

The Annual Quality Assurance Report (AQAR) of the IQAC

Part – A

AQAR for the year

2016-17

1. Details of the Institution

1.1 Name of the Institution

NITTE UNIVERSITY

1.2 Address Line 1

University Enclave

Address Line 2

Medical Sciences Complex,
Deralakatte

City/Town

Mangalore

State

Karnataka

Pin Code

575018

Institution e-mail address

nitteuniversity@nitte.edu.in

Contact Nos.

0824-2204300/01/02/03

Name of the Head of the Institution:

Prof.(Dr.) S. Ramananda Shetty

Tel. No. with STD Code:

08242204404

Mobile:

+919008794195

Name of the IQAC Co-ordinator:

Mobile:

IQAC e-mail address:

1.3 NAAC Track ID (For ex. MHC0GN 18879)

OR

1.4 NAAC Executive Committee No. & Date:
(For Example EC/32/A&A/143 dated 3-5-2004.
This EC no. is available in the right corner- bottom
of your institution's Accreditation Certificate)

1.5 Website address:

Web-link of the AQAR:

For ex. <http://www.ladykeanecollege.edu.in/AQAR2012-13.doc>

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	A	3.11	2013	5 years
2	2 nd Cycle				
3	3 rd Cycle				
4	4 th Cycle				

1.7 Date of Establishment of IQAC : DD/MM/YYYY

1.8 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC ((for example AQAR 2010-11 submitted to NAAC on 12-10-2011)

- i. AQAR 2013-14 submitted on 06./11/2014
- ii. AQAR 2014-15 submitted on 07/11/2015
- iii. AQAR 2015-16 submitted on 04/11/2016
- iv. AQAR 2016-17 submitted on 09/11/2017

1.9 Institutional Status

University State Central Deemed Private

Affiliated College Yes No

Constituent College Yes No

Autonomous college of UGC Yes No

Regulatory Agency approved Institution Yes No

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education Men Women

Urban Rural Tribal

Financial Status Grant-in-aid UGC 2(f) UGC 12B

Grant-in-aid + Self Financing Totally Self-financing

1.10 Type of Faculty/Programme

Arts Science Commerce Law PEI (Phys Edu)

TEI (Edu) Engineering Health Science Management

Others (Specify)

1.11 Name of the Affiliating University (for the Colleges)

1.12 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University

University with Potential for Excellence

UGC-CPE

DST Star Scheme

UGC-CE

UGC-Special Assistance Programme DST-FIST

UGC-Innovative PG programmes Any other (*Specify*)

UGC-COP Programmes

2. IQAC Composition and Activities

2.1 No. of Teachers

2.2 No. of Administrative/Technical staff

2.3 No. of students

2.4 No. of Management representatives

2.5 No. of Alumni

2.6 No. of any other stakeholder and community representatives

2.7 No. of Employers/ Industrialists

2.8 No. of other External Experts

2.9 Total No. of members

2.10 No. of IQAC meetings held

2.11 No. of meetings with various stakeholders: Faculty students

Non-Teaching Staff Students Alumni Others

2.12 Has IQAC received any funding from UGC during the year? Yes No

If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos. International National State Institution Level

- (ii) Themes
- | |
|--|
| <ol style="list-style-type: none"> 1. Responsible and Ethical practice in Research 2. Environmental Concerns 3. Academia-to-Industry 4. Sustaining and Enhancing Quality in Higher Educational Institution |
|--|

2.14 Significant Activities and contributions made by IQAC

- | |
|---|
| <ol style="list-style-type: none"> 1. Started value added courses 2. Identifying areas for quality improvement 3. Liaising between various committee and coordinating efforts to enhance quality in all domains of functioning of institutions 4. Auditing of processes conducted 5. Community service Programs strengthened 6. Initiation of environmental friendly measures like STP, Solar Heaters etc. 7. Introduction of digital learning system in medical college 8. Digitalization of Library Services 9. Conducted seminars/conferences/workshops on quality related issues |
|---|

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year

No.	Plan of Action	Achievements
1.	Semester scheme in B.Pharm	Introduced
2.	Courses in Yoga therapy in BPT	Introduced
3.	Speciality Clinics in Dentistry	TMJ and Forensic Odontology Unit
4.	New Rural Centres	Two rural centres have been started

2.15 Whether the AQAR was placed in statutory body Yes No

Management Syndicate Any other body

Provide the details of the action taken

- | |
|---|
| <ol style="list-style-type: none"> 1. Skill Lab Upgradation 2. ICT Enabled Teaching & Learning 3. Software for Diagnostic Research 4. Student exchange program with university of Santo Thomas, Philippines 5. OSCE for MPT students |
|---|

Part – B

Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	5	0	5	0
PG	37	1	38	0
UG	12	0	12	0
PG Diploma	0	0	0	0
Advanced Diploma	0	0	0	0
Diploma	1	0	1	0
Certificate	3	0	3	3
Others	3	2	5	0
Total	61	3	64	3
Interdisciplinary	5	0	5	2
Innovative	1	0	1	1

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	10
Trimester	0
Annual	43

1.3 Feedback from stakeholders* Alumni Parents Employers Students
(On all aspects)

Mode of feedback : Online Manual Co-operating schools (for PEI)

**Please provide an analysis of the feedback in the Annexure*

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

- | |
|---|
| <ol style="list-style-type: none"> 1. Minimum of 35% marks together in theory and practical in IA for BDS 2. Semester System for B.Pharm introduced 3. Yoga Therapy included as a mandatory university exam going subject for II BPT |
|---|

1.5 Any new Department/Centre introduced during the year. If yes, give details.

- TMJ Clinic
- Forensic Odontology Unit
- Advanced Research Centre for Pharmaceutical Sciences
- 02 Rural Centres started

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty	Total	Asst. Professors	Associate Professors	Professors	Others
	539	169	83	130	157

2.2 No. of permanent faculty with Ph.D.

73

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
30	4	4	1	5	0	25	0	64	5

2.4 No. of Guest and Visiting faculty and Temporary faculty

14

13

0

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	67	167	672
Presented papers	29	82	63
Resource Persons	06	25	70

2.6 Innovative processes adopted by the institution in Teaching and Learning:

1. Skill Lab based training for Junior doctors and MBBS students
2. Community based clinical exposure for MBBS and BDS students
3. Online learning management system

2.7 Total No. of actual teaching days during this academic year

290

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

- | |
|---|
| <ol style="list-style-type: none"> Centrally administered Annual Internal Assessment with common calendar for PG students Juries and seminar presentations in Theory of design and Studio Additional External viva for structures along with written examination Online answer script evaluation system introduced for PG courses |
|---|

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

35	38	27
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2.10 Average percentage of attendance of students

85%

2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
MBBS	118	1	17	66	-	84
MD/MS	85	1	97	-	-	98
B.Sc (A&OTT)	20	10	20	45	20	95
B.Sc (MIT)	15	7	20	40	13	80
MPH	08	63	37	-	-	100
BDS	79	6	73	17	1	97
MDS	47	-	96	-	-	95.83
B.Pharm	100	79	19	-	-	98
M.Pharm	21	82	14	-	4	100
B.Sc (Nursing)	93	4	57	35	1	97
M.Sc(Nursing)	9	22	78	-	2	100
PBB.Sc (Nursing)	12	92	8	-	-	100
BPT	24	13	58	12	-	83
MPT	5	-	40	60	-	100
B.Sc (Biomedical Sciences)	9	67	11	22	-	100
M.Sc (Biomedical Sciences)	8	100	-	-	-	100
B.A (JMC)	10	50	50	-	-	100
M.A (JMC)	5	100	-	-	-	100

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes :

- Planning the academic and other activities for the year and monitoring their implementation
- Preparation of Academic Calendar for institutions
- Evaluation of teachers performance on the basis of student feedback and result
- Analysis of research output, paper publication, funded project by the faculty
- Analysis of Academic performances

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	224
UGC – Faculty Improvement Programme	5
HRD programmes	1
Orientation programmes	11
Faculty exchange programme	7
Staff training conducted by the university	101
Staff training conducted by other institutions	51
Summer / Winter schools, Workshops, etc.	350
Others	393

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	281	0	37	20
Technical Staff	761	0	168	45

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

1. Short Course on Research Designs and Protocol Writing for First year PGs
2. Liaising with Institution Research Committee to inform and educate faculty students about opportunities available for research
3. Plagiarism check for articles before submission to journals
4. Lectures on improving the quality of research publications

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	10	53	5	15
Outlay in Rs. Lakhs	91.72	1034.79	154.38	296.39

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	58	53	05	15
Outlay in Rs. Lakhs	30.91	18.42	4.38	0.77

3.4 Details on research publications

	International	National	Others
Peer Review Journals	188	244	0
Non-Peer Review Journals	6	13	1
e-Journals	1	0	0
Conference proceedings	15	36	60

3.5 Details on Impact factor of publications:

Range Average h-index Nos. in SCOPUS

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant Sanctioned (in lakhs)	Received (in lakhs)
Major projects	1/3/4 years	BRNS, ICMR, DHR, DBT, DST, SIDA, SERB, NAS	456.6	93
Minor Projects	2/3	IDA/ICMR	4.44	4.34
Interdisciplinary Projects	1	Nitte University	22.63	15.09
Industry sponsored	0	0	0	0
Projects sponsored by the University/ College	6 Months/ 1/3 year	Nitte University	18.44	6.95
Students research projects <i>(other than compulsory by the University)</i>	1 year	ICMR, Nitte University	3.26	2.21
Any other(Specify)	0	0	0	0
Total			505.3	121.59

3.7 No. of books published i) With ISBN No. Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP CAS DST-FIST
DPE DBT Scheme/funds

3.9 For colleges Autonomy CPE DBT Star Scheme

INSPIRE CE Any Other (specify)

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	02	11	05	00	05
Sponsoring agencies	Nitte University	MCI, ICMR, NU	NU	--	Self funded

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations International National Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs :

From Funding agency From Management of University/College
 Total

3.16 No. of patents received this year

Type of Patent	Number	
National	Applied	2
	Granted	0
International	Applied	0
	Granted	0
Commercialised	Applied	1
	Granted	0

3.17 No. of research awards/ recognitions received by faculty and research fellows Of the institute in the year

Total	International	National	State	University	Dist	College
45	8	28	9	0	0	0

3.18 No. of faculty from the Institution who are Ph. D. Guides
 and students registered under them

3.19 No. of Ph.D. awarded by faculty from the Institution

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF SRF Project Fellows Any other

3.21 No. of students Participated in NSS events:

University level State level
 National level International level

3.22 No. of students participated in NCC events: University level State level
National level International level

3.23 No. of Awards won in NSS: University level State level
National level International level

3.24 No. of Awards won in NCC: University level State level
National level International level

3.25 No. of Extension activities organized

University forum College forum
NCC NSS Any other

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

1. CPR Training for non-medical students
2. Geriatric Health care at Orphanage
3. Participation in Swachh Bharath Program
4. Mass Health Education Programs
5. Environmental Awareness programs
6. Talks on citizenship and civil rights and duties
7. Commemoration of 'National and World Health Days in the Institution and Community
8. Health Card – Health cards for BPL population

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	50.22	0	Nitte University	50.22
Class rooms	58	0		58
Laboratories	59	14		73
Seminar Halls	30	3		33
No. of important equipments purchased (≥ 1-0 lakh) during the current year.	1410	36		1446
Value of the equipment purchased during the year (Rs. in Lakhs)	6346.47	339.88		6686.35
Others(Herbal Garden)	2	4		6

4.2 Computerization of administration and library

1. Software for Alumni interaction and networking
2. Introduction of bibliography management tool
3. Software for handling cash, accounts, hostel management; biometric software for faculty and PG students attendance, software for processing results and marks statement
4. Online Feedback forms for Student feedback on teachers
5. Introduction of examination management system

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	33135	191.60	1415	12.59	34550	204.19
Reference Books	7748	275.95	1217	5.39	8965	281.34
e-Books	7744	0	4956	0	12700	0
Journals	3060	357.70	400	2.17	3460	359.87
e-Journals	7500	19.24	1347	0.81	8847	20.05
Digital Database	4314	32.64	761	7.24	5075	39.88
CD & Video	1788	0	111	0	1899	0
Others (specify)	451	0.74	17	0.24	468	0.98

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	630	47	134	81	20	45	257	126
Added	46	0	7	1	3	5	12	41
Total	676	47	141	82	23	50	269	167

4.5 Computer, Internet access, training to teachers and students and any other programme for technology up gradation (Networking, e-Governance etc.)

1. Training for office assistants in use of technology for administration and medical records
2. Software for T & L process
3. Training for teachers, postgraduates, Ph.D Guides and Ph.D Scholars
4. An online scientific data base to record, store and retrieve faculty research, publications, paper presentations.

4.6 Amount spent on maintenance in lakhs :

i) ICT	33.24
ii) Campus Infrastructure and facilities	75.68
iii) Equipments	56.90
iv) Others	59.07
Total :	224.89

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- Inclusion of details of the Teacher-Guardian scheme(mentorship) program in the student handbooks
- Faculty nominated as student counsellors at institutional level
- PTA Meetings at Institutional level
- Inclusion of student members in IQAC committee
- Policy on ‘substance abuse’

5.2 Efforts made by the institution for tracking the progression

- Student mentoring scheme were the senior students mentor the juniors with training of theory and clinical skills. (“Abhyudaya”)

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
2763	743	117	8

(b) No. of students outside the state

2077

(c) No. of international students

84

Men	No	%	Women	No	%
	1235	34		2396	66

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
1947	25	23	1245	0	3240	2022	44	30	1535	0	3631

Demand ratio

Dropout %

1%

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

1. Coaching for GPAT examinations.
2. Coaching classes for soft skill development
3. Placement and career guidance cells conducts regular programs to plan their future career and prepare them to appear for competitive exams

No. of students beneficiaries

146

5.5 No. of students qualified in these examinations

NET SET/SLET GATE CAT
IAS/IPS etc State PSC UPSC Others

5.6 Details of student counselling and career guidance

1. Career guidance lectures by the invited speakers from industry and academia
2. Sensitization talk on short to medium term career options
3. Teacher-Guardian scheme - Faculty-Mentors assist students in academic and related issues on an ongoing basis
4. Skill development workshops with the help of experts

No. of students benefitted

645

5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
5	257	148	22

5.8 Details of gender sensitization programmes

1. Committees against sexual Harassment at University and institutional levels formed
2. Women's forum organizes regular programs for the benefit of faculty and students.
3. Awareness of LGBT rights

5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports : State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	562	219.38
Financial support from government	268	54.16
Financial support from other sources	0	0
Number of students who received International/ National recognitions	7	4.35

5.11 Student organised / initiatives

Fairs : State/ University level National level International level

Exhibition: State/ University level National level International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed:

1. Better Hostel room facilities : New Hostel block built
2. Inadequate sports facility : new ground inaugurated
3. Gym facility not adequate: Gym relocated in more spacious floor area with new equipments
4. Better Mess facilities : New cooking facilities provided

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

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

Mission: To develop the Institution as a centre of excellence, imparting quality education, generating competent, skilled and humane manpower to face the scientific, technological, managerial and social challenges in the fast-evolving global scenario, with high degree of credibility, integrity, ethical standards and social concern

6.2 Does the Institution has a management Information System

1. Patient management system
2. Student monitoring system
3. Faculty representation in University Bodies
4. Staff attendance monitoring through biometric system

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

1. Exit feedback from interns and PGs
2. Structured PG Log Book
3. Review of the syllabus by BoS and updating the syllabus.
4. Inclusion of Yoga as a subject in BPT course
5. Seminar conducted by having moderator

6.3.2 Teaching and Learning

1. ICT based T & L Process
2. Special lectures by invited teachers from other institutions
3. Video-assisted learning, Symptom analysis, PBL, OSPE/OSCE
4. Training for faculty in Basic Medical Education Technology in in-house MCI monitored workshops as well as workshops at MCI's Regional Training centres

6.3.3 Examination and Evaluation

1. Online evaluation of answer scripts
2. Remedial Coaching
3. OSPE introduced at PG level
4. Internship Assessment through OSPE

6.3.4 Research and Development

1. Short course on Research Designs and Protocol Writing for PGs
2. Incentives for staff obtaining funding from external agencies for research.
3. Research committees at institutional level to screen and evaluate PG dissertations
4. Talks by and discussions with Experts and Scientists

6.3.5 Library, ICT and physical infrastructure / instrumentation

1. Software for 3D diagnosis and treatment plan
2. Computerized library management
3. Additional academic block for extension of clinical and lab facilities
4. Computer program to generate the IF,H-Index, Citation Index of publications
5. New Hostel Blocks
6. New Play Ground

6.3.6 Human Resource Management

1. Additional Professor cadre created as a career advancement Opportunity
2. Additional staff/faculty appointed for clinical work
3. Performance based promotions introduced

6.3.7 Faculty and Staff recruitment

1. Faculty recruitment over and above requirements for teaching and research
2. Training on teaching methodology for faculty.
3. Subsidy for purchase of Laptops for faculty

6.3.8 Industry Interaction / Collaboration

1. Interaction with Industry for Placement and training
2. Consultancy to Industries provided on contract basis

6.3.9 Admission of Students

1. Merit Scholarships to attract students
2. Fee fixation committee with retired High Court Judge as Chairman and external member.
3. Admission for PG and UG Medical and Dental courses through NEET

6.4 Welfare schemes for

Teaching	Accommodation, free transport facility, fee concession. Deputation of staff for conferences and workshop PF, Gratuity, insurance, Medical facilities, transportation and children education support
Non teaching	Accommodation, free transport facility, fee concession.
Students	Free transportation, fee concession, subsidized hospital services. Incentive for presentations Scholarship for economically poor students.

6.5 Total corpus fund generated

Rs. 656 crores

6.6 Whether annual financial audit has been done

Yes

No

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	MCI, DCI, NBA and INC	Yes	Expert Committee constituted by the University
Administrative			Yes	Internal Audit Department of the University

6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes Yes No

For PG Programmes Yes No

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

1. Online Paper evaluation
2. Online result announcement and uploading of marks

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

Not applicable since the University is a Deemed University

6.11 Activities and support from the Alumni Association

1. Software for Alumni interaction and networking
2. Annual Endowment Lecture
3. Guest lectures on Career Guidance
4. Participation as Resource Persons

6.12 Activities and support from the Parent – Teacher Association

1. Participation by parents in institutional activities
2. Parents nominated as members to the IQAC
3. Periodical communication between teachers and parents on progress of ward

6.13 Development programmes for support staff

1. Training Programs on office management, use of computers, family life, interpersonal relations

6.14 Initiatives taken by the institution to make the campus eco-friendly

1. Participation in Swacch Bharat Abhiyan
2. Environmental awareness programmes through NSS
3. Green cover in the campus with afforestation initiatives
4. Centralized waste disposable system
5. Rain water harvesting

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

1. Online evaluation of answer scripts
2. Online results announcement and uploading marks
3. Course on protocol writing for PG research studies

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

1. Introduction of MCh in Urology
2. Inauguration of New Hostel Blocks
3. Additional Play Ground and other facilities
4. Training for faculty in the use of E-learning resources

7.3 Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)

1. Health – Care for economically and socially deprived tribal communities
2. Technology assisted teaching –learning process

7.4 Contribution to environmental awareness / protection

1. Swacch Bharath Abhiyaan conducted and being continued
2. Use of solar power in hostels
3. NSS camps and blood donation camps.
4. Tobacco/cigarette free campus
5. Campus cleaning drive
6. Environmental studies introduced as a compulsory subject
7. Tree plantation in the campus
8. Talks and discussions on environment issues

7.5 Whether environmental audit was conducted?

Yes

No

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

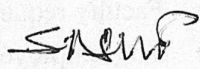
Strengths	Weaknesses	Opportunities	Challenges
<ol style="list-style-type: none"> 1. Strong community health services 2. Committed faculty actively involved in teaching-learning process 3. State of the art facility for better patient management. 	<ol style="list-style-type: none"> 1. Limited success in garnering external funding for research 2. Inter-disciplinary research projects to be explored more. 3. Providing outdoor sports and recreational facilities 	<ol style="list-style-type: none"> 1. Expansion into super speciality courses and fellowships training 2. To collaborate nationally and internationally with reputed institutions for research and exchange programme. 3. Introducing skill-based courses/ programs 	<ol style="list-style-type: none"> 1. Decreasing admissions to certain PG courses 2. Starting more medical super speciality courses 3. Introducing computer assisted teaching for all courses.

8. Plans of institution for next year

1. Introduction of certificate courses for skill development
2. Introduction of OSCE for formative assessment
3. Introduction of PG courses in MLT, MIT, A&OTT courses
4. Development of SOP for emergency and casualty management
5. To start fellowship program in Oral Implantology

Dr. Rajshekar M.
Coordinator, IQAC

Signature of the Coordinator, IQAC


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FEED BACK

1. Students Feedback

It is taken at the end of the academic year. Students are asked to give their feedback on course curriculum, support system, hostels etc.

The feedback is as follows:

- With the introduction of online learning management system, students are better equipped for learning
- The students are satisfied with hostel facilities with the introduction of centralized kitchen for mess and building new hostel blocks.
- The students have requested for better facilities in the hostel with more single occupancy rooms: new blocks have been made with single occupancy room
- Outdoor sports facilities with new improved play courts /grounds have been developed
- Requirement of Wi-Fi in the campus: installation of the facility completed

2. Employee Feedback

At the end of the Academic year the feedback is taken on general administration, transparency, infrastructure facilities, library, syllabus and support for research, pay scale and staff facilities.

- Canteen facilities improved in the campus
- Faculty feel that the Postgraduates of all courses should be trained in research methodology and pedagogy compulsorily.
- Faculty requested for training workshop in preparing outcome based curriculum
- The employees feel that there is good working environment and sufficient autonomy is given

3. Parents Feedback

The feedback from the parents is taken on the monitoring system, facilities, hostels etc., during the PTA meetings.

- Parents are happy with the admission process
- Security and boarding facilities are reviewed and strengthened
- Transport facilities for students is better with introduction of buses to newer areas in the city.

Best Practice #1

Title: Health-care for economically and socially deprived tribal communities

Objective:

To provide health-care facilities for school children of the marginalised tribal communities in the local area

Context:

The tribal communities are still the disadvantaged sections of the society. They have no access to many facilities specially provided to these sections. The University would like participate in the 'Health for all' scheme of the government. This is also part of the vision and mission of the University.

The Practice:

The university has chosen one of the schools exclusively meant for a tribal community. The total student strength is around 100 in the age group of 7 to 13 years and almost all of them are first generation learners and are from very low income group. The awareness and care The University has designed a scheme for general health including personal and dental hygiene, and nutrition. The students along with faculty members visit the school every quarter and conduct check-up and follow-up. This a joint program by the medical, dental and the nursing institutions of the University. The medical college students screen them for general health ailments, the dental college students conduct dental treatment camps and the nursing college students give talks on personal hygiene and nutrition. The parents for the children are made to attend the health talks. These activities are done periodically with follow-up.

Evidence of Success:

The children of the school are more regular in attending the school. The loss of attendance due to health and related problems have reduce. There is a better learning environment due to this.

Difficulties Encountered:

When the program was introduced, there was a perceived fear among the parents about the expenses for the treatment and for maintaining hygiene. All expenses were met by the University. The parents also thought that they had to spend greater time for the care of their children and this would deny them from attending their work and thus would affect their livelihood. The faculty had to make an effort in this regard and so they had to counsel the parents and even visit the homes to convince them.

Resources Required:

Resources included funds for investigative and treatment need. Materials for making charts and models for health talks and demonstrations.

Best Practice 2

Technology assisted teaching - learning Process

Need and context:

Conventional classroom teaching-learning tends to be passive, teacher-centric and limited by time constraints. Computer and internet based technological developments offer opportunities to enrich the learning activities of students. The Medical School at Nitte University has undertaken a phased project to introduce the use of technology in improving effectiveness of teaching-learning.

Objectives of the practice:

To introduce the use of technology to develop e-learning and contemporary training methods for medical students

The Practice:

- **NU-eLearn, a comprehensive learning management system (LMS)** based on the Sakai platform has been deployed. Sakai is an internationally renowned LMS platform. This online portal facilitates the hosting of course websites for students by the teaching departments. The course websites provide tools for communication and interaction between students and faculty, developing and providing online learning content, discussion forums etc. This e-learning resource is currently being used by the Pre-Clinical and Para-Clinical departments and will be extended to other departments. This initiative creates “anytime, anywhere” learning opportunities for students.
- **CONNECT, a cloud based digital teaching-learning system** was offered. These online resource was based on textbooks published by McGraw Hill Education. Major features of this e-learning resource include
 - Access to interactive Smart e-Books
 - Adaptive learning modules (Learn Smart), interactive exercises and assessments for self-directed learning
 - Rich multimedia resources for Anatomy (APR), Interactive Lab Simulations in Physiology (Ph.I.L.S) and other multimedia content for use in teaching
 - Facilities to create homework assignments and online tests and track student learning and performance leading to identification of “at risk students”
- A **Digital Physiology Laboratory** for undergraduate Physiology students has been established. This is possibly a first of its kind fully functional computerized Human Physiology Teaching Lab in India. The lab has six workstations with digital data acquisition systems, transducers and accessories for performing a range of physiological experiments and tests. Customized laboratory instruction material for the lab is being developed in house. Laboratory practicals which are performed on obsolete equipment in other medical schools are being performed here using contemporary digital instruments. This offers current and relevant training exposure to students.

- A full-fledged **Clinical Skills Laboratory** has been established. It is equipped with manikins, models and simulators for hands-on training in skill intensive medical procedures including injection, catheterization, suturing, intubation, laparoscopic procedures, obstetric manoeuvres as well as basic and advanced life support skills. This lab allows students to practice medical and surgical procedures repeatedly in a safe environment in preparation for real clinical encounters.
- **Wi-fi network based internet access for entire campus** – The entire campus including college blocks, hospital blocks and student hostels have been networked through a Wireless Local Area network through which all students and faculty have broadband internet access. This enables the deployment and delivery of the e-learning resources described above. It also enables faculty and student researchers to access internet resources including

Evaluation of Technology assisted teaching - learning

- A medical education research project titled " Effectiveness of a blended learning intervention for training first year medical students in basic clinical examination skills – an experimental study" was conducted to assess effectiveness of NUeLearn hosted e-Learning modules for training in Clinical Physiology. The group of students who received access to the specifically developed e-learning resources in addition to routine training (BL, Blended Learning Group) for training in clinical examination skills showed evidence of better learning compared to a matched group of students who received conventional training alone. The BL group scored significantly higher in the skills (88% versus 85%, $p = 0.008$), knowledge (71% versus 60% , $p = 0.037$) as well as total scores (79% versus 72%, $p = 0.006$) of the OSPE test that was used to assess learning outcomes in the study. A majority of students (78%) rated the e-learning module as useful..
- In response to formal feedback sought on the CONNECT platform, 85% of students opined that the e-learning resources helped prepare for the Internal Assessment Tests in Physiology and recommended that such resources be continued for future students. In case of the CONNECT resources for Anatomy, 91% of students felt that the e-learning resources helped prepare for the Internal Assessment Tests and 89% recommended that such resources be continued for future students.

Impact

All students and faculty have access to free broadband internet on campus

- There are approximately 1000 student and faculty users registered on the NUeLearn LMS which offers course websites with learning resources.
- Large number of students and faculty actively used the CONNECT online resources platform
- Student feedback about the utility of e-learning resources available through NUeLearn and CONNECT resources is positive
- Student engagement and participation in laboratory practical's is higher after introduction of digital Labs
