File Description	Documents
Any additional information	View File
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

- Three internal assessments are conducted during the 6th, 12th, and 15th weeks of the semester and marks scored by the students are communicated to the university after the last working day.
- These tests are scheduled and conducted by a separate team formed and is assisted by department level IA coordinators, monitored by the respective HoD, Principal, Dean, and Director. IA question papers are prepared by the course teacher along with a detailed scheme of evaluation. Each question is mapped to a relevant Course Outcome along with an

appropriate Bloom's Cognitive Level.

- The question paper is scrutinized by the course coordinator for quality and is later approved by the HoD. After the completion of IA, the scheme of evaluation and the answer scripts are shared with the students for fairness of evaluation. Any grievance in this regard will be addressed by the course teacher and escalated to the HoD if necessary.
- As part of the internal assessment of Internships, projects, and seminars, a committee is formed at the department level consisting of HoD and senior faculty for the continuous assessment of the students as per the rubrics defined for the purpose.
- During the pandemic, the internal assessment for the academic year 2020-21 was carried out online using Hiremee and Microsoft Teams platforms.

File Description	Documents
Any additional information	View File
Link for additional information	https://drive.google.com/file/d/11flNqrIDr_sL8vy9leWlZwwZT3rkSfJe/view?usp=sharing

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

College level:

- Grievances with respect to internal assessment evaluation are clarified by the concerned course teacher within a week after the completion of internal assessments.
- Course teacher displays internal assessment answer books along with a scheme of evaluation to all the students in the class and clarifies students' doubts if any.
- If the grievance cannot be addressed by the course faculty, the student has the option to take it up with the Head of the Department.
- Discrepancies if any are treated and addressed depending on the nature of the problem.
- Grievances of any nature can also be shared with the counselors on a one-to-one basis. An exclusive student grievance redressal cell is also functional in the college.

University Level:

- The college provides support to students with respect to the

grievances in university exams evaluation (revaluation) and other administrative discrepancies at the university level.

File Description	Documents
Any additional information	View File
Link for additional information	https://drive.google.com/file/d/1jEfNHTOqyP3LvIib4dp04r1hXaEX90eM/view?usp=sharing

2.6 - Student Performance and Learning Outcomes

2.6.1 - Teachers and students are aware of the stated Programme and course outcomes of the Programmes offered by the institution.

- National Board of Accreditation (NBA) has defined Program Outcomes (POs). The POs are widely propagated and publicized through various means such as display and/or communication to students specified hereunder.
1. Institute website -<https://www.bnmit.org/mechanical-engineering/b-e-in-me/>
 2. Orientation program during the first-year inauguration
 3. College magazines
 4. College management software (CMS)
 5. Department newsletter
 6. Classrooms, laboratories, and staffrooms
 7. Lab records, lab manuals, assignment,s and I.A. books
 8. Notice boards of college and hostels
 9. HoD e-mail signature
 10. Library
- In compliance with the POs, course outcomes (COs) are prepared considering the course content for all the courses. Further by adding an additional topic/content for each course apart from the university syllabus, course outcomes are prepared to address higher program outcomes prior to the commencement of the academic semester.
 - The Course Outcomes are communicated to the students during the introduction class along with the lesson plan. During the commencement of each unit and after the completion of the unit, the course outcomes are reviewed.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://www.bnmit.org/computer-science-engineering/mission-vision-cse/
Upload COs for all courses (exemplars from Glossary)	View File

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

The performance of the students in each course is used to compute the level of attainment of the POs and PSOs through the mapping of questions to COs and COs to POs and PSOs. using direct assessment methods (Internal assessments, external assessments, project viva voce, internship, and technical seminar) and indirect assessment methods (skill development program, alumni survey, program exit survey, and employer survey).

- Attainment levels for internal assessment are defined as:

Level 3 - 70% students should have scored $\geq 60\%$ of maximum marks

Level 2 - 60% students should have scored $\geq 60\%$ of maximum marks

Level 1 - 50% students should have scored $\geq 60\%$ of maximum marks

- Attainment levels for external assessment are defined as:

Level 3 - 70% students should have scored $\geq 50\%$ of Maximum Marks

Level 2 - 60% students should have scored $\geq 50\%$ of Maximum Marks

Level 1 - 50% students should have scored $\geq 50\%$ of Maximum Marks

- The overall results from the assessments (80% weightage for direct assessments and 20% weightage for indirect assessments) of the PO are compared with the expected attainment. The PO is

considered satisfied with the attainment of the expected level.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://drive.google.com/file/d/1R9FhrMuXtYOa8xuNbAC1rKPjzc9qZZwm/view?usp=sharing

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

546

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	https://drive.google.com/file/d/1UGnIsH6LX2MKPueLo0_S7FggxaFBJt-w/view?usp=sharing

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

<https://www.bnmit.org/wp-content/uploads/2021/12/Student-Satisfaction-Survey-2020-21-1-1.pdf>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

334.24

File Description	Documents
Any additional information	View File
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.2.1 - Number of departments having Research projects funded by government and non-government agencies during the year

6

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	View File
Supporting document from Funding Agency	View File
Paste link to funding agency website	http://vgst.in/downloads/K-FIST%20L1_18_19.pdf

3.1.3 - Number of Seminars/conferences/workshops conducted by the institution during the year

3.1.3.1 - Total number of Seminars/conferences/workshops conducted by the institution during the year

46

File Description	Documents
Report of the event	View File
Any additional information	View File
List of workshops/seminars during last 5 years (Data Template)	View File

3.2 - Research Publications and Awards

3.2.1 - Number of papers published per teacher in the Journals notified on UGC website during the year**3.2.1.1 - Number of research papers in the Journals notified on UGC website during the year**

88

File Description	Documents
Any additional information	View File
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.2.2 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year**3.2.2.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings during the year**

23

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

3.3 - Extension Activities

3.3.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

Institution strongly believes that giving something back to society is a part of its social responsibility and in this regard, regular activities are conducted for the holistic development of the students making them better citizens of the country.

- Faculty and students in collaboration with other organizations participate in carrying out many social outreach programs, mentioned below:
- As a part of the AICTE activity points program, students from underprivileged backgrounds in the rural areas were educated about digital literacy and Swatch Bharath by the UG students of BNMIT.
- During a pandemic, the staff of BNM Group under the Teacher to

Teacher program donated 1104 provision kits for distribution to the teachers and other staff of private schools in surrounding areas who have not received salaries.

- Every year about 600 units of blood are collected through Blood Donation Camp
- Tree plantation activity is regularly organized on world environmental day
- Online awareness campaign on fitness under Fit India Freedom Run was organized
- Drawing competition under Swatch Bharath was organized
- Constitution pledge, essay writing, poster making, cleanliness drive under Constitution Day Youth Club activities
- Under Aatma Nirbhar Bharat Abhiyan, online pledge and awareness is created among students by writing blogs and creating videos.
- During the COVID period, students and staff volunteers of BNMIT in collaboration with Adhmya Chetana and Swami Vivekananda Shreshta Bharata Pratistana, have worked relentlessly in the preparation and distribution of food to the poor and needy families, Doctors, Nurses, support staff of hospitals, Police, staff of electricity board, Water supply board, Mahanagara Palike and also daily wagers and migrant workers of south Bangalore. Every day about 10,000 lunch meal packets, 500 Nandini Milk sachets, and 1000 cream bun packets were distributed by the Management through these volunteers.

Our management is magnanimous, every year huge donations are given to various orphanages, old age homes, and hospitals to serve the underprivileged and needy. Few service activities of our Management, during the last two years

- Two dialysis machines worth 6 Lakhs are given to Krishna Sevashram Hospital, Jayanagar 5th Block, and another to a dialysis center in N R Colony.
- An automatic X-ray and printing machine worth 6 Lakhs was given to Shiridi Sai Hospital, Cambridge Layout, Bangalore.
- Our management has established a COVID testing center worth 16 Lakhs at Jaydeva Institute of Cardiology, Bangalore.
- An Ambulance was donated to Kyasaraguppe Village of Bannerghatta to serve the poor and needy.
- A ventilator unit worth 10.5 Lakhs has been donated to Vasavi Hospital, Kumaraswamy Layout, Bangalore.

Apart from this, every year various NGOs, Orphanages, and old age homes are given equipment and furniture based on their requirements and request. Notable organizations which received such facilities

include Kidwai Cancer Care Hospital and Nimhans, Bangalore.

File Description	Documents
Paste link for additional information	https://www.thehindu.com/news/cities/bangalore/jayadeva-gets-a-covid-19-lab-for-its-patients/article31789488.ece
Upload any additional information	View File

3.3.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.3.2.1 - Total number of awards and recognition received for extension activities from Government/ government recognized bodies during the year

7

File Description	Documents
Any additional information	View File
Number of awards for extension activities in last 5 year(Data Template)	View File
e-copy of the award letters	View File

3.3.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.3.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

14

File Description	Documents
Reports of the event organized	View File
Any additional information	View File
Number of extension and outreach Programmes conducted with industry, community etc for the last year (Data Template)	View File

3.3.4 - Number of students participating in extension activities at 3.3.3. above during the year**3.3.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year**

212

File Description	Documents
Report of the event	View File
Any additional information	View File
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.4 - Collaboration**3.4.1 - The Institution has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research etc during the year**

8

File Description	Documents
e-copies of linkage related Document	View File
Details of linkages with institutions/industries for internship (Data Template)	View File
Any additional information	View File

3.4.2 - Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the year**3.4.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. during the year**

17

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	View File
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

- The institution has provided ICT enabled classrooms/laboratories, state of the art facilities in laboratories to students with advanced industrial-grade software, computers, peripherals, electrical, electronic, and mechanical equipment which are regularly maintained and upgraded as per the requirements of the affiliating University which is monitored by the Local Inquiry Committee of VTU every year.
- However, each department assesses the additional requirements every year which is placed before the Governing Council and budget provision is made for the same. New equipments are added to the laboratories as and when required.
- The number of classrooms, laboratories, books, computers and internet bandwidth, and other infrastructure are higher than the requirement as prescribed by AICTE.
- The college houses 03 seminar halls and an auditorium (with 900 seating capacity) to accommodate huge gatherings during workshops, conferences, symposia, and other technical events and competitions.
- The campus has 500 Mbps 1:1 leased line internet bandwidth with a Wi-Fi facility (56 access points).
- Engineering Exploration lab and Experiential learning lab are introduced for the students to enhance multidisciplinary skill sets.
- Library and information centre stocks 48317 volumes of text and reference books apart from over 88 research journals/periodicals in print form. All the e-resources subscribed through VTU Consortium have been integrated into the online portal. (i.e. IEEE, Springer, ScienceDirect,

Proquest Engineering, Proquest Management, Taylor & Francis, Knimbus Digital library and Knimbus Remote access, Emerald insight, New Age International, Packt, Sententia, Turnitin).

- Discussion rooms and dedicated facilities for Training and Placement are provided to enhance the learning experience of students on the campus.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.bnmit.org/computer-science-engineering/ , https://www.bnmit.org/electronics-communication-engineering/ , https://www.bnmit.org/information-science-engineering/ , https://www.bnmit.org/electrical-electronics-engineering/ , https://www.bnmit.org/mechanical-engineering/ , https://www.bnmit.org/mba/ , https://www.bnmit.org/department-of-physics/ , https://www.bnmit.org/department-of-chemistry/ , https://www.bnmit.org/artificial-intelligence-machine-learning/facilities/ , https://www.bnmit.org/library-information-centre/

4.1.2 - The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

- The Cultural Club (Kalabhageerathi) identifies and nurtures inherent talent among students and provides a platform to exhibit their skills in various forms of art. The facilities provided include a well-equipped audio-video studio for recording, musical instruments (Tabla, Rhythm Pad, piano, Keyboard, etc.) and A well-equipped auditorium (seating capacity of 900), and 03 seminar halls for practice and performance.
- BNMIT provides indoor as well as outdoor sporting facilities. The indoor facility includes badminton, table tennis, yoga, chess, carom, squash court, and a well-equipped gymnasium.
- The outdoor sporting facility includes a ground with courts for playing Throwball, Kabaddi, Basket Ball, Tennis, Volleyball, and Kho-Kho.
- Institute has a tie-up with other organizations for using sports facilities like cricket and football.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.bnmit.org/sports/ , https://www.bnmit.org/students-life/cultural-kala-bhageerathi/

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

45

4.1.3.1 - Number of classrooms and seminar halls with ICT facilities

45

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://drive.google.com/drive/folders/1JS0_Kt72u6RCNfjMqMDtQ2CyqvylEObY?usp=sharing
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

230

File Description	Documents
Upload any additional information	View File
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

- Sri. N. Raghunath Rao Maanay Library and Information Centre at BNMIT has an automated Library Management System Software through Bar-Code Interface and Web OPAC facility. The Digital Signature Pad is the unique one in its Circulation Section to obtain a signature on every document that is being issued to its members.
- All the documents have been classified as per AACR II of Dewey Decimal Classification (DDC) and systematically shelved for Open Access.
- The Digital Library is set up by using open source Dspace Software to access the Institutional Repositories like e-books, e-journals, previous year question papers, news clippings, faculty publications, etc. by the students and the members of staff.
- The Library and Information Centre has the CMTI Library and IIM-B Library Membership enabling students and faculty members to refer to the other members of the libraries for additional information for their research/projects.
- BNMIT-NDLI Club (National Digital Library of India, IIT, Kharagpur) has been set up to enable our students and faculty members to register and participate in the local and global events being conducted through NDLI Club periodically. As a member of the club, users can access a wide range of 7+ Crore online resources from its repository.
<https://club.ndli.iitkgp.ac.in/club-home>.

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	https://www.bnmit.org/library-information-centre/

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources

A. Any 4 or more of the above

File Description	Documents
Upload any additional information	View File
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

24.61282

File Description	Documents
Any additional information	View File
Audited statements of accounts	View File
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)

4.2.4.1 - Number of teachers and students using library per day over last one year

93

File Description	Documents
Any additional information	View File
Details of library usage by teachers and students	View File

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

- BNMIT has well equipped IT facilities with high end configurations working in fully networked environment. Computer labs are well-equipped with branded PCs adequately supported by internet connectivity. The systems are equipped with a wide range of licensed system software and application

software.

- The internet connectivity of 500 Mbps (250 Mbps Primary and 250 Mbps Secondary) with 1:1 bandwidth is provided in the campus.
- The institute has a total of 848 computers. Each PC has full access to internet.
- The entire campus is connected with LAN and Wi-Fi connectivity. 56 Wi-Fi access points are available at various locations on the campus
- The campus is well connected with intercom facilities across all the departments.
- IT Facilities are updated periodically (ex: computers, software, electronic equipments) to meet the growing and changing needs of the institute. Also, new IT equipments have been purchased as per the requirements.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://drive.google.com/file/d/1HVAQK8Iwu7MUVEExt2ffsfmE8oSWe7n2t/view?usp=sharing

4.3.2 - Number of Computers

848

File Description	Documents
Upload any additional information	View File
Student – computer ratio	View File

4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

File Description	Documents
Upload any additional Information	View File
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)**4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)****1255.05**

File Description	Documents
Upload any additional information	View File
Audited statements of accounts.	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Proper systems and processes are ensured in expanding the budgets in creating and maintaining a state of the art facilities in terms of establishing an adequate number of classrooms, laboratories, teaching aids, and learning resources, indoor and outdoor sports facilities, Gymnasium, etc., to enhance the overall student experience at our institution. Preventive / Routine maintenance is handled by the respective department technical staff. All IT Services are managed internally with some minor external vendors. Apart from the perpetual licenses the other software are regularly renewed with the respective vendors. Well-defined policies and procedures are in place for maintaining and utilizing physical, academic, and support facilities - laboratory, library, sports complex, computers, classrooms, etc.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.bnmit.org/bnmit-policies/

STUDENT SUPPORT AND PROGRESSION**5.1 - Student Support****5.1.1 - Number of students benefited by scholarships and free ships provided by the**

Government during the year**5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year**

668

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	View File
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year**5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year**

21

File Description	Documents
Upload any additional information	View File
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

**5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills
Language and communication skills Life skills
(Yoga, physical fitness, health and hygiene)
ICT/computing skills**

A. All of the above

File Description	Documents
Link to institutional website	https://www.bnmit.org/ncc-in-student-life/
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

File Description	Documents
Any additional information	View File
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

A. All of the above

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	View File
Details of student grievances including sexual harassment and ragging cases	View File

5.2 - Student Progression**5.2.1 - Number of placement of outgoing students during the year****5.2.1.1 - Number of outgoing students placed during the year****321**

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File

5.2.2 - Number of students progressing to higher education during the year**5.2.2.1 - Number of outgoing student progression to higher education****33**

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	View File
Details of student progression to higher education	View File

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)**5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year****40**

File Description	Documents
Upload supporting data for the same	View File
Any additional information	View File

5.3 - Student Participation and Activities**5.3.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one)**

during the year

5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.

01

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

- Students represent in Internal Quality Assurance Cell (IQAC) and Department Advisory Board (DAB) meetings as members and give their valuable suggestions/feedback for improvement in curriculum.
- Students represent as members in various committees of the college viz., an anti-ragging committee which plans out ways and means to facilitate the smooth transition of the freshers to a professional program and mentoring cell, etc.
- Each student is an active member of one of the professional society/student chapters/branch namely IEEE, ISTE, IEI (India), CSI, and BITES.
- Students are actively involved in the BNM Friends of Nature club, cultural club, NCC, Red cross, and NSS activities of the institute. Nature Club, NCC, Redcross, and NSS units of the institute conducts environmental awareness and societal benefit programs such as annual Srishti sambhrama program, blood donation camp, tree Planting, documentary shows on Flora, and fauna, plastic-free awareness program, swachh bharath abhiyaan, sadhbhavana diwas, etc.
- Students' talents in dance, drama, music, and performing arts are encouraged through the "Kala Bhageerathi" cultural club of BNMIT.

File Description	Documents
Paste link for additional information	https://www.bnmit.org/students-life/
Upload any additional information	View File

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

17

File Description	Documents
Report of the event	View File
Upload any additional information	View File
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

- The first batch of students was instrumental in starting the BNMIT Alumni Association in 2005 with a membership of over 200. As of today, there are 6000 members in the alumni association.
- BNMIT Alumni have been part of placement drives in college, by either representing their company or being entrepreneurs, they have offered jobs for the students or provided opportunities to carry out internships.
- Apart from, Annual Alumni Meet, there are various activities through which BNMIT Alumni contribute to the institution. Under the BNMIT Alumni Series initiative, a series of talks and interactive sessions with alumni were organized for third-year B.E. students, with the goal of guiding students to choose their future path, be it in higher education and

research or even choosing the path of their careers. These talks by alumni also introduced students to the latest trends & technologies, work culture at industries, work ethics, self-learning, financial and investment management.

- Mock Interviews were conducted by alumni to third-year students to guide them for their placements. Connect Alumnus is another program where alumni have given a series of webinars to first-year students as part of their induction programme.

File Description	Documents
Paste link for additional information	https://www.bnmit.org/bnmit-alumni/
Upload any additional information	View File

5.4.2 - Alumni contribution during the year (INR in Lakhs)

E. <1Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

Vision

To be one of the Premier Institute of Engineering and Management education in the country.

Mission

- To provide Engineering and Management education that meets the needs of human resources in the country.
- To develop leadership qualities, team spirit and concern for environment in students.

The institution intends to bring out engineers and managers with the following distinctive characteristics of mission statements

- Quality human resource to meet the needs of industries

- Leadership qualities
- Team spirit
- Concern for environment
- Core Indian cultural values

The mission statements map to program outcomes of NBA and program outcomes are mapped to course outcomes of the courses taught in all the semesters. Faculty members write course objectives and outcomes and are circulated to all the students in advance. The course outcomes are evaluated at the end of each semester and are mapped to program outcomes at the end of the program. This is supported by indirect mappings such as course exit survey, alumni survey, employers' survey, and program exit survey. The departments follow the well-defined teaching-learning processes and assessment mechanisms to arrive at the attainments. The departments have an advisory board, program assessment, and audit committee, scrutinizing committee, and many more to ensure the proper delivery of the course content and assessment. Till 2020-21 we were following the curriculum set by the university as an affiliated Institution and from the academic year 2021-22, we have become autonomous and are in the process of preparing our own syllabus which is being designed involving all the stakeholders to cater to the needs of the Industry. Now we have different committees at different levels to ensure the vision of the Institution is achieved through the mission statements. Each department has its own BOS comprising senior faculty of the department, representatives from industry, academia, and University, where the curriculum is prepared to keep in mind the model curriculum of AICTE, curriculum offered at reputed Institutions, and needs of the Industry. Thus prepared curriculum will be put forth before the Academic Council comprising senior faculty and heads of the department, representatives from industry, academia, and University and management. The final curriculum will be presented before the Governing Body comprising the comprising two senior faculty of the Institute, representatives from industry, academia, and University, State Government, UGC, and management with Trustee and Secretary as Chairman. The Academic Council and the Governing Body are also responsible for ensuring quality teaching-learning, inclination towards research, entrepreneurship, development of infrastructure, and recruitment/retaining of quality teachers and supporting staff.

The Management and Administration provide adequate freedom to faculty in strengthening the teaching-learning process, academic advancement, nurturing ethics and social responsibilities. Any suggestions from the lowest level are conveyed to the next higher level consisting of Director, Additional, Director Principal, and

Dean at regular intervals, and suitable action plans are prepared. Those topics that need the attention of the top management are taken to the Governing council, now Governing Body, whose decision is passed on to the lower level for implementation.

The above setup ensures that the governance of the institution is reflective of and in tune with the vision and mission of the institution.

File Description	Documents
Paste link for additional information	https://www.bnmit.org/our-vision-and-mission/
Upload any additional information	View File

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

The management has delegated the decision-making responsibilities in daily operations to the Principal and HODs. Major decisions in framing policies concerning the Institution are taken by the top management through the feedback of stakeholders. The institution has been granted Autonomous status by UGC, New Delhi. The various functions that are delegated include Teaching-Learning Process, Academic aspects, Research and Development, Innovation, Entrepreneurship Development, Faculty Empowerment, Student counseling, 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,. 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 / Governing Body Meeting
- Academic Council & Board of Studies (2021-2022)
- 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)
- Alumni Meeting
- Parents Teachers Meeting
- Students Counsellors Meeting
- College Faculty Meeting

File Description	Documents
Paste link for additional information	https://www.bnmit.org/wp-content/uploads/2021/12/Administrative-set-up.pdf
Upload any additional information	View File

6.2 - Strategy Development and Deployment**6.2.1 - The institutional Strategic/ perspective plan is effectively deployed****Blended learning and assessment:**

- Academic Year: 2020-21
- Goals/Objective of method: Effective teaching learning and assessment

Description of the method:

2020-21 being the pandemic year, Institution has taken lot of measures to ensure effective course delivery and safety of the students and faculty. To ensure effective course delivery, apart from regular online / offline classes, three dedicated studios have been set up on campus for the video recording of various courses. The recorded videos, learning materials, quizzes, and so on were made available 24/7 to the students, online via the e-learning platform Vrook. Similarly, assessments were conducted offline as well as online (through the platforms Hiremee and Code Tantra).

Benefits of method:

- Easy to access content 24/7.
- Opportunity for self-study
- Effectiveness of method: Students, particularly slow learners, were able to grasp concepts significantly better after seeing recorded videos multiple times.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://online.vrook.co/
Upload any additional information	View File

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

The functioning of the following Institutional bodies is effective and is visible through the existence of Policies listed below:

Institutional Bodies:

1. Governing Council / Governing Body
2. Academic Council
3. Finance Committee
4. Board of Appointment
5. Board of Studies
6. Board of Examination
7. IQAC
8. Planning and Evaluation Committee
9. Academic Audit Committee
10. Admission Committee
11. Library committee
12. DAB
13. PAAC

And other committees include Grievance Redressal Cell, Student welfare & Anti Raging, ICCG, SC/ST/OBC Cell, Sports / NSS / NCC / Self Defence, and Cultural Committee.

The Roles and Responsibilities of the major Institutional Bodies is available in the document reference VTU/PS/2021-22/554 dated 04-05-2021 (available on the VTU website)

Policies

Staff:

- Service Rules
- General Policy for consultancy and projects

- Recruitment and promotion policy
- Financial Power
- Purchase Policy
- Recognition and appreciations
- Financial Assistance
- Faculty Performance Evaluation
- Incentives Policy
- Research policy
- Medical fund and reimbursement policy
- Staff Insurance: Staff are insured for eligible gratuity amount
- Academic & Administrative Process Book

Student:

- Admission Policy
- Academic Policy
- Examination Policy
- Placement Policy
- Scholarships
- IPL Policy
- Skill Development Program Policy
- PE Classes
- Student Insurance

File Description	Documents
Paste link for additional information	https://vtu.ac.in/wp-content/uploads/2021/05/NOTIFICATION-05112021134741.pdf
Link to Organogram of the Institution webpage	https://www.bnmit.org/wp-content/uploads/2021/12/Administrative-set-up.pdf
Upload any additional information	View File

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	View File
Screen shots of user interfaces	View File
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

Teaching:

- Provident fund and gratuity schemes are extended to all the staff as per the 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. Teachers are allowed to take reduced workloads during the critical stage of their Ph.D. 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-appraisal rating of 90 percent and above.
- Reserved medical funds for emergency medical expenses.
- Insurance on complete gratuity amount.

Non Teaching:

- Provident fund and gratuity schemes are extended as per the government norms.
- Leave benefits like casual leave, earned leave, maternity leave, study leave, sick leave, etc. as per the Institute norms.
- Reserved medical funds for emergency medical expenses.
- Insurance on complete gratuity amount.

File Description	Documents
Paste link for additional information	https://www.bnmit.org/bnmit-policies/
Upload any additional information	View File

6.3.2 - Number of teachers provided with financial support to attend conferences/ workshops and towards membership fee of professional bodies during the year

6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year

8

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

9

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	View File
Reports of Academic Staff College or similar centers	View File
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

101

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	View File
Upload any additional information	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

The performance of each teaching and non-teaching staff is measured through self-appraisal that includes all aspects of teaching-learning, research, consultancy, and other supporting activities.

- The college has evolved a faculty appraisal system that takes into account teaching, research; paper publications, sponsored projects, patents, and industry consultancy, student feedback, knowledge enrichment, other responsibilities such as counselor, sports, cultural activity, technical club, and cooperation of a faculty.
- Management supports faculty members by giving cash awards for high-quality publications and financial assistance for presenting papers at international conferences and performance appraisals greater than 90%.

Similarly, the performance of the non-teaching staff (Technical staff) are evaluated based on their punctuality, interaction with students and faculty, maintenance of lab equipments, records and files, responsibility towards work assigned, and knowledge enrichment (skill development) on regular basis.

- The teaching and non-teaching staff will be counseled by the

HoD, on the basis of the appraisal.

- A specific action plan will be evolved for the staff member to improve the performance. The complete process is done in a transparent way with the involvement of the concerned faculty and management.

File Description	Documents
Paste link for additional information	https://drive.google.com/drive/folders/lm81-GVA90lCpZNGS-y_ivo78h6fLD8aB?usp=sharing
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

Institution conducts internal and external financial audits regularly through authorized auditors.

File Description	Documents
Paste link for additional information	https://www.bnmit.org/wp-content/uploads/2021/02/BNMIT_19-20.pdf
Upload any additional information	View File

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

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

0

File Description	Documents
Annual statements of accounts	View File
Any additional information	View File
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	View File

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

BNMIT is a Self-financing institution. The main source of income is students fees.

Resource mobilization is also carried out by the following means:

- Students fees
- Interest on corpus fund
- Research grants are received from various government agencies.

Optimum utilization of funds is ensured through:

- Adequate funds are allocated and utilized for effective teaching-learning practices that include Orientation Programmes, Workshops, Inter-disciplinary activities, training programs, Refresher Courses that ensure quality education.
- Budget is utilized to meet day-to-day operational and administrative expenses and maintenance of fixed assets.
- Enhancement of library facilities needs to augment learning practices and accordingly, requisite funds are allocated and utilized every year.
- Adequate funds are utilized for the development and maintenance of the infrastructure of the Institute.
- Apart from the perpetual licenses the other software are regularly renewed with the respective vendors utilizing adequate funds.
- Some funds are allocated for social service activities as part of social responsibilities through Charities/ Donations NSS, NCC, Nature club activities, and scholarships.

File Description	Documents
Paste link for additional information	https://www.bnmit.org/wp-content/uploads/2021/02/BNMIT_19-20.pdf
Upload any additional information	View File

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Since its inception, IQAC has been performing the following tasks on a regular basis:

- Improvement in quality of teaching and research by regular inputs based on feedback received from all concerned stakeholders.
- Providing inputs for best practices in administration for efficient resource utilization and better services to students and staff.
- Providing inputs for Academic Audit and analysis of results for improvement in areas found weak

Two practices institutionalized as a result of IQAC initiatives for the academic year 2020-21 are

- Faculty appraisal format has been revised by including important attributes such as research, consultancy, patents, MoUs, Moocs Courses, innovative teaching practices, etc for the academic year 2020-21
- Enhancement of Industry-institute linkages through MOUs.
- IQAC appreciated our initiative regarding setting up of three studios and the implementation of blended learning especially online course delivery through Microsoft teams, google meets, etc., and usage of online platform Vrook for the delivery of video lectures during 2020-21.

File Description	Documents
Paste link for additional information	https://www.bnmit.org/industry-associations-memorandum-of-understanding/
Upload any additional information	View File

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

IQAC has been revised after BNMIT has been conferred autonomous status (as per norms)

The following incremental improvements at the Institution are recorded through IQAC.

1. Introduction of AIML subjects in all branches of Engineering:

IQAC suggested the inclusion of AIML subjects in all branches of engineering as these are important and in demand in Industry. Efforts are on to include these subjects in the curriculum from the academic year 2021-22 of the Autonomous batch.

2. Introduction of life skills, liberal and creative arts subjects under humanity.

The recommendation of IQAC to introduce life skills, liberal and creative arts subjects under humanities was accepted by the Board of Studies and Academic Council and have been introduced in the first year curriculum from the academic year 2021-22 of the autonomous batch.

3. About BNMIT branding

The suggestion of IQAC to brand BNMIT through social media platforms has been accepted and effectively implemented through Facebook, Instagram, and LinkedIn.

4. To introduce practical and project-based learning

IQAC's suggestion to introduce innovative teaching practices has culminated in the introduction of practical and project-based learning in the curriculum from the academic year 2021-22 of the autonomous batch.

5. Video recording of courses in association with VROOK during Pandemic:

IQAC appreciated the establishment of three dedicated studios on campus for the video recording of various courses for the academic year 2020-21. The recorded videos, learning materials, quizzes, and so on were made available to students via the Vrook E-learning

platform to facilitate learning at an individual pace and for easy access online 24/7. Recorded videos were helpful for slow learners to grasp concepts in a better way by watching recorded videos multiple times.

6. Appreciation for service activities at the Institute during a pandemic:

IQAC strongly appreciated the efforts of students and staff volunteers of BNMIT in collaboration with Adhmya Chetana and Swami Vivekananda Shreshta Bharata Pratistana, who have worked relentlessly in the preparation and distribution of food to the poor and needy families, Doctors, Nurses, support staff of hospitals, Police, staff of electricity board, Water supply board, Mahanagara Palike and also daily wagers and migrant workers of south Bangalore, during COVID period. Every day about 10,000 lunch meal packets, 500 Nandini Milk sachets, and 1000 cream bun packets were distributed by the Management through these volunteers.

File Description	Documents
Paste link for additional information	https://online.vrook.co/ , https://www.bnmit.org/information-science-engineering/innovative-initiation/
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://www.bnmit.org/naac-accreditation-bnmit/
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

Since 2020-21 was the pandemic year only one webinar on "Gender bias and Gender Equity" was held on 3rd June 2021, wherein 188 students participated.

Dr. Cynthia Menezes Prabhu, Dean, Faculty of Commerce, Professor, MBA-Bangalore University, delivered a webinar on Gender bias and Gender equality. Her presentation included facts and screening of videos related to gender discrimination. She discussed how women's roles are restricted to private spheres i.e. in households and men's to more public ones. In many rural houses, males are fed first and the left-overs are eaten by the females. She mentioned in her presentation that women, in general, find it difficult to reach their career goals due to a lack of childcare support. Also, the dropout rate in schools is much higher with girls. Such discrimination weakens the personality of women in general and they look upon themselves as inferior to men right from childhood. In her presentation, she mentioned that a better way to promote gender equality is by giving leadership roles to deserving candidates, irrespective of their gender. A better representation of women in leadership roles and equal pay improve gender equality at the workplace. The questions of the participants were satisfactorily addressed by the speaker. Overall the webinar was informative and motivated all toward gender equality. The feedback from participants is enclosed.

File Description	Documents
Annual gender sensitization action plan	https://drive.google.com/file/d/1RX8rZqT_PNdTlOi-GZK3ca8S3keZaDck/view?usp=sharing
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://drive.google.com/file/d/18BYA9uacIiKLiCg0IuINdNHjylh2nXY0/view?usp=sharing

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment

B. Any 3 of the above

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	View File

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

1. Solid and liquid waste management

BNMIT has a mechanism to segregate dry and wet waste generated in the campus including canteen and hostels and the segregated waste is disposed of through Bengaluru Bruhath Mahanagara Palike (BBMP) authorities as per norms.

2. E-waste management

BNMIT disposes of all the e-waste through authorized vendors for e-waste disposal as and when required.

3. Waste recycling system

Some of the wet waste generated on the campus is converted to manure through vermicomposting unit set up at the campus.

4. Hazardous chemicals and radioactive waste management

Hazardous and used chemicals at the chemistry laboratory are disposed of through authorized vendors as per norms.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geo tagged photographs of the facilities	https://drive.google.com/file/d/10Sa84tCGJytLwPzi6PRf7NulpFxpfiYd/view?usp=sharing
Any other relevant information	View File

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

C. Any 2 of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

- 1. Restricted entry of automobiles**
- 2. Use of Bicycles/ Battery powered vehicles**
- 3. Pedestrian Friendly pathways**
- 4. Ban on use of Plastic**
- 5. landscaping with trees and plants**

B. Any 3 of the above

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Any other relevant documents	View File

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following
1.Green audit 2. Energy audit
3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities

A. Any 4 or all of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	View File

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

B. Any 3 of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	View File
Details of the Software procured for providing the assistance	View File
Any other relevant information	View File

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

1. At BNMIT faculty and staff never discriminate against students based on caste, creed, color, gender, culture, ethnicity, and region. All are treated equally at all junctures during teaching-learning or otherwise.

2. Faculty and staff are educated on gender sensitivity and equality and on importance of being impartial in all the activities involving students and peer groups, during their induction program.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File
Any other relevant information	View File

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

Students are made aware of constitutional obligations: values, rights, duties, and responsibilities of citizens through a course in the curriculum - Constitution of India and Professional Ethics. Apart from this students are also instilled in life skills such as morality, responsibilities as a student, as a son/daughter, as a friend, as a citizen, and most of all, as a human.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	View File
Any other relevant information	View File

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students,

C. Any 2 of the above

teachers, administrators and other staff 4.
Annual awareness programmes on Code of Conduct are organized

File Description	Documents
Code of ethics policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	View File
Any other relevant information	View File

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

We celebrate national/international commemorative days like

1. **Independence Day**
2. **Ektha / Sadbhavana Diwas**
3. **World Unity day**
4. **Matrubasha diwas**
5. **World environmental day**
6. **Children's day**
7. **Teachers Day**

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	View File
Any other relevant information	View File

7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

Best Practice 1

2020-21 being the pandemic year Institution has adopted the following two best practices

1. Title of the Practice

Video lectures recording and dissemination and online assessment

2. Objectives of the Practice

- To make the teachers reach all the students via an online platform
- To assess students' performance via an online platform

3. The Context

2020-21 being the pandemic year, Institution has taken a lot of measures to ensure effective course delivery and safety of the students and faculty. To ensure effective course delivery, apart from regular online/offline classes, three dedicated studios have been set up on campus for the video recording of various courses. The recorded videos, learning materials, quizzes, and so on were made available 24/7 to the students, online via the e-learning platform Vrook. Similarly, assessments were conducted offline as well as online (through the platforms Hiremee and Code Tantra). About 1400 video lectures have been recorded and disseminated to the students via the Vrook platform.

4. The Practice

- Initially, making the teachers adapt to the online mode of teaching using online platforms was a challenge. But gradually both teachers and students got adopted the blended mode of teaching-learning. Initially, the zoom platform was used but later advanced platforms like Microsoft teams, google meet, and code tantra was extensively used.
- Internet availability, bandwidth, and remote geographic locations of students were critical issues for few students. Later they managed to access the internet by moving to the locations of internet availability.

5. Evidence of Success

Almost all the students were able to do well during the internals / external examinations.

6. Problems Encountered and Resources Required

Problems:

- It was not possible to capture video lectures for all the subjects
- It was difficult to handle laboratory classes

Resources:

- Establishment of studios for video capture
- Electronic writing pads and audiovisual equipment/laptops

Best Practice 2

2020-21 being the pandemic year Institution has adopted the following two best practices

1. Title of the Practice

- Social responsibilities and moral values

2. Objectives of the Practice

- To instill human values and a sense of social responsibility among staff and students
- To help covid affected people directly or indirectly during the pandemic

3. The Context

The sudden and surprising appearance of covid pandemic during March 2020

4. The Practice

During the COVID period, students and staff volunteers of BNMIT in collaboration with Adhmya Chetana and Swami Vivekananda Shreshta Bharata Pratistana, have worked relentlessly in the preparation and

distribution of food to the poor and needy families, Doctors, Nurses, support staff of hospitals, Police, staff of electricity board, Water supply board, Mahanagara Palike and also daily wagers and migrant workers of south Bangalore. Every day about 10,000 lunch meal packets, 500 Nandini Milk sachets, and 1000 cream bun packets were distributed by the Management through these volunteers.

Our management has established a COVID testing center worth 16 Lakhs at Jaydeva Institute of Cardiology, Bangalore.

An Ambulance was donated to Kyasaraguppe Village of Bannerghatta to serve the poor and needy.

A ventilator unit worth 10.5 Lakhs has been donated to Vasavi Hospital, Kumaraswamy Layout, Bangalore.

During the Covid pandemic, our management has reimbursed the medical expenses of 5 faculty and non-teaching staff members who were hospitalized in the ICUs.

5. Evidence of Success

The contribution of staff and students as covid warriors and generous donation of management as boosted the morale of all the staff and students of the Institution.

6. Problems Encountered and Resources Required

Problems:

- Initially, very few staff and students participated in the drive, motivation of staff and students to be covid warriors was a challenge.

Resources:

- Financial support from the management
- Access to kitchen and its accessories and manpower

File Description	Documents
Best practices in the Institutional web site	View File
Any other relevant information	View File

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

Proactive management, dedicated staff, supported by very well-established infrastructural facilities are the distinctive attributes of the Institution that have helped the Institution to achieve autonomous status by UGC, ranked by NIRF, and accredited by NBA (All the five eligible UG branches). BNMIT has been rated under the Diamond category by the QS world ranking.

Autonomy has provided BNMIT to frame a distinctive curriculum, comprising practical and project-based learning, experiential learning with a multi-disciplinary approach.

BNMIT has known for quality teaching, effective mentoring, concern for the environment, discipline, quality internships, sponsoring students to convert their innovative ideas into prototypes/products/projects through institutional/government funding.

File Description	Documents
Appropriate web in the Institutional website	View File
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

1. To prepare a world-class curriculum to mitigate the gap between industry and academia
2. To implement practical and project-based learning
3. To make teaching-learning fun rather than fear, using innovative teaching methods
4. To adopt and implement NEP guidelines especially choice based credit-based systems in an effective manner
5. To bring creative, liberal arts, sports, and life skills as a part of the curriculum
6. To instill in staff and students the value of research, innovation, and entrepreneurship, and to encourage the staff to practice the same.

NAAC