

B.N.M. Institute of Technology

An Autonomous Institution under VTU

1. Name of the Institution

BNM Institute of Technology

12th Main Road, 27th Cross, Banashankari 2nd Stage, Bengaluru - 560070 Telephone:+91-80-26711781, 782 Principal Mobile: +91-8105869067 Email: principal@bnmit.in

2. Name and address of the Trust/ Society/ Company and the Trustees

Bhageerathi Bai Narayana Rao Maanay Charities

12th Main Road, 27th Cross, Banashankari 2nd Stage, Bengaluru - 560070 Telephone:+91-80-26711781, 782

3. Name and Address of the Principal

Name of the Principal: Dr. Krishnamurthy G N

12th Main Road, 27th Cross, Banashankari 2nd Stage, Bengaluru - 560070 Telephone:+91-80-26711781, 782 Principal Mobile: +91-8105869067 Email: principal@bnmit.in

4. Name of the affiliating University

Visvesvaraya Technological University

JnanaSangama, VTU Main Rd, Machhe, Belgaum, Karnataka 590018

- 5. Governance
 - Members of the Board and their brief background -GOVERNING BODY https://www.bnmit.org/governing-body/
 - Members of Academic Advisory Body Academic Council <u>https://www.bnmit.org/academic-council/</u>
- Frequently of the Board Meeting and Academic Advisory Body

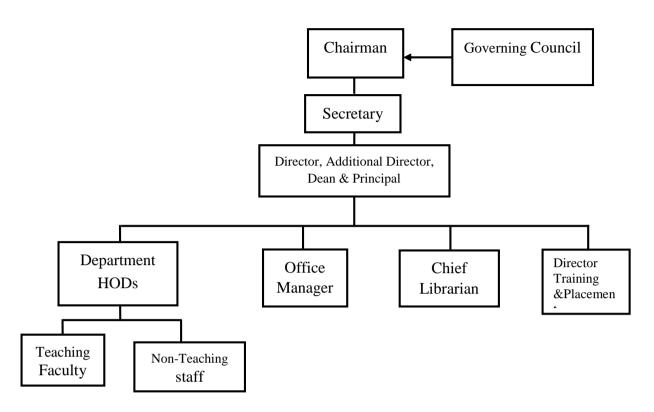
The Governing Body meets at least twice in an Academic Year. Academic Advisory Body meets at least twice in an Academic Year





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• Organizational chart and processes



Roles and Responsibilities:

Chairman is the chief mentor of BNMIT and also the head of the governing council. He will direct and approve all the policy matters related to the overall running of the institution.

Secretary is the Executive Trustee responsible for financial, academic and policy matters of the institution.

Director is vested with the following responsibilities.

- ✤ Management of the Institute
- Financial matters
- ✤ Chair the management review meeting

Additional Director is vested with the following responsibilities.

- Management of the Institute
- Research & Development

Dean is vested with the responsibility of Planning, Research & Development and Infrastructural Development.

Principal is vested with the following responsibilities

- Academic operations
- Resource requirements
- Responsible for meeting Statutory and Regulatory requirements of the Government, AICTE and University (VTU).
- * Responsible for financial matters of the Institution.

Director, Training and Placement is vested with organizing Training and Placement activities for students.

College Office staff:

- Assist principal in the process of admission of students
- Maintenance of student and staff records
- Advertising and recruitment
- Correspondence with University and other statutory agencies



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- Finance management; banking, insurance, purchase, PF, fee collection and other administrative matters.
- ✤ Infrastructure maintenance

Librarian is vested with responsibility of all necessary activities for maintaining and improving the Library. These include identifying and ordering books, reference material, journals, online resources, issue of resources and maintain record of their use.

Heads of departments are responsible for

- Smooth running of the concerned department
- ✤ Maintain records related to department
- Maintain laboratory
- ✤ Assign duties and monitor faculty performance
- Decide the departmental needs and arrange for compliance
- Monitor R&D and project activities of the department

Teaching staff are responsible for

- Teaching theory and practical subjects as per time table
- ✤ Act as student counselors and mentor them
- ✤ Maintain records as required for academic activity
- Conduct tests, examination and evaluate as per VTU norms
- Do other co-curricular and extracurricular activities assigned by the department
- Conduct R&D activities and undertake industrial/ sponsored projects
- Update technical knowledge and keep abreast with developments

Laboratory instructors and technicians:

- Maintain laboratory facility
- Help faculty in conducting laboratory classes
- Do other co-curricular activities assigned by the department

Department office staff:

- Help HoD & faculty in day to day operations
- Maintain department record
- Maintain department correspondence
- Nature and Extent of involvement of Faculty and students in academic affairs/improvements Faculty
 - Most of the faculty members are part of Board of studies and will actively participate in the preparation of curriculum and its implementation.
 - Faculty make use of innovative teaching practices for effective teaching learning.
 - Most of the faculty have completed their Ph.D./ at the stage of completion.
 - Almost all the faculty publish at least one research paper per year in reputed journals.
 - All the teachers are involved in the preparation of documents for NBA, NAAC and NIRF meticulously.
 - More than 95% of the staff get good feedback from the students and also very good rating in the appraisal.
 - Faculty are also involved in the design and implementation of curriculum beyond the syllabus like soft skills, Maker labs and mentoring innovative projects under NewGen IEDC.

Student –

- Student / Alumni representatives are part of Department Advisory Boards, Academic Council, IQAC and also various committees like anti ragging committee, Grievance redressal etc.
- Students evaluate faculty members on their teaching learning capabilities regularly.
- Students actively take part in organizing events, participate in competitions locally and also at inter-state levels both in academic and extra-curricular activities.
- Alumni regularly visit the institute to educate their juniors and update on the opportunities available to them.
- Students also give feedback through various surveys like course exit survey, program exit survey etc.
- Students actively participate in learning curriculum beyond syllabus and most of the students will also try to convert their innovative ideas into project / prototypes / products.



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Mechanism/ Norms and Procedure for democratic/ good Governance

https://www.bnmit.org/wp-content/uploads/2021/12/Academic-and-Exam-Rules-and-Regulations-Autonomous.pdf

https://www.bnmit.org/wp-content/uploads/2022/01/BNMIT-Policies-Dec-2021-final.pdf

- Student Feedback on Institutional Governance/ Faculty performance Feedback is taken at regular intervals
- Grievance Redressal mechanism for Faculty, staff and students <u>https://www.bnmit.org/grievance-redressal/</u>
- Establishment of Anti Ragging Committee <u>https://www.bnmit.org/anti-ragging/</u>
- Establishment of Online Grievance Redressal Mechanism https://www.bnmit.org/grievance-redressal/
- Establishment of Grievance Redressal Committee in the Institution and Appointment of OMBUDSMAN by the University

https://www.bnmit.org/grievance-redressal/

- Establishment of Internal Complaint Committee (ICC) https://www.bnmit.org/college-internal-complaints-committee/
- Establishment of Committee for SC/ ST

https://www.bnmit.org/sc-st-obc-cell/

• Internal Quality Assurance Cell

https://www.bnmit.org/internal-quality-assurance-cell-iqac/



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6. Programmes

• Name of Programmes approved by AICTE

Program – Engineering and Technology

Level	Course	Affiliating Body (University /Body)	Intake Approv ed For 2023-24
UNDER GRADUATE	COMPUTER SCIENCE AND ENGINEERING	Visvesvaraya Tech Nological University, Belgaum	180
UNDER GRADUATE	ELECTRONICS & COMMUNICATION ENGG	Visvesvaraya Tech Nological University, Belgaum	120
UNDER GRADUATE	ELECTRICAL AND ELECTRONICS ENGINEERING	Visvesvaraya Tech Nological University, Belgaum	60
UNDER GRADUATE	INFORMATION SCIENCE AND ENGINEERING	Visvesvaraya Tech Nological University, Belgaum	60
UNDER GRADUATE	MECHANICAL ENGINEERING	Visvesvaraya Tech Nological University, Belgaum	60
UNDER GRADUATE	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Visvesvaraya Tech Nological University, Belgaum	120
POST GRADUATE	COMPUTER SCIENCE AND ENGINEERING	Visvesvaraya Tech Nological University, Belgaum	18
POST GRADUATE	VLSI AND EMBEDDED SYSTEMS DESIGN	Visvesvaraya Tech Nological University, Belgaum	12
POST GRADUATE	MBA	Visvesvaraya Tech Nological University, Belgaum	120



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Name of Programmes Accredited NBA •

NBA Accreditation Status				
1 Name/ List of Programmes/ Courses Accredited	 Computer Science & Engineering Information Science & Engineering Electronics & Communication Engineering Electrical & Electronics Engineering Mechanical Engineering Extension of validity from 01-07-2022 till 30-06-2025 (3 years) https://www.bnmit.org/nba-accreditation-status-bnmit/ 			
2 List of Programmes not applied	 Artificial Intelligence and Machine Learning M.Tech in CSE and VLSI and MBA 			

NAAC Accreditation Status		
1 Accredited	A Grade https://www.bnmit.org/naac-accreditation-bnmit/	

For each Programme the following details are to be given: •

Name	Number of seats	Duration	Cut off ma admission three yea	during t		Fee (as approved by the state government)
AIML	120	4 years	CET	Comedk	Management	-
CSE	180	4 years	5 5232- 9111G55	4792- 100062	1028-307694	CET – Rs. 72,574/- Comedk – 2,37,706-
ECE	120	4 years	8073- 109039	11691- 67095	13810- 186323 G55	Rs.20,000/- other fees + University fees
EEE	60	4 years	25767- 165276	29032- 58275	46877- 300218	as per Consensual agreement + Rs.20,000/- Skill Development fee
ISE	60	4 years	9073- 83264	13495- 31101	16218- 170485	
ME	60	4 years	74210- 300525		87435- 194765	
M.Tech – CSE	18	2 years	PGCET - 10	533-4385		PGCET – 70050/- Rs.20,000/- other fees + University fees + Rs.20,000/- Skill Development fee



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M.Tech – VLSI	24	2 years	PGCET - 4240-5121	PGCET – 70050/- Rs.20,000/- other fees + University fees + Rs.20,000/- Skill Development fee
MBA	120	2 years	PGCET – 683 - 33985	MBA – 58500/- Rs.60,000/- other fees + University fees+ Rs.20,000/- Skill Development fee

Consensual Agreement :

https://hed.karnataka.gov.in/storage/pdf-

files/CONSENSUAL%20AGREEMENT%20KRLMPCA%202022-23.pdf

- Placement facilities <u>https://www.bnmit.org/department-of-training-placement/hiring-statistics/</u>
- Campus placement in three years with minimum salary, maximum salary and average salary. https://www.bnmit.org/department-of-training-placement/hiring-statistics/

7. Faculty

Course/Branch wise list Faculty members:

- Permanent Faculty : 155
- Adjunct Faculty: -- --
- Permanent Faculty: Student Ratio 1:16.63
- Number of Faculty employed and left during the last three year
 - Left 73, Joined -85

Sl. No.	Name of Staff	Designation
Electro	nics & Communication Engineering	
1	Dr. S Y Kulkarni	Addl. Director
2	Dr. Yasha Jyothi M Shirur	Professor
3	Dr. Jyoti R Munavalli	Professor
4	Dr. Subodh Kumar Panda	Professor
5	Dr. Rekha P	Professor
6	Dr. N Shesha Prasad	Professor
7	Dr. Bindu S	Professor
8	Dr. Bhuvana Suganthi.D	Asso. Prof.
9	Dr. Ashwini S Savanth	Asso. Prof.
10	Dr. Priya R Sankpal	Asso. Prof.
11	Dr. Vrunda Kusanur	Asso. Prof.
12	Dr. Keerthi Kulkarni	Asso. Prof.
13	Dr. Rashmi S Bhaskar	Asso. Prof.
14	Smt. P Prabhavathi	Asso. Prof.
15	Smt.Sumathi A	Asso. Prof.
16	Dr. Sujaya B L	Asso. Prof.
17	Dr. Sunitha S V	Asso. Prof.
18	Dr. Manjunath G Asuti	Asso. Prof.
19	Dr. Smitha Gayathri D	Associate Prof.



20	Sri. Kiran K N	Asst. Prof.
21	Smt.Priyadarshini.K Desai	Asst. Prof.
22	Smt. Lakshmi Bhaskar	Asst. Prof.
23	Sri. Sudarshan	Asst. Prof.
24	Sri. T Vyasaraj	Asst. Prof.
25	Smt. Rohini T	Asst. Prof.
26	Smt. Sarala T	Asst. Prof.
27	Sri. Sameera P	Asst.Professor
28	Sri. S L Satheesh Kumar	Asst. Prof.
Electr	ical & Electronics Engineering	
Sl. No.	Name of Staff	Designation
1	Prof.T.J.Ramamurthy	Director
2	Dr. Venkatesha K	Professor & HOD
3	Dr.V. Muralidhar	Professor
4	Dr. S Sudalai Shunmugam	Asso. Prof.
5	Dr. Madhu S	Asso. Prof.
6	Dr. Shubha Rao K	Asso. Prof.
7	Dr. A Kumar	Asso. Prof.
8	Smt. Ashwini A	Asst. Prof.
9	Ms. Kruthi Jayaram	Asst. Prof.
10	Smt. Champa P N	Asst. Prof.
11	Smt. Karanam Vasudha	Asst. Prof.
12	Sri.Sujith.T	Asst. Prof.
13	Smt. Raksha S	Asst. Prof.
14	Smt. Shruthi V joshi	Asst. Prof.
Mecha	anical Engineering	
Sl. No.	Name of Staff	Designation
1	Dr. B S Anil Kumar	Professor & HOD
2	Dr.D.Shivalingappa	Professor
3	Dr. N Raghavendra	Professor
4	Dr. P L Srinivasa Murthy	Professor
5	Dr. Mahendra Kumar C	Associate Prof.
6	Sri. Harish A	Asst. Prof.
7	Sri. Vishnu P	Asst. Prof.
8	Smt. Shwetha Shree B	Asst. Prof.
9	Sri. Bapugowda C M	Asst. Prof.
10	Smt. K J Madhushree	Asst. Prof.
11	Sri.Manu.A.S	Asst. Prof.
12	Sri. Vishwanath B R	Asst.Professor
13	Prof. Balakrishna S S	Professor
Mathe	ematics	1



Sl. No.	Name of Staff	Designation
1	Dr. L Venkata Reddy	Prof. & HOD
2	Dr. N P Chandrashekara	Professor
3	Dr. Leena N Shenoy	Asso. Prof.
4	Dr. A Pranesha Setty	Asso. Prof.
5	Dr. D Sreelakshmi	Asso. Prof.
6	Dr. Roopa G	Asst.Prof.
7	Dr. Yogalakshmi S	Asst. Prof.
8	Smt. Nandini B J	Asst.Professor
Physic	5	
Sl. No.	Name of Staff	Designation
1	Dr. Prasad K N N	Professor & HOD
2	Dr. Balasaraswathy S	Asst. Prof.
3	Dr. S Chandrashekar	Asst. Prof.
4	Sri.Praveen C Jois MN	Asst. Prof.
Chemi	stry	
Sl. No.	Name of Staff	Designation
1	Dr. B K Jayanna	Professor & COE
2	Dr. B S Prathibha	Professor & Head
3	Dr. Prashanth.M.K	Asso. Professor
4	Dr. Swarup H A	Asst. Prof.
5	Dr. Shamala T	Asst. Prof.
MBA		
Sl. No.	Name of Staff	Designation
1	Dr. N Mukund Sharma	Professor & I/c HOD
2	Dr. L Vijayashree	Professor Head - New Gen IEDC
3	Dr. Neetha Mahadev	Professor
4	Dr. Bhavya Vikas	Asso. Prof.
5	Dr. Charithra C M	Asso. Prof.
6	Smt. Vaishnavee E Maanay	Asst. Prof.
7	Sri. Ananth S Hoskere	Asst. Prof.
8	Ms. Jasmine Francis	Asst. Prof.
9	Sri. Santosh K V	Asst. Prof.
10	Smt. Vinitha V	Asst. Prof.
11	Smt. Ranjitha R	Asst. Prof.
9 10	Sri. Santosh K V Smt. Vinitha V	Asst. Prof. Asst. Prof.



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12	Smt. Prathyusha Pasupuleti	Asst. Prof.
13	Ms. V Vidyashree	Asst. Professor
14	Smt. Vasudha Srivatsa	Asst. Professor
Human	ities	
Sl. No.	Name of Staff	Designation
1	Dr. Madhuri Anand	Asst. Prof. Counsellor
2	Dr. Sudeshna Pandey	Asst. Prof.
3	Dr. Payal Mukherjee	Asst. Professor
4	S Chandrashekar	Asst. Prof.
5	Dr. Chandravathi	Asst. Prof.
6	Ms.Sharon Nair	Asst. Prof.
7	Purushotham R	Asst. Prof.
8	Joseph John	Asst. Prof.
9	Rupesh K C	Asst. Prof.
10	Hemadri Srinivas	Asst. Prof.
11	Madhu Channaiah Vishwakarma	Asst. Prof.

8. Profile of Vice Chancellor/ Director/ Principal/Faculty

https://www.bnmit.org/artificial-intelligence-machine-learning/faculty-of-aiml/ https://www.bnmit.org/computer-science-engineering/faculties-cse/ https://www.bnmit.org/electronics-communication-engineering/faculties-ece/ https://www.bnmit.org/information-science-engineering/faculties-ise/ https://www.bnmit.org/electrical-electronics-engineering/ https://www.bnmit.org/mechanical-engineering/ https://www.bnmit.org/mechanical-engineering/ https://www.bnmit.org/department-of-physics/faculties-phy/ https://www.bnmit.org/department-of-chemistry/faculties-che/ https://www.bnmit.org/department-of-mathematics/

Profile of Principal

- Name: Dr. Krishnamurthy G N
- Date of Birth: 15.03.1974
- Education Qualifications: B.E., M.Tech., Ph.D.
- Work Experience
- Teaching: 27 years
- Research: 17 years
- Area of Specialization: Cryptography: Block Ciphers design and performance analysis, Operating Systems, Computer Architecture, Logic Design
- Courses taught at Under Graduate/ Post Graduate: Operating Systems, Computer Networks, Cloud Computing, Mobil communication, Logic design, Data base management systems, Wireless communication, Data Structures, Computer Organisation, Management Information Systems, Computer Architecture, Software Engineering, Object Oriented Concepts with C++, Computer Programming in C, Unix Programming etc.



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Research guidance

- No. of papers published in National/ International Journals/ Conferences: 29
- Master: 30
- Ph.D.: Guiding -2, Awarded 6
- Projects Carried out: Ongoing project NewGen IEDC.
- Patents:- --
- Technology Transfer: --
- Research Publications: 32
- No. of Books published with details: --

9. Fee

• Details of Fee, as approved by State Fee Committee, for the Institution

Consensual Agreement : <u>https://hed.karnataka.gov.in/storage/pdf-</u> files/CONSENSUAL%20AGREEMENT%20KRLMPCA%202022-23.pdf

• Time schedule for payment of Fee for the entire Programme Normally at the beginning of the Academic year. Incase of difficulties expressed by parents it can be divide into two installments.

• No. of Fee waivers granted with amount and name of students -

Roll Number	Student Name	Fee waiver - 2020-21
1BG20CS402	BHARATH M R	30000
1BG20EC015	BHARATH	30000
1BG20IS037	PUNEETHARAJ K R	30000
1BG20IS402	MADHU B N	30000
1BG18EE043	Shreya Singh	27500
1BG19EC087	Sagar L	30000
1BG18EC117	SUSHMITHA M	25000

Roll Number	Student Name	Fee waiver - 2021-22
1BG20CS402	BHARATH M R	10000
1BG20EC015	BHARATH	30000
1BG20IS037	PUNEETHARAJ K R	30000
1BG20IS402	MADHU B N	30000
1BG18EE043	Shreya Singh	27500
1BG19EC087	Sagar L	30000
1BG18EC117	SUSHMITHA M	25000



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Roll Number	Student Name	Fee waiver - 2022-23
1BG20CS402	BHARATH M R	10000
1BG20EC015	BHARATH	30000
1BG20IS037	PUNEETHARAJ K R	30000
1BG20IS402	MADHU B N	40000
1BG19EC087	Sagar L	30000
1BG21CS099	T S PAVAN	20000
1BG21EE001	ABDUL HANNAN	20000

Roll Number	Student Name	Fee waiver - 2023-24
1BG21AI059	LAASYA REDDY M	20000
1BG21AI065	MADHUSHREE N	20000
1BG21IS040	MEGHANA S R	20000
1BG22IS012	BHUMIKA HONNALLI	25000
1BG21IS017	BHAGYALAKSHMI V	30000
1BG21ME006	LITHEESH G GOWDA	10000
1BG21ME022	THANUSH M BHARADWAJ	20000
1BG22AI099	SHRUDDHA S N	15000
1BG21EC113	ADITHYA S CHAKRAVARTY	10000
1BG21ME005	K VISHAK	10000
1BG22CS162	SUHAS M	23000
1BG21EC019	ARCHANA M	30000
1BG21EC054	MISRAH NAVEED	20000
1BG21AI098	SATHVIK N R	30000
1BG21CS006	AKSHITHA SHARMA	7000
1BG21AI050	KARTHIK DINESH VERNEKAR	15000
1BG21EC025	BHUVAN H S	30000

Note : This is apart from the Government sponsored full tuition fee sponsorship for SC/ST/PMSSS students and partial tuition sponsorship for OBC / EWS students.

- Number of scholarship offered by the Institution, duration and amounthttps://www.bnmit.org/admission/#edu-loan
- Criteria for Fee waivers/scholarship Annual income, no. of dependents, previous performance and requirement
- Estimated cost of Boarding and Lodging in Hostels Rs.1,15,500/-
- Any other fee please specify --

10. Admission



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Number of seats sanctioned with the year of approval

Level	Course	Intake Approved For 2022-23	Year of starting
UNDER GRADUATE	COMPUTER SCIENCE AND ENGINEERING	180	2001
UNDER GRADUATE	ELECTRONICS & COMMUNICATION ENGG	120	2001
UNDER GRADUATE	ELECTRICAL AND ELECTRONICS ENGINEERING	60	2002
UNDER GRADUATE	INFORMATION SCIENCE AND ENGINEERING	60	2001
UNDER GRADUATE	MECHANICAL ENGINEERING	60	2011
UNDER GRADUATE	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	120	2020
POST GRADUATE	COMPUTER SCIENCE AND ENGINEERING	18	2010
POST GRADUATE	VLSI AND EMBEDDED SYSTEMS DESIGN	24	2010
POST GRADUATE	MBA	120	2006

 Number of Students admitted under various categories each year in the last three years <u>https://www.bnmit.org/wp-content/uploads/2022/02/VTU-approval.pdf</u>

• Number of applications received during last two years for admission under Management Quota and number admitted – Not applicable as 274 seats are vacant during last two years.

11. Admission Procedure

• Mention the admission test being followed, name and address of the Test Agency/State Admission Authorities and its URL (website)

- Number of seats allotted to different Test Qualified candidate separately (AIEEE/ CET (State conducted test/ University tests/ CMAT/ GPAT)/ Association conducted test etc.)
- Calendar for admission against Management/vacant seats:
 - Last date of request for applications
 - Last date of submission of applications
 - Dates for announcing final results
 - Release of admission list (main list and waiting list shall be announced on the same day)
 - Date for acceptance by the candidate (time given shall in no case be less than 15days)
 - Last date for closing of admission
 - Starting of the Academic session
 - The waiting list shall be activated only on the expiry of date of main list
 - The policy of refund of the Fee, in case of withdrawal, shall be clearly notified As per AICTE norms

As per consensual agreement -

http://164.100.133.71/keawebentry456/cet2021/ugcet_consensualargkannada.pdf

During the last two years 274 seats were vacant (inclusive of vacant seats from all the categories - CET,



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Comedk and Management)

12. Criteria and Weightages for Admission

 \bullet Describe each criterion with its respective weightages i.e. Admission Test, marks in qualifying examination etc. –

As per consensual agreement - http://164.100.133.71/keawebentry456/cet2021/ugcet_consensualargkannada.pdf

• Mention the minimum Level of acceptance, if any – 10+2

• Mention the cut-off Levels of percentage and percentile score of the candidates in the admission test for the last three years - At least 45% (average) in Physics, Maths and one of the subjects – Computer Science, electronics, biology, statistics. One entrance test is must-CET, Comedk, JEE, AIEEE

• Display marks scored in Test etc. and in aggregate for all candidates who were admitted – under construction.

https://www.bnmit.org/wp-content/uploads/2022/02/VTU-approval.pdf

13. List of Applicants

• List of candidate whose applications have been received along with percentile/percentages core for each of the qualifying examination in separate categories for open seats. List of candidate who have applied along with percentage and percentile score for Management quota seats (merit wise)

- Not applicable as 274 seats are vacant during last two years.

14. Results of Admission Under Management seats/Vacant seats

• Composition of selection team for admission under Management Quota with the brief profile of members (This information be made available in the public domain after the admission process is over) - <u>https://www.bnmit.org/admission/#eoa</u>

- Score of the individual candidate admitted arranged in order or merit
- List of candidate who have been offered admission

-https://www.bnmit.org/wp-content/uploads/2022/02/VTU-approval.pdf

• Waiting list of the candidate in order of merit to be operative from the last date of joining of the first list candidate –

- Not applicable as 274 seats are vacant during last two years.

• List of the candidate who joined within the date, vacancy position in each category before operation of waiting list

Not applicable

15. Information of Infrastructure and Other Resources Available

- Number of Class Rooms and size of each 35 (75sq.mt.)
- Number of Tutorial rooms and size of each 6 (50 sq.mt)
- Number of Laboratories and size of each 51 (75 sq.mt)



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- Number of Drawing Halls with capacity of each 2 (100 sq.mt.)
- Number of Computer Centres with capacity of each 2 (100 sq.mt.)
- Central Examination Facility, Number of rooms and capacity of each 35 (75sq.mt.)
- Online examination facility (Number of Nodes, Internet bandwidth, etc.) 30 (75 sq.mt)
 600 nodes 500 Mbps leased line.
- Barrier Free Built Environment for disabled and elderly persons Available
- Occupancy Certificate Available
- Fire and Safety Certificate Available
- Hostel Facilities Available

• Library

• Number of Library books/ Titles/ Journals available(Programme-wise)

S. No.	Branch	Number of Books Available
1	CSE	669
2	ISE	349
3	ECE	720
4	EEE	588
5	ME	202
6	Basic Sciences	199

- List of online National/ International Journals subscribed
- E- Library facilities

S.No.	Particulars		Required	Available
1	Total Area in sq. ft		4295	12701
2	Whether reading room available?		Yes	
3	Books	Hard Copies + E-books	25400	50830 (42756+8074)
		Total	25400	50830
	Titles		4450	13238
4	Journals (National/In ternational)	Printed Journals	88	88
		E-Journals		1661
	CDs/DVD			2434
	Others		NPTEL Video I	Lectures
			Institutional Rep	pository



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VTU Consortium e-resources
National Digital Library (NDL)

- National Digital Library(NDL) subscription details -Yes - <u>https://www.bnmit.org/library-information-centre/</u>
- Laboratory and Workshop
- List of Major Equipment/Facilities in each Laboratory/Workshop
- List of Experimental Setup in each Laboratory/Workshop

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List of labs along with equipments to be placed.

Department of Electronics & Communication Engineering

1 a. N506- Electronic Devices and Instrumentation Lab - Dell OptiPlex GX520, CROs, Signal generators, Dual RPS, DMMs, DRBs, DCBs, DIBs, LCR Meter& Analog Ammeters, OrcadPspice 9.2, 17.2

b. N506-Analog Circuits Lab - Dell OptiPlex GX520, CROs, Signal generators, Dual RPS, DMMs, DRBs, DCBs, DIBs, LCR Meter& Analog Ammeters, OrcadPspice 9.2, 17.

a. N505- Digital System Design Lab - HP D330, Dell OptiPlex 520, IC trainer Kits, IC tester& TINA S/W, LED Projector with accessories

b. N505- Project Lab -1 - HP Compaq d330 ut, Power Scopes, CROs, Dual RPS, RPS multi output, Experiment Study modules, DMMs, PSpice S/W, Digital & Analog ammeters

a. N504 - Digital Signal Processing Lab – Dell OptiPlex 3020, DSP Kits, MATLAB S/W, CC studio S/W & Turbo C
 b. N504 Computer Networks Lab – Dell OptiPlex 3020, DSP Kits, CC studio S/W

b. N504- Computer Networks Lab - Dell OptiPlex 3020, DSP Kits, CC studio S/W, NCTUNS & MATLAB S/W, Turbo C, NS2 Simulator

 a. N102- HDL Lab - Lenovo Think Center, Dell OptiPlex 520, FPGA Kits, Xilinx ISE 12.1, CROs, Stepper Motors, DC Motors, DACs, Seven Segment Display, LCDs, Hex Keypad, ADCs& DC Power Supply

b. N102- Micro-controller Lab - MC Kit-89C51ED2(On board Interface)

- a. N602- Advanced Comm. Lab Lenovo Think Center, Dell OptiPlex 360, Power Scopes, CROs, Dual RPS, RPS multi output, Experiment Study modules, DMMs, PSpice S/W, Digital & Analog Ammeters, MATLAB S/W & Simulink.
 - b. N602- Project Lab 2 Lenovo Think Center, Dell OptiPlex 360, Power Scopes, CROs, Dual RPS, RPS multi output, Experiment Study modules, DMMs, PSpice S/W, Digital & Analog Ammeters, MATLAB S/W & Simulink
- 6. a. N502- VLSI Lab IBM SYSTEM X 3200 M3-Server, Lenovo Think center & Cadence EDA Tool

b. N502- Embedded Controller Lab - IBM SYSTEM X 3200 M3 Server, Lenovo Think center, Cadence EDA Tool, ARM controller LPC 1768, Keil 4, Flash magic, UARTs, Stepper motors & DACs

- 7. a. N605 VLSI & ES LAB I Dell Precision 380, Lenovo Think center, FPGA Kits, Xilinx ISE 12.1, ARM Cortex M3 board, Keil 5, Flash Magic, LCDs & UART
 b. N605 VLSI & ES LAB II IBM SYSTEM X 3200 M3-Server, Lenovo Think center & Cadence EDA Tool (UG & PG Bundle)
- N601- R & D Lab Dell optiplex Computer systems 330/520/ 3010 DSO (Rigol make), RPS (Agilent), CRO, DMM (Fluke), RPS (Unotron), Function Generator (10MHz), LCD Projector
- 9 a. N604 Antenna Design and Testing: (AICTE-MODROBs) Grants received: Rs. 12 Lakhs
 Research projects/Training/FDP

b. N604- R & D Lab - Optic Communication Setup, MATLAB Full Suite, COMSOL, Cadence EDA Tool, Fluke Digital Multimeters, DSOs Rigol make, Virtex 6 FPGA boards, RPS Agilent make, Yokogawa CRO & LCD projector

 N603 - Engineering Exploration Lab Lab/Makers Lab/IoT lab - Fixed Voltage RPS, DMM (Meco), Arduino Uno boards with sensors, Dell optiplex Computer Systems (390/GX620)and study modules

Department of Computer Science & Engineering

- 1. M006A- Data Structures /Web Technology DELL Optiplex 3020 Intel Core i5-4750 CPU@3.20 GHz /4GB RAM
- M006B Project Laboratory DELL Optiplex 3020 Intel Core i5-4750 CPU@3.20GHz ,4 GB RAM
- 3. M109 Analog and Digital Electronics Laboratory Lenovo M70 Think Centre, Intel Core 2 DUO E7500, CPU @ 2.93 GHz, 4GB RAM, DELL Optiplex 330 Intel Core 2 Duo CPU



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E4400 @2.00 GHz / 1 GB DDR2 SDRAM, Analog and Digital Components Interfacing Components.

- M207- DBMS Laboratory with Mini Project / Web Technology Lab DELL Optiplex 3020, Intel Core i5-4750, CPU@3.20 GHz /4GB RAM, DELL Optiplex 3040, Intel Core i5-6500, CPU@3.20 GHz /8GB RAM.
- 5. M210A Machine Learning Laboratory DELL OptiPlex 3050: Intel Core i7-7700 CPU@3.60 GHz /16GB DDR4 SDRAM
- M210B Online Course Laboratory DELL Optiplex 390 Intel(R) Core[™] i5-2400CPU@3.10GHz, 4 GB RAMm, DELL Optiplex GX620 Intel(R) Pentium(R) D CPU@3.40GHz,2 GB RAM, DELL Optiplex GX520 Intel(R) Pentium(R) D CPU@3.00GHz,2 GB RAM
- 7. M210C- Online Course Laboratory DELL Optiplex 390 Intel(R) Core[™] i5-2400CPU@3.10GHz, 4 GB RAMm, DELL Optiplex GX620 Intel(R) Pentium(R) D CPU@3.40GHz,2 GB RAM, DELL Optiplex GX520 Intel(R) Pentium(R) D CPU@3.00GHz,2 GB RAM
- M209- Computer Network Laboratory/ELL DELL Optiplex 3040 Intel Core i5-6500 CPU @3.20 GHz / 2GB DDR2 SDRAM, DELLSYSTEM OPTIPLEX 390 Intel Core i5-2400, CPU @ 3.10GHz, 4 GB RAM
- A211- Computer Programming Laboratory DELL Optiplex 330 Intel Core 2 Duo CPU E4400 @2.00 GHz / 1 GB DDR2 SDRAM
- 10. A317 Post Graduation Laboratory DELL Optiplex 3040 Intel Core i5-6500 CPU @3.20 GHz / 8GB RAM
- 11. M108- Research and Development Laboratory SERVER IBM × 3200 m3, Intel xeon Quad core E3430, 2.4GHZ CPU, 4GB (1× 4GB) RAM, DELL SYSTEM OPTIPLEX 390 Intel Core i3-2100 CPU @ 3.10GHz, 4 GB RAM, Vistex Technologies Intel(R) Xeon (R) CPU X3430@2.40GHz, RAM-4.00GB, IISc System Intel Core i5-4440 CPU@3.10GHz, Installed memory (RAM) : 8.00 GB

Department of Information Science & Engineering

1. M104 - Web Technology & File Structures - DELL Optiplex 3040 Intel(R) Core(TM) i5-6500 CPU @3.20GHz / 8.00 GB DDR3L SDRAM / SATA 1 TB HDD /TFT 18.5'' Monitor / DVD +/- RW Drive / Optical Mouse / Standard Keyboard.

2. M201A - Innovative Project Lab and Project Lab/ Research Lab - Dell Optiplex 330, Intel ® CoreTM 2 Duo CPU E4400 @2.00 GHz / 1 GB DDR 2SDRAM /160 GB SATA HDD /DVD +/-RW /Standard KeyBoard / Optical Scroll Mouse /TFT Monitor 17".

3. M201B - CN,DSA Tutorial, AJAVA Tutorial, Project and Engineering Exploration Lab -DELL Optiplex 3040 Intel(R) Core(TM) i5-6500 CPU @3.20GHz / 8.00 GB DDR3L SDRAM / SATA 1 TB HDD /TFT 18.5'' Monitor / DVD +/- RW Drive / Optical Mouse / Standard Keyboard.

4. a. M 205.- DSA and ML - DELL Optiplex 3020, Intel(R) Core(TM) i7- CPU @3.20GHz / 4.00 GB /8GB /500 GB HDD / TFT 18.5'' wide LED Monitor / DVD +/- RW Drive / Optical Mouse / Standard Keyboard.

b. M205 - DAA - DELL Optiplex 3050, Intel(R) Core(TM) i7-7700 CPU @3.20GHz / 16.00 GB DDR3L SDRAM / SATA 1 TB HDD /TFT 18.5" Monitor / DVD +/- RW Drive / Optical Mouse / Standard Keyboard. ADE, Microprocessor and Microcontroller Lab - Lenovo Think Centre M70, Intel® core(TM) 2 Duo E7500 CPU 2.93Ghz/ 4Gb RAM/320 GB HDD/ 18.5" Monitor/Key board/ Optical Mouse.

5. N503 - Microcontroller Lab / ADA lab - Computer Systems Lenovo M70 Think Centre (22 No.) and Micro controller Kits (20 No.)

6. AM 101 - EEL Lab - DELL Optiplex GX620 -8 No.s, DELL Optiplex 390- 2 No.s, DELL Precision 380- 2 No.s

7. M 202 – DBMS / Software Testing - Computer Systems DELL Optiplex3040



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Department of Electrical & Electronics Engineering

1. a. N005 - Basic Electrical Engineering Laboratory, Digital Earth Tester, Three Phase Auto Transformer, Choke Coil

b. N005 - Control System Laboratory, Driver circuits and control circuit modules, Dell OptiPlex 3010,Intel® Core™ i5-3470 CPU@ 3.20Ghz, 8GB RAM

2. N106 - Electrical Machines Lab - Transformers, Synchronous Machine, Induction Motors and DC Machines

3. N503 - Op- Amp and Linear ICs Laboratory - Variable Regulated Power Supply (VRPS), Cathode Ray Oscilloscope (CRO)

4. A318 - Computer Aided Electrical Drawing - Dell OptiPlex 3020, Intel® Core™ i5-3470 CPU@ 3.20Ghz,GB RAM, AutoCad 2016 Version (Educational) Software,

5. a. N004 - Power Systems Simulation Lab - MiPower software package

b. N004 - Digital Signal Processing Laboratory - MATLAB Software, Lenovo Think Centre, Intel® Core 2 Duo TM E7500 2.93Ghz 4.00GB RAM

c . N004- Microcontroller Laboratory - 8051 Microcontroller kit. Hardware interface kits, Electronics Lab, Signal Generators, CROs, VRPS

6. N006 - Relay and High Voltage Lab - Electro mechanical & Microprocessor Relays, HV AC and DC measurement setup, Transformer oil Testing kit.

7. N505 - Power Electronics Laboratory - Converter and Control circuit modules

8. N603- Engineering Exploration Lab - Electromagnetic Radiation Measurement, Domestic wiring Model, LDR Controller

Department of Mechanical Engineering:

1. A206 - Engineering Graphics and Drawing Lab - Solid Edge ST8, Computers (47 No's), printers, LCD Projectors

2. A318 - Computer Aided Machine Drawing - Solid Edge ST8, Computers (30 No's), printers, LCD Projectors

3. N003 - Material Testing Lab - U.T.M, Torsion, Wear Testing, Izod & Charpy, Vickers, Rock well, Brinell hardness, Metallurgical Microscope, Muffle Furnace

4. N002 - Foundry and Forging Lab - Universal sand strength testing machine, Electric permeability tester, Sand sieve tester, LPG Forging furnace, Sand rammer, Sieve analysis, Foundry tool kit, Split, Sand washer, Anvil block pattern

5. a. A308 - Mechanical Measurements & Metrology Lab - Load Cell, LVDT, Strain Gauges with Cantilever Beam Set Up, Thermocouples (J, K, T Type), Pressure Gauge (Dial Indicator Type),Drill Tool Dynamometer, Lathe Tool Dynamometer, Optical Profile Projector, Slip Gauge Set (M 87 Set), Tally Surf Roughness Tester, Gear Tooth Vernier, Gear Tooth Micrometer, Sine Bar, Sine Centre, Universal Bevel Protractor ,Two/Three Wire screw Thread Measurement (Anvil type),Vernier Caliper, Outside Micrometer, Dial Gauge (Plunger Type),Digital Micrometer, Vernier Height Gauge, Optical Flat, Roller Set.

b. A308- Design Lab - Universal Governor, Circular Polari scope, balancing of rotating masses equipments, Universal Vibration test rig, Strain gauge rosette set up, Whirling of Shaft set up, Curves beam with strain Gauge set up, Motorized Gyroscope, Journal Bearing set up.

6. AB001 - Machine Shop - Lathe Machines, Milling Machine, Shaping Machine, Drilling Machine & Grinding Machine

7. AB002 - Fluid Mechanics & Machinery lab - Venturimeter, Orifice meter, nozzle flow meter, impact of jet, v notch, friction losses in pipes, minor losses in pipes, centrifugal pump, reciprocating pump, Francis turbine, Pelton wheel, Air blower, Air compressor

8. AB003 - Energy Lab - Two Stroke Single Cylinder Petrol Engine, Four Stroke Single Cylinder Petrol Engine, Four Stoke Petrol Engine (Variable compression Ratio), Mohr's test, Multi Cylinder



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Petrol Engine, Boys Gas Calorie meter, Four Stoke & Two Stroke Cylinder cut section model, Table Experiments like Saybolt -Viso Meter, Flash & Fire Point & Red Wood visco Meter

9. AB004 - Heat transfer Lab - Heat transfer through metal rod apparatus, Heat transfer through Composite wall apparatus, Heat transfer through pin fin apparatus, Heat transfer through natural convection (free vertical)apparatus, Emissivity measurement apparatus, Stefan Boltzmann's apparatus, Drop & film wise condensation of vapor apparatus, Heat transfer by forced convection apparatus, Experiment on boiling heat transfer unit, Experiment on Unsteady heat transfer(Transient heat conduction) apparatus, Refrigeration Test rig, Air- Conditioning test rig with anemometer,

10. a. A318 - FEA Lab - Computers (30 No's), ANSYS- Software, 25 Users Academic teaching introductory (V14.5 - 32,000 Nodes) & Teaching Advanced (V14.5-2,56,000 Nodes) Projector, Printer

b. A318 CIM Lab - C N C Lathe Machine, Milling Machine and Computers (30No's)

11. AB005 - Toyota lab - Cut Section of 2- Stroke two-wheel drive Innova Diesel Engine with differential 1 Nos., Stroke two-wheel drive Innova Diesel Engine-1 Nos, Stroke Innova Diesel Engine Transmission System- 1 Nos, Stroke four-wheel drive auto transmission system with complete chassis of Toyota Fortuner-1 Nos, Special Tools for assembly and dismantling of engine-1 Set, DLP -01 No.

12. AB007- Project Lab - ANSYS V15- Advanced – 5 license, Solid Works 2018- 60 License Reciprocating Air Compressor Unit, Hydraulic and pneumatic kit, Radial Drilling Machine Double End Bench Grinde, Hydraulic Hacksaw Machine, Electric Arc Welding Machine 13. a. A302 – EEL Lab(Makers' Lab) - 3D Printer ALPIV2, Robotic Arm (Reverse Engineering), Robotic Arm 5 DOF 3No. Generic Digital Pocket Scale Power tools

b. A302 - Research and development Lab - Data Logger, Muffle Furnace, Metallurgical Microscope, 3-D Printer, Pin on Disc wear Testing machine ANSYS V15

14. AM001 – Makers' Lab – Carpentry models, assembly and disassembly of iron box, bench wise, carpenter wise, cutting tools and drilling machines

15. AM401- Drawing hall – drawing tables and projectors

Department of Physics

1. A313 – Physics Lab - Battery Eliminator, Magnetometer, Meter Bridge, Newton's Ring Apparatus, Laser De-Fraction Set, Zener Diode characteristic, Leclanche Cell (Electrical), Energy Gap setup, Photodiode characteristics set up, Ringer timer electronic pacer, numerical aperture of an optical fiber, Spring constant in series and Parallel combination

2. A309 - R & D centre - UV-VIS Spectrophotometer (Shimadzu Model: UV 1800), Hot Air oven (210 liters) with microprocessor-based PID display, Electronic Weighing Balance (0.01mg), Magnetic stirrer with hot plate, Gaussian 09 software, Ultrasonic Bath

Department of Chemistry:

1. a. A311 - Conduct meter, Photoelectric colorimeter, Potentiometer/ pH meter, pH meter, Flame Photometer, Electronic Balance (1mg Accuracy), Distillation Plant, D M Plant, Magnetic stirrer with hot plate, Magnetic stirrer (500ml capacity), Hot plate, LCD Portable Digital Thermometer, Hot air Oven, Potentiometer.

2. b.A311 - R & D centre - UV-Visible Spectrophotometer (Single Beam), Electronic Balance (0.1 mg Accuracy), Hot Air Oven (Triple walled, Ducted Air Flow Type,

Temperature Range: 5oC above Ambient Temperature to 300oC.), Spinet hotplate with Stirrer, UV Degradation Chamber

Department of Mathematics:

1. A214a R & D centre - Computers – DELL (OPTIPLEX GX 620), Printer



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MBA:

1. A116 - MBA computer lab - DELL Optiplex 360 : Intel ® Core[™] 2 Duo E7400 @2.80 GHz /4GB DDR2 SDRAM / 320 GB SATA HDD/ DVD +/- RW/ Dell USB Key Board /Dell USB Mouse / Dell TFT Monitor 17" Operating System : Windows 8.1. 2. A314 — Research Centre — Computers — DELL Optiplex 360 Thesis hard copies

2. A314 - Research Centre - Computers - DELL Optiplex 360, Thesis hard copies.

Sensesemi Lab

1. N 501 - Soldering station, Digital Multimeter, Digital Storage Oscilloscope, RPS

2. N 407 - IBM Server, Dell Computer system, Laptops (Dell/Lenovo/HP), LCD Projector

NEWGEN IEDC:

1. Lab 1: N606 - DELL OptiPlex 3050 - 3 No.s, DELL OptiPlex 3050 - 10 No.s, DELL OptiPlex 7050-4 No.s, HP Printer - 1, EPSON Projector & Screen - 1 LG Ultra wide LCD Monitor 73cm/29" with Keyboard and Mouse - 1

2. Lab 2: N607 - POWER SUPPLY(0-30)V DC- 4No.s, DIGITAL STORAGE OSCILLOSCOPE 4 CHANNEL 100MHz- 2 No.s, DIGITAL MULTIMETER 3 3/4 DIGIT- 5 No.s, PRAMAN 3D PRINTER- 1 No.

3. A011 - Hycubes Incubation Cente

Studios:

1. M310 –Nature club studio – recording station with audio video facility

2. A310 -Video Lab1: Television, mirror, laptop, camera, lightings, sound absorbers, green screen

3. A312 -Video Lab2: Television, mirror, laptop, camera, lightings, sound absorbers, green screen

4. A315 -Video Lab3: Television, mirror, laptop, camera, lightings, sound absorbers, green screen

• Computing Facilities

- Internet Bandwidth 500 Mbps leased line
- Number and configuration of System : 620 I3, I5, I7 others 376. Total 996
- Total number of system connected by LAN 896
- Total number of system connected by WAN 896
- Major software packages available Microsoft campus license, all major system and application software, tools are available.
- Special purpose facilities available (Conduct of online Meetings/Webinars/Workshops, etc.) -
- Facilities for conduct of classes/courses in online mode (Theory & Practical)

- Microsoft teams, google meet and other facilities for online meetings, well equipped seminar halls and auditorium

- Innovation Cell <u>https://www.bnmit.org/newgen-iedc/</u>
- Social Media Cell -

• Compliance of the National Academic Depository (NAD), applicable to PGCM/ PGDM Institutions and University Departments - Complied

• List of facilities available

• Games and Sports Facilities https://www.bnmit.org/sports/

• Extra-Curricular Activities https://www.bnmit.org/students-life/cultural-kala-bhageerathi/

• Soft Skill Development Facilities https://www.bnmit.org/department-of-training-placement/department-overview/#



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• Teaching Learning Process

- Curricula and syllabus for each of the Programmes as approved by the University https://www.bnmit.org/scheme-and-syllabus/
- Academic Calendar of the University <u>https://vtu.ac.in/en/academic-calendar/</u>
- Academic Time Table with the name of the Faculty members handling the Course
- Teaching Load of each Faculty
- Internal Continuous Evaluation System and place
- Student's assessment of Faculty, System in place
 - **Under process**
- For each Post Graduate Courses give the following:
- Title of the Course
- Curricula and Syllabi <u>https://www.bnmit.org/scheme-and-syllabus/</u>
- Laboratory facilities exclusive to the Post Graduate Course
- Special Purpose
- Software, all design tools in case
- Academic Calendar and framework

16. Enrolment and placement details of students in the last 3years

https://www.bnmit.org/department-of-training-placement/hiring-statistics/

17. List of Research Projects/ Consultancy Works

- Number of Projects carried out, funding agency, Grant received
- Publications (if any) out of research in last three years out of masters projects
- Industry Linkage
- MoUs with Industries (minimum3(10))

https://www.bnmit.org/research/

18. LoA and subsequent EoA till the current Academic Year <u>https://www.bnmit.org/aicte-mandatory-disclosure/</u>

19. Accounted audited statement for the last three years <u>https://www.bnmit.org/bnmit-financial/</u>

20. Best Practices adopted, if any

- Video lectures recording and dissemination and online assessment
- Social responsibilities and moral values

- Paperless Examination has been introduced since 2023 to reduce usage of paper and hence carbon footprint, reduce the gap between examination and announcement of results and to reduce human errors during examination and evaluation.

Note: Suppression and/or misrepresentation of information shall invite appropriate penal action. The Website shall be dynamically updated with regard to Mandatory Disclosures

Important Instructions:

• Avoid putting personal information in public domain.

• The mandatory disclosure should be available freely to view/download to the public without any restrictions.



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• LoA/EoA letters (since inception) should form part of the mandatory disclosure and complete mandatory disclosure document should be converted into a single PDF file and the URL (web-link) to be entered in the AICTE portal (under attachments tab)