



YEARLY STATUS REPORT - 2021-2022

Part A

Data of the Institution

1.Name of the Institution

NMAM INSTITUTE OF TECHNOLOGY
(AUTONOMOUS)

- Name of the Head of the institution **Dr. Niranjan N.Chiplunkar**
- Designation **Principal**
- Does the institution function from its own campus? **Yes**
- Phone No. of the Principal **08258281263**
- Alternate phone No. **9611266900**
- Mobile No. (Principal) **9611266900**
- Registered e-mail ID (Principal) **principal_nmamit@nitte.edu.in**
- Address **NMAM Institute of Technology,
Nitte, Karkala Taluk**
- City/Town **Nitte**
- State/UT **Karnataka**
- Pin Code **574110**

2.Institutional status

- Autonomous Status (Provide the date of conferment of Autonomy) **20/12/2007**
- Type of Institution **Co-education**
- Location **Rural**

- Financial Status **Self-financing**
- Name of the IQAC Co-ordinator/Director **Dr. Vidya S.M.**
- Phone No. **08258281280**
- Mobile No: **9845388773**
- IQAC e-mail ID **iqac.nmamit@nitte.edu.in**

3. Website address (Web link of the AQAR (Previous Academic Year)) <https://nmamit.nitte.edu.in/img/iqac/AQAR%202020-21.pdf>

4. Was the Academic Calendar prepared for that year? **Yes**

- if yes, whether it is uploaded in the Institutional website Web link: <https://nmamit.nitte.edu.in/IQAC/AQAR%202021-22/Part%20A/AC%202021-23.pdf>

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.11	2017	30/10/2017	29/10/2022

6. Date of Establishment of IQAC **01/02/2001**

7. Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
Nil	Nil	Nil	Nil	Nil

8. Provide details regarding the composition of the IQAC:

- Upload the latest notification regarding the composition of the IQAC by the HEI [View File](#)

9. No. of IQAC meetings held during the year **3**

- Were the minutes of IQAC meeting(s) and **Yes**

compliance to the decisions taken
uploaded on the institutional website?

- If No, please upload the minutes of the meeting(s) and Action Taken Report
- No File Uploaded

10. Did IQAC receive funding from any funding agency to support its activities during the year? **No**

- If yes, mention the amount

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

1. All the academic improvement programs are monitored through IQAC
2. Faculty quality improvement programs are prioritized to meet NEP requirements
3. Preparation of Institutional Strategic Plan
4. Structured approach to capture data and documents required for AQAR preparation
5. Compiled data for NIRF 2022

12. Plan of action chalked out by IQAC at 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
NMAMIT will be taken under the ambit of Nitte Deemed to be University	NMAMIT is affiliated to Nitte Deemed to be University since June 2022
Seeking approval from AICTE to start M.Tech in Cyber Security and M.Tech in Electric vehicles Technology	M. Tech in Cyber Security and M. Tech in Electric Vehicles Approved by AICTE and programs started
Seeking approval from AICTE to start new UG programme -Artificial Intelligence and Data Science	New UG program Artificial Intelligence and Data Science Approved by AICTE and program started
Introducing Skill development lab for first year UG programs	Skill development labs introduced to first year UG programs
Strengthening Industry Institute Collaboration through active MOUs	Many Industry Institute Collaborations through MoUs initiated for internships, placements and research activities.

13. Was the AQAR placed before the statutory body? Yes

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
Governing Council	02/01/2023

14. Was the institutional data submitted to AISHE ? Yes

- Year

Part A**Data of the Institution**

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Governing Council	02/01/2023
14.Was the institutional data submitted to AISHE ?	Yes
<ul style="list-style-type: none"> Year 	
Year	Date of Submission
2022	06/01/2023
15.Multidisciplinary / interdisciplinary	

NMAMIT has been providing opportunities to faculty and students to work in the interdisciplinary areas of academics and research. As a result, about 1200 students take up Open Elective courses in their 7th semester B.E. and 8th Semester B.E which is offered by other departments. In addition, technical departments conducted about 9 Value added technical courses to about 450 students of various programs. The interdisciplinary research is given priority in NMAMIT and as a result there are several publications in the interdisciplinary domains. NMAMIT has also collaborated with medical and dental college of Nitte University in carrying out research related to medical and dental device development.

16.Academic bank of credits (ABC):

NMAMIT has provided required data for ABC to the University VTU, Belagavi.

17.Skill development:

Training in 12 different Special Laboratories of NMAMIT for all the First year BE students admitted during the academic year 2021-22, is the new initiative that has been taken up by the institute. This is in line with the broad objectives of the new National Education Policy (NEP 2020). Under this initiative, all students admitted to BE program during 2021-22, will spend 3 hours in each of the specialized laboratories mentioned below, in the first year of their course:

- Automotive skill lab
- Welding skill lab
- Fluid Power skill lab
- Robotics skill lab
- Biofuel skill lab
- HAM Radio and Internet Radio skill lab
- Skill lab on App development through collaborative tools
- Skill lab on Land line marking
- Soil testing skill lab
- Skill lab on Waste management
- Aeromodelling and Ship model building skill lab
- Skill lab on troubleshooting electrical equipment

Faculty coordinators and well-trained senior students from the respective departments will train the first year students in batches of 30. A regular time-table for these special skill training labs has been drawn and the training curriculum has been finalized after several rounds of discussion at the highest level in the Institute. The skill lab training is now running smoothly

and the students have started enjoying these sessions. Going forward, during subsequent years of their study in the college, the students can identify any one or two of these special labs which interest him/her most, and take up some mini projects under that domain. The Institute level FabLab which is going to be set-up under Atal Incubation Center (AIC Nitte) in the next 2 months at a cost of about Rs.60 lakhs, will provide enough support to the students to take up such mini projects. These skill-based mini projects will be in addition to the regular mini projects which students have to undertake as per their regular academic requirements.

The college management and the administration strongly believe that this initiative of implementing the skill lab training for all first-year students in a very systematic way will go a long way in training students to become skilled engineers, which is the need of the hour.

18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

Students are offered Credit courses in

- 1) Kannada for 2nd Year B.E.
- 2) Overview of Indian Culture & Arts to 7th semester B.E. students as open elective.
- 3) Introduction to Yoga to 7th semester B.E. & 8th Semester students as open elective.
- 4) NSS to 7th semester B.E. students as open elective.

19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):

NMAMIT has implemented Outcome Based Education in 2016-17 and has been reviewing the process and outcomes to improve the quality of education. As a result, Seven of the eligible B.E. programs have undergone NBA Compliance visits successfully and are accredited for three years till 30th June 2025.

The Vision, Mission, Program Outcomes and Course Outcomes have been well defined and evaluated at appropriate time intervals using direct and indirect measures. Non-compliance to any attainment are identified and discussed in the PAC, DAAB and BOS and they suggest the corrective measures to implement in the next academic year. The required corrective actions further reviewed in the IQAC meetings and Action taken reports are

documented.

As a part of OBE, teaching methodologies include Problem / Project based learning, Tutorials, flipped class delivery, Group/Peer learning, Seminars and Industrial visits. Some of the Evaluation methods, apart from descriptive written examination, include Quizzes using Moodle LMS, Group Assignment evaluation, Rubrics based project / seminar evaluation.

At regular intervals, Feedbacks are taken from students on course contents, teaching methodology and Self-assessment on Course Outcome attainment. These feedback are documented through Moodle LMS and the required actions are taken to improve the system is taken whenever there exists lacunae.

The curriculum is framed by the BOS and approved by the Academic Council. The curriculum is a Choice Based Credit System. Students are offered Practical courses, elective courses, open elective courses and Projects, seminars and internships. Students have flexibility to choose the elective courses and open elective courses. They also have flexibility to earn credits through MOOCS such as Coursera / NPTEL.

20.Distance education/online education:

There are no distance education or Online education courses provided by NMAMIT.

Extended Profile

1.Programme

1.1 20

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1 5332

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	View File

2.2

1562

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3

5332

Number of students who appeared for the examinations conducted by the institution during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.Academic

3.1

1057

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2

328

Number of full-time teachers during the year:

Extended Profile

1. Programme

1.1 20

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2. Student

2.1 5332

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	View File

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File Description	Documents
Institutional Data in Prescribed Format	View File

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File Description	Documents
Institutional Data in Prescribed Format	View File

3. Academic

3.1 1057

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2	328
Number of full-time teachers during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

3.3	328
Number of sanctioned posts for the year:	

4. Institution

4.1	268
Number of seats earmarked for reserved categories as per GOI/State Government during the year:	

4.2	97
Total number of Classrooms and Seminar halls	

4.3	2422
Total number of computers on campus for academic purposes	

4.4	2451
Total expenditure, excluding salary, during the year (INR in Lakhs):	

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

The curriculum of all programmes is developed in accordance with the PO as defined by NBA and PEO's which are in tune with the vision and mission statements of the institute. The process of developing the curriculum and the course content takes into consideration the feedback from different stakeholders to ensure that it has relevance to the local, regional, national and global developmental needs. The curricula thus framed by the

Program Assessment Committee (PAC) and Department Advisory Board (DAB) are deliberated by the Board of Studies meeting and subsequently approved by Academic Council.

- **Local and regional developmental needs:** There are several courses in different programmes which enable students to analyse the local and regional needs and provide solution based on their engineering knowledge acquired. The project component embedded in specific courses gives leverage to the students to involve in the developmental activities of Nitte and neighbouring regions, in terms of its development and transition to a smart village / city. Courses also enable students to interact with farmers and nearby Agriculture University to take up projects to uplift productivity.
- **National and global developmental needs:** In tune with this, the institute has introduced several new programmes in the areas of AIML, Computer and Communication Engineering, Robotics&AI. Additionally, several courses are aimed at enhancing the technical and entrepreneurship skills of students, that are in line with Start-up India policy. Courses that are in-tune with the national mission of 'Make-in-India' pave way for the economic growth of the nation.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	Nil

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

10

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	View File

1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development

offered by the Institution during the year**1080**

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	View File
Any additional information	View File

1.2 - Academic Flexibility**1.2.1 - Number of new courses introduced across all programmes offered during the year****69**

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

1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System**19**

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

The institution offers courses related to professional ethics, environment and sustainability and gender. These course enables students to understand and educated about the ethical values, responsibilities, and obligations of the professional to the society and the nation. Educate the engineering students about the scope and aim of professional ethics, their responsibilities, virtues like honesty, integrity and reliability, the risk and liability in the engineering profession. The course also imparts knowledge on IT ACT and its jurisdictions.

The institution offers course on environmental biotechnology, environmental impact assessment and environmental hygiene, sanitation and waste management in the undergraduate program to make the students know the living organisms and our environments to ensure sustainable development and improved standard of living.

The various courses offered by various departments catering Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values are listed in the attached files.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	View File

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

4

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	View File

1.3.3 - Number of students enrolled in the courses under 1.3.2 above

254

File Description	Documents
List of students enrolled	View File
Any additional information	View File

1.3.4 - Number of students undertaking field work/projects/ internships / student projects

2729

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	View File

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni

A. All 4 of the above

File Description	Documents
Provide the URL for stakeholders' feedback report	https://nmamit.nitte.edu.in/IOAC/AOAR%202021-22/CRITERION%201/1.4/1.4.pdf
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	View File

1.4.2 - The feedback system of the Institution comprises the following

B. Feedback collected, analysed and action taken

File Description	Documents
Provide URL for stakeholders' feedback report	https://nmamit.nitte.edu.in/IOAC/AOAR%202021-22/CRITERION%201/1.4/1.4.pdf
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

2.1.1.1 - Number of students admitted (year-wise) during the year

1236

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

2.1.2 - Number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per the reservation policy during the year (exclusive of supernumerary seats)

507

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 students' learning levels and organises special programmes for both slow and advanced learners.

- Students are encouraged to take up audit courses and value-added courses offered by the departments and MOOC courses from NPTEL and COURSERA.
- Students are encouraged to take up Summer Internships / Research internships in the institution and other institutions and organizations of repute.
- Students are encouraged to take up fast track semester in eighth semester in industries and R & D organizations and also in startups running in the incubation centre of the institution.
- Students are encouraged to be a part of research activities of the department and are encouraged to write research papers in reputed journals and conferences.
- They are encouraged to participate in different technical and hobby clubs and participate in regional / national level events, competitions and also in Hackathons etc.

Slow learners

- Slow learners are identified at the department level, including at the first year, by the first year coordinator. Slow learners are identified after their first mid semester examinations and are continuously monitored and additional classes are conducted to help them.
- In the department, slow learners are identified and monitored by arranging remedial classes for them in difficult courses. This is monitored at the department level by a senior faculty.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://nmamit.nitte.edu.in/IQAC/AQAR%202021-22/CRITERION%202/2.2.1/2.2.1.pdf

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
16/08/2022	5334	328

File Description	Documents
Upload 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:

Experiential learning

ICT in the teaching-learning process includes use of software and hardware. The faculty use classrooms with LCD projectors, Wi-Fi connectivity, PowerPoint presentations for providing advanced knowledge and practical learning. The faculty also use Moodle (LMS) effectively for different aspects of the teaching-learning process.

Participative learning

Seminars / workshops, model development, projects etc., use of case studies in teaching management courses, quizzes, survey camps, students taking up MOOC courses from platforms like NPTEL, COURSERA etc., self-study component in a few courses

Project based learning

Mini projects, major projects, development of innovative models, simulation studies, laboratories etc., adoption of PBL in a few courses and increasing the weightage given in CIE, hobby based projects and their exhibition.

Active learning

Development of mathematical models, implementation of various problems using Python, case study, brainstorming and group discussions, establishment of industry driven laboratories and hands on practice and experience to the students

Problem solving methodologies

Regular assignment in courses, regular quizzes, mini projects, case studies, tutorials in case of problem oriented courses, working on community projects to understand the real life problems.

File Description	Documents
Upload any additional information	View File
Link for additional Information	Nil

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

- This includes the effective use of Moodle (LMS) for scheduling and conducting online classes, uploading course content in the form of course material and ppt, communicating to the students by sharing information about various circulars from the institution and department. Regular updating of students with information about the institution and all academic matters. This platform is also used for evaluation and assessment for conducting quizzes, submission of assignments, conducting mid semester examinations and also using it in the conduction of online final examinations in MCQ format.
- Online delivery of lectures through platforms like Microsoft Teams, Google Meet, Zoom and Cisco Webex is also used.
- Class/Laboratory lectures are recorded, edited using open-source software for audio recording /editing, such as Audacity, OBS Studio and LossLess video/audio editor, presented in MOOC format and uploaded to YouTube.
- Further students are encouraged to use virtual laboratory services provided by NITK, Surathkal of which the Institution is a participating member. Faculty record laboratory sessions (in terms of experiments conducted)

and share it with students through Moodle to provide information about the experiments in different lab courses.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	http://guru.nmamit.in/
Upload any additional information	View File

2.3.3 - Ratio of students to mentor for academic and other related issues

2.3.3.1 - Number of mentors

220

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

- The COE, in consultation with the Dean (Academics) and the Principal in the beginning of each semester prepares the academic calendar. The academic calendar adheres to the stipulations specified by the affiliating University in terms of number of working days, number of days for examinations etc., and also taking care of the public holidays. Once the Academic calendar is approved by the Academic Council, it will be circulated for the information of all concerned through modes like email, notice board circular, website, Moodle, college calendar etc. The Academic calendar includes odd, even and supplementary semester details.
- At the department level, based on the academic calendar and prescribed syllabus, the faculty members prepare the lesson plan specifying the course objectives, course outcomes, number of hours of engagement, continuous internal evaluation (CIE) details, scheme of evaluation for the CIE, final semester examinations, details of text

books and reference books. After approval by the respective HODs and Dean (Academics), the lesson plan is shared with students in the form of a college calendar, either in soft copy or hard copy format and individual faculty share it with their respective students in their class. The dissemination of the calendar among the students helps them to be well prepared and take advantage of the flexibility provided.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality

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

328

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
Any additional information	View File

2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

148

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	View File
Any additional information	View File

2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

10

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	View File

2.5 - Evaluation Process and Reforms

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

6

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	View File

2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

290

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
Upload any additional information	View File

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

Processes/Procedures integrating IT

NMAMIT effectively uses IT for managing various processes, including examinations. The following processes are managed:

Course-registration

a. Student attendance, CIE marks, progress report and sending report to parents, daily absentee student details shared through SMS, Invigilation duty selection and allotment, Valuation centre work, Revaluation registration, Admission Ticket generation, coding and decoding process concerning valuation, result sheets generation and grade card generation and printing, Makeup/supplementary examinations registration.

Examination procedures

? An examination manual has been drafted, approved by the Academic Council and is being followed. This covers the entire examination process for both UG&PG courses offered in the Institution.

? To conduct the examinations in a fair and transparent manner, there is a need to detect and book malpractice cases.

? Finally, important formats of form required to be filled by the students and the examination officials have been documented. It is available at different locations depending upon the end users like students and faculty.

? Questions in the question papers are framed strictly based on Bloom's taxonomy, question papers of Mid Semester Examination and Semester End Examination include PO and COs

Continuous Internal Assessment System

CIA has 50 % weightage in the overall assessment and helps to keep track of the student performance during the semester. It mainly includes three components in all the theory courses, namely two mid semester examinations and the internal evaluation components, which can include Assignments, Quizzes, Course Projects supporting Project Based learning, Activities supporting active learning, Mini Projects etc.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://172.16.2.220/SMC/index.php

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme Outcomes and Course Outcomes for all Programmes offered by the institution are stated and displayed on the website and communicated to teachers and students

- For each program of study, the department needs to formulate Program Specific Outcomes (PSO). These are formulated through wide consultation with the stakeholders namely faculty, alumni, industry representatives etc. The Program Educational Objectives (PEO) are framed based on the inputs from faculty, alumni and industry representatives considering the latest technology trends, job demands and societal needs. They are communicated to the faculty in the department meeting and through email.
- Based on the program outcomes, faculty have to write course outcomes for the courses they teach. The course outcomes need to be fixed depending upon the number of credits and also whether it is a theory or laboratory course. The course outcomes are framed based on the Bloom's Taxonomy levels.
- The POs are disseminated to all the stakeholders through display boards at prominent locations in the department, college calendar, college website, department classrooms, laboratories, HOD cabin, college Moodle etc. The POs, COs and the mapping between the CO and PO are made available in the syllabus book and Moodle for dissemination to the students. Further individual faculty inform about the same in their respective classes to their students before the commencement of the classes in each semester. Further details of CO, PO, PSO and PEOs, their mapping and attainment are available in the course file for each course (both lab and theory) as well as for technical seminar, internship, mini and major projects with course instructor / coordinator

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	View File
Link for additional Information	https://nmamit.nitte.edu.in/IQAC/AQAR%202021-22/CRITERION%202/2.5.3/2.6.1.pdf

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

- The Program Outcomes (PO) and Program Specific Outcome (PSO) of a program are attained through the COs of all courses (both theory and lab) taught in a program and other components like technical seminar presentation, mini project, major projects and internships. There are two methods to assess the COs and POs
- Direct Assessment - It is carried out through evaluation of Course Outcome (CO) attainment of each course and POs and PSOs attainment of the program.
- Indirect Assessment - It is carried out through evaluation of the student responses to Course Exit survey administered for each course and Program Exit survey administered to outgoing batch of students each year. This will ascertain the level of understanding and approval of the students of different course outcomes, PO and PSOs.
- The assessment methods are classified as CIE (Continuous Internal Evaluation) and Semester End Examination (SEE). The overall attainment of a CO is measured with 1:1 weightage for CIE & SEE attainment levels.
- Since the values of Indirect CO, PO and PSO attainments are very high, only Direct assessment values are considered for the gap analysis.
- Gap Analysis: If the value of attainment of a CO of a course is less than the threshold value of 3.15 (out of 5) then the course coordinators are required to document the reasons for the low attainment and the necessary actions are taken/ suggested. A report regarding the same is submitted to the IQAC and it is discussed in the IQAC meetings.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

2.6.3 - Pass Percentage of students

2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

1468

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	View File
Paste link for the annual report	https://nmamit.nitte.edu.in/img/reports/annual%20report%202021-22.pdf

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://nmamit.nitte.edu.in/IOAC/AOAR%202021-22/CRITERION%202/2.5.3/2.7.1.pdf>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

The Institution has a well-defined policy for promoting research and regularly updating the research infrastructure. The various departments of the Institution, allocate adequate resources for procuring and maintaining the state of the art equipment and instruments.

Towards attaining the objective of promoting research culture in the institute, the following policies have been formulated.

- Increasing the number of faculty members with PhD
- Increasing the full-time Ph.D. scholars
- Increasing the number of publications by faculty members
- Creating independent research activity in the campus
- Providing wider research exposure to faculty members

For the implementation of these policies, the following steps have been taken.

- Research incentives are given to faculty members based on the performance related to academics, research and

administration

- Financial support was provided to file the patent.
- Ph.D. Faculty: Faculty members are deputed with full salary to the reputed institution to pursue full-time Ph.D.
- Requirement of publications for gaining promotion and performance incentives.
- Financial support is provided to interact with research scholars from India and abroad.
- Providing post-doctoral fellowship in the institution for international researchers
- Research funding: providing seed money to researchers
- increase full-time Ph.D scholars, an attractive stipend is provided.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://nmamit.nitte.edu.in/research/researchpromotionpolicy.pdf
Any additional information	View File

3.1.2 - The institution provides seed money to its teachers for research**3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)****1.38**

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	View File
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	View File
Any additional information	View File

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

2

File Description	Documents
e-copies of the award letters of the teachers	View File
List of teachers and details of their international fellowship(s)	View File
Any additional information	View File

3.2 - Resource Mobilization for Research

3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

70.30

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	View File
Any additional information	View File

3.2.2 - Number of teachers having research projects during the year

13

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://nmamit.nitte.edu.in/research-sponsor-projects.php
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

75

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	View File
Institutional data in Prescribed format	View File

3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

6

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	Nil
Any additional information	View File

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

In the last five years, NMAMIT-Nitte has focused on innovation development and subsequent transfer of technology from labs to land in line with changing times in technical education. NMAMIT has made arrangements for establishing systems which while

adding to the experience of students, also provide students guidance and know-how. The system such as EDC Cell, NAIN, AIC-Nitte, and various student clubs are in place.

The institute has established a research and innovation center that houses innovation and product development related to micromachining, actuators, microfluidic pump, power conversion systems, etc. The center has been able to develop various innovative products and some which have been able to find technology transfer. In addition, many standard clubs have been started such as SAE-BAJA club, aero club, Robotic clubs, etc. The govt. of Karnataka has provided NAIN [New Age Incubation Network] center, which provide the institution with funds for developing innovative products.

An entrepreneurial development support system shapes students to become entrepreneurs by taking financial help from the DST govt. of India.

the Institute houses Atal Incubation Centre (AIC), accorded by MHRD New Delh and it offers start-ups valuable guidance, technological assistance, access to investors, networking etc.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

45

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	View File

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for

A. All of the above

Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	View File

3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year

3.4.2.1 - Number of PhD students registered during the year

29

File Description	Documents
URL to the research page on HEI website	https://nmamit.nitte.edu.in/research-doctoral-studies.php
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	View File

3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

0.5

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	View File

3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year

0.35

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://nmamit.nitte.edu.in/research-publications.php

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

3.4.5.1 - Total number of Citations in Scopus during the year

124

File Description	Documents
Any additional information	View File
Bibliometrics of the publications during the year	View File

3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

3.4.6.1 - h-index of Scopus during the year

32

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	View File

3.5 - Consultancy**3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)****53.63**

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	View File
Any additional information	View File

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year**1.25**

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	View File
List of training programmes, teachers and staff trained for undertaking consultancy	View File
List of facilities and staff available for undertaking consultancy	View File
Any additional information	View File

3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

NMAMIT always aspires to ensure that, students once graduated become ambassadors. well being. In connection with this the college conducts several programs such as

- Rait bandhu project
- Polio Abhiyan
- Distribution of food kit to poor Nitte during lockdown
- Swatch Bharat Abhiyan
- Plantation program
- Blood donation camp
- Yoga day, constitution day, etc.

The programs are carried out by the NSS unit of NMAMIT, Red Cross unit, Rotary club of NMAMIT. The speech aid program which was also conducted in collaboration with Chaitanya special school and Vijetha special school aims at identifying a linguistic problem in children.

The plantation program is conducted every year under the joint partnership of the NSS unit and Biotechnology students. NMAMIT has in its campus, a bio-fuel information, demonstration and research center. Every year during the plantation program a large number of students plant seeding of plants in and around the campus which provide input in the form of feedstock for the bio-diesel center.

Under Swatch Bharat Abhiyan NMAMIT has conducted many programs with large student participation.

International yoga day has been conducted every year.

NMAMIT students of Rotaract club delivered food to remote places during covid 19 lock down.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	NIL

3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

1

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	View File
Any additional information	View File

3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

38

File Description	Documents
Reports of the events organized	View File
Any additional information	View File

3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year

2973

File Description	Documents
Reports of the events	View File
Any additional information	View File

3.7 - Collaboration

3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work

825

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	View File

3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

23

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

NMAMIT is an institute located beside the foot hill of western ghat, spread over 52 acres. Most of its academic activities occur in APJ Kalam, C V Raman, S Ramanujan, Sir M V and JKSHIM blocks and are built according to AICTE norms. All of its classrooms are equipped with ICT facilities and LAN/Wi-Fi. Also, smartboards are made available in selected classrooms and seminar halls, and CCTVs are also installed in academic areas for surveillance purposes. A Central Library facility is provided with access to books, journals, and e-learning resources. The department-level library is also set up for quick reference. "Turnitin", the plagiarism check tool, is freely accessible to all staff and students. Several Centres of Excellence and Industry-sponsored laboratories are established across the various departments to provide exposure to students in the respective domain. The research and innovation centre enables students to translate feasible ideas into projects. As per the New Education Policy, Skill Development labs are introduced to inculcate skill-based learning in the students. Air-conditioned classrooms, seminar halls, auditoriums with LAN, and Wi-Fi facilities are available with a connected campus with 1.5 Gbps internet access. Open air auditorium is available to carry out training, placement, extra and co-curricular activities.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	NIL

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

For the all-round development of students and staff, NMAMIT has provided an ample scope for curricular (academic), co-curricular, extra-curricular and extension activities over the years.

Cultural Activities

NMAMIT organizes cultural fest "INCREDIA" every year to provide a platform for the students from all over the state to showcase their talent. During this event, a notable icon from any of the cultural fields is invited to the institute. It will be hosted in the open air auditorium "Sadananda" which has 5000 people accommodating capacity.

Students, staff and faculties have excelled in various extra-curricular activities, participate in state and National level competitions and won awards and prizes.

For the interested staff/students, institute offers physical, mental, and spiritual practices viz., yoga, meditation practices and recreation classes to promote their mental and physical health.

Sophisticated fitness centre with modern equipment's was established in the institute campus.

Sports Facilities

The department of physical education aims to provide the students staff and faculty with an extensive range of sports recreation and leisure activities include both outdoor and indoor games. Several Sports Fest is conducted in the institute where a number of teams from across the country participate.

NMAMIT students have excelled in many tournaments of such kind.

Facility to conduct sports and cultural

Activities- Year of Establishment Area (SQM) Indoor Stadium (GF & FF) 1990 1378.00 Pavilion Building 2013, 2016 442.30 Open Air Auditorium Sadananda 2014 2717.00 Gymnasium Centre 2014 346.00 Sports Complex Cricket Ground 2016 29400.00 Sports Complex Football Ground 2016 9600.00 Sports Complex Hockey Ground 2016 11000.00 Seminar Halls 2009 Varying from 125 Sqm

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	https://nmamit.nitte.edu.in/sports.php

4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

97

File Description	Documents
Upload any additional information	View File
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

988

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	View File

4.2 - Library as a Learning Resource

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

The Institution has a Central Library in S Ramanujan block with a total area of 3100 sqm and has a capacity of 350 users at a time. It is automated using Koha library software (open-source), which is an ILMS that supports inhouse operations of Cataloguing and Circulation through a dedicated server with IP 172.16.15.241:8100. The library has various sections such as periodical, reference, audio visual, digital library, reading room and circulation. Separate library facility is available for management students in Justice K S Hegde Institute of Management block with a carpet area of 418 sqm. and seating capacity of 80 users.

The library has a rich collection of 39313 titles and 87470 volumes. The institution has subscribed more than 43,000 e-resources from various publishers through VTU consortium.

The MapMy Access platform provides remote access of e-resources to registered users of the institute, link for remote access: <https://nmamit.mapmyaccess.com/>

A total of 166 print periodicals that include National and International journals and technical magazines are available. Library resources have been completely bar-coded and computerized.

The library offers On-line Public Access Catalogue (OPAC) (<http://library.nmamit.in/>) which allows access of bibliographic details of the books available in the Central Library.

Digital Library is equipped with 18 Desktops with Wi-Fi and LAN enabled with 310 Mbps for fast and seamless access to the Internet and e-Resources for the benefit of their academic and research.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

4.2.2 - Institution has access to the

A. Any 4 or more of the above

**following: e-journals e-ShodhSindhu
Shodhganga Membership e-books
Databases Remote access to e-resources**

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	View File

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

60.61

File Description	Documents
Audited statements of accounts	View File
Any additional information	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 - Usage of library by teachers and students (footfalls and login data for online access)

4.2.4.1 - Number of teachers and students using the library per day during the year

11

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

4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

The institute adheres to the following IT policies:

1. Desktop distribution, hardware installation and maintenance policy

2. Software Installation and Licensing Policy**3. Acceptable Usage of Network (Intranet & Internet) Policy****4. Acceptable Use, Email/E-mail Account Policy****5. Access Controls, Account Policy**

The institute has an IT team headed by System Administrator to maintain the IT Infrastructure. Institution has Internet server (DHCP server), eLearning server (Moodle), Student Information server (Smart Campus), and Surveillance server. There are three 80 KVA UPS for the power backup.

Annual IT budget of the institute is about 1.25 crores. The number of computers was 1465 in the year 2015-16. The number of computers in the year 2021-22 is 2422 for a total 5339 students with the students to computer ratio of 2.23. Wi-Fi facility is provided in the college campus and hostels through 164 access points. The internet speed is 1.5Gbps. Access to internet is controlled through Sophosfirewall.

All classrooms are provided with LCD projector. The institution has facilities for e-content development with a media center for academic guidance and learning.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
4404	1972

File Description	Documents
Upload any additional information	View File

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus

A. 750 Mbps

File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	View File

4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing

B. Any three of the above

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of physical and academic support facilities, excluding salary component, during the year (INR in lakhs)

1463

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	View File

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

The Resident engineer's office in the institute ensures timely maintenance of the physical, academic and support facilities like laboratory, library, sports, indoor stadium, computers, classrooms etc by centralised mechanism.

Laboratories:

The laboratories in all the departments of the Institute are well equipped with state of art facilities and well maintained to conduct the lab experiments. The equipment and machineries in the laboratory/workshop are maintained by well-trained technical staff.

Classrooms:

The hygiene and cleanliness along with COVID 19 protocols are maintained with the support staff (Housekeeping) assigned to a designated location.

IT Infrastructure:

The system administrator is the person in charge of the IT infrastructure in the Institute. He along with his team of technical staff and lab assistants ensures effective and efficient maintenance of the IT Infrastructure.

Electrical Works and Maintenance:

The College has a very strong in-house team of well-trained electricians and plumbers who maintain the IT and electrical services such UPS backup, Generator, Air Conditioners, CCTV cameras, LCD Projectors lift-maintenance, STP Plant, Water Purifiers.

Library facility: The Library headed by a qualified Librarian and ably supported by library staff ensures smooth and efficient functioning of the library. He also tackles issues relating to library facilities. Sports and Ambulance facility is also maintained by the college.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

3540

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	View File

5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

418

File Description	Documents
Upload any additional information	View File
Institutional data in prescribed format	View File

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology

A. All of the above

File Description	Documents
Link to Institutional website	https://nitte.edu.in/playground.php
Details of capability development and schemes	View File
Any additional information	View File

5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year

3450

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

5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees

A. All of the above

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

5.2 - Student Progression

5.2.1 - Number of outgoing students who got placement during the year

917

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

5.2.2 - Number of outgoing students progressing to higher education

24

File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	View File

5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

13

File Description	Documents
Upload supporting data for students/alumni	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 and/or cultural activities at inter-university / state /national / international events (award for a team event should be counted as one) during the year

47

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File

5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

Students' Council:

NMAMIT facilitates and encourages student participation in all its endeavours. Their feedback and suggestions are considered with utmost importance. Students select active student members

for the Page 49/83 27-04-2022 10:55:43 Annual Quality Assurance Report of NMAM INSTITUTE OF TECHNOLOGY (AUTONOMOUS) core group (which is called student council) to organize all the cocurricular andextracurricular activitiesheaded by the Dean Student Welfare. Each activity is mentored and supported by the faculty members. The required funding to conduct events is met by theInstitution

NMAMIT student community has a practice of electing student representatives for each class of students and electing for branch association office bearers. These class representativescoordinate all the academic activities and other facilities required for the conduction of classes.

In addition to these committees, the institution has various student clubs such as, Grey Matter (Quiz Club), Rachana (Art), Authorcraft (Poetry), Yuj For Life (Yoga), Annadana (Food Donation), Aura (Helping Hand), Clicz:Photography, Kalanjali (Dance), Stereo (Singing), Soft skills and Communication Association, Thaleem- The Drama (Acting), and ISIRI Kannada Samithi.

Following are the committees formed by the institution with student representatives in each committee:

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

5.3.3 - Number of sports and cultural events / competitions organised by the institution

5

File Description	Documents
Report of the event	View File
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	View File

5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

WENAMITAA, the alumni association of NMAM Institute of Technology, Nitte is established to create and maintain a permanent bonding between the Institute and its alumni. It is functioning since 1992, and officially registered in 2013. The Parent chapter at Nitte has two chapters functioning at Bengaluru and Middle East. The Middle East Chapter "ME-NMAMIT" and Bengaluru chapter "BE-NMAMIT" are actively engaged in conducting various events involving NMAMIT alumni. Annual alumni meet along with the members/office bearers of WENAMITAA and its chapters to familiarize the various activities, developments and the achievements of the college/alumni is a flagship event. The above parent and affiliated chapters contribute through financial and other support services to enhance academic and research related activities which involves financial support, knowledge sharing, placement, entrepreneurship etc.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.menmamit.com/

5.4.2 - Alumni's financial contribution during the year

E. <2 Lakhs

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 an effective leadership in tune with the vision and mission of the Institution

VISION

Pursuing Excellence, Empowering people, Partnering in Community

Development

MISSION

To develop NMAM Institute of Technology, Nitte, as Centre of Excellence by imparting Quality Education to generate Competent, Skilled, and Humane Manpower to face emerging Scientific, Technological, Managerial and Social Challenges with Credibility, Integrity, Ethics, and Social Concern.

QUALITY POLICY

We the members of NMAMIT recognize our students, their parents as well as their prospective employers as our esteemed Customers. We commit ourselves to provide education to our students as per the stipulated syllabus using the best practices in order to achieve Customer delight. Our target is to reach the position of the best technical Institutes in India and we aim at sustaining this position.

Strategies-

- Modern and precise educational experiences that develop the engineers.
- An inclusive atmosphere that facilitates personal commitment to the educational success of students in an environment that values multiplicity and society.
- Education and research partnerships with Universities, Institutes, and Industries.
- Leadership and service to meet social needs.
- Governing body designs and executes Short-term, Long-term plans integrating departmental plans, findings of SWOT analysis, and other recommendations from the stakeholders.
- Top management with the help of the department-wise committees formulates quality policy and integrates the same in the strategic plan. Formulation of action plans and defining the policy objectives attempts to address the issues of systematic change to provide quality education.
- Practices efficient teaching learning with student centric creating academic ambience.
- Institute facilitates identification and interactions with industries to establish centres of excellence department wise.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://nmamit.nitte.edu.in/about-nmamit-nitte.php#vision-mission

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

Participative decision making – Governing Council Includes alumni, student nominees, nominees from the University, Government, AICTE & UGC, faculty members of the college, industrialists, and experts from the academia.

Decentralization:

NMAMIT employs decentralization and participatory management in all levels of the organization's activities. Different boards and committees as well as well-defined processes are used to offer leadership, manage various functions, and take appropriate action in accordance with the organization's vision and mission.

- Availability of rules & regulations
- Institution policies and norms for services, promotions & incentives
- Self-appraisal system
- Feedback from Stakeholders
- Research committees for R&D activities
- Budgeting and Purchase committee for equipments and consumables.

Participation in Curriculum Review Process:

The curriculum/programme evaluation process was developed in cooperation with subject-matter experts. IQAC reviews the stakeholder's feedback. BOS at department level and Academic Council at the Institute level reviews the curriculum based on the feedback from various stakeholders.

Feedback: To review and receive feedback on each programme, the Institute employs various techniques.

The following are the many channels that are used:

- Individual class feedback by faculty, HOD and college Dean
- Class Committees
- Departmental Board of Studies, Examination (BOS, BOE) and DUGC
- Valuers in Semester-End Examinations
- Academic Council
- Alumni and Parents
- Employers
- Internal Quality Assurance Cell (IQAC)
- ISO internal and external audit

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	View File
Paste link for additional Information	https://nmamit.nitte.edu.in/sdp.php

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

Strategic Development Plan directs the institute to accomplish its formulated vision and mission by understanding the current scenario and the expected future scenarios. First phase of Institutes SDP involves examining the vision and mission as well as working towards good quality policy and core values. SWOT Analysis is adopted to conduct the scientific scan of the internal and external environment. Following a thorough examination of the environment institutional goals were established as well as the strategies are drawn at institutional level to achieve the defined goals. Since departments play a critical role for the institution each department has worked out on their vision, mission and short, mid and long-term objectives.

The head of the institution separately maintains the financial budgets and its allocation with the stipulated timelines. A committee to monitor the effectiveness of SDP has been clearly spelt out. The final outcomes are further discussed and approved by Board of Governors .

Ensuring the effective implementation of best teaching learning

practices of this strategic goal various measures are taken inclusive of bench marking with premier institute, outcome-based education, project-based learning and online/e-learning. Also, a great amount of emphasis is given on using digital tools for teaching learning such as Moodle as an LMS . Institute has been ranked 175in engineering category under India rankings 2022conferred by the National Institutional Ranking Framework The Institute has been recognized by ATAL Rankings of Institutions on Innovation Achievements under the "Excellent band" for the year 2021.

<https://guru.nmamit.in>

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://nmamit.nitte.edu.in/sdp.php
Upload any additional information	View File

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

The President of NET is the chairman of the Governing-Body of the Institution. The key components of organizational structure of the college are Governing-Body, NMAMIT-Principal, HODs, Teaching-staff, Non-teaching staff ,Support cells/Departments. It reviews the institutional-strategic plan, which sets the academic objectives of the institution and identifies the financial and recruitment-strategies. The organizational structure lends itself to sustaining institutional capacity and educational-effectiveness through the involvement of external members in various Committees/ Boards. Various stakeholders of the institute are members of different committees constituted by the institution. The decision-making procedures are made at appropriate levels in the organizational hierarchy.

As per the university/government guidelines, IQAC, Anti-ragging-Cell etc. are also in place. A committee comprising of administrative staff and faculty members are involved in the planning and implementation, academic audit and evaluation.

NMAMIT strictly follows the service rules according to the AICTE norms. Recruitment process is carried out according to the norms

of AICTE, a body comprising of university representative, management representative. The teaching, non-teaching staffs have the benefits of PF, Gratuity, Medclaim, Causal leaves, Restricted leaves, Earned leaves, Maternity leaves and other benefits as applicable. The institution follows the good academic standards; provide free transport facility to the staff members. Regular student feedback on improving quality of teaching learning process as well as Institutional governance are taken in every semester.

Suggestion/complaint box is kept near the Principal office/Security office for matters related to grievances of staff and students. The Institute has formed all statutory committees like Anti-Ragging-Committee, ICC and hostel-visit-Committee to help the students.

File Description	Documents
Paste link to Organogram on the institution webpage	https://nmamit.nitte.edu.in/college-administration-committee.php
Upload any additional information	View File
Paste link for additional Information	Nil

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
Details of implementation of e-governance in areas of operation	View File
Any additional information	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

https://nmamit.nitte.edu.in/IQAC/AQAR_2021-22/CRITERION_6/6.3.1/6.3.1.jpg

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://nmamit.nitte.edu.in/IQAC/AQAR_2021-22/CRITERION_6/6.3.1/6.3.1.jpg

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

23

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 programmes organized by the Institution for its teaching and non-teaching staff during the year

6

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	View File

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

158

File Description	Documents
Summary of the IQAC report	View File
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

The financial auditing of the Institute is conducted in accordance with the auditing standards generally accepted in India. These standards compel the auditors to plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatements. An audit includes examining on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit process at the Institute includes assessing the accounting principles used and significant estimates made by the management as well as evaluating the overall financial statement presentation. The Institute maintains multiple platforms such as Nitte-Accounting-Computing-Systems, PRAPTHA, HR-Officeto store and access the various records.

The Institute has appointed an internal auditor Mr. Mohandas Pai as a Chief-Internal-Auditor through NET. Institute has a separate Internal Audit Section where in Ms. Shruthi handles the audit related work on a daily basis. Chief-Internal-Auditor visits the Institute regularly. The External-auditor Mr. M. R Kamath, Chartered-Accountant from Mangalore who has been appointed by the NET visits the Institute twice a year. List of significant discrepancies are prepared and reported to the account-section of the Institute for the clarification and future-actions. The concerned authority at the account section provides the necessary explanation with valid proofs. The Auditor prepares Audit-findings, conclusions and necessary recommendations to the audit-report discussion drafts. The Institute comments on the draft and works with the audit-team to reach an agreement on the audit findings. The auditor then prepares a formal draft taking into account any revisions after the discussions and the final audit-report is generated

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://nitteonline.co.in

6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

Nil

File Description	Documents
Annual statements of accounts	View File
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	View File
Any additional information	View File

6.4.3 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

The major source of fund is the annual fees collected from students. The fees are collected as per the state government guidelines of fees. The major source of fund is the annual fees collected from students as per the state governments guidelines. The other sources are the bank interest on deposit, consultancy charges and the research projects funded from funding agencies like DST, DRDO, AICTE, KSCST and UGC. The inflow of fund for various financial years is as shown below.

Financial statements:

[https://nmamit.nitte.edu.in/IQAC/AQAR 2021-22/CRITERION 6/6.4.3/finance.pdf](https://nmamit.nitte.edu.in/IQAC/AQAR%2021-22/CRITERION%206/6.4.3/finance.pdf)

The institute follows a systematic approach towards the allocation of budget. All the departments are requested to submit an estimate of requirements for their respective department for every year which is discussed under finance committee of the college and approved. The major expenditure is the employee salaries and incentives.

The expenditures are shown in the table below:

https://nmamit.nitte.edu.in/IQAC/AQAR_2021-22/CRITERION_6/6.4.3/expenditure.pdf

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://nmamit.nitte.edu.in/IQAC/AQAR_2021-22/CRITERION_6/6.4.3/finance_merged.pdf

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

The Institute was awarded QS-I Gauge E-lead certificate for the initiatives taken in teaching methods for effectively reaching the students during the Lockdown period. This helped the students in continuation of their learning during the lockdown.

Good number of FDPs were conducted and large number of faculties participated in such FDP's held. There was an Increase in MOOC courses learning among students and faculties due to the support given by the institute to upgrade the skills with the latest and relevant technologies.

Improved funding for start-ups from NitiAyog.

Increase in external funding from Rs. 70 lakh in 2019 to Rs. 1 Crore 4 lakh in the Calendar year 2020.

Institute had 250+ Scopus and WoS publications in the current academic year.

As per the suggestion by IQAC members, for the Continuous Improvement in the teaching learning process, the course outcome(CO) attainment is increased from the current level of 3 to 3.15 [5% increase].

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://nmamit.nitte.edu.in/iqac.php

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

Periodic reviews at dept level, HOD forwards the report to IQAC

- IQAC aims to improve the teaching-learning process and recommend the progressive adoption of Outcome-Based Education (OBE) in all the programmes offered at various levels.
- A performance-driven, result-oriented strategy is used with an emphasis on accountability based on student learning.
- At the course level, outcome-based education attempts to provide a student-centric learning environment.

The IQAC improves the teaching-learning process by implementing established academic procedures, which include:

1. Academic Calendar preparation and adherence
2. Nominal roll preparation, attendance sheets, and section/group formation
3. Electives (open, departmental, or science-based)
4. Assignment of courses Preparation of a load chart and a timetable
5. Course file preparation
7. Seminars, projects, and industrial training are all conducted.
8. Monitoring student attendance
9. Coverage of the syllabus

- Necessary changes implemented in BOS and during course delivery in the successive semester
- The Board of Studies (BoS) is the foundation of an institution's academic system. Its responsibilities will include framing the content of various courses, periodically reviewing and upgrading the content, and offering new courses of study.
- Suggestions for improvement in teaching pedagogy

- Flipped classes
- Use of digital media, videos, animations and MOOCs in teaching
- Project based learning initiatives
- Self-study materials for open ended learning
- Self learning assignments
- Organized student discussions, seminars, and talks.
- Solicit a questionnaire from them based on their syllabus.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://nmamit.nitte.edu.in/igac.php

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)

A. Any 4 or all of the above

File Description	Documents
Paste the web link of annual reports of the Institution	https://nmamit.nitte.edu.in/igac.php
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	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

The institution promotes various gender equity measures and allocates same resources and opportunity for both the gender to reach an equal outcome. The following activities have been conducted to promote gender equity.

Annual gender sensitization action plan

- The college has initiated several measures and organizes programmes to promote the culture for female gender equity providing appropriate empowerment to women. Head of Counselling Centre gives necessary support and programmes through PROSH (Prevention of Sexual Harassment) committee.

The following facilities for women in terms of:

a) Safety and Security

- Security services have been provided in the college as well as in the hostels at different locations.
- 24X7 ambulance services is available within the campus
- Anti-ragging helpline number is displayed in the college at various exit and entry points and at each department's main corridor.

b) Counselling

- Counseling is carried on with the students having problems periodically to ensure his or her wellbeing and is being

kept confidential.

c) Common Rooms

- Ladies room facility is being provided in each building with well-equipped lighting, table, chairs and bed, providing a calm environment for utilization and benefit.

d) Day care centre for young children

- Accommodation of staff quarters is being provided to the needy lady staff having small children to ensure their concern.

e) Any other relevant information

- Round the clock ambulance service is provided in the campus
- Supplementary semester is held for the students who failed in the semester end examination

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

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

A. Any 4 or All of the above

File Description	Documents
Geotagged 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 a maximum of 200 words)

The degradable and non-degradable waste in the institution

campus is segregated systematically with the following facilities

- Solid-waste-management

In order to address the issue of solid and liquid resource management, institute with the co-operation of Nitte village Panchayath, started an solid and liquid resource-management unit in the campus.

<https://nmamit.nitte.edu.in/IQAC/AQAR 2021-22/CRITERION 7/7.1.3/chart.png>

Budgetary provision for expenditure towards collection and sorting of waste: The institution makes provision in the budget to accommodate annual salary expenditure for the collection and sorting of waste.

Liquid waste management: Waste water generated in the campus undergoes re circulation after treatment at Sewage Treatment Plant and is used for garden and lawn maintenance. The treated water is also utilized for toilet flushing throughout the campus reducing the consumption of fresh water.

- Waste recycling system: All non-biodegradable solid waste generated in and around the campus is sent to SLRM for recycling.
- All biodegradable organic solid waste generated in the hostel and Canteen is segregated and sent to Nitte Gram Panchayat SLRM unit.
- Biomedical & Hazardous chemicals and radioactive wastemanagement: The institute does not generate these waste.
- E-waste management: All the E-waste generated in the institute is collected and stored in a suitable designated place (ground floor of bank building, below the stair case leading to innovation centre).
- The organic waste generated in the staff quarters is handed over to Panchayat collection vehicle on daily basis, which is composted at Panchayat premise and surplus is sent to composting centre at Karkala.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geotagged photographs of the facilities	View File
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

A. Any 4 or all of the above

File Description	Documents
Geotagged 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**

A. Any 4 or All of the above

File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File

7.1.6 - Quality audits on environment and energy undertaken by the institution	
<p>7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:</p> <ol style="list-style-type: none"> 1. Green audit 2. Energy audit 3. Environment audit 4. Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities 	<p>A. Any 4 or all of the above</p>
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
<p>7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.</p>	<p>B. Any 3 of the above</p>

File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	View File
Details of the software procured for providing 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, socio-economic and other diversities (within a maximum of 200 words).

Institution takes initiatives and provides equal opportunity across divers groups for tolerance andharmony:

Various religious festivals are being celebrated as a mark of respect towards religions among different category of students and staff residing from different places. Some of the functions celebrated in our campus include:

- National Festivals: Republic Day, Independence Day, Holi, Diwali, Christmas etc.
- State Festivals: Karnataka Rajyotsava is being celebrated with bright, cultural respect
- Birth Anniversaries: Teachers Day and Engineers Day
- For the benefit of the students, North-Indian mess for the students coming from Hindi belt is also arranged.
- Socio-economic programme: Program on personal safety and hygiene was given to the nearby government primary school by the students. This was performed by stage play and quiz.
- Tudar (tulu) club has been inaugurated.

Inauguration of iMac Lab for Skill and Personality Development Program Centre for SC/ST students:

The iMac lab of Skill & Personality Development Program Centre for SC/ST students at NMAMIT, Nitte was inaugurated on 20 August 2020. Funded by AICTE, New Delhi, this Centreengages in imparting language skills, interpersonal skills, interview facing skills, entrepreneurial skills in addition to software

development skills using ios platform. The Centre conducts skill & personality development programs for the underprivileged SC/ST engineering and diploma students.

The centre has conducted events like

- iOS App Development Training
- A special Lecture Series on Personality Development Skills

GATE coaching through online mode

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

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

The college practices and believes in following ethical principles and committed to follow values, rights, duties and responsibilities for a healthy functionalizing of the campus environment.

- NMAM Institute of Technology (NMAMIT) has introduced a compulsory paper on the Constitution of India and professional ethics at UG level create awareness and sensitization of the students and employees to constitutional obligation and towards strengthening the democratic values.
- Open elective and global elective courses such as philosophy, introduction to yoga, principles of physical education, overview of Indian culture and arts, professional and cognitive community are offered to inculcate values, rights, duties and responsibility towards society..
- NMAMIT has been affiliated to the Youth Red Cross Wing of the Indian Red Cross Society Bengaluru in the Year 2017.
- Anti-ragging meet is organized in the institution every year to brief students regarding the dos and don'ts that they need to follow in the campus.

The institute has received approval to start NCC Naval wing with capacity of 50 cadets from the academic year 2020-2021. The

inspection of the college was carried out by Cdr. T. Nanda Kishora, CO, 6 Kar Naval Unit NCC, Udupi, in the month of October 2020.

The NEP 2020 has given a clarion call for holistic value-based education to prepare our youth and develop our Nation, "Universal human values as a course is introduced. In view of this the institute has initiated Preparation of Faculty Mentors many faculties have been certified and few more are in the process of getting certified.

File Description	Documents
Details of activities that inculcate values necessary to transform students into 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 sensitization 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, teachers, administrators and other staff Annual awareness programmes on the Code of Conduct are organized

A. All of the above

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 programmes, 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

Institution provides equal opportunity to all and celebrates Karnataka Rajyotsava, Christmas, Holi and Diwali. Intercollegiate student festival called Incridea is conducted for four days every year, which includes cultural programs like arts and dance. This makes the student comfortable and homely even though they are coming from other regions of the country. For the benefit of the students, North-Indian mess for the students coming from Hindi belt is also arranged. Apart from these Biofuels day and AyudhaPujaCelebration is conducted every year in the institute.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	View File
Any other relevant information	View File

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

Best practices I

To create opportunity for students for experiential learning industry powered laboratories have been initiated in the institute in various departments. These include, Active learning Mechatronics NMAMIT-FESTO Centre for Automation Technology and NMAMIT-Fronius Center for Welding Technology provide skill development training by the department of mechanical engineering. Department of information science and engineering have NVIDIA Server for AI/DL research. Soil testing lab (STL) started in 2020, is a mini consulting project component in the Civil Engineering/Biotechnology program. Similarly, Texas Instruments Center of Excellence of Electronics department creates opportunities for students to learn about microcontrollers and interfacing sensors and actuators.

Best practices II

To introduce project based learning (PBL) concept for outcome

based education, the institute started implementing problem based learning approach to few courses. Project Based Learning (PBL) is a teaching method in which students learn by actively engaging in real-world and personally meaningful projects. Department of biotechnology introduced Project Based Learning in Biocomputing with SAS Lab. The general hypothesis that non-circuit branch students such as biotechnology students dislike programming courses is not true when such courses are structurally taught making best use of ICT and pedagogical techniques. Similarly PBL was introduced for IOT course of Computer Science and Engineering. From the survey results, it can be concluded that the PBL is beneficial to the students to gain sound knowledge in the subject, to be good in problem solving skills and team work.

File Description	Documents
Best practices in the Institutional website	https://nmamit.nitte.edu.in/img/igac/best_practices2020-21.pdf
Any other relevant information	https://nmamit.nitte.edu.in/img/igac/best_practices2020-21.pdf

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

NMAM Institute of Technology, Nitte has established a full-fledged Internet Radio Station named RADIO NITTE. The setup consists of a Sound Recording Studio and various necessary equipment for streaming and podcasting programs.

The main objective of this initiative is to provide a platform for the students to showcase their talents and to provide them hands-on experience in recording, editing and broadcasting varieties of programs of public interest. 'Radio Nitte' intends to disseminate information to listeners from across the world by airing programs related to Education, Indian Culture, Social life, Science & Technology, Agriculture, Healthcare, Rural development, etc. The Radio station will be operational between 5:00 pm and 5:30 pm on weekdays(i.e Monday to Friday).

Initially, the team had suggestions from experts to run the show for an hour every day. But, then, after a meeting, it was

decided to start off the airing initially for duration of 30 minutes on weekdays. It is a bit challenging to get students or other local people to come and perform for us. Any listener for that matter would expect distinctiveness in the content/program. So, attracting students from different cultural or technical backgrounds has been tough for the team. But, so far, the team is managing successfully in streaming varieties of programs every day inspite of this limitation.

'Radio Nitte' is accessible on both Android and Apple mobiles, also on Tabs, Laptops and other computing devices through a customized App named 'RADIO NITTE'.

File Description	Documents
Appropriate link in the institutional website	https://nmamit.nitte.edu.in/img/igac/inst-dist20-21.pdf
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

- To Attract Top talented students
- To Attract Talented Faculty, Development& Retention
- To Strengthen Institutional Social Responsibility & Extension activities
- To initiate twinning programs with leading universities
- To identify nearby villages for carrying out projects having societal impacts
- To Strengthen Industry Institute Collaboration through active MoUs
- To achieve 100% placements and better prospects in higher studies opportunities