



YEARLY STATUS REPORT - 2021-2022

Part A

Data of the Institution

1.Name of the Institution		Nitte (Deemed to be University)
• Name of the Head of the institution		Satheesh Kumar Bhandary
• Designation		Vice Chancellor
• Does the institution function from own campus		Yes
• Phone no. of the Vice-chancellor		08242204300
• Alternate phone No.		9611126729
• Mobile no (Vice-chancellor)		9845130517
• Registered Email ID (Vice-chancellor)		vc@nitte.edu.in
• Address		University Enclave, Medical Sciences Complex, Deralakatte
• City/Town		Mangaluru
• State/UT		Karnataka
• Pin Code		575018
2.Institutional status		
• University		Deemed
• Type of Institution		Co-education
• Location		Rural

• Financial Status	Private				
• Name of the IQAC Co-ordinator/Director	Harsha Halahalli				
• Phone No.	918242204301				
• Alternate phone no.	918242204302				
• Mobile No:	9731547660				
• IQAC e-mail ID	iqac@nitte.edu.in				
• Alternate e-mail	harsha@nitte.edu.in				
3.Website address	www.nitte.edu.in				
4.Whether Academic Calendar prepared during the year?	Yes				
• If yes, was it uploaded in the Institutional Website?	http://nitte.edu.in/naac/2022/AOAR2022/Academic_Calender2021-22.pdf				
5.Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 2	A+	3.4	2021	16/03/2021	15/03/2026
6.Date of Establishment of IQAC			17/11/2013		
7.Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.					
Institution/ Department/Faculty	Scheme	Funding agency	Year of award with duration	Amount	
Nil	Nil	Nil	Nil	Nil	
8.Is the composition of IQAC as per latest NAAC guidelines			Yes		
• Upload latest notification of formation of IQAC			View File		
9.No. of IQAC meetings held during the year			4		

<ul style="list-style-type: none">Have the minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website	Yes	
<ul style="list-style-type: none">(Please upload, minutes of meetings and action taken report)	View File	
10.Did IQAC receive funding from any funding agency to support its activities during the year?	No	
<ul style="list-style-type: none">If yes, mention the amount		
11.Significant contributions made by IQAC during the current year (maximum five bullets)		
a. Ranked among Top100 in NIRF Rankings b. Ranked among Top 450 in QS Asia Rankings c. Ranked in 201-300 Band in THE Impact Rankings d. Development of Strategic Plan-2030 e. Designation of NUCSER as FAO candidate Reference Centre on AMR and Aquaculture Biosecurity		
12.Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year		
Plan of Action	Achievements/Outcomes	
Offer at least 10 Value Added Courses	Offered 32 Value Added Courses	
Each department to introduce at least one innovative student-centric method of teaching-learning.	Introduced successfully	
Create online activities on NUeLearn to support at least of 20% curriculum delivery	20% of the Curriculum delivery was through NUeLearn	
Create support system for students preparing for competitive examinations	25 activities related to career guidance, placement, entrepreneurship and employability enhancement conducted	
To publish 350 papers indexed in Scopus/Web of Science	516 papers published	

13. Whether the AQAR was placed before statutory body?	Yes				
<ul style="list-style-type: none"> Name of the statutory body 					
<table border="1"> <tr> <td>Name</td> <td>Date of meeting(s)</td> </tr> <tr> <td>Board of Management</td> <td>28/11/2022</td> </tr> </table>		Name	Date of meeting(s)	Board of Management	28/11/2022
Name	Date of meeting(s)				
Board of Management	28/11/2022				
14. Does the Institution have Management Information System?	Yes				
<ul style="list-style-type: none"> If yes, give a brief description and a list of modules currently operational 					
<p>The Information Technology department of the University has developed a wide range of software applications in-house and has acquired other systems to complement to provide IT solutions for various aspects of the University's functioning. The following is a list of such tools : Administrative support tools</p> <p>Nitte Accounting and Computation Software (NACS) - An in-house developed finance and asset management software</p> <p>Praptha - An inhouse developed Student Fee Management System</p> <p>Niketa - Student's Hostel management for administering hostel transactions.</p> <p>Nitte HRMS - Human Resources Management System for maintaining faculty profiles, salary disbursement, and income tax management.</p> <p>Fixer - Maintenance management system for raising service tickets and tracking complaint resolution.</p> <p>Tracker - Procurement management system for raising purchase requests, procurement and vendor bill payments</p> <p>Biometric attendance system for the faculty.</p> <p>Integrated Library Management System (EasyLib) for creating access to library resources, managing book reservation and issue and stock management.</p>					

Online leave application and approval system.

Student and faculty online feedback system Hospital Management Tools

Robo Soft - Hospital Records Management System.

Free Dent - Patient tracking system for the Dental Hospital

Picture Archiving and Communication System (PACS) for storage and access of medical imaging records. Academic support tools

Chaitanya - Inhouse developed Student Information System for student information, digital documentation, attendance and performance tracking with automated alerts to teachers and parents.

ELogiSys - Examination Management system for automation of all parts of the examination system including registration, hall ticket issue, uploading of internal assessment marks, onscreen manuscript evaluation, marks compilation, identification of papers for third evaluation, results generation and marks card preparation.

Takshila, evaluation and result generation system has been implemented, through which student can access his exam results.

NUeLearn, a comprehensive Learning Management System based on open source Sakai platform, offers course pages for delivering elearning resources and academic administration.

Lecture Capture System in five of the constituent colleges for automated capture of lecture videos from classrooms and sharing through an online portal.

Nitte Resurgence - a research support platform which offers publication advisory services, archiving of research achievements of the faculty, publication quality monitoring and research incentive management.

Turnitin - plagiarism detection software for quality monitoring of student theses and publication manuscripts.

Grammarly English Writing support tool.

Performance Based Appraisal System

15. Multidisciplinary / interdisciplinary

Reforming education to include the core competencies of interdisciplinary teamwork and quality improvement techniques is a key strategy to improve quality in education. As per NEP 2020 the University has facilitated students to experience multidisciplinary education and get a chance to take courses from other disciplines. The blend of core subjects and interdisciplinary topics will help students to shape their career options in professional practice. Nitte (Deemed to be University) offers Multidisciplinary/ interdisciplinary courses that have great potential for employment in various programs in the areas of Mass communication, Speech and hearing, Nursing, advanced Science education to facilitate Research & Development. The course curricula are designed to help students gain hands on experience and develop skills in conventional and advanced techniques in addition to the theoretical knowledge from highly competent faculty with expertise in diverse areas of health science, para medical programs and mass communication research. Interdisciplinary courses have been introduced both in the undergraduate and post graduate levels.

16.Academic bank of credits (ABC):

Nitte University has registered in NAD for uploading the grade cards of students. The university has adopted MOOC Courses offered on SWAYAM platform for credit transfer effective from 01-08-2020 and about 175 students have earned credits during 2021 and 2022. The student registration in ABC will be initiated during the AY 2023-24 on receiving more clarity from the regulatory authorities.

17.Skill development:

The curriculum of both the undergraduate and the postgraduate programs offers skill development/enhancement courses. In addition, specific value-based and/or skill-based courses of 16+ hours of learning which are aimed at providing hands- on- training, competencies, and skills. These courses are chosen from a pool of courses by the students to become industry ready and better employable. Reskilling and upskilling initiatives keep the students abreast with the latest technological developments in the field of health care.

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

A course on Basic Language (Kannada/Malayalam/Tulu) and Indian culture is introduced. The Vernacular Kannada /tulu/Malayalam has been practiced by faculty wherever necessary.

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

Intended learning outcome statements have been drafted for all programmes offered by the university.

The Course Outcomes are aligned with the Program Outcomes and the Specific Learning Outcomes are in turn mapped to the Course Outcomes.

The graduate attributes and intended learning outcome statements are available on the Institutional website. Learning outcomes are also included in the curriculum books.

The evaluation of attainment of Intended Learning Outcomes have been adopted.

20.Distance education/online education:

The University has developed and deployed a Learning Management System called NUeLearn based on the MOOC platform. This supports development and delivery of customized e-learning like lecture handouts, videos for clinical and practical demonstrations and other content to students; trackable assignments, online tests and quizzes; scheduling information (timetables) and announcements as well as monitoring and communication of internal assessment marks. Twenty-five departments spread over the medical, dental and nursing colleges have a presence on the NUeLearn platform with course pages for undergraduate students. About 440 teachers have received training in use of e-learning resources over the last five years. Feedback on e-learning resources has been collected and analysed. Department of physiology also conducted a study on the effectiveness of blended learning in the training of clinical examination procedures. The study showed that students could learn better with blended learning than conventional method alone. Postgraduates students of some departments participate in the Virtual Knowledge Network (VKN) organized by the Telemedicine unit of the National Institute of Mental Health and Neuro Sciences (NIMHANS), Bangalore for their clinical exposure.

Extended Profile**1.Programme**

1.1

81

Number of all Programmes offered by the Institution during the year	
File Description	Documents
Data Template	View File
2.Student	
2.1	4751
Number of students during the year	
File Description	Documents
Data Template	View File
2.2	994
Number of graduated students during the year	
File Description	Documents
Data Template	View File
3.Academic	
3.1	582
Number of full-time teachers during the year	
File Description	Documents
Data Template	View File
3.2	582
Number of sanctioned posts during the year	
File Description	Documents
Data Template	View File
4.Institution	
4.1	15244
Total expenditure excluding salary during the year (INR in lakhs)	

File Description	Documents
Data Template	View File

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 health care needs which are visible in Programme Outcomes (POs), and Course Outcomes (COs) offered by the University, as per the norms of the Regulatory Bodies.

The curricula for programs offered by Nitte DU are based on local-regional needs while being globally relevant. National policies and guidelines of statutory authorities are taken as guiding principle. International teaching-learning trends are incorporated to make training globally relevant. The program outcomes and course outcomes can be accessed at

<http://nitte.edu.in/curricular.php#learningoutcomes>

The introduction of medical simulation and skill lab-based training for health sciences students, the co-operative model of education adopted at the School of Architecture, training in national regulatory affairs as well as regulations and legislations related to pharmaceuticals in the USA, European Union and other Asian countries etc make the students competent globally. The active partnerships of 21 Universities across the world have provided globally relevant inputs into educational processes. Training in national and regional developmental needs are imparted in curriculum by focussing on national programs, policies, and legislation that are relevant to the field of study. Community-based teaching-learning methods have been employed in most programs to ensure adequate opportunities for students to understand local and regional needs. In the media and mass communications program, curricular elements require students to explore the significance of local communities' art and cultural history, literature, politics, and economics. The University has constituted 12 Boards of Studies each with external experts. The Academic Council too has distinguished subject experts from various disciplines.

File Description	Documents
Curricula implemented by the University	https://nitte.edu.in/curricular.php#Curricula
Outcome analysis of POs, COs	https://nitte.edu.in/curricular.php#outcomeanalysis
Any other relevant information	Nil

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

16

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Details of the revised Curricula/Syllabi of the programmes during the year	View File
Institutional data in prescribed format (Data Template)	View File
Syllabus prior and post revision of the courses	No File Uploaded
Any other relevant information	No File Uploaded

1.1.3 - Provide a description of courses with focus on competency/ employability/ entrepreneurship/ skill-development offered either by the University or in collaboration with partner Institutions / Industries during the year

- The professional programs of medicine, dentistry, pharmacy, nursing, physiotherapy, and architecture have an emphasis on competency and skill development.
- Skill domain learning outcomes are included in most of the courses of professional programs.
- These require students to be able to demonstrate specific skills and achieve competencies relevant to the practice of their professions.
- Many courses involve clinical postings where the emphasis is on acquiring skills required for patient care.
- Post-graduate students in some of the medicine and dentistry specialties are posted to external Institutions for additional

opportunities for skills development.

- Medical and other health professions students receive structured training in the Clinical Skills Laboratory for skills development.
- Modules have been developed and used for training Nursing and Pharmacy students in effective communication skills and English language skills in association with an external agency. These are key determinants of employability.
- Students of Mass Communication and Journalism receive training in employability enhancing skills like Food Photography, Product Photography, Pottery, Short Film Making, Cartooning, and Radio Jockeying through special workshops organized by the college.
- Architecture students are exposed to professional related skill training in areas like Heritage and Conservation, 3DPrinting, Anthropology Art and Architecture, Tensile Structure, Fabric and Space.
- Making, Film making, Storefront design, Mosaic, Clay and ceramics, Urban farming, Detailing, Site-documentation etc. through special study audit courses in the form of summer school programs.
- Workshops and guest lectures have been organized on Entrepreneurship development.

File Description	Documents
List of courses having focus on competency/ employability/ entrepreneurship/ skill-development	View File
MOUs with Institutions / Industries for offering these courses (Initiated during the year?)	View File
Any other relevant documents	No File Uploaded

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice-Based Credit System (CBCS)/Elective course system has been implemented, wherever provision was made by the Regulatory Bodies (Data for the preceding academic year)

1.2.1.1 - Total number of Programmes where there is regulatory provision for CBCS – elective course system

34

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Institutional data in prescribed format (Data Template)	View File
University letter stating implementation of CBCS by the Institution	No File Uploaded
Structure of the program clearly indicating courses, credits/Electives as approved by the competent board	View File
Any other relevant information	No File Uploaded

1.2.2 - Number of new Degree Programmes, Fellowships and Diplomas introduced by the University across all Faculties during the year (certificate programmes are not to be included)

1.2.2.1 - Number of new Degree Programmes, Fellowships and Diplomas introduced by the University during the year

9

File Description	Documents
List of the new Programmes introduced during the year	No File Uploaded
Minutes of relevant Academic Council/BoS meetings for the year	View File
Institutional data in prescribed format (Data Template)	View File
Any other relevant information	No File Uploaded

1.2.3 - Number of interdisciplinary courses under the Programmes offered by the University during the year

1.2.3.1 - Number of courses offered across all programmes during the year

632

File Description	Documents
List of Interdisciplinary courses under the programmes offered by the University during the year	View File
Minutes of relevant Academic Council/BoS meetings	View File
Institutional data in prescribed format (Data Template)	View File
Any other relevant information	No File Uploaded

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Gender, Environment and Sustainability, Human Values, Health Determinants, Right to Health Issues, Emerging demographic changes and Professional Ethics in the curricula

NitteDU has identified some important themes that have an impact on education, however not explicitly addressed within a single course /subject. These issues are either included in formal curriculum, or enriched in the curriculum through value-added courses. Human values and ethics are reflected in the core values and Graduate attributes of the University. The medical undergraduate program has AETCOM module that trains students to have right attitude, Professional Ethics, communication skills and Humanities. Courses in Human Values are included in most of the allied health sciences programs. The University hosts a Unit of UNESCO Chair in Bioethics (Haifa) and has established a Students Wing which is very active through various activities.

Programs offered by the university address specifically gender equity and/or gender sensitivity. University has developed a module on "Gender Equity" which has been included in the teaching-learning experiences. Environment and Sustainability Courses like Environmental Studies, Ecology, Passive Design, Sustainable Architecture, Energy Efficient Architecture, Environmental planning and design, Environmental Design Studio directly address environmental sustainability-related issues in the biomedical and architecture programs. The University has developed a module titled "Human Health and Environment" in the curriculum for some program.

Health Determinants, Right to Health Issues, Emerging demographic changes Issues related to right to health, health determinants, demographic factors affecting health care are incorporated into the curriculum of programs MBBS, BDS, MD-Community Medicine, BSc-

Nursing, MSc-Nursing (Community Health Nursing), MPH, BPT, and BPharm.

File Description	Documents
List of courses that integrate crosscutting issues mentioned above	https://nitte.edu.in/naac/2019/ncwdata/CRITERIA1/131/CrossCuttingCoursesList_D1.pdf
Description of the courses which address Gender issues, Environment and Sustainability, Human Values, Health Determinants, Right to Health Issues, Emerging demographic changes and Professional Ethics in the Curricula	https://nitte.edu.in/naac/2019/ncwdata/CRITERIA1/131/CrossCuttingCourses_description2.pdf
Any other relevant information	No File Uploaded

1.3.2 - Number of value-added courses offered during the year that impart transferable and life skills

File Description	Documents
Brochure or any other document related to the value-added course/s	View File
List of value-added courses (Data Template -5)	View File
Any other relevant information	No File Uploaded

1.3.3 - Number of students who successfully completed the value-added courses during the year**1.3.3.1 - Number of students who successfully completed the value-added courses imparting transferable and Life skills offered during the year****1638**

File Description	Documents
List of students enrolled in value-added courses (Data Template 5)	View File
Any other relevant information	No File Uploaded

1.3.4 - Students undertake field visits / research projects / Industry internship / visits/Community postings as part of curriculum enrichment

Field visits: Students of the MBBS, BDS, BSc (Nurs), BPharm, BPT, BSc (Biomed), BArch, BA (M&C), MD-Community Medicine, MSc - Community Health Nursing and architecture have field visits as part of their teaching-plans. Overall, about 90% of students of the University participate in field visits each year. **Research Projects:** All post-graduate students of Medicine, Dentistry, Pharmacy, Nursing, Physiotherapy, Biomedical Sciences, Food Technology and Safety, Media and Communication complete a research project. In addition to ICMR -STS research projects, the medical and dental undergraduates will also get NitteDU Research Grant. All MBBS students complete a short research/field project as part of their training in Community Medicine. All postgraduate students and about 30% of undergraduate students undertake research projects during their training at NitteDU. **Industry internship/visits:** All students of MBBS, BDS, BPT, BSc (Nursing), BSc (MIT), BSc (OTT), BSc (MLT), MPH and PharmD have an internship requirement for graduation and optional for students of BPharm and BA (M&C). Students of MPharm are encouraged to take up a short internship. MD, MS and MDS students are posted to external hospitals for additional exposure. Around 50% of students of NitteDU will have an industry internship. **Community postings:** MBBS, BDS students, BSc (Nursing), BPT, few MD/S and MDS programs have postings in the community. NitteDU has a network of 21 Rural Health Centers, an Urban Health Centre, two rural secondary hospitals, and a Rural Psychiatry Centre which provide opportunities for community-based training. Nearly 85% of students have community postings during their training.

File Description	Documents
List of Programmes and number of students undertaking field visits / research projects / internships/Industry visits/Community postings during the year	http://nitte.edu.in/naac/2022/AQAR2022/C1/1.3.4_Summary.pdf
Any other relevant information	Nil

1.4 - Feedback System

1.4.1 - Mechanism is in place for obtaining structured feedback on curricula/syllabi from various stakeholders Students Teachers Employers Alumni Professionals	A. All 4 of the above

File Description	Documents
Stakeholder feedback report as stated in the minutes of the Governing Council/Syndicate/ Board of Management	No File Uploaded
URL for feedback report	https://nitte.edu.in/naac/2022/AQAR2022/C1/1.4.1Curriculum_Feedback_report.pdf
Sample filled-in Structured Feedback forms by the institution for each category	View File
Institutional data in prescribed format (Data Template)	View File
Any other relevant information	No File Uploaded

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

A. Feedback collected, analyzed and action taken on feedback and such documents are made available on the institutional

File Description	Documents
URL for stakeholder feedback report	https://nitte.edu.in/naac/2022/AQAR2022/C1/1.4.1Curriculum_Feedback_report.pdf
Action taken report of the University on feedback report as stated in the minutes of the Governing Council/ Syndicate/ Board of Management	View File
Any other relevant information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Due consideration is given to equity and inclusiveness by providing reservation of seats to all categories during the admission process

File Description	Documents
Number of seats filled against seats reserved (As per Data Template)	View File
Copy of letter issued by state govt. or and Central Government Indicating the reserved categories to be considered as per the state rule (in English)	No File Uploaded
Final admission list published by the HEI	View File
Admission extract submitted to the state OBC, SC and ST cell for the year	No File Uploaded
Initial reservation of seats for admission	No File Uploaded
Any other relevant information	No File Uploaded

2.1.2 - Student Demand Ratio, applicable to programmes where State / Central Common Entrance Tests are not conducted

File Description	Documents
Institutional data in prescribed format (Data Template)	View File
Document relating to Sanction of intake	View File
Extract of No. of application received in each program	View File
The details certified by the Controller of Examination or Registrar evaluation clearly mentioning the programs that are not covered under CET and the number of applications received for the same	View File
Any other relevant information	No File Uploaded

2.1.3 - Student enrollment pattern and student profile to demonstrate national/international spread of enrolled students from other states and countries

2.1.3.1 - Number of students from other states and countries during the year

711

File Description	Documents
List of students enrolled from other states and countries during the year	View File
E-copies of admission letters to the students enrolled from other States / Countries	No File Uploaded
Copy of the domicile certificate/passport from respective states / countries	No File Uploaded
Previous degree/ Matriculation / HSC certificate from other state or country	View File
Institutional data in prescribed format (Data Template)	View File
Any other relevant information	No File Uploaded

2.2 - Catering to Student Diversity

2.2.1 - The Institution assesses the learning levels of the students after admission and organises special programmes for advanced learners and slow performers. The Institution: Adopts measurable criteria to identify slow performers Adopts measurable criteria to identify advanced learners Organizes special programmes for slow performers and advanced learners Follows protocols to measure students' achievement	A. All of the Above
--	----------------------------

File Description	Documents
Methodology and Criteria for the assessment of Learning levels Details of special programmes	View File
Details of outcome measures	No File Uploaded
Proforma created to identify slow performers/advanced learners	View File
Consolidated report to Dean academics /Dean student's welfare on special programs for advanced learners and slow learners for the year	View File
Any other relevant information	No File Uploaded

2.2.2 - Student - Fulltime teacher ratio (data for the preceding academic year)

2.2.2.1 - Total number of students enrolled in the specified year

4751

File Description	Documents
List of students enrolled in the preceding academic year	View File
List of full-time teachers in the preceding academic year in the University (with Designation and Highest Qualification)	View File
Any other relevant information	No File Uploaded

2.3 - Teaching- Learning Process

2.3.1 - Student-centric methods are used for enhancing learning experiences by

The curricula for professional courses in medicine, dentistry, nursing and physiotherapy at NitteDU involve substantial period of learning in teaching hospital. Hospital-based learning involves observing experts at workplace, shadowing, interaction with patients, participating in patient care and internships-all providing opportunities for patient-centric, evidence-based learning in real-life work-place settings providing a powerful basis for experiential learning. NitteDU has network of 21 rural satellite health centres providing additional opportunities for training at various settings. Field visits are integral in many of the programs. The University has established well-equipped clinical skills

training centre with advanced patient simulators, models and mannequins for safe practice of critical clinical skills. An Integrated teaching-learning program at medical school provides MBBS students with linker sessions with interdisciplinary inputs for key topics. Self-directed learning is facilitated by providing assignments and self-assessment opportunities with quizzes. A learning management system (See Link for additional information) which is used by 25 departments across three constituent colleges provides sharing of learning resources offering online tests/quizzes. Architecture students participate in "Traveling Studios" where they travel to selected destinations and develop projects relevant to the local community. A full-fledged audio-visual studio is available for training of students of mass media and journalism.

File Description	Documents
List of student-centric methods used for enhancing learning experiences during the year	http://nitte.edu.in/naac/2022/AQAR2022/C2/2.3.1_LearnerCentricMethods_list_D1.pdf
Any other relevant information	View File

2.3.2 - The Institution has provision for the use of Clinical Skills Laboratory and Simulation-Based Learning The Institution: 1. Has Basic Clinical Skills Training Models and Trainers for clinical skills in the relevant disciplines. 2. Has advanced patient simulators for simulation-based training 3. Has structured programs for training and assessment of students in Clinical Skills Lab / Simulation centre 4. Conducted training programs for the faculty in the use of clinical skills lab and simulation methods of teaching-learning

A. All of the Above

File Description	Documents
Geotagged photographs of clinical skills lab facilities, clinical skills models, patient-simulators	View File
List of training programmes conducted in the facilities during the year	View File
List of clinical skills training models	View File
Proof of Establishment of Clinical Skill Laboratories	View File
Proof of patient simulators for simulation-based training	View File
Report on training programmes in Clinical skill lab/simulator Centre	View File
Any other relevant information	No File Uploaded
Institutional data in prescribed format (Data Template)	View File

2.3.3 - Teachers use ICT-enabled tools for effective teaching and learning process, including online e-resources

All the lecture halls and classrooms in constituent colleges are equipped with LCD projectors with broadband internet access either through LAN or Wi-Fi. In every Institution, atleast one classroom is developed into a fully equipped smart class room including interactive whiteboard / projection display and lecture-capture system. Virtual Classroom platforms like Zoom, Big Blue Button and Google Meet are available for engaging students. An automated lecture capture system generates video content of classroom lectures which are accessible to students through a dedicated online portal. The University has deployed a Learning Management System called NUeLearn based on the Moodle platform supporting the development and delivery of customized e-learning. 25 departments spread over medical, dental and nursing colleges have a presence on the NUeLearn platform with course pages for undergraduate students.

Department of Physiology has developed a human physiology lab with digital data acquisition systems to train students in procedures like pulmonary function tests, autonomic function tests and nerve conduction velocity using digitized equipment. Computer assisted

learning is also used in replacing animal experimentation in Physiology, Pharmacology and Pharmaceutical science courses. The University provides access to quality online resources like Coursera for its students and faculty.

File Description	Documents
Details of ICT-enabled tools used during the year for teaching and learning	http://nitte.edu.in/naac/2022/AQAR2022/C2/2.3.3 ICTList D2.pdf
List of teachers using ICT-tools	http://nitte.edu.in/naac/2022/AQAR2022/C2/2.3.3 ICT teacherList.pdf
Any other relevant information	Nil

2.3.4 - Student: Mentor Ratio (preceding academic year)

Total number of mentors in the preceding academic year	Total number of students in the preceding academic year
527	4467

File Description	Documents
Details of fulltime teachers/other recognized mentors and students for the year	No File Uploaded
Allotment order of mentor to mentee and records of mentors and mentees meetings for the year	View File
Copy of circular pertaining to the details of mentor and their allotted mentees	View File
Approved Mentor list as announced by the HEI	No File Uploaded
Log Book of mentors	View File
Institutional data in prescribed format (Data Template)	View File
Any other relevant information	No File Uploaded

2.4 - Teacher Profile and Quality

2.4.1 - Number of fulltime teachers against sanctioned posts during the year**582**

File Description	Documents
List of fulltime teachers and sanctioned posts for the year (Certified by the Head of the Institution)	View File
Position sanction letters by competent authority	View File
Appointment letters of faculty during the year	No File Uploaded
Institutional data in prescribed format (Data Template)	View File
Any other relevant information	No File Uploaded

2.4.2 - Number of fulltime teachers with Ph.D./D.Sc./D.Lit./ DM/M Ch/DNB in super specialities /other PG degrees (like MD/ MS/ MDS etc.,) in Health Sciences for recognition as Ph.D guides as per the eligibility criteria stipulated by the Regulatory Councils during the year**2.4.2.1 - Number of fulltime teachers with Ph.D/D.Sc./D.Lit./DM/M Ch/DNB in super specialities / other PG degrees (like MD/ MS/ MDS etc.,) in Health Sciences for recognition as Ph.D guides as per the eligibility criteria stipulated by the Regulatory Councils. During the year data to be entered****292**

File Description	Documents
List of fulltime teachers with Ph.D/D.Sc./D.Lit./DM/MCh/DNB in super specialties / other PG degrees (like MD/ MS/ MDS etc.,) in Health Sciences for recognition as Ph.D guides as per the eligibility criteria stipulated by the Regulatory Councils and the number of fulltime teachers for the year	View File
Copies of Guide-ship letters or authorization of research guide provide by the competent authority	No File Uploaded
Institutional data in prescribed format (Data Template)	View File
Any other relevant information	No File Uploaded

2.4.3 - Teaching experience of fulltime teachers in number of years (preceding academic year)

11.3

File Description	Documents
List of fulltime teachers including details of their designation, department, total number of years of their teaching experience	View File
Experience certificate of fulltime teacher	No File Uploaded
Institutional data in prescribed format (Data Template)	View File
Any other relevant information	No File Uploaded

2.4.4 - Number of teachers trained for development and delivery of e-content / e-courses / video lectures / demonstrations during the year

391

File Description	Documents
List of teachers trained for development and delivery of e-contents / e-courses / video lectures / demonstrations during the year	No File Uploaded
Reports of the e-training programmes	View File
Certificate of completion of training for development of and delivery of e-contents / e-courses / video lectures / demonstrations	View File
Web-link to the contents delivered by the faculty hosted in the HEI's website	https://nuelearn.nitte.edu.in/login/index.php
List of e-contents / e courses / video lectures / demonstrations developed	No File Uploaded
Any other relevant information	No File Uploaded
Institutional data in prescribed format (Data Template)	View File

2.4.5 - Number of fulltime teachers who received awards and recognitions for excellence in teaching, student mentoring, scholarships, professional achievements and academic leadership at State, National, International levels from Government / Government-recognized agencies / registered professional associations / academies during the year

54

File Description	Documents
Institutional data in the prescribed format/ Data Template	View File
Certified e-copies of award letters (scanned or soft copy)	View File
Any other relevant information	No File Uploaded

2.5 - Evaluation Process and Reforms

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

2.5.1.1 - Number of days from the date of last semester-end/ year- end examination to the date of declaration of results in the year

8

File Description	Documents
List of Programmes and dates of declaration of last semester-end and yearend examination results	No File Uploaded
Reports from Controller of Exam (COE) office/ Annual reports mentioning the relevant details	View File
Institutional data in prescribed format (Data Template)	View File
Any other relevant information	No File Uploaded

2.5.2 - Total number of student complaints/grievances about evaluation against total number appeared in the examinations during the year

27

File Description	Documents
Certificate from Registrar / Controller of examination / Data on student grievances from the office of the Registrar (Evaluation)	View File
Minutes of the grievance cell / relevant body	No File Uploaded
List of complaints / grievances during the year	No File Uploaded
List of students who appeared in the exams during the year (Data template)	View File
Any other relevant information	No File Uploaded

2.5.3 - Evaluation-related Grievance Redressal mechanism followed by the Institution. The University adopted the following for the redressal of evaluation-related grievances.

1. Double valuation/Multiple valuation with appeal process for re totalling/revaluation and access to answer script

File Description	Documents
Provide links to the examination procedure and re-evaluation procedure developed by the Institution and duly hosted in the Institution's website	https://www.nitte.edu.in/exam-procedure.php
Report of the Controller of Examination/ Registrar evaluation regarding the Grievance Redressal mechanism followed by the Institution	View File
Institutional data in prescribed format (Data Template)	View File
Any other relevant information	No File Uploaded

2.5.4 - Reforms in the process and procedure in the conduct of evaluation/examination; including Continuous Internal Assessment to improve the examination system. Describe examination reforms implemented by the University during the year with reference to the following within 100 - 200 words

Reforms

1. All rules, regulations and procedures related to the examination process are documented and codified in an Examinations Manual.
2. Both formative (internal) and summative evaluation methods are used in all courses.
3. Question paper blue-printing has been introduced for most programs bringing an element of standardization of question papers.
4. Question papers are set by both external and internal examiners.
5. For all undergraduate and postgraduate programs, every answer script is evaluated independently by two examiners. For MD, MS and MDS programs examinations, average of four independent evaluations is taken.
6. Mobile communication interference units (jammers) are installed in the examination hall to prevent malpractice.
7. Closed circuit surveillance cameras are installed in the examination hall as well as evaluation centre.
8. Malpractice prevention and Grievance redressal mechanisms are in

place with extensive computerization of examination process

The following steps of the examination process have been computerized:

1. Entry and transmission of Internal Assessment marks from constituent colleges to University Examination Section.
2. On-screen evaluation of manuscripts.
3. Entry and transmission of marks of University Practical Examination marks from constituent colleges to University Examination Section.
4. Compilation of marks, generation of results.
5. Online access to results.

File Description	Documents
Details of examination reforms implemented during the year	http://nitte.edu.in/naac/2022/AQAR2022/C2/2.5.4_Annual%20Report%202021-22.pdf
Any other relevant information	View File

2.5.5 - Status of automation of Examination division using Examination Management System (EMS) along with approved online Examination Manual Options (Choose an applicable option):

A. Complete automation of entire division & implementation of Examination Management System (EMS)

File Description	Documents
Snapshot of EMS used by the Institution	View File
Copies of the purchase order of the software/AMC of the software	View File
The present status of automation., Invoice of the software, & screenshots of software	No File Uploaded
Annual report of examination including present status of automation as approved by BOM / Syndicate / Governing Council	View File
Institutional data in prescribed format (Data Template)	No File Uploaded
Any other relevant information	No File Uploaded

2.6 - Student Performance and Learning Outcomes

2.6.1 - The Institution has stated learning outcomes /graduate attributes as per the provisions of Regulatory Bodies which are integrated into the assessment process and widely publicized through the website and other documents Provide details of the stated learning outcomes for each programme / course as stipulated by the appropriate Regulatory Body and the methods followed by the Institution for assessment of the same within 100 - 200 words

The Course Outcomes are aligned with the Program Outcomes and the Specific Learning Outcomes are in turn mapped to the Course Outcomes. The graduate attributes and intended learning outcome statements are available on the Institutional website. The following two approaches are adopted for evaluation of attainment of Intended Learning Outcomes: 1. Through exit surveys, Students who have appeared for their graduating examination are evaluated on the level of attainment of Program Outcomes. For each of the stated Program Outcomes, the students rate their perceived level of attainment on a four-point Likert scale. The University has set a requirement that at least 60% of outgoing students have to indicate a level 2 or above attainment for at least 60% of the Program Outcomes. Programs that fall this below threshold will be reviewed and strengthened. 2. The questions asked in Summative University Examinations are mapped to their respective Program and Course Outcomes. The level of performance-attainment for the tested outcomes are computed. A threshold of 60% scores for at least 60% of students for a tested learning outcome is set as a benchmark. Feedback is provided to the

department teaching the course for corrective action in teaching-learning if required.

File Description	Documents
Relevant documents pertaining to learning outcomes and graduate attributes	https://sites.google.com/a/nitte.edu.in/learning-nitte/home
Methods of the assessment of learning outcomes and graduate attributes	https://www.nitte.edu.in/curricular.php#outcomeanalysis
Any other relevant information	No File Uploaded

2.6.2 - Pass percentage of final year students in the year

2.6.2.1 - Number of final year students of all the programmes, who passed in the university examinations in the year

1122

File Description	Documents
List of Programmes and the number of students appeared and the number of students passed in the final year examination for the year	View File
Institutional data in prescribed format (Data Template)	View File
Link for the annual report of examination results as placed before BoM/ Syndicate/ Governing Council for year	http://nitte.edu.in/naac/2022/AOAR2022/C2/2.5.4 Annual%20Report%202021-22.pdf
Any other relevant information	No File Uploaded

2.7 - Student Satisfaction Survey

2.7.1 - Online student satisfaction survey regarding teaching learning process

File Description	Documents
Any other relevant information	No File Uploaded
Database of all currently enrolled students (Data Template)	View File

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The Institution has a well-defined Research promotion policy and the same is uploaded on the Institutional website

A "Research Support and Incentives policy" guides the award of intramural research grants and incentives for faculty and student research. The goals of the policy are to: 1. Offer financial support to encourage faculty members to initiate research projects with potential to gain extramural funding 2. Strengthen the Ph.D program by offering fellowships to meritorious candidates 3. Encourage student research through short-term fellowships and linkage with research grants 4. Encourage research productivity and instil quality consciousness through weightage for research in Performance appraisal. Based on the policy, the University promotes research by offering research grants for faculty and students; incentives and awards for faculty based on research achievements and support services. Investments in research have helped establish research centres, laboratory facilities and equipment for research at the University. Nitte University Research Grants (NURG) are of two types: 1. Research Grants for faculty (See Page No.5) 2. Research Grants for Students and PhD Scholars (See Page No.13). Applications for the Research Grants are called for once a year through an online portal. Proposals are evaluated by Institutional review Committees and ranked based on a pre-determined scoring system. In case of the PhD fellowships, selection is based on merit in the NitteDU PhD Entrance test.

File Description	Documents
Minutes of the meetings of Governing Council/ Syndicate/Board of Management for the year related to research promotion policy adoption	View File
Document on Research promotion policy	View File
Any other relevant information	No File Uploaded

3.1.2 - The institution provides seed money to its teachers for research (amount INR in Lakhs)

61.15

File Description	Documents
Sanction letter of seed money to the faculty	View File
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving seed money and details of seed money received (Data Template)	View File
Any other relevant information	No File Uploaded

3.1.3 - Number of teachers awarded national/international fellowship/Financial support for advanced studies/collaborative research/conference participation in Indian and Overseas Institutions during the year

97

File Description	Documents
Certified e-copies of the award / recognition letters of the teachers	View File
List of teachers and their national/international fellowship details (Data Templates)	View File
Any other relevant information	No File Uploaded

3.1.4 - Number of JRFs, SRFs, Post-Doctoral Fellows, Research Associates and other research fellows enrolled in the institution during the year

53

File Description	Documents
List of research fellows and their fellowship details	View File
E copies of fellowship award letters	View File
Registration and guide / mentor allocation by the Institution	View File
Institutional data in prescribed format (Data Template)	View File
Any other relevant information	No File Uploaded

3.1.5 - University has the following facilities Central Research Laboratory / Central Research Facility Animal House/ Medicinal plant garden / Museum Media laboratory/Business Lab/e-resource Studios Research/Statistical Databases/Health Informatics Clinical Trial Centre Any other facility to support research	A. Any 5 of the Above										
<table border="1"> <thead> <tr> <th>File Description</th><th>Documents</th></tr> </thead> <tbody> <tr> <td>Videos and geo-tagged photographs</td><td>https://nitte.edu.in/naac/2021/AQAR20-21/C3/315_gtphotos.pdf</td></tr> <tr> <td>List of facilities provided by the University and their year of establishment (Data Template)</td><td>View File</td></tr> <tr> <td>List of the facilities added in the current academic year</td><td>No File Uploaded</td></tr> <tr> <td>Any other relevant information</td><td>No File Uploaded</td></tr> </tbody> </table>	File Description	Documents	Videos and geo-tagged photographs	https://nitte.edu.in/naac/2021/AQAR20-21/C3/315_gtphotos.pdf	List of facilities provided by the University and their year of establishment (Data Template)	View File	List of the facilities added in the current academic year	No File Uploaded	Any other relevant information	No File Uploaded	
File Description	Documents										
Videos and geo-tagged photographs	https://nitte.edu.in/naac/2021/AQAR20-21/C3/315_gtphotos.pdf										
List of facilities provided by the University and their year of establishment (Data Template)	View File										
List of the facilities added in the current academic year	No File Uploaded										
Any other relevant information	No File Uploaded										
3.1.6 - Number of departments with recognition by ICMR-CAR, DST-FIST, DBT, MCI, DCI, PCI, AICTE, AYUSH, NACO, WHO, NIH etc. and other similar recognitions by national and international agencies, (excluding mandatory recognitions by Regulatory Councils for UG /PG programmes)											
3.1.6.1 - The Number of departments with recognition by ICMR-CAR, DST-FIST, DBT, MCI, DCI, PCI, AICTE, AYUSH, NACO, WHO, NIH etc. and other similar recognitions by National and/or International agencies											
9											
<table border="1"> <thead> <tr> <th>File Description</th><th>Documents</th></tr> </thead> <tbody> <tr> <td>E-copies of departmental recognition award letters</td><td>View File</td></tr> <tr> <td>List of departments and award details (Data Template)</td><td>View File</td></tr> <tr> <td>Any other relevant information</td><td>No File Uploaded</td></tr> </tbody> </table>	File Description	Documents	E-copies of departmental recognition award letters	View File	List of departments and award details (Data Template)	View File	Any other relevant information	No File Uploaded			
File Description	Documents										
E-copies of departmental recognition award letters	View File										
List of departments and award details (Data Template)	View File										
Any other relevant information	No File Uploaded										
3.2 - Resource Mobilization for Research											
3.2.1 - Grants for research projects /clinical trials sponsored by Non-Government sources such as industry, corporate houses, international bodies, endowments, professional associations, endowment-Chairs etc., in the Institution during the year											

99.986

File Description	Documents
E-copies of the grant award letters for research projects sponsored by nongovernment organizations	View File
List of project and grant details (Data Template)	View File
Any other relevant information	View File

3.2.2 - Grants for research projects/clinical research project sponsored by the Government funding agencies during the year

282.689

File Description	Documents
E-copies of the grant award letters for research projects sponsored by government agencies	View File
List of projects and grant details (Data Template)	View File
Any other relevant information	View File

3.2.3 - Ratio of research projects/clinical trials per teacher funded by Government/Industries and Non-Government agencies during the year

3.2.3.1 - Number of research projects/clinical trials funded by Government /industries and non-government agencies during the year

29

File Description	Documents
List of research projects and funding details (Data Template)	View File
Supporting document/s from Funding Agencies	View File
Copy of the letter indicating sanction of research project funded by Govt./Non-Govt agency and industry including names of teachers and amount in INR	View File
Any other relevant information	No File Uploaded

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and entrepreneurship with an Incubation centre, entrepreneurship cell

NitteDU has been recognized by Ministry of Micro, Small & Medium Enterprises (MSME), Govt. of India as a Business Incubator Host Institution for implementation of the scheme "Support for Entrepreneurial and Managerial Development of SMEs through Incubator". The University has established a Technology Enabling Centre with support from DST, Govt. of India. The objective of TEC will be to create an ecosystem for technology development in the universities and provide a platform to network researchers with other institutes, national laboratories and industries in the region and to address the local needs through scientific intervention for sustainable solutions. The constituent institutions of the University have established cells to promote the entrepreneurship. Talks, seminars and workshops by technical and financial experts have been organized by these cells. Considerable number of medical and dental graduates take up self-employment. Many pharmacy graduates have established retail drug stores, small scale industries generating employment opportunities. Facilities like the pharma pilot plant in the Pharmacy college provide opportunities for students to experience the challenges of managing production facilities. An Intellectual Property Rights Policy has been adopted by the University to facilitate credit appropriation for innovations.

File Description	Documents
Geotagged photographs of the facilities and innovations made	View File
Any other relevant information	No File Uploaded

3.3.2 - Workshops/seminars conducted on Intellectual Property Rights (IPR) Research methodology, Good clinical Practice, Laboratory, Pharmacy and Collection practices, Research Grant writing and Industry-Academia Collaborations during the year

The University has a policy on Intellectual Property Rights which provides guidelines regarding protection, ownership and licensing or commercialization of intellectual property that is generated in the University with or without external funding. Workshops have been conducted to sensitize faculty members and students on intellectual property rights related issues. Theme of discussions have included patentability, the cost involved in patenting and the need for an IPR cell. Workshops, seminars and talks are arranged on the themes of Good Clinical Practice, Good Laboratory Practice, Pharmacovigilance and Hospital Quality Assurance practices. Courses or modules on research methodology are part of most of the programs offered at NitteDU. Activity based Workshops are used to train post-graduate students in research methodology. A Research Methodology and Biostatistics course is also offered for PhD Scholars. The Office of the Director, Research and Development organizes workshops and seminars on Research Grant writing for faculty and post-graduate students of the constituent colleges. Industry-Academia interactions and events on Industry-Academia collaborations are conducted at the University. These include events on themes like Intellectual property rights (IPR), patent issues, Industrial perspective of drug regulatory affairs, translational research planning and execution etc.

File Description	Documents
Reports of the events	http://nitte.edu.in/naac/2022/AQAR2022/C3/3.3.2_supporting_doc_merged_final_compressed.pdf
List of workshops/seminars on the above conducted during the year	http://nitte.edu.in/naac/2022/AQAR2022/C3/3.3.2_final.xlsx
Any other relevant information	View File

3.3.3 - Number of awards / recognitions received for innovation / discoveries by the

Institution/teachers/research scholars/students from recognized bodies during the year**3.3.3.1 - Total number of awards/recognitions received by the Institution/teachers/research scholars/students from recognized bodies during the year****86**

File Description	Documents
E-Copies of award letters (scanned or soft copy) for innovations with details of awardee and awarding agency	View File
Link to appropriate details on the Institutional website	Nil
Institutional data in prescribed format (Data Template)	View File

3.3.4 - Number of start-ups incubated on campus during the year**3.3.4.1 - Number of start-ups incubated on campus during the year (a startup to be counted only once)****1**

File Description	Documents
Registration letter	View File
E- sanction order of the University for the start-ups on the campus	No File Uploaded
Contact details of the promoters	View File
List of start-ups- details like name of the start-up, nature, year of commencement etc (Data Template)	View File
Any other relevant information	No File Uploaded

3.4 - Research Publications and Awards

3.4.1 - The Institution has a stated Code of Ethics for research, the implementation of which is ensured by the following Research methodology with course on research ethics Ethics committee Plagiarism check Committee on Publication guidelines

A. All of the Above

File Description	Documents
Institutional code of Ethics document	View File
Course content of research ethics and details of members of Ethics Committee	View File
Copy of software procurement for plagiarism check	View File
Minutes of the relevant committee meetings for the year with reference to the code of ethics	View File
Details of committee on publication guidelines	View File
Institutional data in prescribed format (Data Template)	View File
Any other relevant information	No File Uploaded

3.4.2 - The Institution provides incentives for teachers who receive state,national or international recognitions/awards. Options: Career Advancement Salary increment Recognition by Institutional website notification Commendation certificate with cash award

A. All of the Above

File Description	Documents
Policy on Career advancement for the awardees	View File
Policy on salary increment for the awardees	View File
Snapshots of recognition of notification in the HEI's website	No File Uploaded
Copy of commendation certificate and receipt of cash award	View File
List of the awardees and list of awarding agencies and year with contact details for the year	View File
Incentive details (link to the appropriate details on the Institutional website)	No File Uploaded
Institutional data in prescribed format (Data Template)	View File

3.4.3 - Number of Patents/ Copyrights published/awarded/technology-transferred during the year

3.4.3.1 - Total number of Patents/ Copyrights published/awarded/ technology-transferred during the year

24

File Description	Documents
List of patents/Copyrights and the year they were published/awarded	View File
E- copies of the letters of award/ publication of patent/copyright/ technology-transferred	View File
Technology transfer document	View File
Institutional data in prescribed format (Data Template)	View File
Any other relevant information	No File Uploaded

3.4.4 - Number of Ph.D/ DM/ M Ch/ PG Degree in the respective disciplines awarded per recognized PG teacher of the Institution during the year

3.4.4.1 - Number of Ph. Ds /DM/M Ch/PG degrees in the respective disciplines awarded per recognized PG teacher of the Institution during the year**342**

File Description	Documents
List of PhD/DM/M Ch candidates with details; like name of the guide, title of the thesis, year of award, award letter etc	View File
Web page for research in the Institutional website.	https://nitte.edu.in/phd.php
Institutional data in prescribed format (Data Template)	View File
Any other relevant information	No File Uploaded

3.4.5 - Number of research papers per teacher in the approved list of Journals in Scopus / Web of Science/ PubMed during the academic year

File Description	Documents
List of research papers by title, author, department, name and year of publication and Scopus/Web of Science/PubMed list ref. No: (Data Template) /link	View File
Names of the indexing databases	View File
Any other relevant information	No File Uploaded

3.4.6 - Number of research papers per teacher in the approved list of Journals notified in UGC-CARE list during the academic year**3.4.6.1 - Number of research papers in the approved list of Journals notified on UGC website during the year****639**

File Description	Documents
List of research papers with title, author, department, name and year of publication and UGC list ref. No: (link)	http://nitte.edu.in/naac/2022/AQAR2022/C3/3.4.5_Publications_v1.xlsx
Names of the indexing databases	View File
Any other relevant information	No File Uploaded

3.4.7 - Number of books/ chapters in edited volumes and papers in National/International conference-proceedings published per teacher and indexed in Scopus/Web of Science/ PubMed UGC-CARE list during the year

3.4.7.1 - Number of books/ chapters in edited volumes and papers in National/International conference-proceedings published per teacher and indexed in Scopus/Web of Science/ PubMed during the academic year

10

File Description	Documents
List of books and chapters in edited volumes / books published (Data Template)	View File
List of names of publishers: National/ International	View File
Any other relevant information	No File Uploaded

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

2.01

File Description	Documents
List of the publications during the year	View File
Any other relevant information	No File Uploaded

3.4.9 - Provide Scopus/ Web of Science – h-index of the Institution for the academic year

Scopus-61, WoS-57

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any other relevant information	No File Uploaded

3.5 - Consultancy

3.5.1 - Institution has a policy on IPR and consultancy including revenue sharing between the Institution and the individual, besides a training cum capacity building programme for teachers, students and staff for undertaking consultancy

The IPR policy provides guidelines regarding protection, ownership and licensing or commercialization of intellectual property that is generated in the University with or without external funding. The policy specifies the default ownership rights of the University, faculty and students and the conditions for exceptions. The rights of collaborating organizations are defined. The IPR policy of University also outlines the University's role in licensing and transfer of technology for commercialization of innovations. The Policy on consultancy lays out the definition, scope and nature of consultancy activities. The default revenue sharing model for consultancy is one of 60:40 in favour of the faculty. The conditions and modalities for revenue sharing are defined in the Policy. The role of the University in publicizing and facilitating consultancy opportunities is addressed. Liability limitations and dispute resolution process is specified. The facilities available for potential consultation projects are publicized through the University Website. A directory of key facilities and equipment has been compiled and is available on the University Webpage. In addition, faculty are provided financial support and leave benefits for attending capacity building events outside the University. Faculty members have been trained in association with pharmaceutical organizations in aspects of Clinical Trials which are an important type of consultancy activity in the Medical College.

File Description	Documents
Minutes of the Governing Council/ Syndicate/Board of Management related to IPR and consultancy policy	https://nitte.edu.in/naac/2019/CRITERIA3/3.5.1/26_BoM_MoM_18SMar2016.pdf
Link to the soft copy of the IPR and Consultancy Policy	https://nitte.edu.in/naac/2021/AQAR20-21/C3/351_docLinks.pdf
List of the training / capacity building programmes conducted during the year	http://nitte.edu.in/naac/2022/AQAR2022/C3/3.5.1_list%20of%20IPR_fdp_programs.pdf
Any other relevant information	Nil

3.5.2 - Revenue generated from advisory / R&D consultancy projects (exclude Patients consultancy) including Clinical trials during the year

3.5.2.1 - Total amount generated from consultancy during the year (INR in lakhs)

228.86

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy/clinical trials	View File
CA certified copy/Finance Officer Certified copy attested by head of the Institution	View File
List of consultants and revenue generated by them (Data Template)	View File
Any other relevant information	No File Uploaded

3.6 - Extension Activities

3.6.1 - Extension and outreach activities such as community Health Education, Community health camps, Tele-conferences, Tele-Medicine consultancy etc., are conducted in collaboration with industry, Government and Non- Government Organisations engaging NSS/NCC/Red Cross/YRC, Institutional clubs etc., during the year

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

during the year**28**

File Description	Documents
Photographs or other relevant supporting document	View File
Detailed program report for each extension and outreach program with specific mention of number of students and collaborating agency participated	View File
Description of participation by NSS/NCC/Red cross/YRC, Institutional clubs etc., for the year	View File
Any other relevant information	No File Uploaded

3.6.2 - Number of students participating in extension and outreach activities beyond the curricular requirement as stated at 3.6.1**3896**

File Description	Documents
Reports of the events organized	View File
Number of extension and outreach activities conducted with industry, community health camps etc., for the year (Data Template)	View File
Geo tagged Photos of events and activities	View File
Any other relevant information	No File Uploaded

3.6.3 - Number of awards and recognitions received for extension and outreach activities from Government / other recognized bodies during the year

The involvement in widespread extension and outreach activities is one of the core strengths of the University. The activities include free primary health care delivery through 21 rural health care centres and two rural hospitals in five districts of Karnataka. Health screening and treatment camps, one day denture camps, health awareness events, rehabilitation services and daycare services. Nearly 2.5 Lakh people benefit from these activities each year. The

University also has a Disaster Response Cell which has responded with medical assistance and relief support at times of natural disasters like earthquakes and floods. The students and faculty participate actively in campaigns like Vittiya Saksaharata Abhiyaan (digital transaction awareness) and Swach Bharat Abhiyaan. The University and its constituent colleges partner with Governmental agencies, non-governmental organizations, schools, local bodies and social organizations like Lions and Rotary clubs. AB Shetty Memorial Institute of Dental Sciences bagged the National award for best outreach programme conducted in a very isolated rural area in 2020. This was awarded under the category Smt. M Susheela Best Outreach Programme by the Indian Association of Public Health Dentistry.

File Description	Documents
Number of awards for extension activities in the year- e-copy of the award letters	No File Uploaded
List of Government/other recognized bodies that have given the awards	No File Uploaded
Any other relevant information	No File Uploaded

3.6.4 - Institutional social responsibility activities in the neighborhood community in terms of education, environmental issues like Swachh Bharath, health and hygiene awareness, delivery of free/ subsidized health care and socio-economic development issues carried out by the students and staff, including the amount of expenditure incurred during the year

The Nitte DU has a range of health care extension activities throughout the year.

- Nerekere KSHEMA (Neighbourhood well-being) - Community development projects in Nitte, Mukka & Sasihithlu villages - health, education, housing and self-employment.
- KSHEMA Sandhya - Geriatric Day Care Facility.
- One Day Denture Camps - Providing free of cost, complete dentures to rural senior citizens on-site, in a single day, a task which otherwise would require multiple sessions over several days.
- Specialty camps - Medicine, Surgery, Cardiology, Orthopedics, Ophthalmology, OBG, Pediatrics.
- Manasadhara - Psychiatry rehabilitation center with support from Govt. of Karnataka
- N-SPECC (Nitte Special Children Care) - Free multidisciplinary health care to children with special needs.
- NICAT - Nitte Integrated Care for Tribal Community.

- Sanjeevini - Blood Donor Registry.
- Bone Marrow Registry in collaboration with BMC Alumni Society.
- Swach Bharath Abhiyan activities.
- Vittiya Saksharata Abhiyan activities.
- Student led social responsibility activities: Students participate in activities of the NSS which includes cleanliness drives, health awareness campaigns, "MISSION HOPE" is a student council led initiative for a positive social change in society.

File Description	Documents
Geotagged photographs of Institutional social responsibility activities	https://nitte.edu.in/social.php
Link for additional information	https://nitte.edu.in/public-awareness.php
Link for additional information	Nil

3.7 - Collaboration

3.7.1 - Number of Collaborative activities for research, faculty exchange, student exchange/ Industry-internship etc conducted during the year

3.7.1.1 - Total number of Collaborative activities for research, faculty exchange, student exchange during the year

614

File Description	Documents
List of Collaborative activities for research, faculty exchange etc., (as per Data Template)	View File
Certified copies of collaboration documents and exchange visits	View File
Link with collaborating Institution's website	Nil
Any other relevant information	No File Uploaded

3.7.2 - Presence of functional MoUs with Institutions/ industries in India and abroad for academics, clinical training / internship, on-the-job training, project work, student / faculty exchange, collaborative research programmes etc., during the year

3.7.2.1 - Number of functional MoUs for faculty exchange, student exchange, academics, clinical

training, internship, on-the-job training, project work, collaborative research programmes etc., during the year

83

File Description	Documents
E-copies of the functional MoU's with institution/ industry/ corporate house, Indicating the start date and completion date	View File
Institutional data in prescribed format	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate physical facilities for teaching –learning, skills acquisition etc.

Classrooms, laboratories and museums:

- Total 128 classrooms: seating capacity of 60 to 200, audio-visual aids, LCD projection and broadband internet access.
- Interactive whiteboard and lecture capture systems
- Well-equipped teaching laboratories

Facilities for clinical learning

Medical Hospital

- 1000 bed multi-disciplinary
- Fourteen broad clinical specialty departments
- Thirteen super specialty services
- Eighteen Operation Suites with viewing galleries
- Video relay facility from Operation Theatre to 200 seat Seminar Room
- Clinical Teaching rooms in OPD and In-patient wards

Dental Hospital

- 500 chair
- Eight clinical specialty departments

Community-based learning

- 21 rural Health Care Centres(seven provide medical and dental

- care, ten provide dental care and four provide medical care)
- 2 Rural Speciality Hospitals(16-bed inpatient facility+50 bed facilities)
- Rural Psychiatry Centre
- For non-health disciplines: Field visits, interaction with the community through project work

Clinical skills laboratories

1. Nitte University Medical Skills and Simulation centre (NUMEDISIM) at KS Hegde Medical Academy

- 5000 square feet laboratory
- Apollo-Advanced Adult Patient Simulator
- Lucina-Advanced Childbirth Simulator
- Advanced Cardiac Life Support Trainer Manikin
- Task trainers Ultrasound simulator
- Laparoscopic trainers
- Other multiple task trainers

2. Phantom head Labs at AB Shetty Memorial Institution of Dental Sciences

- 100 phantom head stations with accessories

3. Basic Nursing Skills Laboratory at the Nitte Usha Institute of Nursing Sciences

File Description	Documents
Teaching- learning and skills acquisition facilities in the Institution	https://www.nitte.edu.in/naac/2019/CRITERIA2/2.3.2/skillLab.php
Geotagged photographs of the facilities	https://www.nitte.edu.in/naac/2019/CRITERIA4/4.1.1/facilities.php
Any other relevant information	Nil

4.1.2 - The Institution has adequate facilities to support physical and recreational requirements of students and staff: sports, games (indoor, outdoor), gymnasium, auditorium, yoga centre etc. and for cultural activities

Outdoor sport facilities

The B CALva Indoor Stadium with synthetic courts for

Basketball, Tennis, Volley ball and throwball. Two football grounds.

Indoor sport facilities

Multi-gymnasium with treadmills, exercise bicycles, weight training equipment, barbells and weight sets, aerobic training equipment. Facilities for table tennis, chess, and carrom.

Auditoriums

Three auditoriums ranging in seating capacity from 200 to 500 for use by the Constituent Colleges of the University. Students use these facilities for the annual cultural festivals and other student council activities. College day celebrations, award ceremonies and special events like TEDX, Spic Macay Events are conducted here.

- Auditorium with seating capacity of 500 is available since 1998 in the Medical College campus of the University. This auditorium with audio-visual facilities including permanent twin-screen display areas is used for all major cultural events of the University.
- Paneer campus served by a 2,750 SqFt Auditorium with seating capacity of 200.
- A 9,215 SqFt Auditorium with seating capacity of 300 is available in the Dental College Complex of the university.

Yoga Centre

A 1650 SqFt Yoga practice hall named "Patanjali Hall" at the Physiotherapy Institute of University. All these facilities have utilization and maintenance policies in place

File Description	Documents
Available sports and cultural facilities: with geotagged photos	https://www.nitte.edu.in/naac/2019/CRITERIA4/4.1.2/sports.php
Any other relevant information	Nil

4.1.3 - Availability and adequacy of general campus facilities and overall ambience

Accommodation

- 16 hostel blocks with single occupancy rooms to triple occupancy rooms for students.

- The hostels have 71% total Students strength capacity (2861).
- Staff accommodation for 366 employees.

Medical facilities

- Free dental treatment and subsidized treatment at the medical hospital for all staff and students.
- Annual free medical check-up for staff.
- Medical students receive immunization against Hepatitis B. All staff and students have been provided free vaccinations against COVID-19.

Canteens: Total of four canteens operate to provide meals and refreshments throughout the day.

Safety Access:

- 24/7 Security guards
- 810 CCTV cameras
- All buildings are compliant with fire safety regulations.

Power supply:

24 hours power supply with generator backup.

Renewable energy sources

- Three solar power installations with a total capacity of 520KW
- Wheeled energy 220 KW
- Biogas plant produces 0.4 kW

Transport fleet:

- 19 buses and 5 vans
- Free commute for all students and staff

The roads within the campus are paved and well lit. Parking is available at all the Constituent Colleges. Dedicated basement parking is provisioned in the hospital building. Parking slots are reserved for the disabled. Disabled- friendly toilets have also been provided in every major building.

File Description	Documents
Geotagged Photographs of Campus facilities	https://www.nitte.edu.in/naac/2019/CRITERIA4/4.1.3/facilitiesCampus.php
Any other relevant information	Nil

4.1.4 - Number of expenditure incurred, excluding salary, for infrastructure development and augmentation during the year

4.1.4.1 - Number of expenditure incurred, excluding salary, for infrastructure development and augmentation during the year (INR in lakhs)

5164

File Description	Documents
Audited report / utilization statements (highlight relevant items)	View File
Details of budget allocation, excluding salary during the year (Data Template)	View File
Any other relevant information	No File Uploaded

4.2 - Clinical, Equipment and Laboratory Learning Resources

4.2.1 - Teaching Hospital/s, Equipments, Laboratory and clinical teaching-learning facilities including equipment as per the norms of the respective Regulatory Bodies

Core facilities:

24 beds 24 x 7 Trauma & Emergency center

Intensive care Unit name No. of beds General 20 Coronary 06 High Dependence Unit 18 Pediatric 10 Neonatal 13 Burns 03

- 18 Operation theatres
- Post-op Ward - 22 beds
- Labour rooms and Labour Theatre
- 24x7 Blood Bank
- 24 x 7 Pharmacy
- Physiotherapy Services
- Speech Therapy and Audiology

- Nutrition and dietetics

Special facilities:

- Transplant center
- Leela Narayan Shetty Centre Neurosciences
- Leela Narayan Shetty Memorial Cancer Institute
- Sleep lab (Polysomnography)
- KSHEMA I.V.F
- Prof. M Shantharam Shetty Tissue Bank
- Occupational Therapy
- KSHEMA Sandhya Geriatric Day Care Centre
- Centers under National Health Program - Satellite ART (Antiretroviral Therapy) & ICTC Centre for HIV, DOTS center, DBCS facility for cataract surgery

Laboratory services:

Histopathology, Hematology, Cytology Clinical Pathology Clinical Microbiology Clinical Biochemistry, KSHEMA centre for genetic services, Nitte University Centre for Stem cell research & Regenerative Medicine, CAD-CAM Centre for dental services

Imaging facilities:

- 1.5T MRI
- 16 Slice MDCT
- 3D, 4D USG with Colour Doppler and elastography
- Cone Beam CT (CBCT)
- Mammography
- Angiography
- Radiography units
- Endoscopic ultrasound & Endoscopic Bronchial Ultrasound
- PACS

File Description	Documents
The facilities as per the stipulations of the respective Regulatory Bodies with Geotagged photos	https://www.nitte.edu.in/naac/2019/CRITERIA4/4.2.1/ClinicalEquipment.pdf
List of facilities available for patient care, teaching- learning and research with geotagged evidences	https://www.nitte.edu.in/naac/2019/CRITERIA4/4.2.1/teaching.php
Any other relevant information	Nil

4.2.2 - Describe the adequacy of both outpatients and inpatients in the teaching hospital vis-a-vis the number of students trained and programmes offered (based on HIMS / EMR)

KS Hegde Medical Academy

For the MBBS program, for admission of 150 students, the Medical Council of India stipulates a requirement of 1200/day out-patient strength, minimum 700 beds and a bed occupancy of 75%. The daily average footfall in the Out-Patient department for the year 2022 was 844. The hospital has a total of 1046 beds and the bed occupancy rate was 43%.

The numbers have increased following the decline seen during the COVID-19 pandemic.

File Description	Documents
Outpatient and inpatient statistics for the year	http://nitte.edu.in/naac/2022/AQAR2022/C4/4.2.2_IP-OPstatistics_2021.pdf
Description of the adequacy of outpatient and inpatient statistics as per the norms of the Regulatory Bodies (critical documents to be verified by DVV)	http://nitte.edu.in/naac/2022/AQAR2022/C4/4.2.2_Patientadequacy_2021.pdf
Link to hospital records / Hospital Management Information System	Nil

4.2.3 - Availability of infrastructure for community-based learning. Institution has:

A. All of the Above

**Attached Satellite Primary Health Centers
Attached Rural Health Centers for training of
students Attached Urban Health Centre for
training of students Residential facility for
students / trainees at the above peripheral
health**

File Description	Documents
Geotagged photographs of Health Centers	View File
Government Order on allotment/assignment of PHC to the Institution	View File
Documents of resident facility	View File
Any other relevant information	No File Uploaded

4.2.4 - Is the Teaching Hospital / Clinical Laboratory accredited by any National Accrediting Agency? NABH accreditation NABL accreditation International accreditation like JCI, ISO certification of departments /Institution GLP/GCLP accreditation.

C. Any 3 of the Above

File Description	Documents
Copies of the Certificate/s of Accreditations	View File
Any other relevant documents	No File Uploaded
Data Template in prescribed format	View File

4.3 - Library as a Learning Resource

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

The libraries of the constituent colleges of Nitte (Deemed to be University) take advantage of an Integrated Library Management System(ILMS) for effective utilization of their resources.

The implementation is based on a Easylib 6.2a Web Application platform. The constituent colleges have been using EasylibSoftware from the time they have come under the ambit of the University. The software platform has been updated and integrated in phases.

Features of ILMS software

- Powerful search tools
- New Arrivals Listing
- Digital Library
- E-Books Search
- Periodicals
- List Requisition and Acquisition management
- Circulation Manager
- Customized Reports and statistics on circulation
- Book Accession Register
- Title Statistics
- In/Out Management

File Description	Documents
Geotagged photographs	https://www.nitte.edu.in/naac/2019/CRITERIA4/4.3.1/Integrated.php
Any other relevant information	Nil

4.3.2 - Number of books and reference volumes as well as collection of ancient books, manuscripts, Digitalized traditional manuscripts, Discipline-specific learning resources from ancient Indian languages, special reports or any other knowledge resource for library enrichment especially with reference to traditional systems of medicines

Library Services and facilities

- 51,100 SqFt of carpet area is available for library services
- Online Public Access Catalog (OPAC)
- In-house/remote access to e-resources
- Inter-library Loan Service
- Information Deployment and Notification
- Computer and Internet Access
- Reprography / scanning including colour Xerox
- User Orientation

During the year 2021-22 the university has procured 1873 textbooks, 825 reference books totalling 42684 Textbooks and 16559 reference volumes to the collection. E-subscriptions to Journals, databases and e-Journals were renewed. The total number of journals 352, e-books accessible to the users is 19588 and number of e-journals is 12412 with full access.

Rare, ancient and special books collection

- Identified and displayed separately from the institution general library stock.
- These include books that are of vintage publication year, special editions, first editions, out of print books, original manuscripts and books related to traditional Indian medical systems.
- Access to digitized versions of Indian rare manuscripts and antique books on topics like Ayurveda, Yoga, Philosophy, Vedic Literature, Jurisprudence etc. through DELNET.
- Books in Local Indian languages Kannada and Tulu

File Description	Documents
Library acquisition data for the year	http://nitteu.easylib.net/nu/
Any other relevant information	No File Uploaded

4.3.3 - Does the Institution have an e-Library with membership/ subscription for the following e – journals / e-books consortia e - ShodhSindhu Shodhganga SWAYAM Discipline-specific Databases

B. Any 3 of the Above

File Description	Documents
Details of subscriptions like e-journals, e-ShodhSindhu, Shodhganga Membership etc. (Data Template)	View File
E-copy of subscription letter/membership letter or related document with the mention of year	View File
Any other relevant information	No File Uploaded

4.3.4 - Annual expenditure for purchase of books and journals (including e-resources) during the year

4.3.4.1 - Annual expenditure for purchase of books and journals during the year (INR in lakhs)

296.63

File Description	Documents
Provide consolidated extract of expenditure for purchase of books and journals during the year duly attested by Finance Officer	View File
Audited Statement highlighting the expenditure for purchase of books and journal library resources	No File Uploaded
Proceedings of Library Committee meetings for the year for allocation of fund and utilization of fund	View File
Details of annual expenditure for purchase of books and journals for the year (Data Template)	View File
Any other relevant information	No File Uploaded

4.3.5 - E-content resources used by teachers/students Other MOOCs platforms SWAYAM Institutional LMS e-PG-Pathshala Any other Government Initiatives

B. Any 4 of the Above

File Description	Documents
Give links or upload document of e-content developed	View File
Supporting documents from the hosting agency for the e-content developed by the teachers	View File
Give links e-content repository used by the teachers / Students	http://nitte.edu.in/naac/2022/AQAR2022/C4/4.3.5_Web_links.pdf
Data Template	View File

4.4 - IT Infrastructure

4.4.1 - Number of classrooms, seminar halls and demonstration rooms linked with internet /Wi-Fi enabled ICT facilities (data for the preceding academic year)

4.4.1.1 - Number of classrooms, seminar halls and demonstration room with ICT facilities

128

File Description	Documents
Number of classrooms, seminar halls and demonstration room with ICT enabled facilities (Data Template)	View File
Description of new facilities added during the preceding academic year	No File Uploaded
Consolidated list duly certified by the Head of the institution	View File
Geotagged photographs	View File
Any other relevant information	No File Uploaded

4.4.2 - Institution frequently updates its computer availability for students and IT facilities including Wi-Fi

The Information Technology Department of the University caters to the IT needs of the University

- Headed by Systems Administrator
- 23 technical staff
- 1172 computers for use by students and staff
- Computers are available in classrooms, laboratories, hospital counters, hostels and libraries
- Local Area Network (LAN)
- Two 1GB internet bandwidth leased lines
- Connected with 10GB/1GB Optical Fiber Network
- Independent broadband connections as back-up networks for the examination section
- An extensive Wi-Fi network
- All students and staff have free access to 4 GB of data per day
- OFC network has been upgraded with 10GB network capability
- Advanced datacentre with 14 Server machines
- All servers operate on Ubuntu OS and run Apache web server, PHP framework, and MySQL as backend database solutions
- The servers are protected with Biometrics controlled access and 24x7 camera surveillance with Fire safety features
- Open source firewall
- Enterprise-grade Intrusion Prevention Systems and Intrusion Detection Systems
- IT solutions and software applications for administrative support, academic support and hospital management

- Regular hardware and software upgrade
- Computers which are more than 7 years older are replaced with new ones. Old computers and peripherals are condemned with licensed E-Waste vendors

File Description	Documents
Documents relating to updation of IT and Wi-Fi facilities	http://nitte.edu.in/naac/2022/AQAR2022/C4/4.4.2_2021-22_E-Governance.pdf
Any other relevant information	Nil

4.4.3 - Available bandwidth of internet connection in the Institution (Leased line)

A. 1 GBPS

File Description	Documents
Details of available bandwidth of internet connection in the Institution	View File
Bills for any one month of the last completed academic year indicating internet connection plan, speed and bandwidth	View File
Annual subscription bill / receipt	View File
Any other relevant information	No File Uploaded

4.4.4 - Facilities for e-content development such as Media centre, audio visual centre, Lecture Capturing System (LCS), etc.

Multi-media Studio An advanced audio-visual studio is available at the Communications College which is available for econtent development. The specially designed multi-media studio is used to train students in radio and television production. Students and faculty have the opportunity of using a professional recording environment and professional equipment which include industry-standard video recorders, DSLRs and various lenses, a green screen, projectors, lighting and audio recorders. With this state-of-the-art equipment, the studio can also be used to record lectures for not just Nitte Institution of Communication, but all other constituent colleges of Nitte, to aid in e-learning and other technology-aided pedagogical practices. A media centre at KS Hegde Medical Academy facilitates for video capturing towards creation of e_learning resources.

Learning Management System The University offers a full-fledged Learning Management System (LMS) called NUeLearn for use by students and teachers. All constituent colleges currently offer course webpages on NUeLearn. Students and faculty have protected accounts on this LMS portal (www.nitte.edu.in/nuelearn) to create, share and access e-learning resources. This site serves as a platform for announcements, postings, lecture handouts, videos for clinical and practical demonstrations, assignments, quizzes and review questions. For faculty, the portal provides a sophisticated Lesson Build tool for developing sequenced multimedia e-learning content. The system is also capable of delivering online tests with varied types of question items like MCQs, fill in the blanks, matching type questions which can be assessed automatically with provision for feedback to students. Utilization of the e-resources on the LMS is encouraging, ranging from 60% to 98%.

File Description	Documents
The e-content development facilities	https://nuelearn.nitte.edu.in/login/index.php
Geotagged photographs	https://www.nitte.edu.in/naac/2019/CRITERIA4/4.4.4/econtent.php
Any other relevant information	Nil

4.5 - Maintenance of Campus Infrastructure

4.5.1 - Number of expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component during the year

11240

File Description	Documents
Audited statements of accounts on maintenance	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Template)	View File
Link to ERP	Nil
Any other relevant information	No File Uploaded

4.5.2 - There are established systems and processes for maintaining physical and academic support facilities: (laboratory, library, sports facilities, computers, classrooms, etc.)

General maintenance of Physical infrastructure by Maintenance Department

- Maintain HVAC services, plumbing services, and general building maintenance services.
- Day to day repairs
- Preventive Maintenance
- Annual Repairs
- Special repairs
- Additions and Alterations to buildings
- An online system for raising service requests and tracking of complaint response

Biomedical Engineering Department

- Ensures functional medical equipment for patients, visitors, and hospital employees through a program of continuous inspection, calibration, testing, repairs, and assistance with in service training.
- The technical team consists of two Biomedical Engineers, three Biomedical Technicians and a clerical staff

Maintenance of Information Technology facilities

- A team of 24 technical staff headed by the Systems Administrator of the Department of Information technology
- Timely maintenance of IT infrastructure
- Provide support for software applications
- All hardware and software sourced from external partners are covered under Annual Maintenance Contracts

Policies for maintenance and effective use of facilities like library and sports facilities have been formulated and adopted.

File Description	Documents
Minutes of the meetings of the Maintenance Committee for the year	http://nitte.edu.in/naac/2022/AQAR2022/C4/4.5.2_MinutesofMeetings.pdf
Log book or other records regarding maintenance works	http://nitte.edu.in/naac/2022/AQAR2022/C4/4.5.2_maintenancelog.pdf
Any other relevant information	http://nitte.edu.in/naac/2022/AQAR2022/C4/4.5.2_Policy_comb.pdf

STUDENT SUPPORT AND PROGRESSION**5.1 - Student Support****5.1.1 - Number of students benefited by scholarships /free-ships / fee-waivers by Government / Non-Governmental agencies / Institution during the year****5.1.1.1 - Number of students benefited by scholarships /freeships / fee-waivers by Government / Non-Governmental agencies / institutions during the year**

511

File Description	Documents
Attested copies of the sanction letters from the sanctioning authorities	View File
Consolidated document in favour of freeships and number of beneficiaries duly signed by the Head of the institution	View File
List of students for the year who received scholarships/ freeships /fee-waivers	View File
Any other relevant information	No File Uploaded

5.1.2 - Institution implements a variety of capability enhancement and other skills development schemes
Soft skills development
Language and communication skill development
Yoga and wellness
Analytical skill development
Human value development
Personality and professional development
Employability skill development

A. All of the Above

File Description	Documents
Detailed report of the Capacity-enhancement programs and other skills development schemes	View File
List of capability enhancement and skill development schemes (Data Template)	View File
Link to Institutional website	Nil
Any other relevant information	No File Uploaded

5.1.3 - Number of students benefited by guidance for competitive examinations and career advancement offered by the Institution during the preceding academic year

5.1.3.1 - Number of students benefited by guidance for competitive examinations and career advancement offered by the Institution during the preceding academic year

681

File Description	Documents
Copy of circular/brochure of such programs	View File
List of students attending each of these schemes signed by competent authority	View File
Program/scheme mentioned in the metric	No File Uploaded
List of students (Certified by the Head of the Institution) benefited by guidance for competitive examinations and career advancement offered by the Institution during the preceding academic year (Data Template)	View File
Any other relevant information	No File Uploaded

5.1.4 - The Institution has an active international student cell

The International Students Cell of the University provides support in the following areas:

1. Creating awareness about NittedU programs at international events, publicity and student recruitment drives.

2. Single window for admission process.

3. Facilitating Visa procedures, registration requirements for foreign nationals and necessary clearances from Government agencies.

4. Providing support for Student Housing, local commute and travel arrangements.

5. Facilitating health care for International students.

6. Liaisoning and co-ordination between the government agencies, embassies and other organizations that are involved in sponsoring / supporting international students.

7. Easing cross-cultural adjustment for international students by organizing cultural events that sensitize domestic students to foreign cultures and thereby improving awareness and tolerance.

8. Facilitating academic mentoring and support for international students. This includes language skills development where required

File Description	Documents
International students' cell	https://nitte.edu.in/student-support-services.php#isc
Any other relevant information	Nil

5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances / prevention of sexual harassment and prevention of ragging Adoption of guidelines of Regulatory Bodies Presence of the committee and mechanism of receiving student grievances (online/ offline) Periodic meetings of the committee with minutes Record of action taken

A. All of the Above

File Description	Documents
The Institution has a transparent m	View File
Circular/web-link/ committee report justifying the objectives of the metric	Nil
Details of student grievances and action taken (Data Template)	View File
Any other relevant information	No File Uploaded

5.2 - Student Progression

5.2.1 - Number of students qualifying in state/ national/ international level examinations (eg: NET/SLET/GATE/GMAT/ GPAT/CAT/ GRE/TOEFL/ PLAB/ USMLE /Civil services/ Defense/UPSC/State government examinations/ PG-NEET/ AIMS PGET, JIPMER Entrance Test, PGIMER Entrance Test etc.) during the preceding academic year

179

File Description	Documents
Number of students qualifying in state/ nation	View File
Pass Certificates in the examination	View File
Any other relevant information	No File Uploaded

5.2.2 - Number of placement /self-employed professional services of outgoing students during the preceding academic year

5.2.2.1 - Number of outgoing students who got placed / self-employed during the preceding academic year

502

File Description	Documents
Self-attested list of students placed / self-employed	View File
Details of student placement / self-employment during the preceding academic year (Data Template)	View File
Any other relevant information	No File Uploaded

5.2.3 - Number of the graduates in the preceding academic year, who have had progression to higher education**5.2.3.1 - Number of outgoing students progressing to higher education****289**

File Description	Documents
List of students who have progressed to Higher education preceding academic year	No File Uploaded
Supporting data for students/alumni	View File
Details of student progression to higher education (Data Template)	View File
Any other relevant information	No File Uploaded

5.3 - Student Participation and Activities**5.3.1 - Number of awards/medals for outstanding performance in sports/ cultural activities at state/regional/national/international events (award for a team event should be counted as one) during the year****5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at state/regional /national/international events (award for a team event should be counted as one) during the year****23**

File Description	Documents
e-copies of award letters and certificates	View File
List of awards/medals for outstanding performance in sports/cultural activities at national/international events during the year (Data Template)	View File
Any other relevant information	No File Uploaded

5.3.2 - Presence of Student Council and its activities for institutional development and student welfare

Each of the Colleges of the University has a Student Council that is reconstituted each year. The officebearers of the councils include a President, Vice President, General Secretary, Cultural Secretaries, Sports Secretaries and Editorial Secretaries as well as

representatives from each batch. The councils have designated Staff Advisors to guide their activities. The University supports the activities of the Student Council. The objectives of Students' Council are as follows:

To promote interaction between students and teachers.

To develop leadership quality and civic responsibilities in students.

To promote cultural, literary and sports talents of the students.

To facilitate all round personality development of students.

The major activities of the Council include:

Organizing the annual Literary and Cultural festivals

Organizing the annual Sports Day Organizing the annual College Day.

Organizing other events of interest to the students community.

Organising social awareness programmes .

Bringing out the annual College Magazine.

The expenditure for the various activities is met with the funds earmarked for the Students' council by the Colleges. Representatives of the Students Councils or its nominees are invited to participate in meetings of bodies like the College Councils, Internal Quality Assurance Cells, Anti-ragging Committees and Library Committees. Their inputs have contributed to institutional development and welfare.

File Description	Documents
Student Council activities during the year	http://nitte.edu.in/naac/2022/AQAR2022/C5/5.3.2_supporting doc.pdf
Any other relevant information	Nil

5.3.3 - Number of sports and cultural activities / events/ competitions organised in the Institution during the year

5.3.3.1 - Number of sports and cultural activities / competitions organised by the Institution

during the year

98

File Description	Documents
Report of the events/along with photographs appropriately dated and captioned	View File
Copy of circular/brochure indicating such kind of activities Information as per Data template	View File
Any other relevant information	No File Uploaded

5.4 - Alumni Engagement

5.4.1 - The Alumni Association/Chapter (registered and functional) has contributed significantly to the development of the Institution through financial and other support services during the year

Nitte DU is putting its conscious efforts to engage its Alumni through the Alumni Association and the Nitte Alumni Relations Team. The collaborative efforts of both the entities are paying dividends and more Alumni are being engaged.. Headed by the Director, each institution is represented by their nominated faculty as member in the Nitte Alumni Relations Team. Larger Institutions have more than one member. Nitte ART tries to build emotional connect with the members of Nitte Alumni community- members of which are all those who have studied at different Nitte Institutions. The objective is to develop them as Brand Ambassadors of Nitte. Nitte ART supports Alumni Association in all their activities. The effort is to break the institutional barriers and develop one Nitte Alumni community who will collaborate amongst themselves for their own professional growth as well as to help the Alma -mater. A new, social media integrated Nitte Alumni Portal has been launched with URL<https://alumni.nitte.edu.in>. This technology enriched portal helps in most of the Alumni Engagement Activities of the University. Alumni details, based on the admission records all the students who have taken admission right from the inception of the constituent Institutions of NitteDU are uploaded and efforts are on to track the Alumni with their current profiles. Alumni are encouraged to voluntarily register on the portal.

File Description	Documents
Details of Alumni Association activities for the year	View File
Frequency of meetings of Alumni Association with minutes	View File
Quantum of financial contribution for the year	View File
Audited statement of accounts of the Alumni Association for the year	No File Uploaded

5.4.2 - Provide the areas of contribution by the Alumni Association / chapters during the year Financial / kind Donation of books /Journals/ volumes Students placement Student exchanges Institutional endowments

B. Any 4 of the Above

File Description	Documents
Annual audited statements of accounts. Extract of Audited statements of highlighting Alumni Association contribution duly certified by the Finance Officer and Head of the Institutions	No File Uploaded
List of Alumni contributions made during the year	View File
Certified statement of the contributions by the head of the Institution	View File
Any other relevant information	No File Uploaded

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The Institution has clearly stated Vision and Mission which are reflected in its academic and administrative governance

Vision: To build a humane society through excellence in education and health care

Mission: To develop Nitte as a Centre of Excellence imparting quality education, generating competent, skilled manpower to face

the scientific and social challenges, with a high degree of credibility, integrity, ethical standards, and social concern.

Nature of governance driven by vision and mission: The broad goal of governance is to achieve the stated vision of the University.

The perspective plan is developed with specific goals and action plans to carry out the mission towards achieving the vision. activities and With the steady climb in Nitte DU's NIRF rankings, the impact of the University's social responsibility towards its vision of building a humane society through excellence in education and health care are evident.

Participative governance: Consultative meetings of departmental staff, College Councils,

Boards of Studies, Quality Assurance Cells, Academic Council and Board of Management provide avenues for employees and other stakeholders to participate directly or indirectly in governance.

Autonomy: A trusting environment is cultivated where employees have appropriate autonomy to function effectively. Efforts are made to make employees feel valued so that motivation is maintained.

Accountability: Delegation of authority at various levels leads to responsibility. Heads of Teaching Departments are responsible for delivery of educational processes. Educational quality is monitored through College Councils and Boards of Studies. Academic & Administrative Audits and Financial audits are conducted to instil accountability. Annual appraisal of performance promotes accountability at individual level.

File Description	Documents
Vision and Mission documents approved by the Statutory Bodies	https://nitte.edu.in/vision.php
Report of achievements which led to Institutional excellence	Nil
Any other relevant information	No File Uploaded

6.1.2 - Effective leadership is reflected in various Institutional practices such as decentralization and participative management etc.

The University adopts decentralization and participative management practices. The organizational structure allows for delegation of responsibilities and tasks. There is an existence of multiple

levels-departments, Institutions and University for participative management. Consultative meetings of departmental staff, College Councils, Boards of Studies, Quality Assurance Cells, Academic Council and Board of Management provide avenues for employees and other stakeholders to participate in governance. Opportunities for participation of various stakeholders in decision making in academic and administrative aspects of governance is provided like Internal Quality Assurance Cells, Curriculum Development Cells, Library committees, Boards of Studies, Academic Council and Board of Management.

The multi-level organizational structure allows for delegation of responsibilities and tasks. Seeking inputs from stakeholders, Planning of the annual budget and the purchase process provides a examples for participative management.

At the beginning of each financial year, the Heads of the Constituent Units seek budgetary requirements from the departments and sections of the unit. The departmental budget proposals are drawn up by Heads of Departments in consultation with the members of the department. Departmental meetings provide opportunities for teaching as well as non-teaching staff to contribute to the discussion on the plans of the departments. The consolidated proposals are then forwarded to the University. Consultations between the Director (Finance) and the Heads of Institutions help in prioritizing and refining the budgetary proposals. The budgetary plan, compiled after balancing the needs of all the constituent units is then discussed in the Finance Committee for approval.

File Description	Documents
Information / documents in support of the case study	http://nitte.edu.in/naac/2019/CRITERIA6/6.1.2/budgetCaseStudy_D1.pdf
Any other relevant information	Nil

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic plan is effectively deployed

The Planning, Monitoring and Review Board (PMRB) of Nitte DU deliberated upon developing a Perspective Plan during the year 2015. Following this the perspective plan document was developed based on inputs from various stakeholders. It was adopted in 2015.

The plan addresses growth over a 10-year period from 2016 to 2025. It is derived from the stated vision and mission of the University. It includes seven long term goals to be achieved by the year 2025.

It identified ten short-term goals for the period 2016 to 2018 in the perspective of the long-term goals. Responsibility of deployment is delegated through the existing organization structure. Actions required at the Constituent colleges are guided and monitored by the Heads of Institution. The University administration facilitates the process and monitors the progress through the PMRB.

The PMRB reviews the perspective plan implementation and will set new two-year short-term goals on a rolling basis. During the last review in 2021, the board has recommended drawing up a new strategic plan given the changes in many external factors, including the introduction of the new National Education Policy.

File Description	Documents
Strategic Plan document	View File
Minutes of the Governing Council/ other relevant bodies for deployment / monitoring of the deliverables during the year	View File
Any other relevant information	No File Uploaded

6.2.2 - Effectiveness and efficiency of functioning of the Institutional bodies as evidenced by policies, administrative setup, appointment and service rules, procedures etc.

The Board of Management is the highest policy-making body and is chaired by the Vice-Chancellor. It deliberates on policies and plans for the University as a whole and ensures that the University functions and grows as per the guidelines of the regulatory framework.

Financial policies, strategic plans, approvals for new programs and University appointments are directed by the Board of Management. In the past two years, the presence of Dr. Omid Ansary, Senior Associate Dean for Academic Affairs, Penn State University, USA on the Board has provided crucial inputs for the functioning of the University.

The Academic Council, chaired by the Vice-Chancellor, is the decision making body for all

Academic matters. Award of degrees, introduction of new programs,

development and revision of curricula and promotion of research are the key areas of deliberation by the Academic Council.

The Finance Committee advises the Board of Management on financial planning, is responsible for budgetary appropriations, monitoring of financial health, tax and other regulatory compliance and developing strategies for effective mobilization and

utilization of financial resources.

The Planning and Monitoring Board develops and approves the perspective plans for the growth of the University and oversees the implementation of the plans.

File Description	Documents
Annual Report of the preceding academic year	http://nitte.edu.in/naac/2022/AQAR2022/Annual_Report_2122.pdf
Minutes of meetings of various Bodies and Committees for the preceding academic year	https://nitte.edu.in/naac/2022/AQAR2022/C6/Academic%20Council%20minutes_compressed.pdf
Any other relevant information	Nil

6.2.3 - The University has implemented e-governance in the following areas of operation
Planning and Development Administration
(including Hospital Administration & Medical Records) Finance and Accounts Student Admission and Support Examination

A. All of the Above

File Description	Documents
Institutional budget statements allocated for the heads of E-governance implementation ERP Document for the year	No File Uploaded
e-Governance related document	View File
Screen shots of user interfaces	View File
Any other relevant information	No File Uploaded

6.3 - Faculty and Staff Empowerment Strategies

6.3.1 - The Institution has effective welfare measures for teaching and non-teaching staff and other beneficiaries.

The following welfare measures are available for teaching and nonteaching staff -

EPF, Pension and Gratuity: All regular employees receive Employee Provident Fund , Pension and gratuity benefits.

Health care benefits: All employees are offered a free medical examination at the time of recruitment and every year thereafter. Subsidized health care is available in the multispeciality hospital to the teaching staff and their dependent parents and children. Subsidies amounting up to 50% is offered on investigations, room rent, and charges. Non-teaching staff are eligible for free/subsidized healthcare through the Employee State

Insurance scheme.

Maternity leave: Regular employees are eligible for maternity leave of 182 days

Leave encashment: Non-teaching staff are credited 30 earned leaves (EL) per year, which can be accumulated up to a total of 240 days. They can encash their unused earned leaves

every year

Free conveyance: All staff can avail free commute from and to various parts of the city **Subsidized accommodation:** Staff are offered accommodation in on-campus and off-campus residential facilities on a need basis

Fee concession for employee children: Employee children are offered fee concessions in the constituent Institutions

Creche facility: A free creche is available in the campus for day care of children of the employees

Qualification Allowance: Any staff who upgrades his/her qualification, gets a

qualification allowance

Stagnation increment Benefit: Non-teaching staff who remain in the same scale, are given a stagnation increment after 10 years in case

of graduate staff and 15 years in case of non-graduate staff.

File Description	Documents
Policy document on welfare measures	https://www.nitte.edu.in/naac/2019/CRITERIA6/nupolicies/NU_StaffWelfarePolicy_V1.pdf
List of beneficiaries of welfare measures	Nil
Any other relevant information	Nil

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

384

File Description	Documents
Details of teachers provided with financial support to attend conferences, workshops etc. during the year (Data Template)	View File
List of teachers provided membership fee for professional bodies during the year	View File
Policy document on providing financial support to teachers	No File Uploaded
E-copy of letter/s indicating financial assistance to teachers and list of teachers receiving financial support under each head	View File
Audited statement of account highlighting the financial support to teachers to attend conferences/workshops and towards membership fee for professional bodies during the year	No File Uploaded
Any other relevant information	No File Uploaded

6.3.3 - Number of professional development / administrative training programmes organized by the University for teaching and non-teaching/technical staff during the year (Continuing education programmes, entrepreneurship development programmes, Professional skill development programmes, Training programmes for administrative staff etc.,)

125

File Description	Documents
List of professional development / administrative training programmes organized by the University for the year	View File
The lists of participants who attended the above programmes during the year (Data template)	View File
Detailed program report for each program	View File
Reports of the Human Resource Development Centres (UGC ASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centres. Verification of schedules of training programs	No File Uploaded
Copy of circular/ brochure/report of training program self-conducted program may also be considered	No File Uploaded
Any other relevant information	No File Uploaded

6.3.4 - Number of teachers who have undergone Faculty Development Programmes (FDP) including online programmes (Orientation / Induction Programmes, Refresher Course, Short Term Course etc.) during the preceding academic year

552

File Description	Documents
Details of teachers who attended FDPs during the preceding academic year (as per Data Template)	View File
Details of teachers who attended FDPs during the preceding academic year (as per Data Template)	View File
E-copies of the certificates of the programs attended by teacher Any other relevant information	View File

6.3.5 - Institution has Performance Appraisal System for teaching and non-teaching staff

The University has an ongoing Performance appraisal system that is based on the following guiding principles:

The performance evaluation framework for faculty members consists of five sections

viz. Academics, Research, Services, HoD's appraisal and HoI's appraisal. The evaluation is based on metrics of performance that provide appropriately weighted measure of objective, verifiable performance outcomes.

The performance of Heads of departments (where applicable) is evaluated using a framework consisting of four sections. Section 1 comprises of objective, verifiable metrics related to outcomes and achievements of the department. Section 2 provides weightage to the HoD's contribution to research as an individual. Section 3 which quantifies the feedback provided by the departmental colleagues and Section 4, appraisal by HoI are based on Likert scale-based evaluation tools.

Faculty and HoDs are placed in three categories based on their performance. Those placed in Categories 1 and 2 are awarded a monthly performance based allowance.

File Description	Documents
Performance Appraisal policy of the Institution	View File
Report on the analysis of the Performance Appraisal for the teaching and non-teaching staff for the year as submitted to the Board of Management/ University Senate etc.	View File
Any other relevant information	No File Uploaded

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institutional strategies for mobilisation of funds and the optimal utilization of resources

The resource mobilization policy provides a framework for the University's strategies for assessing resource requirements, identifying sources, management of resources, and oversight of processes involved.

The policy has sections on the Purpose, Goal, Guiding principles, Situation analysis and Policy statements regarding management of revenue sources, surplus utilization and contingency plans for deficit management.

Goal of the policy: The financial goal of the University is to ensure adequate cash flow for operational expenses and generate reasonable surplus for growth and expansion in line with the Strategic Plan 2015-25.

Guiding principles:

1. The University will generate adequate funds for operational and capital expenditures from internal revenue sources
2. The student fees will remain close to sector averages in order to continue offering affordable education in line with the University's vision and mission
3. The surplus generated will be utilized for planned expansion of the University.

The policy addresses following components:

- Management of Revenue Sources
- Utilization of surplus
- Contingency plan for deficit management
- Coordination and oversight

File Description	Documents
Resource mobilization policy document duly approved by BoM / Syndicate / Governing Council	https://www.nitte.edu.in/naac/2019/policies/NU_ResourceMobilizationPolicy_Draft_23JUL2019.pdf
Procedures followed for optimal resource utilization	Nil
Any other relevant information	Nil

6.4.2 - Funds / Grants received from Government / Non-Government bodies / philanthropists during the years (excluding scholarships and research grants covered under Criterion III)

File Description	Documents
Audited statements of accounts for the year	No File Uploaded
Copy of letter indicating the grants/funds received by respective agency as stated in the metric	No File Uploaded
Provide the budget extract of audited statement towards Grants received from Non-Government bodies, individuals, philanthropist duly certified by chartered accountant and/or Finance Officer	View File
Information as per Data template	View File
Any other relevant information	No File Uploaded

6.4.3 - Institution conducts internal and external financial audits regularly

The institute has a mechanism for internal and external financial audits. Internal audit is handled by in-house audit team. The audit team prepares an audit schedule to review the entire accounting procedure to ensure proper financial controls at every point of money disbursement and to prevent any revenue leakage. The audit team does a thorough check and verification of all payment vouchers on continuous basis. There is a system of pre-audit before any payments are made. The University has established independent books of accounts for each constituent colleges / units which are subject to audit by the internal audit team.

The team ensures compliance of all manuals regulating the powers and responsibilities of various functionaries. They review the effectiveness of the software in various fields and suggest improvements. The audit reports are discussed in the Finance committee of the University and actions are taken wherever necessary.

External audits are conducted by qualified chartered accountants appointed by the University. The statutory auditors conduct the audit of accounts from 1st April to 31st March every year. They carry out the audit with regard to the compliance of all statutory provisions and also ensure proper presentation of annual accounts to confirm to the established accounting standards.

The audit report along with the audited statements of accounts is placed before the Finance Committee for their approval. After approval by the Finance Committee the annual accounts along with the report of the auditors are placed before the Board of Management for their approval.

File Description	Documents
Policy on internal and external audit mechanisms	https://www.nitte.edu.in/naac/2021/AQAR20-21/C6/643_AuditPolicy.pdf
Financial Audit reports for the years	https://www.nitte.edu.in/naac/2021/AQAR20-21/C6/FinAuditReport_NDU2020-21.pdf
Any other relevant information	Nil

6.5 - Internal Quality Assurance System

6.5.1 - Institution has a streamlined Internal Quality Assurance Mechanism

The University has developed a dynamic quality assurance mechanism which has driven initiatives for promoting excellence, supported implementation of the steps towards enhancing quality and monitored the impact of such actions. The mechanism adopted

involves an Internal Quality Assurance Cell that functions at the University level, which in turn is supported by IQACs at each of the constituent colleges. Since each of the constituent colleges has different challenges and opportunities, this distributed quality assurance mechanism has proven to be more effective.

The Internal Quality Assurance Cell of the University is constituted as per the guidelines of NAAC and includes representatives from teachers, administrators, students, parents, external experts and industry / employer organizations. The IQACs of each of the colleges also have included multiple stakeholders. In addition, in each of the constituent colleges, teams of two to four faculty have been named as coordinators to lead the quality initiatives for each of the seven domains of functioning of higher education institutions. This approach has encouraged direct participation of a larger number of stakeholders in quality processes. The broadening of the participation has been a crucial aspect of greater internalization of quality oriented efforts.

File Description	Documents
The structure and mechanism for Internal Quality Assurance	https://nitte.edu.in/igac1.php#internal
Report on the quality sustenance/enhancement initiatives of the IQAC during the year	http://nitte.edu.in/naac/2022/AOAR2022/C6/POA_2021_22.pdf
Minutes of the IQAC meetings for the year	https://nitte.edu.in/igac1.php#meeting
Any other relevant information	Nil

6.5.2 - Quality assurance initiatives of the Institution include: Academic and Administrative Audit (AAA) and initiation of follow-up action Conferences, Seminars, Workshops on quality Collaborative quality initiatives with other Institution(s) Orientation programmes on quality issues for teachers and students Participation in NIRF process Any other quality audit by recognized State, National or International agencies (ISO, NABH, NABL Certification, NBA, any other)

A. All of the Above

File Description	Documents
Report /certificate of the Quality Assurance Initiatives as claimed by the Institutions eg: NBA, ISO, NABH, NABL, AAA etc.,	View File
Data template including documents/certificates relating to options 1 to 6 above	View File
Any other relevant information	No File Uploaded

6.5.3 - Impact analysis of the various initiatives carried out and used for quality improvement during the year

Impact of research promotion initiatives: Over the last five years, several initiatives have been introduced to promote research productivity. These include creation of research infrastructure, provision for intramural research grants, incentives for obtaining external funding and publishing quality papers, training for faculty and postgraduate students in research methodology, technological

support in the form of english writing tools and plagiarism screening.

The impact of these measures is assessed using the following parameters:

1. Number and amount of external research funding obtained
2. Funding-to-faculty ratio
3. Number of indexed publications
4. Publication-to-faculty and Citations-to-faculty ratios
5. Intellectual property rights

Such an analysis has revealed the following outcomes:

1. The external funding for research projects has increased to from Rs. 2.64 crores to Rs. 3.67 crores in the year 2021-22.
2. The number of faculty with funded projects (external/intramural) has gone up from 140 in the year 2020-21 to 156 in the year 2021-22.
3. The number of publications in indexed journals was 265 in Scopus and 265 in WOS during the year 2020. In 2021, it has increased to in 372 Scopus and 345 in WOS
4. The H-index of the University has improved to 59 in Scopus and 54 in WOS.
5. 8 patents published, 3 patents granted, 2 copyrights, 1 technology transfer have been done in 2022.

File Description	Documents
Relevant documents/information on the process and results of impact analysis on the above aspects	Nil
Any other relevant information	No File Uploaded

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

NitteDU has a healthy gender ratio in both it's student and staff community. Women constitute 67% of the student strength and 72% of the workforce. Within the curriculum, a module on gender sensitivity have been introduced in most of the Programs offered by the University. The following facilities have been provided for women on the campus:

Safety and security

- Round-the clock security. Women guards are part of the University's security force to assist women students and staff.
- Surveillance cameras at key places to act as a deterrent against acts of harassment/violence against women.
- Free of cost commute in University Buses and Vans to and from various parts of the city as a safe alternative for public transport.
- The women's hostels have been provided with sanitary pad vending machines and incinerators.
- Counselling services by women counsellors and Psychiatrists for Women, students and staff on the campus.
- Common Rooms in each of the constituent colleges for the exclusive use of women students.
- Free of charge Day-care center for young children (creche) for working mothers.
- Senior Citizens Day-care center for dependents of staff during working hours.

File Description	Documents
Annual gender sensitization action plan	https://nitte.edu.in/Women-friendly%20campus.php
Specific facilities provided for women in terms of: a. Safety and security b. Counselling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://sustainable.nitte.edu.in/home/sdg05_2022.php

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

A. All of the Above

File Description	Documents
Geotagged Photographs	View File
Any other relevant information	No File Uploaded
Data template in prescribed format	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 100 - 200 words)

Solid waste management :

- Wet and dry waste are sorted at source.
- Color-coded bins (green for degradable, blue for recyclable) are provided in the campus for segregation at source.
- Plastic bottles, containers and other reusable items are collected by licensed waste handlers for recycling.
- Dry waste is disposed using a diesel-operated incinerator.
- A composting facility is available to utilize organic waste for generating manure for the gardens.
- Recycling of organic waste generated by the central Kitchen is achieved by a Biogas unit.

Liquid waste management: Three Waste-water treatment plants (STP) with a total capacity of 1250 Kilo Litres / Day are provided for in the campus. Two methods of water treatment are followed in these waste-water treatment plants:

- Sequencing Batch Reactor System
- Activated Sludge Process

The disinfected water is used for flushing toilets, watering gardens and sports fields.

Biomedical waste management:

Biomedical waste is sorted at source using colored bins as per universal guidelines. Precautions are taken for safe collection of needles, infected material etc. and is then disposed through a certified agency.

E-waste management:

The University follows a centralized e-waste disposal procedure. It is disposed safely through an agency recognized by Pollution Control Board (PCB).

Hazardous waste:

- Hazardous chemicals used in laboratories are collected safely and disposed of through an authorized vendor.
- Used oil, oil-soaked cotton waste and filters containing used oil from vehicles and machinery are disposed of through an

authorized vendor.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	http://nitte.edu.in/naac/2022/AOAR2022/C7/7.1.3 MOU AYUSH waste dispo.pdf
Geotagged photographs of the facilities	https://nitte.edu.in/naac/2019/CRITERIA7/7.1.3/waste.php
Any other relevant information	https://sustainable.nitte.edu.in/home/SDG12.php

7.1.4 - Water conservation facilities available in the Institution Rainwater 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	No File Uploaded

7.1.5 - Green campus initiatives include: Restricted entry of automobiles Battery-powered vehicles Pedestrian-friendly pathways Ban on the use of Plastics Landscaping with trees and plants

A. All of the Above

File Description	Documents
Geotagged photos / videos of the facilities	View File
Relevant documents / reports	No File Uploaded
Any other relevant documents	No File Uploaded
Data template in prescribed format	View File

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

A. All of the Above

and any awards received for such green campus initiatives: Green audit Energy audit Environment audit Clean and green campus recognitions / awards Beyond the campus environmental promotion activities Any awards received for green campus initiatives

File Description	Documents
Audit reports of the institution related to the metric Data template	View File
Any other relevant information	View File

7.1.7 - The Institution has Divyangjan friendly, barrier-free environment Built environment with ramps/lifts for easy access to classrooms. Divyangjan friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for Divyangjan to access NAAC for Quality and Excellence in Higher Education AQAR format for Health Sciences Universities Page 68 website, screen-reading software, mechanized equipment Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading material, screen reading

A. All of the Above

File Description	Documents
Geotagged photographs / videos of the facilities	View File
Relevant documents / reports	View File
Any other relevant information	No File Uploaded
Data Template	View File

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

NitteDU enjoys an enriching presence of students and staff from across the spectrum of socio-cultural backgrounds. Sixty seven percent of students are from outside Karnataka, with representation from 27 states and 6 Union territories. International students from

11 countries are also present on the campus. Cultural sensitivity and respect for others is stressed upon in the orientation programs for students. The annual cultural festivals of the constituent colleges provide a platform for students to learn about each other's traditions and heritage. The colleges also organize celebrations of festivals such as Deepavali, Navaratri, Holi, Christmas, Onam, and Aati (a local Tulu festival). NitteDU has also established a Centre for Tulu Studies for research work on Tulu heritage and regional culture. Tulu is a language spoken widely in Dakshina Kannada and Udupi districts of Karnataka and parts of Kasaragod district in Kerala. The Namaste Centre Center for Studies on North Eastern States (NAMASTE) is an unique program that the University launched in 2015 has grown into an important initiative for cultural integration. The center fosters cultural enrichment, harmony, and tolerance through following activities:

- Facilitating Exchange Programs for faculty and students.
- Promotion of north-eastern languages.
- Scholarship support for students from North-Eastern states.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	https://nitte.edu.in/linguistic.php
Any other relevant information	https://sustainable.nitte.edu.in/home/sdg10_2022.php

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

The University has incorporated courses / modules on the Constitution of India and Civil responsibilities in many of its Programs. Co-curricular activities are also organized to sensitize students and staff to their citizenship roles.

List of programs with an Audit course (assessment at Institution level) on Constitution and Civil responsibilities:

- BDS
- MBBS
- BSc (Medical Imaging Technology)
- BSc (Medical Laboratory Technology)

- BSc (Anaesthesia and Operation Theatre Technology)
- Pharm D
- BArch
- BPT
- BSc Nursing
- BSc Respiratory Therapy
- BSc Radiation Therapy Technology
- BSc Renal Dialysis Technology

List of programs with a non-assessed module on Constitution and Civil responsibilities:

- MD (Community Medicine)
- MS (General Surgery)
- MD (Forensic Medicine and Toxicology)
- BA (Journalism and Mass Communication)
- MA (Journalism and Mass Communication)
- MSc Nursing (Medical Surgical Nursing)
- MSc Nursing (OBG Nursing)
- MSc Nursing (Pediatric Nursing)
- MSc Nursing (Mental Health Nursing)
- MSc Nursing (Community Health Nursing)

In addition to this, co-curricular activities are organized to sensitize students to constitutional obligations.

File Description	Documents
Details of activities that inculcate values necessary to render students to be responsible citizens	http://nitte.edu.in/naac/2022/AQAR2022/C7/7.1.9_reports.pdf
Any other relevant information	Nil

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

A. All of the Above

File Description	Documents
Weblink of the code of conduct	https://nitte.edu.in/naac/2021/AQAR20-21/C7/710_docLinks.pdf
Details of the monitoring committee of the code of conduct	No File Uploaded
Details of Programs on professional ethics and awareness programs organized during the year	View File
Any other relevant information	No File Uploaded

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

The University encourages its Constituent Colleges to organize commemorative events of national and international importance. Besides providing budgetary support for such events, the University also provides administrative and logistics support. Commemorative events on the following themes are organized: A. National Days 1. Independence Day and Republic Day are celebrated with flag hoisting ceremony and cultural events. The University delegates the responsibility of organizing these events to the Constituent Colleges so that each of the colleges, in turn, gets to host and coordinate the celebration on behalf of the university. B. Birthdays of Mahatma Gandhi, Martyr's Day and Rashtriya Ekta Diwas are also observed. C. Awareness days for issues of public health These are events organized to enhance awareness about health conditions which have an impact on public health. These provide an opportunity to promote preventive health in the community. Such events are often associated with screening camps for early detection and treatment. They are held both on the campus and as part of extension activities in the community. E. Celebration of Professional Recognitions Days The commemorative days for professionals such as Doctors' Day, Nurses' Day and Teachers' Day are celebrated to recognize the contributions of the respective professionals. Eminent professionals of the field who have in particular served the local region are felicitated on these days.

File Description	Documents
Annual report of the celebrations and commemorative events for the year	View File
Geotagged photographs of some of the events	No File Uploaded
Any other relevant information	No File Uploaded

7.2 - Best Practices

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

Best Practice 1:

1.Title: Apathbandhu-Nitte Smart Health Village Project.

2.Objectives:

- Identify Apathbandhu volunteers from community.
- Educate on first aid measures and attend to any emergencies in community and save lives.

3.Context:

Project aims to impart knowledge and skills to rural volunteers to help the needy in any emergencies using first aid.

4.Practice:

Training programs for rural volunteers are conducted by ENLS certified trainers on first aid and emergency care.

5.Evidence of Success:

Rural volunteers have expressed that they have become more knowledgeable, confident, and participative in delivering timely first aid services for everyday emergencies.

6.Problems Encountered and Resources Required:

Few volunteers expressed difficulty in convincing people and getting involved in first-aid and safe transfers during emergencies.

Best Practice 2.

1.Title: Empowering students with skills for clearing competitive exams and improving scientific communications.

2.Objectives:

- Equip students with competence in answering competitive examinations.
- Train students in improving their scientific communication skills.

3.Context:

Selection into academic institutes is based on clearing competitive exams at national or state level. Scientific Communication Skills course is relevant for students as publications are mandatory requirements for obtaining a PhD degree.

4.Practice:

Competitive exam training engages students for 4-6 months with 1 session per week.

Scientific communication skills course is designed for 18 contact hours.

5.Evidence of Success:

Increased interest in students to appear for competitive exams. Scientific Communication Skills course is expected to increase research output.

6.Problems Encountered and Resources Required: Demands of academic curriculum exerts time restriction and constraints on students who undertake these courses and faculty who deliver courses.

File Description	Documents
Best practices in the Institutional web site	https://nuins.nitte.edu.in/news-details.php?id=390
Any other relevant information	http://aboutnitte.blogspot.com/search?q=NUCSER+value+added+course

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution during the year in one area distinctive to its priority and thrust within 100 - 200 words

TOTAL ORAL CARE FOR RURAL AND SEMI-URBAN POPULATION AT THE DOORSTEP-FREE OF COST

University provides free dental care for patients from time of inception. It aims at providing inclusive dental care to all socioeconomic groups and backward classes in society. The rural areas in and around Dakshina Kannada with remote villages do not have access to basic oral health care. To realize this vision a new concept was envisaged and prepared for a health system to be developed for a continuous and progressive improvement of the health status and economic progression of the rural and semi-urban population in the form of Total Health Care for Rural And Semi-Urban Population At The Door Step - Free Of Cost.

Along with patient oral health care delivery, the centres facilitate dental students to experience professional and interpersonal relationships between dentists, allied dental professionals and patients. There are 17 satellite centres in the radius of 150 km from the college which includes districts of Kodagu, Chickmagalur, Udupi, and North Kerala. Through the centres, many outreach programmes are conducted to create awareness. Single day denture fit in the camp are organized wherein the specialists in the field of prosthodontics visit these patients at their village and treat the patients by providing complete denture prosthesis in a single day without any charges.

Our University can boast of restarting patient management after the COVID induced lockdown in a designated COVID emergency clinic, a triage area and later on in all respective departments with strict implementation of cross-infection protocols.

File Description	Documents
Appropriate web in the Institutional website	https://nitte.edu.in/rural-health-center.php
Any other relevant information	Nil

7.3.2 - Future Plans of action for next academic year (100 - 200 words)

- Programs which have not seen major revisions in last 3 / 5 years to be revised.
- Offer at least 20 Value Added Courses and at least 30% of

students to complete at least one VAC during the year.

- Create online activities to support at least 20% of curriculum delivery.
- At least 80% of faculty to undergo minimum 30 hours of faculty development program.
- 100% of new staff (teaching and non-teaching) to undergo Induction program.
- At least 60% of faculty to undergo minimum of 6 hours of training for development and delivery of e-content / online learning.
- Student Satisfaction Survey to be conducted.
- Intramural research support of Rs. 60 Lakhs to be obtained.
- External research funding receipts of Rs. 500 Lakhs to be obtained.
- 30 externally funded research projects to be initiated.
- At least 5 Academic Workshops/seminars activities to be conducted per year by each college.
- 18 patents to be published / awarded.
- 5 copyrights to be awarded.
- 350 indexed papers to be published.
- At least 3 activities for students preparing for competitive examinations are to be organized by each institution.
- Each college to conduct at least four activities related to career guidance, placement and entrepreneurship.
- Track placement information of at least 80% of graduates of last three years.
- Every college to conduct at least one alumni meet.
- To Obtain alumni support for student exchange / placements / endowments.
- Provide academic support for at least 30% of faculty to attend workshops / conferences / professional body memberships.
- At least 2 Professional development programs per year for every 100 non-teaching staff to be conducted.
- Each college to organize at least 4 Environmental sustainability activities.
- Conduct annual green audit and energy audit.