



Yearly Status Report - 2019-2020

Part A

Data of the Institution

Part A	
Data of the Institution	
1. Name of the Institution	Yenepoya (Deemed to be University)
Name of the head of the Institution	Dr M. Vijayakumar
Designation	Vice Chancellor
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	08242206000
Mobile no.	9686696055
Registered Email	vicechancellor@yenepoya.edu.in
Alternate Email	registrar@yenepoya.edu.in
Address	University Road, Nithyananda Nagar Deralakatte
City/Town	Mangalore
State/UT	Karnataka
Pincode	575018

2. Institutional Status	
University	Deemed
Type of Institution	Co-education
Location	Rural
Financial Status	Self financed
Name of the IQAC co-ordinator/Director	Dr Arun Bhagwath
Phone no/Alternate Phone no.	08242204668
Mobile no.	9980856605
Registered Email	iqac@yenepoya.edu.in
Alternate Email	quality@yenepoya.edu.in

3. Website Address	
Web-link of the AQAR: (Previous Academic Year)	https://www.yenepoya.edu.in/sites/yenepoya.edu.in/files/inline-files/AQAR-%202018-19_.pdf
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.yenepoya.edu.in/sites/yenepoya.edu.in/files/inline-files/Acdemic%20calendar%202019-20_0.pdf

5. Accrediation Details					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	A	3.14	2015	16-Nov-2015	15-Nov-2020

6. Date of Establishment of IQAC	09-Aug-2010
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7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by	Date & Duration	Number of participants/ beneficiaries

IQAC		
Webinar on Increasing citations: What to do both pre- publication and post-publication? By Dr. Subhashree Nag, Clarivate Analytics, Bangalore jointly organized by IQAC and Central Library.	10-Jun-2020 1	135
Web of Science -Advanced Users Training for Faculty and Research Scholar by Dr.Subhashree Nag, Clarivate Analytics, Bangalore jointly organized by IQAC and Central Library.	03-Jun-2020 1	102
Using Citation Analysis to Develop a Research Vision for Faculty and Research Scholar by Dr. Subhashree Nag, Clarivate Analytics, Bangalore jointly organized by IQAC and Central Library.	26-May-2020 1	95
Workshop on Administrative Reforms and Governance in Higher Education Institutions for non-teaching staffs of Yenepoya (Deemed to be University) at EMD Auditorium, 8th Floor, Yenepoya Medical College and Hospital on 08th August 2019.	08-Aug-2019 1	161
Training workshop on Publications Integrity avoiding Predatory Journals	30-Jul-2019 2	169
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8. 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
Yenepoya (Deemed to be University)	Social Innovation programme for Products: Affordable Relevant to Societal	BIRAC -DBT, Govt. of India (BIRAC), -DBT, Govt. of India	2019 730	20000000

	Health. (SPARSH) Center in Hospital centric incubator ecosystem			
Yenepoya (Deemed to be University)	Establishment of MedTech Design and Rapid Prototyping Facility under National Biopharma Mission	BIRAC -DBT, Govt. of India (BIRAC), -DBT, Govt. of India	2019 1095	45785000
Centre for Nutrition Studies, Yenepoya (Deemed to be University)	Research and capacity building in nutrition programme through technical documentation on analysis of malnutrition status of adolescents.	UNICEF	2019 147	727000
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9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	2
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No

12. Significant contributions made by IQAC during the current year(maximum five bullets)
? Implementation of Outcome Based Education ? Establishment of Centre for International Relations, Centre for Yoga and Wellness, Centre for Publication, Research and Integrity (PRIDE) ? Constitution of College and Criterion wise Coordinators, Constitution of College wise Internal Quality Assurance Units

(IQAU) ? Participation in various Ranking Process and accreditation. ?
Preparation for Academic and Administrative Audit (AAA).

No Files Uploaded !!!

13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
International collaborations and exchange programs with relevance to academics, research and student exchange	Collaborations formalised Malawi High Commission Rwanda High Commission Association of Chartered Certified Accountants (ACCA) of Adelphi, 111 John Adam Street London, WC2N 6AU United Kingdom The Republic of Uganda Ghana India Trade Advisory Chamber Ghana and Government of Ghana Total 5 Five International students visited the campus under various programs Three students from The University of Queensland, Brisbane, Australia visited Yenepoya Dental College for Student Exchange Programme One from Iranian and another student from Maldives visited Yenepoya Medical College for Post Doctoral fellow and Fellowship in Urology
Improving consultancy through publishing the profile and credentials of the faculty	The website of the Yenepoya Research Centre is updated with the credentials of faculty. Further, the faculty profiles of the constituent units are also updated in their respective websites.
Guest lectures in emerging areas	The University has conducted 66 guest lectures on emerging areas
Addition of new infrastructure/units	Infrastruicture augmentation at School of Allied Health Sciences. Construction of Yenepoya Pharmacy College and Research Centre. Addition of Gymnasium facility in one of the hostels.
Best teacher award	Best Teacher Award for the teaching faculty.

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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Board of Management	16-Feb-2022

<p>15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?</p>	<p>No</p>
<p>16. Whether institutional data submitted to AISHE:</p>	<p>Yes</p>
<p>Year of Submission</p>	<p>2021</p>
<p>Date of Submission</p>	<p>05-May-2021</p>
<p>17. Does the Institution have Management Information System ?</p>	<p>Yes</p>
<p>If yes, give a brief description and a list of modules currently operational (maximum 500 words)</p>	<p>The University has efficient management information system (MIS) to facilitate all the operational activities as part of e-governance. The MIS provides support for academics, administration and patient care. The information communication department of the university provides all support for effective utilization of all the software. Following are the software currently operational in the University. Document Management Software is used to store, manage and track electronic documents and electronic images of paper-based information captured through a document scanner. Microsoft 365 is a comprehensive solution that contains the software, tools and services that allows students, teachers, departments and all other staff to work more effectively. AutoCAD is used by project managers to permit architectural designers to draw 3D objects. The data can be programmed to represent specific architectural products sold in the construction industry or extracted into a data file for pricing, materials estimation, and other values related to the objects represented. Hospital Information and Management System Completely digitally managed ERP to handle the operations of 4 hospitals in the University. All wards, OPDs, labs, pharmacies, stores and departments of the hospitals have been computerized. Darwin Box HR is an integrated modern HR platform for performing HR tasks. Tasks such as Leave application, attendance marking, Employee information, Help desk and Vibes can be</p>

performed. ETrack Lite is web based software with robust features to record working time and attendance process with shift management and device management. PACS system servers the digital radiology images and reports to Yenepoya Medical College Hospital patient care nodes. Student Information Management System (SMS) handles the student management right from the admission of a student to student pass out details, including attendance, examination results, financials, course details and the printing of marks cards and degree certificates. Saral TDS software is used for ereturn filing of TDS/TCS and Form 15G/15H Tally ERP 9 is accounting software that has been used for all financial transactions in the University. As it is multifunctional software, it includes inventory management, accounting, payroll preparation etc. ETrack Lite is web based software with robust features to record and monitor student learning hours. Zoom video Conferencing is an online secure, reliable video platform powers all communication needs, including meetings, chat, phone, webinars, and online events. Microsoft 365 is a cloudbased alternative to the desktop Microsoft Office. It is a comprehensive solution that contains the software, tools and services that allow students, teachers, departments and all other staff to work more effectively. Google Suite for Education features powerful and hasslefree email connectivity for faculties, staffs, and students. It is built on top of Google GMail services. Attendance updater Student attendance synchronization from the biometric device to student management Software. MyAcademic center accelerates the digital transformation process of educational institutions by providing comprehensive solutions to automate and streamline academic processes that can ensure efficiency. EPortfolio Digital PG/UG log book and academic record Maintenance Inpods OBE Management Outcome based education tracking and management software.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BCA	BCA01	Big Data Analytics and Cloud Computing	31/12/2019
MBBS	MED01	Medical	31/12/2019

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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BDS	Dental	10/07/2008	General Anatomy including Embryology and Histology : DP01DS-1C1	10/07/2008

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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
MCh	Surgical Oncology	31/12/2019

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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the University level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BCom	Commerce	01/06/2019
BBA	1. Aviation and Logistics 2. Aviation, Travel and Tourism	01/06/2019
BCom	1.Aviation and Logistics 2.International Accounting and Finance	01/06/2019
BSc	Forensic Science (Honours)	01/06/2019
BSc	B.Sc (Hospitality Science): Aviation, Travel and Tourism	01/06/2019
BCA	Big Data Analytics and Cloud Computing	01/06/2019
BSc	Bachelor of Public Health: Public Health	20/03/2019
BSc	Bachelor of Hospital Administration : Hospital	31/12/2019

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Certificate course on Jeevan Kaushal	01/06/2020	840
Forensic Nursing	20/04/2020	14
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BCom	Commerce	Nil
BPharm	Pharmacy	Nil
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution?
(maximum 500 words)

Feedback Obtained

• Feedback from all the stakeholders students, teachers, parents/professionals, employers and alumni is collected in a structured validated formats by online mode using YENGAGE, Learning management system of the University and electronic data capture tools. • The type of feedback, its timing and mode of collection from the respective stakeholder is depicted in the organogram. • Inputs obtained while interacting with invited resource persons, subject experts, changes adapted by the reputed institutions and reviewing research articles on latest trends in the subjects are also taken into consideration in formulating the syllabus revision. • The feedback collected is analyzed, deliberated and discussed in the respective departmental meetings. • Key points regarding the curricular changes regarding current updates, guidelines from regulatory bodies and stakeholders' feedback and are kept for discussion in the Board of studies (BoS) with the external experts from diverse backgrounds and necessary changes in the curriculum are suggested. Suggested alterations, modifications, deletions by the subject experts in BoS are listed out. • Subsequently, the Curriculum Committee scrutinizes and reviews the changes suggested recommend changes if required. Based on recommendations given by the respective BoS and Curriculum Committee, the action plan is prepared and implemented. Also, the impact of the actions taken on the stakeholders' feedback is discussed at various statutory bodies of the University which are discussed in the Board of Management.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BSc	Anaesthesia in OT Technology	20	1083	20
BSc	Renal Dialysis Technology	13	1083	13
BSc	Medical Imaging Technology	20	1083	20
BSc	Medical Laboratory Technology	20	1083	19
BSc	Perfusion Technology	10	1083	10

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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	4166	557	130	11	352

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
493	483	12	106	27	9

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

The student mentorship program at Yenepoya (Deemed to be University) is governed centrally and University has appointed a Chairman for effective implementation of the program. The allocations of the mentors are carried systematically by the office of the Chairman of mentorship program following the receipt of the list of new entrants and those finishing the program. The University has adopted a vertical mentoring (apart from the horizontal mentoring) wherein a mentee enrolled in a program is followed by the mentor from the entry point to exit. Accordingly, in this system of mentoring, the mentor shall have student inflow and outflow every year and it is a dynamic system as reflected in the logbook. Therefore, the mentor shall be allocated fresh mentor allotment letters every academic session following the orientation program conducted for new entrants. For mentee allotment, University has considered all the teaching staff and other recognized mentors to strengthen the mentoring program. The mentorship program at Yenepoya (Deemed to be University) is well organized and

forms two pronged approach. The mentoring includes Horizontal and Vertical component while the horizontal mentoring focus on academics, the vertical component concentrates on the non academic and professional mentoring. The horizontal mentoring happens in the department level and all learning associate problems are addressed. The slow performers are given special attention to overcome learning problems and advanced learners are provided with higher cognitive level tasks to supreme their credentials. The mentors are allotted to mentees and the mentors hold periodic interactions with them. Log books are maintained for each mentee to record the interaction. The mentors also interact with the parents / guardians of the students to update on the performances of their wards. The student welfare officers also support the mentoring process by providing assistance through counseling.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
4862	493	1:10

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
493	493	0	74	63

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Dr. Anurag Bhargava (International)	Professor	Stratergic Advisory group of experts member on in Vitro Diagnostic (SAGE IVD) - World Health organisation (WHO)
2019	Dr Sharan S Sargod (International)	Professor	International Distinguished Researcher in Dentistry - Idamas learning center, Malaysia, World Research Council
2019	Dr. Imran Pasha (National)	Associate Professor	Prize: Won the prize of Rupees One lakh in the nationwide "National University Film Making Competition" Theme: "Anti - Ragging" by University Grants Commission - Ministry of Human Resource Department
2019	Dr. Qudusia Sultana (National)	Assistant Professor	Advance course in medical

			education - CMC, Vellore
2019	Dr Madhavi Bhargava (National)	Assistant Professor	Appointed as member of Technical Advisory Group (TAG) - Technical Advisory Group (TAG) for MUKTI project conducted jointly by USAID, NHM-MP, Child Fund India and IPE Global Limited
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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
MPH	MP02PH	II Semester MPH October 2019 Session	30/10/2019	04/11/2019
MPH	MP02PH	I Semester MPH December 2019 Session	02/01/2020	07/01/2020
MPH	MP02PH	III Semester MPH June 2020	30/06/2020	04/07/2020
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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
0	3297	0

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<https://yenepoya.edu.in/university-facility/outcome-based-education>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
PBNUR 01	BSc Nursing	Post Basic BSc Nursing	20	20	100
AP02SW	MSW	MSW- Medical &	5	5	100

		Psychiatric Social Work			
AP02SW	MSW	MSW- Human Resource Management	3	3	100
MP02HA	MHA	MHA	5	5	100
MCH 06 UR	MCh	Urology	1	1	100
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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<https://yenepoya.edu.in/NAAC/2/2.7.1/sss.pdf>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
National	Dr. Jayachandran Venkateshan	Faculty attended-Teachers Associateship for Research Excellence, (TARE) Fellowship Award 2019, Three Months training at IISc, Bangalore	19/05/2020	Science and Engineering Research Board (SERB), New Delhi.
National	Dr.Veena K.M	Fellowship in Forensic Odontology - 2019	30/07/2019	S.D.M Dental Sciences and Hospital, Dharwad
National	Dr. Shilpa G K Bhat	Regional and Trauma Anesthesia Fellowship at Ganga Medical Centre and Hospitals Pvt. Ltd, Coimbotre from 1st July 2019 to 31st December 2019.	31/12/2019	Ganga Medical Centre and Hospitals Pvt. Ltd., Coimbotre.

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3.1.2 – Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other fellows in the Institution enrolled during the year

Name of Research fellowship	Duration of the fellowship	Funding Agency
Indian Council of	730	ICMR Project

Medical Research		
Indian Council of Medical Research	1095	ICMR Project
Department of Science and Technology (DST)-Science Engineering Research Board (SERB)	1095	DST-SERB Project
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3.2 – Resource Mobilization for Research

3.2.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	90	DBT-BIRAC	10	0
Major Projects	1095	DST-SYST	28.47	0
Major Projects	1095	ICMR	11.55	5.77
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3.3 – Innovation Ecosystem

3.3.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Workshop on Good Clinical Practices	Centre for Ethics	29/06/2020
Workshop on Insights into Research	Yenepoya Institute of Arts, Science, Commerce and Management	04/06/2020
Hands on Training - Research on Biological Samples: Practical Pearls in Ethics	Yenepoya Research Centre	29/03/2020
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3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Young Researcher Award	Dr. Rohith M	3rd International Award Conference on Research, Analyze, Communicate and Evaluate at Pramila Thackersey Committee Room, SNTD Womens University,	15/03/2020	Teacher

		Churchgate Campus, Mumbai		
RSC Advances Best Young Scientist Award	Ms. Sneha S Rao	RSC Advances at Third International Conference on Material Science, Tripura University, India	04/06/2020	Research Scholar
ERS Short- Term Research Fellowship Award for the Research Project Importance of induced sputum to assess the airway inflammation and role of mitochondrial uncoupling protein 2 (UCP2) in severe COPD and asthma	Ms. Sadiya Bi Shaikh	European Respiratory Society, University of Insubria, Italy	21/02/2020	Research Scholar
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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start- up	Date of Commencement
Incubation Facility	Yenepoya Foundation for Technology Incubation	Yenepoya (Deemed to be University)	Infygene Genomic Healthcare Pvt. Ltd.	Private Limited (OPC) (Healthcare -Genomics)	04/02/2020
-	-	-	Daarsh Innovation Pvt. Ltd.	Private Limited (Pha rmaceutical)	24/09/2019
-	-	-	Papersens Pvt. Ltd.	Private Limited (Dia gnostics)	05/07/2019
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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Anatomy	2
Biochemistry	1

Dermatology	1
Microbiology	5
Ophthalmology	1
Public Health Dentistry	1
OBG Nursing	1
Psychiatry Nursing	2
Yenepoya Research Centre	4

3.4.2 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
National	Periodontology	1	0
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3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Anatomy	1
Biochemistry	5
Community Medicine	11
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3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
Herbal composition and a process of preparation thereof	Published	201841047737	19/06/2020
A microfluidic device	Published	201841034005	13/03/2020
Shade tab and process for its preparation	Published	201841041983	08/05/2020
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3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Structural, optical, mechanical and dielectric properties of	Rajesh, K, Crasta, V, Kumar NR, Shetty G, Rekha PD.	Journal of Polymer Research	2019	45	Yenepoya (Deemed to be University)	45

titanium dioxide doped PVA/PVP nanocomposite						
Acute Lung Injury: IL-17A-Mediated Inflammatory Pathway and Its Regulation by Curcumin	Gouda MM, Bhandary YP	Inflammation	2019	32	Yenepoya (Deemed to be University)	31
Non-targeted metabolomics reveals distinct chemical compositions among different grades of Bai Mudan white tea	Yue W, Sun W, Rao RSP, Ye N, Yang, Z, Chen M.	Food Chemistry	2019	31	Yenepoya (Deemed to be University)	31
View File						

3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Structural, optical, mechanical and dielectric properties of titanium dioxide doped PVA/PVP nanocomposite	Rajesh, K, Crasta, V, Kumar NR, Shetty G, Rekha PD.	Journal of Polymer Research	2019	1	45	Yenepoya (Deemed to be University)
Acute Lung Injury: IL-17A-Mediated Inflammation	Gouda MM, Bhandary YP	Inflammation	2019	2	31	Yenepoya (Deemed to be University)

y Pathway and Its Regulation by Curcumin						
Non-targeted metabolomics reveals distinct chemical compositions among different grades of Bai Mudan white tea	Yue W, Sun W, Rao RSP, Ye N, Yang, Z, Chen M.	Food Chemistry	2019	3	31	Yenepoya (Deemed to be University)

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3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	75	297	191	136
Presented papers	23	40	18	3
Resource persons	14	36	26	29

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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultant(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Cardiology	Multi-Centre Cross-sectional epidemiological study to characterize the prevalence and distribution of lipoprotein(a) levels among patients with established cardiovascular disease.	Novartis Healthcare Private Limited, Mumbai, India. CRA-Dr.Neha srivastava Tel:9623667758	1.62
Dermatology	A randomized, Double blind, Multicenter study assessing short (16 weeks) and long term efficacy (up to 1 year), safety and tolerability of	Novartis Healthcare Private Limited, India. CRA- Ms. Namitha-7045147181 (Axis Clinicals Limited)	0.55

	2 subcutaneous Secukinumab dose regimens in adult patients with moderate to severe hidraenitis suppurativa (SU		
Dermatology	Itraconazole in the management of Superficial Fungal infection in India: A pilot study.	Johnson Johnson Private Limited, India. CRA-Ms. Sandhini-7752936139	0.27
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3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
Dr. Prakash Saldhna Yenepoya Medical College Hospital	Hospital Training	Indira Nursing College, Falnir, Mangalore. Phone: 91- 824-243-2444	0.32	12
Dr. Suprith Surya ASSEND Centre	Training Program- Laparoscopic surgery using large animal facility	Verwandein Institute, Palarivattom Kochi- 682 025 Email : verwandelninstitute@gmail.com Ph : 9497461401	2.36	11
Dr. Suprith Surya ASSEND Centre	Training Program- Laparoscopic surgery using large animal facility	Verwandein Institute, Palarivattom Kochi- 682 025 Email : verwandelninstitute@gmail.com Ph : 9497461401	0.88	8
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3.6 – Extension Activities

3.6.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Blood Donation Camp	Yenepoya School, Jappinamoger, Mangalore	1	1
Blood Donation Camp	Kallur education trust	1	1

Blood Donation Camp	Blood Help Care Karnataka®,	1	1
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3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
World AIDS Day-2020	Certificate of Excellence (Judge)	Karnataka State AIDS Prevention Society, Bangalore, Department of Health and Family Welfare, District AIDS Prevention and Control Unit, Dakshina Kannada Mangalore	Nil
Recognition of Frontline COVID workers at the COVID 16th Annual conference KRSSDI-2020	State level recognition as Frontline COVID warrior of Karnataka for exemplary work on COVID management	Research Society for the Study of Diabetes in India -Karnataka Chapter (KRSSDI)	Nil
Recognition of services during COVID pandemic and felicitation of exemplary alumnus at the 57th Annual Day of Hindi Vidya Bhavan Global Academy, Mumbai-DIGITAL METAMORPHOSIS	Recognition as Frontline COVID warrior of Karnataka	Hindi Vidya Bhavan Global Academy, Mumbai, Maharashtra	Nil
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3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Extension Activity	Yenepoya School, Jappinamoger, Mangalore	Blood Donation Camp	1	1
Extension Activity	Kallur education trust	Blood Donation Camp	1	1
Extension Activity	Blood Help Care Karnataka®,	Blood Donation Camp	1	1
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3.7 – Collaborations

3.7.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Joint Research and Publication, Student training	Dr. RC Koumar, Dr. Shruthi, Dr. B Irfan K, Dr. Nanda Kishore, Dr. Sudheer Shenoy, Mr. Utsav Sen, Mr. Saketh Kapoor, Dr. Bipasha Bose, Mariyam Shamnaz and others	Mutual	1825
Joint Research and Publications, Student training and facility usage	Dr. Bipasha Bose, Dr. Priyankar Paira, Dr. Sudheer Shenoy, Dr. N Roy, Mr. Utsav Sen, Dr. Moharana P, Dr. Babu LT, Ashaparna Mondal and others	Mutual	365
Research, Publications and Facility usage	Dr. T.S Keshava Prasad, Ms. Varshasnatha M, Dr. Yashwanth Subbannaya, Dr. Sneha Pinto, Dr. Shobha D, Ms. Ayishathil Bushra and others	Mutual	1095

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3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Publication	Collaboration for University Journal Archives of Medicine Health Sciences Publications	MedKnow Publications A-202, 2nd Floor The Qube, C.T.S. No.1498A/2 Village Marol, Andheri (East), Mumbai - 400059, Maharashtra, India Phone:	19/07/2019	30/06/2020	Editors and Editorial Board Members of Journal of AM & HS

		91-22-664918 18 / 66491816 (Earlier named as Wolters Kluwer India Pvt. Ltd, Punjab, India)			
Student Training	Student Research training	MES Mampad College (Aut onomous), Malappuram, Kerala Contact No.: 04931200387	15/01/2020	20/02/2020	Mrs. Shakkeeba C.K., Mrs. Amjatha Serin OPN., Ms. Athira K., Mrs. Ashika Farsana O.P.N., Mr. Anshad Shareef EK., Ms. Gayathri M.
Program and Internship	1. Internship program 2. Student Internship Training	The School of Social Work, Roshni Nilaya, Mangalore	18/07/2019	30/04/2020	Trainees: Dr. Vina Vaswani, Dr. Venkatakrish na Shenoy, Dr. K. Leena Pramod, Mr. Hashim, Dr. Muhammed Nasir Ahamed. Students: Vishnu Karthik, Suleman, Arunima, Alphonsa Thomas, Swathy Mohan, Evin Varghese, Mohammed Junaid
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3.7.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Curaden India Pvt Ltd, Bangalore	08/01/2020	Purpose Scientific Training	17

		and Services Activities Faculty/Student Training- Department of Periodontology conducted a joint research workshop on I -Top introductory on intra dental brushes and dental practices	
GSR Institute of Craniofacial Surgery, Hyderabad	07/01/2020	Purpose Research and Development Activities MOU signed and Dr. Ghosala Reddy appointed in YDC as Visiting Faculty	1
DBDA Solutions LLP, Bangalore (My Academic Career)	17/01/2020	Purpose Training and Scientific Services Activities Faculty Training services: Part I of roll out plan and Hands on training was conducted for the HoDs and PG guides. Online thesis submission platform for PG and PhD Students	70
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
284955000	314420000

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Newly Added
Laboratories	Newly Added
Seminar Halls	Newly Added
Classrooms with LCD facilities	Newly Added

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4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
Easylib	Fully	4.3.3	2010

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	25415	40246731	7056	5504187	32471	45750918
Reference Books	17220	3776710	1421	857813	18641	4634523
e-Books	0	0	1366	0	1366	0
Journals	379	17005978	211	2572000	590	19577978
Digital Database	3	13230986	7	2348000	10	15578986
CD & Video	2080	0	231	0	2311	0
Weeding (hard & soft)	0	0	0	0	0	0
Others(s pecify)	0	0	0	0	0	0

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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Ms. Melba Benazeera	Radio Talk: Breast feeding week 2019	Institutional LMS -Yengage	27/06/2019
Mrs. Shycil Mathew Mrs. Viji Prasad.C	Radio Talk: World Health Day special: Support Nurses Midwives	Institutional LMS -Yengage	07/04/2020
Dr.M.Vijayakumar	Triaging in cancer surgery	Institutional LMS -Yengage	27/06/2020
Dr.M.Vijayakumar	Robotics in Oncosurgery - an overview	Institutional LMS -Yengage	21/06/2020
Dr Sharan Sargod	Looking beyond teeth for management of malocclusion in children	Institutional LMS -Yengage	25/08/2019

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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	555	0	0	26	0	40	464	1	25
Added	196	80	0	0	0	10	106	0	0
Total	751	80	0	26	0	50	570	1	25

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

1.14 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
YEN MEDIA	http://yengage.yenepoya.edu.in/ilias.php?baseClass=ilLinkResourceHandlerGUI&ref_id=112431
YEN MEDIA	http://yengage.yenepoya.edu.in/ilias.php?baseClass=ilLinkResourceHandlerGUI&ref_id=112432
YEN MEDIA	http://yengage.yenepoya.edu.in/ilias.php?baseClass=ilLinkResourceHandlerGUI&ref_id=112440

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
12913.64	4873.21	2019.59	1905.29

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

Response The University has constituted committees, sub committees, procedures and policies for maintaining and utilizing the physical and academic support facilities, as per the Bye-laws of the University (Vol III-YU 315- YU 322- Building and works committee) and subsequent amendments for ease of operations, reviewing and task accomplishments (Eg. Building, Library, Sports, IT, safety committees, etc.). The Maintenance Department The University has established a maintenance department headed by the Maintenance Manager and supported by the work force. They abide by the policies and SOPs round the clock in shifts. The team looks after the regular maintenance of electrical, plumbing, civil works such as furniture repairs, masonry, painting, rest rooms, approach roads and ambience of the entire campus. The working condition of all the equipment in the campus is ensured through annual maintenance contracts (AMC)/Comprehensive maintenance contracts (CMC) after the expiry of the

warranty period. The STP, water purifiers and water coolers are managed by in-house personnel. The maintenance of the University estate property is executed through full complement of the workforce. The Laboratories are furnished and maintained as per the SOPs set in place according to statutory norms and equipped with resources for necessary procedures. The equipment are maintained by the biomedical engineering section for minor breakdown issues or from the company as per the AMC. Library maintenance: The Library committee meets twice a year and prepares the procedures and policies for administrative maintenance aspects of the library. The committee oversees the functioning of Library, documentation services, updating and maintenance of the books/journals. The infrastructure of the library is kept up by the maintenance department. The Sports/games facilities are under the supervision of Director, Physical Education and the supporting staff in the department of physical education are responsible for the maintenance of the equipment and other facilities to keep the sports activities uninterrupted as per the policies adopted by the department. Computers and Wi-Fi Facility IT department is headed by a Deputy Director supported by staff members who provide overall support for all the campus-wide computing systems, servers, networking and business/administrative software functions 24x7. IT systems and applications including CCTV cameras, hardware, software and telecommunication facilities are maintained by the IT department efficiently to minimize the downtime significantly. Classrooms General maintenance of the classrooms are by the maintenance staff and the ICT tools are by the IT department. The Bio Medical Engineering section has SOPs in place for maintaining of the medical and research equipment. The breakdown and preventive maintenance including equipment replacement is facilitated by the purchase department. Cleanliness of the Campus House-keeping section has adequate and dedicated staff for taking care of the cleanliness of the hospitals, units / centres and departments. Fire safety Strategic and operational maintenance plan for fire related equipment are ensured by the safety officer. Fire officer and team regularly conduct mock drills to ensure the safety of patients and facilities. Monitoring is done through log books/registers and periodic inspections.

<https://www.yenepoya.edu.in/sites/yenepoya.edu.in/files/inline-files/General%20Administration.pdf>

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Freeship, Fee Concession	184	21914700
Financial Support from Other Sources			
a) National	NSP, PMSS- Ex Service Welfare Scholarship, ICMR UG-PG, Prime Minister Scholarship for Central armed police forces, Central Sector Scheme for college University (SC,ST,OBC)	204	4404100

b)International	NIH Grant for Msc.Research Ethics, IDA Sponsorship	7	185000
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Jeevan Kaushal Short term Course (Leadership Skill, professional etiquette, human values, interview and resume writing skills)	01/06/2020	800	Yenepoya Institute of Arts, Science and Commerce in association with Center for Personality and Professional Development, Yenepoya (Deemed to be) University. Ph.No: 0824-2212382 E-mail: offyiascm@yenepoya.edu.in
Soft skills for Masters in Public Health	18/10/2019	20	Center for Personality and Professional Development, Yenepoya (Deemed to be) University. Ph.No: 91 8618235210 (Ms. Calida Royce) E-mail: devcentre@yenepoya.edu.in
Training on Planning and Leadership in Group	08/09/2019	8	Dr.Irene Veigas, Asst. Prof., Department of M.S.W., Yenepoya (Deemed to be) University. Ph.no: 0824-2206000
Training programme on 'Community Organization Skills'	08/08/2019	12	Mr. Jacob Varghese, Director, Adarsha NGO Moodbidre and Department of M.S.W., Yenepoya (Deemed to be) University. Ph.No: 08258237446.
Soft skill classes for MBBS students	06/08/2019	150	Center for Personality and Professional

Development,
Yenepoya (Deemed to
be) University.
Ph.No: 91
8618235210 (Ms.
Calida Royce) E-
mail: devcentre@yen
epoya.edu.in

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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2020	Revenue Management in Hospitality Industry	150	Nil	Nil	Nil
2020	DAMS (Delhi Academy of Medical Sciences) NEET PG Orientation	166	Nil	Nil	Nil
2020	Career Guidance Online Session on Opportunities in OMICS and Mass Spectrometry	Nil	7	Nil	Nil
2020	Orientation on Dental NEET PG counselling and seat allotment process	128	Nil	Nil	Nil
2020	Careed Guidance "Issues in partnership firms"	Nil	72	Nil	Nil

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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
26	26	12

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Yenepoya Medical College Hospital, Max Healthcare Institute, New Delhi, Yashodha Hospital Hyderabad, Manipal Hospital, Bengaluru, OG Healthcare	138	89	297	523	297

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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2020	1	PhD	Yenepoya Research Centre	Department of Neuro Science, Mayo Clinic 4500 San Pablo Road S Jacksonville Fl 32224 Amelia Hoffman, Mayo Clinic	Post Doctoral Research Fellow
2020	1	PhD	Yenepoya Research Centre	Wayne state University, Detroit, Michigan, USA	Post Doctoral Research Fellow
2020	1	MSc Microbiology	Yenepoya Medical College	Yenepoya Medical College	PhD

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5.2.3 – Students qualifying in state/ national/ international level examinations during the year
(eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
NET	4
GATE	1
Any Other	54

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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Inter Collegiate Football Tournament 2019-20.	University	160
8th Yenepoya Premier League 2020	University	225
Sports Can 2020	Institute	300
Densports 2020	Institute	400
Physiotherapy Premier League (DEBONAIRS 19 - PPL 2020)	Institute	90

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5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2020	Best Manager	National	Nil	1	18AC32	Mr. Syed Sibran
2019	National University film Making Award	National	Nil	10	3960,392 7,4798,696 9,3910,406 4,4870,398 5,4771,487 3	Ms Farheen Farook , Ms. Fathimath Shabana, Mr. George Justin ,Mr. Kiran S Shankar , Ms. Menu Mary Varghese, Mr. Mohammed Afsal P H , Mr. Muhammed Parvaize ,

						Mr. Muhammad Siraj, Mr. Nafil K Shams, Dr. Zulfaz
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Yenepoya (Deemed to be University) has constituted student council and also constituent unit-wise student councils. The members of these councils are nominated by the students based on their academic performance, aptitude for organizing co-curricular/extra-curricular activities and communication skills. The council has positions like President, Secretary, Treasurer and other office bearers. The Council members involve in promoting , extra-curricular activities such as sports, cultural, literary events, NSS, orientation programs and co-curricular activities viz., quiz competitions, health and hygiene camps at outreach areas, environmental awareness programs and anti-ragging and gender sensitization programs. Student Councils organize important National and International days/weeks of relevance. The students have received National Award by the UGC for the short film on Anti-ragging which is a testimonial of the student's involvement. Student Nurses Association (SNA): is under TNAI (Trained Nurses Association of India). This Association is a union of students headed by SNA President to facilitate all round development of students and accredit them to join TNAI. Kara Seva: This initiative undertakes screening and prevention of common diseases for students in Government Schools by delivering talks on menstrual hygiene, Good touch and bad touch covering 3326 students from 28 schools. This organization has adopted a Government rural primary school. The members are involved in managing the natural disasters in Kerala and Karnataka. Observation of Days: The student councils organize and participate in Sports and cultural activities, debate, quiz, Collage, Rangoli, model making, Pencil sketch competitions, Photography competitions, Mehandi competitions, Face painting, Elocution competition, Cooking without Fire competition, Flash mob and mime show, social events, medical art shows, seminars, and drawing competitions, during observations of Water Day, World Ozone Day, World Environmental Day, Forestry Day, Anti Tobacco Day, Earth Day, International Day of Social Justice, Mothers Day, International Day of Women and girls in science, Swachtha Pakwada, World Aids Day, World Immunization Day, World Physiotherapy Day, , World Patho Day, International Womens Day, Cons Endo Day, Oral Maxillofacial Surgeons Day, World Pharmacist Day, Vanamahosthava etc. The student councils organize adventure camp, self-protection training programs and Yoga and wellness camps. Students also participate in cultural and National Integration camp, Youth Red Cross and village adoption programs.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Yenepoya (Deemed to be University) Alumni Association (YUAA), Reg. No. DKM 5218 was founded in December 2010 and registered under the Karnataka Societies Act 1960, Karnataka, India. The primary mission of YUAA is to provide a platform for interaction with fellow alumni, participate in various institutional activities and academic projects. YUAA has 3 International chapters and alumni are spread across the globe have a very good opportunity to network amongst them as well as with the Alma mater. The office bearers are selected annually through a nomination process. Some of the Alumni initiatives and activities

are, • Yen to Aspire: It is a unique programme, where alumni of the constituent units engage in interactions pertaining to their specialities • This platform builds leadership qualities and provides guidance to career choices • Yen-lighten: Alumni are invited to deliver Guest Lectures to provide testimonies of their success • Reuni-Yen: Reunions are conducted to celebrate and cherish success of alumni • Guest lecture: YUAA conducts regular guest lecture from the reputed alumni • Website fund is earmarked to provide new modules into the website. The YUAA has a website www.alumni.yenepoya.edu.in and has both android and IOS APP. This is an interactive website allowing the alumni community to interact with both, the present generation of students and faculty • YUAA provides Book Bank facility for needy students • Special Interest Groups: Academics-based information is exchanged through alumni portal in these discussions • Scientific Research Project Fund: Student scholarship projects to support economically-weaker sections to realize their dream of higher education • Group Insurance Scheme: YUAA is offering an Insurance Scheme to cover the alumni. • RISE-Reach out in Support Education and Endowment: Dr. B. H. Sripathi Rao endowment fund was installed to honour his exceptional service to the dental college for over 25 years. • Sports Events: Alumni association conducts annual sports fests, training programs, lectures on professionalism and self defense training. Recently, the unique programme on Hair Donation to make wigs to the Cancer Survivors was organized • Alumni are involved in placement and training of students. The association also works with employment and placement cell • Alumni are also involved in giving feedback on the nature of training with Industry and Professional requirements.

5.4.2 – No. of registered Alumni:

800

5.4.3 – Alumni contribution during the year (in Rupees) :

525683.5

5.4.4 – Meetings/activities organized by Alumni Association :

Meetings: 10, Activities : 13

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

There are various committees existing in each constituent units, departments and centers to manage and address the academic and administrative systems and processes. These bodies meet regularly as per the schedule drawn and the proceedings of these meetings form the foundation for better accomplishments. The outcomes of the meetings also provide necessary inputs for the University to improve its functional domains. The purposeful autonomy granted through decentralization and participative management has resulted in perceptible, tenable and appreciable achievements independently by the constituent units, departments and centers. Example 1: Centre for Ethics is a unique and distinctive facility created by Yenepoya (Deemed to be University) keeping in mind the importance of ethics in healthcare professions education and practice. The centre established in 2008 has now transformed into a well-recognized centre with its internal organizational structure in place led by a Director at the helm of affairs. The Centre for Ethics has independently designed and implemented an innovative academic program that has thrust Yenepoya (Deemed to be University) on to the global map of bioethics education. It has signed MoU with institutions of repute towards achieving its objectives of education in ethics, research and culture. The Centre is imparting academic programs apart

from conducting regular workshops in ethics, mentorship programs, ethics internship, and professional ethics. The Centre offers a M.Sc. in Research Ethics, a two-year postgraduate program with an objective aiding to the national pool of research ethics expertise. Research Ethics Master's Program funded by the National Institute of Health (NIH-Fogarty), USA is first of its time program conducted in India. Based on its track record of successfully conducting programs on ethics, the centre has been receiving an educational grant to the tune of USD 2,85,000 per year for a period of five years (2017-2022), from National Institute of Health (NIH), Maryland, USA. This is a result of the autonomy vested upon this Centre to charter its effective functioning. Example 2 Yenepoya Dental College, one of the constituent units of Yenepoya Deemed to be University by virtue of the autonomy vested with the governance system has been advancing in its functioning and received accolades in recognition thereof. As an evidence for the college level autonomy and its outcome, Yenepoya Dental College ranked 20th in NIRF ranking in the year 2020. All these were the initiatives by the institution and departmental levels resulted out of decentralization.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Curriculum Development	Curricular diversification is the focus of the University to meet the diverse educational needs of the students and offers 83 programs at various levels. Curricula for these programs are designed and developed considering the competencies and skills to be acquired by the students. The curricula implemented follows competency/outcome-based educational framework with courses that offer skills, competency, entrepreneurship, employability and electives, addressing emerging cross-cutting issues. The program and course outcomes are in alignment with the learning objectives and regular monitoring of outcome attainments are done. CBCS is incorporated in the programs offered in addition to 32 value-added courses.
Teaching and Learning	Teaching and learning processes are supported by the Department of Information and Communication Technology (ICT). Learning practices are student centric methods (projects, case-based, experiential, interdisciplinary participatory learning and learning in community settings). Self-directed learning is supported through e-resources on the customized Learning Management System (YENGAGE) on ILIAS platform. An

Advanced Comprehensive Clinical Training and Simulation Centre and Advanced Surgical Skill Enhancement Division ensure hands on skill and simulation based training. The teaching-learning processes cater to different domains of knowledge emphasizing on eliciting critical thinking. Teachers are trained in the development and delivery of ICT-enabled learning resources.

Examination and Evaluation

The examination section is fully automated with tamper proof Examination Management System, which includes student registration, online entries of attendance and internal assessment marks, hall ticket generation, consolidation of marks, results and generation of marks cards. New feature include • Question paper bank and auto-generation of question paper without human intervention • Digitalized theory evaluation and on screen marking. • The results of all the examination are declared within 2 weeks of the last day of practical/clinical examination.

Research and Development

The University research policy ensures quality of research and publications with committees overseeing its implementation. The Ethics Committee has NABH and international (FERCAP) accreditations. Research support facilities include a state-of-art central research facility for inter/multi/trans-disciplinary research with ISO 17025:2017 and GLP certifications. In 2019 over 500 research papers have been published which are indexed in Scopus/Web of Science/ PubMed and UGC-CARE list. Yenepoya Technology Foundation supports start-ups and is recognized for Med-Tech and Rapid Prototyping Facility, Centre for Social Innovation programme and Early Translational Accelerator by BIRAC with 9 patents published.

Library, ICT and Physical Infrastructure / Instrumentation

The library is automated and managed by Integrated Library Management System software Easylib (version 4.3.3). The features comprise Cataloging and Accessioning Module, OPAC/EPAC Module Circulation, Module Membership Module. Services include Remote Access to e-resources Biometric Access Control system CCTV surveillance and Digital Libraries University department of ICT has adequate man power to cater to

diverse needs 247. All classrooms are IT enabled and e-governance and e-learning supported through appropriate software and Wi-Fi with 1GB bandwidth. As part of Physical infrastructure, University has added 21 classrooms apart from over 100 new equipment worth over Rs.4320 lakhs.

Human Resource Management

HRM at Yenepoya (Deemed to be University) is well organised and addresses to aspects pertaining to recruitment, maintaining service records of employees, attendance, credentialing, relieving and retirement from service. Section has developed necessary SOPs for the recruitment and maintains all records in respect of notification, interview and reporting for duty. HRM ensures that all newly recruited employees undergo induction and orientation. Both teaching and non-teaching staff attend these programs which are conducted every month. E-governance is put in place for effective management and monitoring of the employees regularity and commitment to the institution. Section has evolved duties and responsibilities for teaching and non-teaching staff to ensure that duties are discharged appropriately.

Industry Interaction / Collaboration

Internship Students are posted to the industry for internships to acquire employability skills as a part of the Government of Karnataka sponsored Biotechnology Industry Skill Enhancement PG Diploma Programme and approved by Life Sciences Sector Skill Development Council (LSSSDC) Students visit various industries to experience the ergonomics needs and undertake screening and awareness programs for industrial workers and professionals Students participate in cancer awareness/school health programs/Swachh Bharat Abhiyan/Pulse Polio Immunisation/Vande Bharat Mission. Collaborations: The University has signed 28 new MoU with reputed Institutions of excellence and industries for internship, observership, and research exchange have provided opportunities to the students to be competent.

Admission of Students

The Yenepoya University offers a wide spectrum of academic programmes in health professional education and

general education. In the year 2019-20, 2024 students were enrolled. Adequate Publicity is ensured through advertisement in National/Regional Newspapers and electronic media. The institution publishes the online Prospectus routinely which is revised and updated from time to time. Transparency is ensured through the following process. A separate admissions office headed by the Manager, who provides all admission related information to the aspiring students seeking admission to the programmes offered by the Institution through telephone, email and website. Admission for the various undergraduate and postgraduate courses in Medicine, Dentistry, Ayurveda, Homeopathy is done on the basis of merit of the students and the ranking obtained in the National Eligibility Entrance Test (NEET) conducted by the Government regulations. Admissions to other programmes are based on merit in the qualifying examinations. For Ph.D the university conducts entrance examination twice a year. Complaints and grievances if any are effectively addressed by the committees appointed for this purpose.

6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Planning and Development	Document Management System Microsoft 365 for Education (A1 License) Autocad 2000
Administration	Hospital Management Information System a. Hospital Management Information System -YHMCH b. Hospital Management Information System -YDC E-track- Biometric Capturing Software Darwin Box - HR Management software PACS
Finance and Accounts	Student Information Management System (In-house Developed) Saral TDS Tally 9.0
Student Admission and Support	E track - Biometric Capturing Software Zoom Video Conferencing Microsoft 365 for Education (A1 License) Google Suit for Education (Google Work Space for Educational Fundamentals) Attendance Updater (In-house Developed) My Academic Document Management System E-Portfolio

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2020	Mrs. Sindhupriya E S	Indian Pharmaceutical Association (IPA)	Indian Pharmaceutical Association (IPA)	1800
2020	Mrs. Prajitha Biju	The Association of Pharmaceutical Teachers of India (APTI)	The Association of Pharmaceutical Teachers of India (APTI)	875

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6.3.2 – Number of professional development / administrative training programmes organized by the University for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	ITI ROAD SHOW CDE Programme on Basic Concepts - Implants organised by the department of Periodontology and department of Implantology, Yenepoya Dental College, Yenepoya Deemed to be University in association with Straumann India at	Nil	03/07/2019	03/07/2019	170	Nil

	the Dental College					
2019	Basic Skills Workshop on Assessment Methods in Health Sciences Education organised by Centre for Health Professions Education Yenepoya Deemed to be University in association with Yenepoya Pharmacy College and Research Centre, Mangalore at Demonstrati	Nil	05/07/2019	06/07/2019	26	Nil
2019	Workshop on Publication Integrity-Avoiding Predatory Journals organised by Internal Quality Assurance Cell of Yenepoya Deemed to be University at Lecture Hall IV, Academic Building, Yenepoya Medical College, Deralakatte	Nil	30/07/2019	31/07/2019	169	Nil

Mangalore

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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
CDE Program on Basic Concepts-Implants in Association with Straumann Indian at Yenepoya Dental College, Yenepoya Deemed to be University, Deralakatte, Mangalore	1	03/07/2019	03/07/2019	1
Basic skills workshop on Assessment methods in health sciences education held organized by Centre for health professions education, Yenepoya and Yenepoya Pharmacy college and Research centre, Mangalore	2	05/07/2019	06/07/2019	2
National Seminar and Workshop Mahoushadhi 2019 on New Dosage Forms organised by Department of Rasashastra and Bhaishajya Kalpana at Parul Institute of Ayurveda and Research, Vadoda	1	05/07/2019	06/07/2019	2

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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
493	493	2442	2442

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
81,30,750.00	70,78,037.00	24,55,750.00

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

Internal Audit Internal Auditor verifies the income and expenditure, capital expenditure, purchase of equipment and checks the vouchers and bills quarterly. Reports are placed before appropriate bodies for analysis and corrective actions. Internal audits are conducted only stocks available at various sections, departments and constituent units of University. External Audit The external auditors carry out the audit every item of income and expenditure and capital expenditure and its compliance to all statutory requirements and filings. Before certification, auditor ensures that the audit report complies with all standard accounting norms. The audit report is placed before the statutory bodies for approval.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
National Institute of Health-Fogarty International Center	163.63	Grant for M.Sc Course in Research Ethics
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6.4.3 – Total corpus fund generated

5000000

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	Null	No	Null
Administrative	No	Null	No	Null

6.5.2 – What efforts are made by the University to promote autonomy in the affiliated/constituent colleges? (if applicable)

Not applicable

6.5.3 – Activities and support from the Parent – Teacher Association (at least three)

The constituent units of the University are vested with the responsibility of conducting interactions with parents, mentors, counselors and students. The

primary focus of this interaction includes discussion on academic performances, attendance and any other issues. Regular feedback is collected from parents on academic activities, hostel accommodation and food.

6.5.4 – Development programmes for support staff (at least three)

- Workshop on Administrative Reforms and Governance in Higher Education Institutions for non teaching staff to train them about importance of quality processes in governance aspects and Total Quality Management of the Institution was conducted.
- Orientation to the stakeholders on revised NAAC Manual for Health Science Universities such as the Accreditation process, Institutional grades, and various criterions, distribution of grades, metrics and key indicators was organized.
- AHA recognized Advanced Cardiac Life Support (ACLS) training was conducted to healthcare professionals. The ability to recognize several life threatening emergencies, provide CPR, use of defibrillator, use an AED and relieve choking timely and effectively were sensitized.

6.5.5 – Post Accreditation initiative(s) (mention at least three)

The University ever since its accreditation by NAAC in 2015 has been striving to excel in its overall functioning by enhancing its quality in various aspects of functioning. During this period 2019-20 it has strengthened e-governance by incorporating additional software's in administration, finance and student administration and support. New centers has been established

- Yenepoya Centre for International Relations (YCIR)
- Centre for Yoga and Wellness
- Centre for Publication, Research and Integrity (PRIDE)

Accreditation of Yenepoya Ethics Committee-1 both in National Accreditation Board for Hospitals and Healthcare Providers (NABH) and Forum for Ethical Review Committees in Asia and the Western Pacific Region (FERCAP)

6.5.6 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	Yes
d) NBA or any other quality audit	Yes

6.5.7 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2020	Webinar : Increasing citations: What to do both pre-publication and post-publication? By Dr. Subhashree Nag, Clarivate Analytics, Bangalore jointly organized by IQAC and Central Library.	10/06/2020	10/06/2020	10/06/2020	135

2020	Web of Science -Advanced Users Training for Faculty and Research Scholar by D r.Subhashree Nag, Clarivate Analytics, Bangalore jointly organized by IQAC and Central Library.	03/06/2020	03/06/2020	03/06/2020	102
2020	Using Citation Analysis to Develop a Research Vision for Faculty and Research Scholar by Dr. Subhashree Nag, Clarivate Analytics, Bangalore jointly organized by IQAC and Central Library.	26/05/2020	26/05/2020	26/05/2020	95
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Collage competition on Stop Violence amongst women	03/08/2019	03/08/2019	30	15
Guest Lecture : Peace, Justice and Equality: Let's	22/11/2019	22/11/2019	80	12

adopt them				
Life skill education program On Pubertal changes and Menstrual Hygiene for adolescent girls at DKZP Hr. Pry. School	04/03/2020	04/03/2020	35	17
International Women's day - From womb to tomb	07/03/2020	07/03/2020	73	35
International Women's Day - guest Lecture on Each for equal -focussing on gender equal world. Women employee was felicitated	10/03/2020	10/03/2020	250	36
Guest lecture on Justice to transgender	18/03/2020	18/03/2020	42	13
Seminar on Human rights and Gender equality	14/05/2020	14/05/2020	80	18

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources

The University provides higher emphasis on creating an eco friendly campus and has established itself as a green campus over the last 25 years. University has established a solar roof top which is an initiative to install 498KW plant in all its buildings in a collaborative venture with OV Energy. Green initiatives become sustainable only when they are economically tied into a project. One such project of establishing a solar form has converted a beneficial and economically viable venture and is serving as a model to all institutions in and around the region. The solar roof top being cheaper than the grid power, under this scheme the University produces 6 lakhs units of energy annually, translating to a yearly saving of approximately 25 lakhs to the University in terms of energy and expenditure. The capital now facilitates further development of establishing a few more panels in the newer buildings and make these departments in these buildings as sustainable. The university is in the process of replacing CFL bulbs with LED bulbs. The University has, imbibed the principles and practice of waste management to manage the waste generated through the 3R Concepts of Reduce, Reuse and Recycle. A dedicated Centre for Environmental Studies has been established to oversee the implementation of environmental policies of the University. Activities undertaken by the Centre are establishment of the Vermi composting unit, Pipe compost, Energy conservation activities, Water conservation and recycling activities, water

harvesting programs, Programs on Swachatta Hi Seva, Swachh Bharath, Swachhta Pakhwada etc. The Centre has developed a medicinal plant garden in two campuses and has maintained lawns and plantations. There are several unique programmes e.g. "Plant a tree" program. In addition, the Centre initiates and observes National and Internationals days relevant to environment for. E.g. Earth day, Vanamahotsava, International environmental day of Biological diversity, etc. The centre initiated a Green Community project in 2019 which focuses on environmental conservation through community participation. It also conducts awareness programs, training programs and extension activities for the teaching, non-teaching staff and students. Water Management, Water treatment and Waste Water Management related activities, Sewage treatment Plant are undertaken. The Centre offers a certificate course on Environmental studies for all the undergraduates. The centre is also involved in auditing of environmental resources and has created an environmental policy for the university.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	26
Provision for lift	Yes	26
Ramp/Rails	Yes	26
Braille Software/facilities	Yes	0
Rest Rooms	Yes	26
Scribes for examination	Yes	3
Special skill development for differently abled students	Yes	0
Any other similar facility	Yes	0

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	Nil	121	01/07/2019	365	Major Health Camps Health Care Needs	Health care Needs	850
2019	Nil	117	01/07/2019	365	Health awareness talks	Health care needs	3934
2019	Nil	71	01/07/2019	365	Blood Grouping	Blood donation, blood transfusion	304

						and pregnancy health	
2019	Nill	39	01/07/2019	365	School checkup and additional checkup	Health care needs	353
2019	Nill	254	01/07/2019	365	Dental Camps	Health care needs	912
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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Code of conduct for students	30/04/2020	The code of conduct is being circulated among all the students through the Student Welfare Officer on the day of joining the course and during the induction programs. The Disciplinary Committee is empowered to monitor the implementation of Code of Conduct.
Code of conduct for Parents	30/04/2020	This code was prepared by the Disciplinary Committee of the University in view of the smooth functioning and grievance redressal of students in an effective manner. Regular PTS meetings are conducted in order to apprise the parents regarding the academic and co-curricular activities of the students.
Code of Conduct for Administrators and other staff	30/04/2020	Byelaw 191 Chapter 6 outlines the code of conduct for Administrators and other staff of the University and is monitored by the Human Resource Department and the Quality Officers.
Code of conduct for Teachers	30/04/2020	The MOA and Byelaws YU 47 of the University outlines the code of conduct for teachers. The same has been incorporated in the

joining reports and this information is provided to the Teachers during the orientation program by the HR. This is being circulated at frequent intervals in order to ensure effective implementation.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Participation of students in National Youth Parlimet, New Delhi	20/02/2020	23/02/2020	5
Inter State Youth Exchange Programme - 2020	24/01/2020	27/01/2020	60
Ek Bharat Shreshta Bharath programme	24/01/2020	27/01/2021	100
Swachhata Pakhwada	16/01/2020	31/01/2020	100
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Restricted entry of automobiles : Ban of large and small vehicles, Bike riders without wearing helmet, auto rikshaw and two wheelers are not permitted inside the campus. 2. Pedestrian-friendly pathways : Eco friendly pedestrian pathways inside the campus for safe walk and signage boards is placed where ever required to draw the attention to any kind of emergency alerts and to provide the instructions for safety in the campus. 3. Ban on the use of Plastics: Ban on use of single use plastics inside the campus. The signage boards are placed in all the constituent colleges of the university with the slogan 'say no to single use plastic'. The university has conducted many activities and programs on Swachatta Hi Seva, Swachh Bharath, Swachhta Pakhwada etc. A training program on bag making using cloth materials to spread awareness against the use of polythenecarry bags and we can emerge as clean, green and pollution free and a plastic free society. 4. Landscaping with trees and plants : The university has the eco- friendly stance is seen in the University's commitment as a no smoking, plastic free, clean and green campus. The observation of days related to environment such as World Environment Day, Vanamahostava, World Water Day, World Ozone Day, International Forestry Day , International day of Biological diversity , World earth day , National Energy Conservation day etc are celebrated in the campus. Student participation in "Plant-a-tree" programme and environmental activities through "Yenviron Club". Plantation of saplings with medicinal properties and host plants for birds and insects. A Medicinal plant garden is maintained in the campus. Training and awareness on vermi composting to women and farmers. Distribution of compost and earthworms and maintenance of landscape gardening and rainwater harvesting ponds. Plantation of saplings was extended to the community.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. Solar 1. Title of the Practice A green initiative moving towards renewable energy as sustainable campus. 2. Objectives of the Practice Yenepoya (Deemed to be University) provides higher emphasis on creating an eco friendly campus and has established itself as a green campus over the last 25 years. University has established a solar roof top which is an initiative to install 498KW plant in all its buildings in a collaborative venture with OV Energy. Green initiatives become sustainable only when they are economically tied into a project. One such project of establishing a solar form has converted a beneficial and economically viable venture and is serving as a model to all institutions in and around the region. The solar roof top being cheaper than the grid power, under this scheme the University produces 6 lakhs units of energy annually, translating to a yearly saving of approximately 25 lakhs to the University in terms of energy and expenditure. 3. The context The solar energy corporation of India provides subsidy and financial support to educational institutions to switch to solar energy. This also falls under the State net-metering policy whereby all excess units of energy generated during the day are fed back to the grid and accorded due credit with the DISCOM, increasing the overall savings generated. This scheme also promotes wide use of solar power. Secondly the beautiful architecture of various buildings situated within the campus of the University is suited for solar, utilizing the existing angle of the tiled roof to opt solar irradiation on the panels and ensure maximum energy output. The system has been designed in such a way to ensure that roofing is not compromised in any way with respect to leakages but rather is benefitted to the entire building by reducing the temperature in peak summer and thereby reducing the energy needed to cool - another form of savings through rooftop solar. Hence this creates a win-a-win scenario for both the consumer as well as the investor. 4. The practice The goal of creating a campus which is sustainable with renewable resources the University management has had several discussions with the renewable energy providers. The University took a decision to go solar not only to switch across to a cleaner, emission-free source of power, but also driven by the desire to enjoy significant reduction in the form of savings on the electricity expenditure which was increasing several crores due to various developmental activities happening within the campus. University houses Health Science related Colleges and Hospital which consumes 1608 units of energy each day to the teaching hospital wherein electricity need to be provided to the facilities 24x7. This forced the Institution and its Management to look into other alternate source of energy wherein savings can be met on this expenditure. The major challenge of installing such facility was to find out a suitable partner and also to find out buildings wherein maximum solar exposure can be achieved using existing infrastructural limitations. 5. Evidence of success Since last one and a half year after solar installation the University has produced 7,23,977 units of power which directly translates 48,265 units of solar power generation per month with savings of Rs.2,16,399/- per month. The roof leakages have been reduced significantly during the last one and a half years as well as the temperature has significantly reduced in these buildings where solar power has been installed. This also has reduced usage of Air conditioners in the last floors of the buildings. With this the University has gained significant attraction in the media as well as amongst the peers for pioneering these efforts. This also has significantly contributed to India's emission targets and promoting India's' commitment and ambitious challenge on a global stage. 6. Problems encountered and resources required: The resources required are solar panels, maintenance of solar panels, dedicated monitoring process, dedicating wiring and supply chain, auditing process and accountability. 7. Notes (optional) 2. Central Kitchen Facility 1. Title of the practice Central kitchen facility: A unique initiative to maintain health, nutrition and well being of students "live better - learn better". 2. Objectives of the practice: • Providing hygienic, nutritious, balanced diet (uniform) food to all the stake holders at an affordable cost through a

centralized facility with distribution network spread across the campuses and city. This is also in line with the UGC and MHRD mandate of "Live better learn better" by banning sale of junk foods in the campus. • To reduce the obesity levels in young learners, thus preventing life style disorder that has a direct link to the excessive weight. 3. The context Yenepoya (Deemed to be University) since its inception has consistently been embarked on the journey of providing best possible ecosystem for living while creating the necessary infrastructure, student support and high living standards at affordable cost. The University has laid priority on providing proper nutrition, proper exercise and healthy habits to its students as most of them are under the residential programs. The students coming to the campus are from various geographical backgrounds, religion and diverse food habits were finding it difficult to adjust to the food being prepared and served at various hostels. The taste, caloric values, preparation methods also differed. This has resulted in students skipping meals/breakfast and opting for junk foods. With this background management decided to create a unique initiative which can overcome all these difficulties while maintaining the health (physical and mental) of students. 4. The Practice The overall planning of the initiative was such that, it is now considered a unique facility in the country at the University set-up. The "Food Craft" was established in the year 2012. It has a professionally managed food production unit and the food is prepared using state-of-art mechanised facility. The food is untouched by hands and is completely hygienic. The food production is as per the rules and regulations set out by the Indian Food Safety Standard Authority. Food is packed and delivered to distant places with utmost care and within time using uniquely designed vehicles. The food is prepared for hostels, Restaurants, Cafeteria, Patients (free), Staff and Banquet parties (on order). It has a capacity to prepare and serve to around 15,000 people at a time. Automation has been introduced for bulk cooking including rice making. Hot water and steam are used extensively to save cooking gas by 50. Steam is generated by using briquettes made out of coffee husk, saw dust, etc. The fuel briquettes has led to green and pollution free cooking. Food is transported in specialised containers, which can store food items in hot condition upto 6 hours. The cooking work is managed by recycling. Used oil is used in furnace coconut husk is used for burning. Water is recycled for gardening and the solid waste is used for vermi-composting. The food prepared is supplied to about 19 outlets inside and outside the campus. 5. Evidence of success The initiative and the practise have been highly successful which is evidenced by the output in terms of quantity and quality of food being serviced across the institution and hospitals of the group and outside. Currently per day 21000 meals are prepared, 2500 pieces of bread and buns, 25 kg of pastry and cakes, 40 kg of cookies and 6000 pieces of snacks are being prepared in a professional manner and is supplied across Institutions and City. Currently this organisation has provided jobs to 390 local people who are around the University campus. The financial details for the last 3 years are direct indication of the success of this venture. The success of this venture in 2016-2017 is 19.30 crores, 2017-18 is 20.75 crores, 2018-19 is 23.12 crore and 2019-2020 is 27.49 crores. 6. Problems encountered and resources required 1. Co-operation from the students was a major concern. This was overcome by creating awareness programs and meeting with the individual students and constant feedback collection and prompt action. 2. Supply chain management: Supplying to all the stakeholders in a stipulated period and serving it hot was a biggest challenge. To overcome this challenge, fleet of specially designed vehicles and containers which can hold the food hot and nutritious were procured from Japan. Now the food is also served free to all the patients and their parties in the hospital, destitute homes, orphanages, etc. The food remains hot for 6 hours. 3. Affordability and quality/quantity: This was a major concern as students could not be burdened with the cost for food and additionally free food serving to all the patients and parties was a challenge. This was overcome by having commercial outlets in

the city and other establishments like cafeteria etc., in corporate houses and hospitals in the city. 7. Notes (optional)

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<https://www.yenepoya.edu.in/agar-0>

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

ADVANCED SURGICAL SKILLS ENHANCEMENT DIVISION (ASSEND) Enhancement of surgical skills using large animals and human cadavers are extremely useful in the Minimally Invasive and Robotic- assisted surgical training programs. These surgical procedures are gaining popularity, as they offer many advantages over conventional surgical procedures. On the technology front, Robotic-assisted devices have continued to evolve and are being used more frequently in surgical procedures. Considering the demand for up skilling surgeons in Robotic-assisted surgeries, the Yenepoya (Deemed to University) in collaboration with Intuitive Surgical, USA Inc. (a global technology leader in minimally invasive robotic-assisted surgeries) has established an Advanced Surgical Skills and Robotic Surgery Training Centre (ASSEND), for training surgeons in Robotic- assisted surgery using animals and cadavers. The da Vinci® Surgical System enables surgeons to operate through a few small incisions on the belly button from a nearby ergonomic console. Training is imparted by trainers from Intuitive Surgical, USA. Inc. The goal is to help trainees develop knowledge and skills needed to use the da Vinci® System safely and efficiently. Training is also imparted in minimal invasive surgeries like laparoscopic surgeries and transplantation procedures like renal and liver transplantations by surgeons. A large Animal Facility has been created (License No. 347/PO/Re-S/Rc-L/01/CPCSEA) to provide training. Before performing surgeries on large animal models, an initial simulation-based training is imparted. A Cadaveric Laboratory has also been set up which imparts training in surgical procedure including Robotic Surgery. A holistic approach for training has been followed by the synchronized use of ACTS-YEN, Animal Facility, Cadaveric Laboratory and ASSEND. The trainees get opportunities to scale up their basic skills to advanced levels. Advantages of this training approach are multifold. ACTS-YEN provides minimal access surgery simulation models which provide various clinical scenarios to work with. Trainees get adequate exposure to hone their skills before performing surgeries on the animal model. The trainer can also assess the trainee's skill before progression to the animal models. This helps the trainer customize training modules according to the trainees' strengths and weaknesses. Training on large animal models immediately after simulation gives the trainee maximum advantage in translating skills acquired in simulation to a live model. On acquiring the basic skills, the trainee advances to the cadaveric model for comprehensive training of surgical anatomy. Training modules have been developed integrating all these systems (ACTS-YEN, Animal Facility, Cadaveric Laboratory and ASSEND) so that available resources are used prudently for the maximum benefit of the trainees. One hundred and seven surgeons have been trained during the year in this system, and have vouched for its uniqueness and the resultant enrichment of their surgical skills.

Provide the weblink of the institution

<https://www.yenepoya.edu.in/agar-0>

8.Future Plans of Actions for Next Academic Year

• Postgraduate programs in 50 branches • New Academic program and Value added courses • Augmenting facilities for e-learning facilities • Technological reforms

in evaluation • Molecular Medicine and Oncology Research • Infrastructure for
Naturopathy and Yogic Science • Cancer Centre • Strengthening E-Governance