



**YENEPOYA**

(DEEMED TO BE UNIVERSITY)

Recognized under Sec 3(A) of the UGC Act 1956

Accredited by NAAC with 'A' Grade

## 4.1.1

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

**Any additional Information**

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<b>Particulars</b>	<b>Web Link</b>
Link to the video on Infrastructural details of the University and its constituent units	Link

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**Centre for prevention  
of substance abuse**

# Centre for Substance Abuse Prevention

**Yenepoya(Deemed to be University)**



**YENEPOYA (DEEMED TO BE UNIVERSITY)**

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# Centre for Substance Abuse Prevention

## Yenepoya(Deemed to be University)

### Preamble:

Substance abuse is an enormous problem faced by colleges and universities today, which not only disrupts the learning environment but also adversely affects the fabric of university campus experience. Yenepoya (Deemed to be University) is well aware of its role in shaping young men and women to become the future leaders of our country, who will set the norms and establish behavioural patterns for the next generation. Therefore Yenepoya (Deemed to be University) has set a definite policy on Substance Abuse Prevention and related issues as an expression of commitment in providing a campus experience that allows students to rise to their full potential without any hindrance.

### Guiding Principle

The campus and surrounding community exert a profound influence on innumerable facets of student life. The social, academic, and co-curricular milieu is often shaped by the social norms and perceptions related to the use of alcohol, tobacco, and other drugs on the campus. To prevent substance abuse and to create a secure, conducive atmosphere for learning among the students in the campus, Yenepoya (Deemed to be University) has formulated specific guidelines concerning the possession, use and/or distribution of substances of abuse.

Under the National Policy on Narcotic Drugs and Psychotropic Substances (NDPS) and UGC guidelines, Yenepoya (Deemed to be University) prohibits the unlawful possession, use, distribution, or manufacture or dispensing of substances of abuse including tobacco, alcohol or any other drugs and substances mentioned in The Narcotic Drugs and Psychotropic Act 1985 on premises owned or controlled by Yenepoya (Deemed to be University). The policy will apply to all members of the University including students, staff and faculty members and to all events or activities which are organized, conducted or sponsored by the University, whether they occur at the university or outside.

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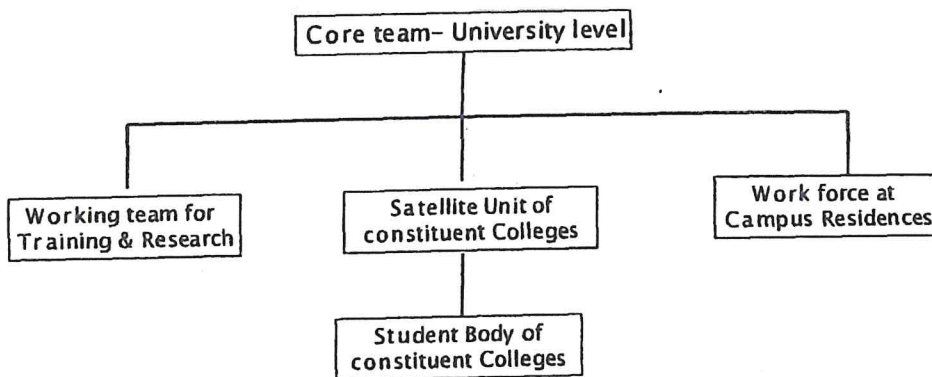
## Mission

Plan and execute strategic efforts that can create awareness among students on adverse effects of 'substance Use' and prevent, limit and possibly eliminate 'Substance abuse' related issues in the University campus

## Objectives

1. To create awareness about the adverse effects of Substance abuse as an enormous threat to individuals and society as a whole
2. To take all necessary measures to prevent, limit and possibly eliminate 'substance' abuse in the Campus which can be a major obstacle to academic performance
3. To assist the students in handling substance abuse-related problems
4. To deal with the reported cases of substance abuse objectively with compassion and caution
5. To conduct training of health professionals and allied professionals to develop skills to support the Substance Abuse Prevention activities

## Organization Structure



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## Units and working team

### Core team- University level

#### Team members

- ▶ Deputy director
- ▶ College co-ordinators as Members (One member as convener)
- ▶ Campus Administrative Officer
- ▶ Student Welfare Officer
- ▶ Security Officer
- ▶ Senior resident warden- Gents Hostel
- ▶ Senior resident warden- Ladies Hostel

#### Role

- ▶ Plan and execute Substance Abuse Prevention activities of University
- ▶ Coordinate & Unify the activities of all constituent colleges

### Substance Abuse Prevention Satellite Unit of constituent colleges

#### Team members

- ▶ College co-ordinator- One senior faculty
- ▶ Batch-wise co-ordinators – One / batch
- ▶ Student member- Co-ordinator of student body

#### Objective:

- ▶ To oversee the substance abuse prevention activities of the college

#### Role:

- ▶ Identify and provide support to students with substance use related problems
- ▶ Sensitise parents and new students during admission day and also follow up sessions during PTS meeting
- ▶ Collect affidavit from parents and students
- ▶ Organize awareness programs as part of Student Induction Program and follow up sessions

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- ▶ Supervise activities of student body.
- ▶ Place relevant bill boards in the premises

**“Say No to Drug” Student Body** (as per UGC letter dated 4-03-2020)

- ▶ Each institution should have a student body

**Team members**

- ▶ One faculty member as Faculty Advisor
- ▶ Two student representatives from each batch (one of them can be selected as group coordinator)

**Objective:**

- ▶ Ensure student participation in substance abuse prevention activities

**Role:**

- ▶ Act as early warning system to inform regulatory authorities in case of any abuse
- ▶ Support rehabilitation of fellow students
- ▶ Organize awareness programs
- ▶ Promote concept of Health promoting University

**Work force at Campus Residences**

**Team members**

- ▶ Campus Administrative Officer
- ▶ Student Welfare Officer
- ▶ Security Officer
- ▶ Senior resident wardens- Gents Hostel
- ▶ Senior resident wardens- Ladies Hostel

**Objectives:**

- ▶ To take all necessary measures to prevent, limit and possibly eliminate ‘substance’ abuse in the campus residence

**Role**

- ▶ Enforcement of the hostel rules and regulations
- ▶ Sensitise the resident wardens and security personnel
- ▶ Surprise visit/random checking of hostel rooms
- ▶ Random surprise checking of the baggage

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## **Working team for Training & Research**

- ▶ Dr. Maji Jose, Dept of Oral Pathology
- ▶ Dr. Anil Kakunje, Dept of Psychiatry
- ▶ Dr. Rekha Shenoy, Dept of Public Health Dentistry
- ▶ Dr. Poonam Nirgudde, Dept of Community Medicine
- ▶ Dr. Rachna V Prabhu, Dept of Oral Medicine
- ▶ Dr. Shruthi Nayak, Dept of Oral Pathology
- ▶ Dr. Reuben Abraham, Dept of Oral Pathology
- ▶ Dr. Gladys Colaco, MSW, YMCH

### **Objectives:**

- ▶ To conduct training programs

## **Operational Plans**

### **1. Substance Abuse Prevention Activities**

#### **a.) Providing Healthy campus Environment**

- offer substance-free recreational opportunities

#### **b.) Policy and rule enforcement**

- Set a definite policy on substance abuse and communicate to all stakeholders
  - Collecting affidavit from students and parents
  - Ensure rule enforcement

#### **c. Awareness programs/ Education**

- As a part of Student Induction Program
- Follow up sessions
- Ensure Student participation
- Placing relevant bill boards

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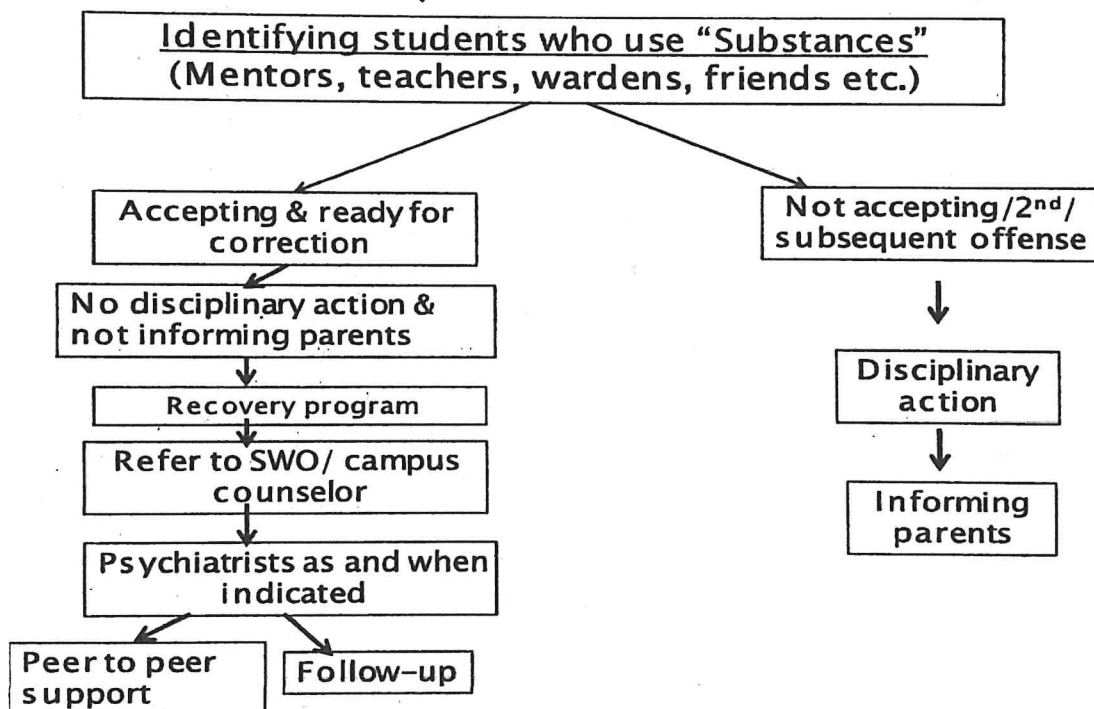


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## 2. Early detection and support

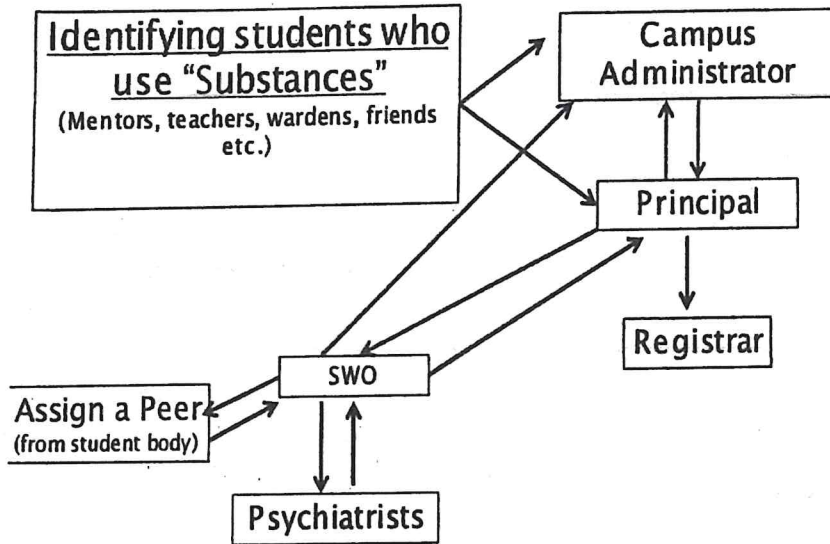
### 1. Identifying the students with substance use related issues

- ▶ The members of the university community including faculty, staff, resident assistants, student representatives and others are alerted to pay attention to students who exhibit the signs of substance abuse
  - Poor academic performance
  - Absenteeism from classes and hostel
  - Isolation from friends, change in behaviour
- ▶ 2. Referral for counseling services or educational interventions or de-addiction services



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### 3. Handling the reported cases

- ▶ Disciplinary procedures
- ▶ The disciplinary action will depend upon the nature/severity of the offence committed
- ▶ The record of a student involved in substance abuse has to be maintained by the institutional Substance Abuse Prevention unit with all reports.
- ▶ If such a report is created on a student, he/she will consequentially become ineligible to receive any letters of recommendation or reference from the institution.
- ▶ Distribution or supply of 'substance will be taken more seriously and disciplinary action will be more severe

#### **In case of suspicion –**

- ▶ A verbal warning to be given by the Head of the Institution. The student should be reminded of existing Campus policy, government laws and punishment for use, possession, and distribution of 'substance' of abuse.

### **Confirmed case of violation**

#### 1st time Offence:

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- ▶ The Head of the Institution will give a written warning to the student, mentioning a disciplinary action that will be initiated on the repetition of the offence.
- ▶ A notification will be sent to parent/guardian summoning him/her for a meeting with the Head of the institution, the Institutional Substance Abuse Prevention Committee and Mentor
- ▶ The student will be referred for counseling


**2nd time Offence:**

- ▶ 1. The Head of the Institution will notify the parent/guardian and call him/her for a meeting with the Institutional Substance Abuse Committee /Mentor.
- ▶ 2. The student will be suspended from academic activities for a minimum period of one week. During the period of suspension, the student will not be eligible for any privileges and will have no access to any facilities or services, including the use of library facility.
- ▶ 3. The student will attend counselling sessions along with his/her parent/ guardian or a de-addiction process as applicable during the period of suspension. The rules of attendance will be applied with respect to eligibility to appear for university examinations.
- ▶ 4. The student will resume regular classes on satisfactory report of the Institutional Substance Abuse Prevention Committee and any condition put forth by the institution, on him/her

**3rd time Offence:**

- ▶ 1. The Head of the Institution will notify the parent/guardian summoning him/her for a meeting with the Head of the institution
- ▶ 2. Suspension from the institution for one term/semester with academic work. During the period of suspension, the student will not be eligible for any privileges and will have no access to any facilities or services including residing in the hostel of the institution/university. The rules of attendance will be applied with respect to eligibility to appear for university examinations
- ▶ 3. The student will have to go through the de-addiction process in a recognized de-addiction centre for counseling and rehabilitation. On completion of the suspension period, a wellness and fitness certificate of the student from authorized person should be submitted to the 'Substance' Abuse Committee for review.
- ▶ 4. The student will have to attend the counselling sessions arranged by the institution, for regular follow-up.

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**Subsequent Violations:**

- ▶ In case of any subsequent violation, the student will be dismissed from the institution. Such students will be subject to the rules of the University in the matter of fees payable by him/her.  
In addition to the above disciplinary action decided by University, as required by law, the University will also cooperate with legal proceedings against the offender for the unlawful possession, use, or distribution of alcohol and illicit drugs

**4. To conduct training Programs**

**Awareness Programs**

- ▶ Educating students about the risks and harmful effects of substance abuse so that students can be encouraged to take an informed decision and may choose to stay away from these substances of abuse.

**Add on Courses**

- ▶ Training to the community health care professionals so that they can participate in substance abuse prevention activities

**CONCLUSION:**

Yenepoya (Deemed to be University) is obliged to put into practice the strategies put forward on 'Substance' Abuse Prevention Policy document for the eradication of Substances of Abuse in their campuses. This is a genuine attempt to ensure campus safety and to tackle one of the major obstacles to academic performance. Stopping student substance abuse will also boost the quality of life of students and bring huge dividends tomorrow in terms of career advancement and personal satisfaction

\*\*\*\*\*



*Maji M*  
Deputy Director  
CENTRE FOR SUBSTANCE  
ABUSE PREVENTION  
YENEPOYA UNIVERSITY  
Deralakatte, Mangalore-575 018

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# **National Service Scheme (NSS)**



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# NATIONAL SERVICE SCHEME

YENEPOYA

(Deemed to be University)

Recognised under Sec 3(A) of the UGC Act, 1956 Accredited by NAAC with 'A' Grade  
University Road, Deralakatte, Mangaluru – 575018



Date: 10.12.2020

## DATA BASE OF NSS PROGRAMME OFFICERS

SL.N O	NAME OF THE COLLEGE	UNIT NO	NAME OF THE NSS PROGRAMME OFFICERS
1.	Yenepoya Dental College	1	Dr. Imran Pasha M
2.	Yenepoya Medical College	2	Dr. Akshay K.M
3.	Yenepoya Medical College	3	Dr. Pracheth Raghuvver
4.	Yenepoya Physiotherapy College	4	Dr. Shemjaz Arakkal. M
5.	Yenepoya Nursing College	5	Mrs. Renita Priya D'souza
6.	Yenepoya Institute Of Art, Science, Commerce And Management	6	Mr. Pavitra Shetty
7.	Yenepoya Institute Of Art, Science, Commerce And Management	7	Mr. Anoop K.M
8.	Yenepoya Pharmacy College And Research Centre	8	Mr. Mohammed Asif Iqbal. C
9.	Hospital Administration	9	Mrs. Averil Rebello
10.	Allied Health Science	10	Ms. Florance
11.	Yenepoya Ayurveda Medical College	11	Mr. Jnanesh Marathe
12.	Yenepoya Homoeopathy Medical College	12	Dr. Shashikant B.K

**Dr. Ashwini S Shetty** NSS Programme Coordinator, Yenepoya Deemed to be University,

Total NSS Units of Yenepoya Deemed to be University – 12 Units

Government Funded Units – 10 Units

Self Finance Units – 2 Units

Programme Co-ordinator, NSS  
Yenepoya deemed to be University

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**Centre for Nutritional  
studies**



YENEPOYA  
UNIVERSITY

No.YU/REG/BOM/41/NOT/2017

Office of the Registrar  
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P.O. Nithyananda Nagar  
Deralakatte  
Mangalore - 575018  
Ph: 0824-2204667/68/69  
Fax: 0824-2203943  
Date: 10.11.2017

**NOTIFICATION**

Sub:- Establishment of a Centre for Nutrition Studies - reg.

Ref:- Proceedings of 41<sup>st</sup> meeting of the BoM meeting held on 20.10.2017

- Agenda 18.

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The Board of Management at its 41<sup>st</sup> meeting held on 20<sup>th</sup> October 2017, has approved in principal the proposal for establishing the Centre for Nutrition Studies in Yenepeya University at its meeting held on 20th Oct 2017. A detailed proposal for functioning of the centre may be placed before the next Planning & Monitoring Board and Finance Committee. The final implementation plan may be placed before the next Board of Management meeting.

Dr.G.Shreekumar Menon  
Registrar

To:- The concerned.

Cc to:-  
The Vice chancellor  
Academics, YU

copy to:-

✓ Dr. Anurag Bhagav

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If we could give every individual the right amount of nourishment and exercise, not too little and not too much, we would have the safest way to health.

- Hippocrates

### **Center for Nutrition Studies (CNS): Vision, Mission and Objectives**

The Center for Nutrition Studies was started in 2017 with a vision of healthy India, free from malnutrition, where individuals and communities can attain their true potential. The mission is to develop a center for excellence and relevance in clinical and public health nutrition, focusing in research, innovation, capacity building and advocacy.

Within a short span of two years CNS has developed linkages and partnerships with the UNICEF, University of Tampere and National Institute of Health and Welfare (Finland), McGill International TB Centre, (Canada), Karolinska Institute (Stockholm), Central TB Division (New Delhi), National Institute of Nutrition (Hyderabad), National Centre for Excellence and Advanced Research in Diet (NCEARD), Lady Irwin College (New Delhi), St John's Research Institute (Bangalore) and National Institute of Research in Tuberculosis (NIRT, Chennai).

Apart from several national and international research publications in high impact journals and book chapters, the faculty here led the writing group of the Guidance Document: Nutrition Care and Support for patients with Tuberculosis in India for Government of India. Moreover, a mobile app, the N-TB app to simplify this care was also developed which is now endorsed and recommended by the Revised National Tuberculosis Programme and WHO India. It was formally launched along with other governmental initiatives by Prime Minister Shree Narendra Modi at the End TB Summit, New Delhi in 2018.


Presently CNS is involved in following major activities:

1. Maternal Nutrition guidelines at National Level along with NCEARD, UNICEF and MoHFW.
2. Short Course on Nutritional Assessment Techniques with support from UNICEF.
3. Organizing trainings in Literature Search and Reference Management
4. Re-analysis of adolescent nutrition indicators of NFHS-3 and NFHS-4 and adolescent tuberculosis.
5. Development of the TB-risk factor map of India
6. The RATIONS (Reducing Activation of Tuberculosis by Improvement of Nutritional Status) study: A cluster randomized trial of nutritional support (food rations) to reduce TB incidence in household contacts of patient with smear positive pulmonary tuberculosis in communities with a high prevalence of undernutrition. The trial is being conducted in Jharkhand with support from ICMR and is being done in collaboration with National Institute of Research in TB (NIRT, Chennai), NIN (Hyderabad), EKJUT (Jharkhand) and State TB Cell. Dr Anurag Bhargava from CNS is the Principal Investigator.

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Head, Center for Nutrition Studies  
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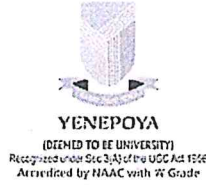


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**Central diagnostic  
laboratory  
Yenepoya medical college  
and hospital**



## YENEPOYA (DEEMED TO BE UNIVERSITY)

### Central Laboratory details

#### NUMBER OF LAB TEST CONDUCTED IN THE YEAR 2020

PATHOLOGY	BIOCHEMISTRY	MICROBIOLOGY
16,96,228	556249	207759

- 1.Sample collection:42.02 sqm
- 2.Clinical Biochemistry:43.19 sqm
- 3.Clinical hematology:46.95 sqm
- 4.Cytopathology:36.64 sqm
- 5.Clinical path:17.94 sqm
- 6.Serology:17.17 sqm
- 7.Molecular labL:48.28 sqm
- 8.Clinical Microbiology:24.90 sqm

**Total Area : 277.09 sqm**

*Dr. Indira S.*  
Laboratory Director  
Yenepoya Medical College Hospital Laboratory  
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## CENTRAL DIAGNOSTIC LABORATORY

BME ASSET ID	EQUIPMENT NAME	DEPARTMENT / LOCATION	MAKE	MODEL	SERIAL NO
YMC-BME-0100	Centrifuge	Central Lab	Remi		
YMC-BME-0101	Cyto Centrifuge	Central Lab	THARMAC	Cell Spin 1	1206-14
YMC-BME-0123	Binocular Microscope	Central Lab	Olympus	CH20i	8K15576
YMC-BME-0127	Binocular Microscope	Central Lab	Lawrence and Mayo	XSZ-N207	I10I005
YMC-BME-0140	Binocular Microscope	Central Lab	Olympus	CH20i	13C1064
YMC-BME-0144	Incubator	Central Lab	Rotek	RIM1BHD	13133
YMCH-BME-0278	Coagulometer	Central Lab	Trinity Biotech	KC4 Delta	09N61018
YMCH-BME-0287	Binocular Microscope	Central Lab	olympus	CH20i	110F036
YMCH-BME-0567	Automatic Bio-chemistry Analyser	Central Lab	Erba Diagnostics, Germany	Chem-7	N130948
YMCH-BME-0568	Elisa Washer	Central Lab	Erba Mannheim, Germany	Erba Wash Scan EM	130743
YMCH-BME-0569	Elisa Reader	Central Lab	Erba Mannheim, Germany	Erba Lisa Scan EM	130908
YMCH-BME-0611	Binocular Microscope	Central Lab	Olympus	CH-20i	13B009
YMCH-BME-0612	Binocular Microscope	Central Lab	Olympus	CH20i	13A830

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De P. D. K. S. - S  
Laboratory Director  
Yenepoya Medical College Hospital Laboratory  
Deralakatte, Mangalore-575018



YMCH-BME-0630	Binocular Microscope	Central Lab	Olympus	CH20i	14G07104
YMCH-BME-0631	Binocular Microscope	Central Lab	Olympus	CH20i	14G07105
YMCH-BME-0643	Incubator	Central Lab	Rotek Laboratory Instruments, India	RIM-18HDFSS	1529
YMCH-BME-0644	Binocular Microscope	Central Lab	Olympus	CH20i	13A826
YMCH-BME-0646	Urine Analyser	Central Lab	Roche	Cobas U 411	6785
YMCH-BME-0647	Automated Immunoassay System	Central Lab	Biomerieux	Mini Vidas	IVD5203901
YMCH-BME-0649	Fully Automated Chemistry Analyser	Central Lab	Ortho Clinical Diagnostics	VITROS 5600	56002267
YMCH-BME-0654	Blood Culture System	Central Lab	BD	BACTEC 9120	UB-5635
YMCH-BME-0655	ESR System	Central Lab	Diesse	VES MATIC CUBE 30	722
YMCH-BME-0666	Automated microbiology system	Central Lab	Beckton Dickison	phoenix-100	PX2537
YMCH-BME-0685	Biosafety Cabinet	Central Lab	Excel Scientific	class II	ES/00168/15
YMCH-BME-0686	Paralens with microscope	Central Lab	QBC Diagnostics USA, Olympus India	Paralens, Magnus	101253, 14D0151
YMCH-BME-	Benchtop Blood Gas Analyser	Central Lab	Radiometer Medical	ABL 800	754R2020N004

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*Aravind*  
**Dr. Indira S**  
 Laboratory Director  
 Yenepoya Medical College Hospital Laboratory  
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0693

YMC-BME-0808	Cyclomixer	Central Lab	REMI	CM101	HFCM-1327
YMCH-BME-0917	Binocular Microscope	Central Lab	Olympus	CH20i	15C0432
YMCH-BME-0918	Binocular Microscope	Central Lab	Olympus	CH20i	15C0433
YMCH-BME-0919	Nephelometer	Central Lab	BD	Phoenix-spe	1308000006
YMC-BME-0945	Fluorescent Microscope	Central Lab	Medsorce Ozone Biomedicals Pvt. Ltd.	Ayrus Epi	1702419
YMCH-BME-0955	Biosafety Cabinet	Central Lab	Excel Sceintific	class II	218/16
YMCH-BME-1004	Cyclomixer	Central Lab	REMI	CM101	2BK5-30426
YMCH-BME-1019	Centrifuge	Central Lab	REMI	R-8CBL	ZCIN-26808
YMCH-BME-1021	Centrifuge	Central Lab	REMI	R-8CBL	ZCIN-26828
YMCH-BME-1085	Binocular Microscope	Central Lab	Olympus	CH20i	17D0454
YMCH-BME-1154	Binocular Microscope	Central Lab	Olympus	CH20i	17D0205
YMCH-BME-1174	Microcentrifuge	Central Lab	REMI	RM12C-BL	ZDHN21294
YMCH-BME-1263	Binocular Microscope	Central Lab	Olympus	CH20i	17F0556
YMCH-BME-1294	Centrifuge	Central Lab	REMI	R-8CBL	ZEBN-08206

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Deralakatte, Mangalore-575018

YMCH-BME-1301	Binocular Microscope	Central Lab	Olympus	CH20i	17D0228
YMCH-BME-1310	Haemoglobin (HBA1C) Testing System	Central Lab	Biorad	D-10	DJ7F210601
YMCH-BME-1345	Benchtop Blood Gas Analyser	Central Lab	Radiometer Medical	ABL 800 BASIC	754R2536N0017
YMCH-BME-1358	Turbidimetry & Nephelometer	Central Lab	Turbodyne SC	18650	P15070494
YMCH-BME-1373	Fully Automated Chemistry Analyser	Central Lab	Ortho Clinical Diagnostics	VITROS 5600	56001261
YMCH-BME-1381	Blood Mixer (Roller)	Central Lab	SD Scientific	1524	18012171
YMCH-BME-1445	6-part Hematology Analyser	Central Lab	Transasia - Erba Mannheim	XN-1000	28500
YMCH-BME-1446	6-part Hematology Analyser	Central Lab	Transasia - Erba Mannheim	XN-1000	28502
YMCH-BME-1527	Full Automated Coagulation Analyser	Central Lab	Trinity Biotech	Destiny Plus	16H11802
YMCH-BME-1599	Blood Mixer (Roller)	Central Lab	SD Scientific	1524	18012174

**ATTESTED**

*Up*

**Dr.Gangadhara Somayaji K.S.**  
Registrar  
Yenepoya(Deemed to be University)  
University Road, Deralakatte  
Mangalore-575 018, Karnataka

*Dr. Indira S.*  
Laboratory Director  
Yenepoya Medical College Hospital Laboratory  
Deralakatte, Mangalore-575 018

VIROLOGY LAB					
BME ASSET ID	EQUIPMENT NAME	DEPARTMENT / LOCATION	MAKE	MODEL	SERIAL NO
YMCH-BME-0251	Autoclave Vertical	Waste Management Room	Rotek		1297
YMCH-BME-1662	RT PCR (Thermal cycler) machine	Virology lab	Biorad	CFX96TMD X	787BR11425
YMCH-BME-1619	Micro Centrifuge (Aerosol tight rotor 24x1.5/2ml)	Virology lab	Eppendorf	5425	
YMCH-BME-1620	Mini centrifuge	Virology lab	IKA	IKA mini 3958000	6.221096
YMCH-BME-1734	Deep Freezer (-80degrees)	Virology lab	Thermoscientific	902GPULTS	300214521

*Dr. J. D. K. S.*  
 Laboratory Director  
 Yenepoya Medical College Hospital Laboratory  
 Deralakatte, Mangalore-575018

**ATTESTED**

*[Signature]*  
**Dr. Gangadhara Somayaji K.S.**  
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 University Road, Deralakatte  
 Mangalore-575 018, Karnataka

Form 26-G  
(See Rule 122-F)

KTK/26G - 04/2017-22

CERTIFICATE OF RENEWAL OF LICENCE TO OPERATE A BLOOD BANK FOR PROCESSING OF WHOLE HUMAN BLOOD AND/OR\* FOR PREPARATION FOR SALE OR DISTRIBUTION OF ITS COMPONENTS.

1. Certified that licence number: KTK/28C-257/2013 granted on 30/3/2013 for M/S. YENEPOYA MEDICAL COLLEGE HOSPITAL HOSPITAL BLOOD BANK for the operation of a Blood Bank for processing of Whole Human Blood I.P &/or for Preparation of its Components at the premises situated at YENEPOYA MEDICAL COLLEGE HOSPITAL, NITHYANANDA NAGARA, UNIVERSITY ROAD, DERALAKATTE, MANGALURU - 575 018 is hereby renewed with effect from 01/04/2017 TO 31/03/2022.

2. Name(s) of the items(s)


- Whole Human Blood IP
- Fresh Frozen Plasma IP
- Concentrated Human RBC IP
- Platelet Concentrate IP
- Cryoprecipitate USP

3. Name(s) of competent Technical Staff.

- |                                  |   |                      |
|----------------------------------|---|----------------------|
| ➤ Dr. Krishnaraj Upadhyaya       | - | Medical Officer      |
| ➤ Dr. Mohamed Hafeezulla Shariff | - | Medical Officer      |
| ➤ Dr. Shashidhar M R             | - | Medical Officer      |
| ➤ Smt. Concepta D'Souza          | - | Technical Supervisor |
| ➤ Smt. Prameela D'Souza          | - | Lab Technician       |
| ➤ Smt. Raziya                    | - | Lab Technician       |
| ➤ Smt. Arya Raveendran           | - | Lab Technician       |
| ➤ Smt. Shani P Shaji             | - | Lab Technician       |
| ➤ Smt. Keerthana Sukumaran       | - | Lab Technician       |
| ➤ Smt. Athira Chandran           | - | Lab Technician       |
| ➤ Smt. Nayana K G                | - | Lab Technician       |
| ➤ Smt. Smitha P R                | - | Lab Technician       |
| ➤ Smt. Vilasini                  | - | Registered Nurse     |

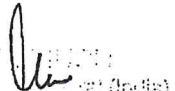
Date: 25/07/2017

**ATTESTED**

  
Dr. Gangadhara Somayaji K.S.  
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(BHAGOJI T. KHANAPURE)  
DRUGS CONTROLLER  
& Licensing Authority

  
Central Licence Approving Authority



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** YENEOYA MEDICAL COLLEGE HOSPITAL LABORATORY, NITHYANANDA NAGAR,  
DERLAKATTE, MANGALURU, KARNATAKA, INDIA


**Accreditation Standard** ISO 15189:2012

**Certificate Number** MC-2002 **Page No** 1 of 16

**Validity** 27/02/2019 to 26/02/2022 **Last Amended on** 05/05/2020

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CLINICAL BIOCHEMISTRY	Arterial Blood Heparin	PO2	ISE Direct
2	CLINICAL BIOCHEMISTRY	Arterial Blood Heparin	Base Excess	Calculated
3	CLINICAL BIOCHEMISTRY	Arterial Blood Heparin	Oxygen saturation	Co-oxymeter
4	CLINICAL BIOCHEMISTRY	Arterial Blood Heparin	PCO2	ISE Direct
5	CLINICAL BIOCHEMISTRY	Arterial Blood Heparin	pH	ISE Direct
6	CLINICAL BIOCHEMISTRY	Plasma Heparin /Floride	Glucose	GOD/ POD
7	CLINICAL BIOCHEMISTRY	Plasma Heparin /Floride	Magnesium	Cynoformazan Dye
8	CLINICAL BIOCHEMISTRY	Plasma Heparin /Serum	Alkaline Phosphatase	PNPP, AMP BUFFER
9	CLINICAL BIOCHEMISTRY	Plasma Heparin /Serum	Uric Acid	Colorimetric, Uricase
10	CLINICAL BIOCHEMISTRY	Plasma Heparin/ Fluoride	Glucose Challenge Test	GOD/ POD
11	CLINICAL BIOCHEMISTRY	Plasma Heparin/ Fluoride	Glucose Challenge Test(DIPSI)	GOD/ POD
12	CLINICAL BIOCHEMISTRY	Plasma Heparin/ Fluoride	Glucose Tolerance Test	GOD/POD Urine Glucose: Dipstick
13	CLINICAL BIOCHEMISTRY	Plasma Heparin/ Serum	Alanine Transaminase	Kinetic P5P
14	CLINICAL BIOCHEMISTRY	Plasma Heparin/ Serum	Alpha Feto Protein	CLIA
15	CLINICAL BIOCHEMISTRY	Plasma Heparin/ Serum	Amylase	Amylopectin Colorimetric
16	CLINICAL BIOCHEMISTRY	Plasma Heparin/ Serum	Asparate Transaminase	Kinetic P5P
17	CLINICAL BIOCHEMISTRY	Plasma Heparin/ Serum	Bilirubin (Direct)	Calculated
18	CLINICAL BIOCHEMISTRY	Plasma Heparin/ Serum	Calcium (Total)	Arsenazo III Dye
19	CLINICAL BIOCHEMISTRY	Plasma Heparin/ Serum	Carbon Dioxide	Biochemical
20	CLINICAL BIOCHEMISTRY	Plasma Heparin/ Serum	Carcinoma Antigen (125) (CA 125)	CLIA

**ATTESTED**

  
**Dr. Gangadhara Somayaji K.S.**  
Registrar  
Yenepoya (Deemed to be University)  
University Road, Derlakatte  
Mangalore-575 018, Karnataka

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# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

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**Certificate Number** MC-2002 **Page No** 2 of 16

**Validity** 27/02/2019 to 26/02/2022 **Last Amended on** 05/05/2020

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21	CLINICAL BIOCHEMISTRY	Plasma Heparin/ Serum	Carcinoma Embryonic Antigen (CEA)	CLIA
22	CLINICAL BIOCHEMISTRY	Plasma Heparin/ Serum	Chloride	ISE Direct
23	CLINICAL BIOCHEMISTRY	Plasma Heparin/ Serum	Cholesterol LDL	Calculated
24	CLINICAL BIOCHEMISTRY	Plasma Heparin/ Serum	Cholesterol Total	Enzymatic
25	CLINICAL BIOCHEMISTRY	Plasma Heparin/ Serum	Cholesterol VLDL	Calculated
26	CLINICAL BIOCHEMISTRY	Plasma Heparin/ Serum	Cortisol	CLIA
27	CLINICAL BIOCHEMISTRY	Plasma Heparin/ Serum	Creatinine Kinase	Enzymatic
28	CLINICAL BIOCHEMISTRY	Plasma Heparin/ Serum	Follicle Stimulating Hormone (FSH)	Enzyme Linked Fluorescent Assay - ELFA
29	CLINICAL BIOCHEMISTRY	Plasma Heparin/ Serum	Free Triiodothyronine (FT3)	CLIA
30	CLINICAL BIOCHEMISTRY	Plasma Heparin/ Serum	Gamma Glutamyl Transferase	Biochemical
31	CLINICAL BIOCHEMISTRY	Plasma Heparin/ Serum	Globulin	Calculated
32	CLINICAL BIOCHEMISTRY	Plasma Heparin/ Serum	Human Chorionic Gonadotropin	CLIA
33	CLINICAL BIOCHEMISTRY	Plasma Heparin/ Serum	Lactate	Colorimetric
34	CLINICAL BIOCHEMISTRY	Plasma Heparin/ Serum	Lactate Dehydrogenase	Enzymatic
35	CLINICAL BIOCHEMISTRY	Plasma Heparin/ Serum	Lipase	Enzymatic with colipase
36	CLINICAL BIOCHEMISTRY	Plasma Heparin/ Serum	Luteinising Hormone	Enzyme Linked Fluorescent Assay - ELFA
37	CLINICAL BIOCHEMISTRY	Plasma Heparin/ Serum	Phosphorous	Phosphomolybdate Reduction
38	CLINICAL BIOCHEMISTRY	Plasma Heparin/ Serum	Potassium	ISE Direct

**ATTESTED**

  
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**Certificate Number** MC-2002 **Page No** 3 of 16

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39	CLINICAL BIOCHEMISTRY	Plasma Heparin/ Serum	Prostate Specific Antigen, Total	CLIA
40	CLINICAL BIOCHEMISTRY	Plasma Heparin/ Serum	Protein, Total	Biuret
41	CLINICAL BIOCHEMISTRY	Plasma Heparin/ Serum	Testosterone	Enzyme Linked Fluorescent Assay - ELFA
42	CLINICAL BIOCHEMISTRY	Plasma Heparin/ Serum	Total Thyroxine (TT4)	CLIA
43	CLINICAL BIOCHEMISTRY	Plasma Heparin/ Serum	Triglyceride	Enzymatic
44	CLINICAL BIOCHEMISTRY	Plasma Heparin/ Serum	Troponin I	CLIA
45	CLINICAL BIOCHEMISTRY	Plasma Heparin/ Serum	Urea	Colorimetric, Urease
46	CLINICAL BIOCHEMISTRY	Plasma Heparin/Serum	Albumin	BCG Method
47	CLINICAL BIOCHEMISTRY	Plasma Heparin/Serum	Bilirubin (Total)	Diphylline, Diazonium Salt
48	CLINICAL BIOCHEMISTRY	Plasma Heparin/Serum	Carcinoma Antigen 19-9 (CA 19-9)	CLIA
49	CLINICAL BIOCHEMISTRY	Plasma Heparin/Serum	Prolactin	Enzyme Linked Fluorescent Assay- ELFA
50	CLINICAL BIOCHEMISTRY	Plasma Heparin/Serum	Prostate Specific Antigen, Free	CLIA
51	CLINICAL BIOCHEMISTRY	Plasma Heparin/Serum	Sodium	ISE Direct
52	CLINICAL BIOCHEMISTRY	Plasma Heparin/Serum	Thyroid Stimulating Hormone	CLIA
53	CLINICAL BIOCHEMISTRY	Plasma Heparin/Serum	Thyropoxidase Auto Antibodies	ELFA (Enzyme Linked Fluorescent Assay)
54	CLINICAL BIOCHEMISTRY	Plasma Heparin/Serum	Total Triiodothyronine (TT3)	CLIA
55	CLINICAL BIOCHEMISTRY	Plasma/ Heparin/Serum	Albumin/Globulin Ratio	Calculated

ATTESTED

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Mangalore-575 018, Karnataka

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# National Accreditation Board for Testing and Calibration Laboratories

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56	CLINICAL BIOCHEMISTRY	Plasma/ Heparin/Serum	Bilirubin (Indirect)	End Point Colorimetric
57	CLINICAL BIOCHEMISTRY	Plasma/ Heparin/Serum	Cholesterol HDL	Colorimetric Method
58	CLINICAL BIOCHEMISTRY	Plasma/ Heparin/Serum	Creatinine	Enzymatic
59	CLINICAL BIOCHEMISTRY	Plasma/ Heparin/Serum	Ferritin	CLIA
60	CLINICAL BIOCHEMISTRY	Serum	Free Thyroxine (FT4)	CLIA
61	CLINICAL BIOCHEMISTRY	Serum	Lithium	Crown -Ether Azo Dye
62	CLINICAL BIOCHEMISTRY	Serum	Vitamin B12	CLIA
63	CLINICAL BIOCHEMISTRY	Serum	Vitamin D	CLIA
64	CLINICAL BIOCHEMISTRY	Urine	Creatinine	Enzymatic
65	CLINICAL BIOCHEMISTRY	Whole Blood EDTA	Glycated Haemoglobin	HPLC
66	CLINICAL PATHOLOGY	CSF	Analysis I) Macroscopy - Appearance ii) Microscopy - Cell Count & Cell Type	Manual Method
67	CLINICAL PATHOLOGY	CSF, Pleural Fluid, Peritoneal Fluid, Pericardial Fluid, Synovial Fluid, Body Fluid	Cell Type	Flow Cytometry / Microscopy :
68	CLINICAL PATHOLOGY	CSF, Pleural Fluid, Peritoneal Fluid, Pericardial Fluid, Synovial Fluid, Body Fluid	Cell Count	Flow Cytometry / Microscopy
69	CLINICAL PATHOLOGY	Semen	Appearance	Macroscopy

ATTESTED

  
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Mangalore-575018, Karnataka

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# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** YENEPOYA MEDICAL COLLEGE HOSPITAL LABORATORY, NITHYANANDA NAGAR,  
DERLAKATTE, MANGALURU, KARNATAKA, INDIA


**Accreditation Standard** ISO 15189:2012

**Certificate Number** MC-2002 **Page No** 5 of 16

**Validity** 27/02/2019 to 26/02/2022 **Last Amended on** 05/05/2020

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70	CLINICAL PATHOLOGY	Semen	Count	Microscopy - Neubauer's Chamber & Semen Diluting Fluid
71	CLINICAL PATHOLOGY	Semen	Fructose Test	Chemical
72	CLINICAL PATHOLOGY	Semen	Liquifaction Time	Observation
73	CLINICAL PATHOLOGY	Semen	Morphology	Microscopy
74	CLINICAL PATHOLOGY	Semen	Motility	Microscopy - Observation :
75	CLINICAL PATHOLOGY	Semen	pH	Litmus Paper
76	CLINICAL PATHOLOGY	Semen	Viscosity	Pipette
77	CLINICAL PATHOLOGY	Semen	Volume	Pipette & Measuring Cylinder Of 10 mL
78	CLINICAL PATHOLOGY	Stool	pH	Strip Reagent / Litmus
79	CLINICAL PATHOLOGY	Stool	Appearance - I) Color li) Consistency lii) Mucus	Macroscopy
80	CLINICAL PATHOLOGY	Stool	Microscopy - I} Parasites li) Cells lii) Fat Globules	Microscopy
81	CLINICAL PATHOLOGY	Stool	Reducing Substance	Benedicts Method
82	CLINICAL PATHOLOGY	Stool	Stool Occult Blood	Standard Guaiac Method
83	CLINICAL PATHOLOGY	Urine	Macroscopy I) Appearance li) Color	Macroscopic - Observation
84	CLINICAL PATHOLOGY	Urine	Microscopy - I) Cells, li) Casts lii) Crystals Iv) Any Other Finding	Microscopy

ATTESTED

  
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Mangalore-575 018, Karnataka



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

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**Validity** 27/02/2019 to 26/02/2022 **Last Amended on** 05/05/2020

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
85	CLINICAL PATHOLOGY	Urine	Routine Analysis	Chemical Automated Strip Reader / Manual Method.A Protein - Automated / Heat & Acetic Acid Test. B Glucose - Automated / Strip (GOD-POD) / Benedicts Method. C pH - Automated / Litmus Paper D. Specific Gravity - Automated / Urinometer E. Blood - Automated / Benzidine Test. F. Bilirubin - Automated. G. Urobilinogen - Automated / Ehrlich's Reagent Test H. Ketone Bodies - Automated / Rothera's Test. I. Nitrite - Automated
86	CLINICAL PATHOLOGY	Urine	Urine Pregnancy Test	Rapid Membrane Chromatography
87	CYTOPATHOLOGY	As obtained from palpable and non-palpable lesions in the body	Fine Needle Aspiration Cytology (FNAC)	Smear Preparation; Pap And Leishman's Stained Smears. Microscopic Study And Reporting Of The Same With Recommendations (If Any)

ATTESTED

  
Dr. Gangadhara Somayaji K.S.  
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University Road, Derlakatte  
Mangalore-575 018, Karnataka



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**Certificate Number** MC-2002 **Page No** 7 of 16

**Validity** 27/02/2019 to 26/02/2022 **Last Amended on** 05/05/2020

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
88	CYTOPATHOLOGY	Body Fluids (Ascitic Fluid, Pleural Fluid, Peritoneal Fluid, Pericardial Fluid And Synovial Fluid), Urine, CSF	Exfoliative Cytological Analysis	Centrifuged Deposit Smears. Smear Preparation: Air Dried And Wet. Stain: PAP/ Leishman's Stain. Microscopic Study
89	CYTOPATHOLOGY	Scrapings From Bullous Skin Lesions	Tzanck Smear Study	Scrapes From Deroofed Blisters Collected Along With Fluid Smears (Air Dried). Leishman's Stain. Microscopic Study
90	CYTOPATHOLOGY	Slide with stained smear	review of slides	Microscopic study
91	CYTOPATHOLOGY	Smears From Ectocervix/ Endocervix/ Vagina	Conventional Pap Smear Study/ Liquid Based Cytology	Obtaining Material From Representative Sites Specified Using Spatula And /Or Cytobrush Preparation. Fixation Of Pap Staining. Microscopic Study And Reporting Of The Same With Recommendations (If Any) :
92	CYTOPATHOLOGY	Tissue Smear	Imprint Smear Study	H & E Stain and Special Stains Like PAS/AFB etc Wherever Required. Microscopic Study And Reporting Of The Same With Recommendations (If Any)
93	HAEMATOLOGY & IMMUNOHAEMATOLOGY	Blood	Blood Grouping	Tube Method - Forward & Reverse Method

  
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**Laboratory Name :** YENEPLOYA MEDICAL COLLEGE HOSPITAL LABORATORY, NITHYANANDA NAGAR, DERLAKATTE, MANGALURU, KARNATAKA, INDIA

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**Certificate Number** MC-2002 **Page No** 8 of 16

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
94	HAEMATOLOGY & IMMUNOHAEMATOLOGY	Bone Marrow Smears / Aspirate	Bone Marrow Slide Study	Staining with leishman stain and other relevant stains PAS, MPO, SUDAN BLACK, PERLS stain and Microscopic evaluation
95	HAEMATOLOGY & IMMUNOHAEMATOLOGY	Plasma Citrate	Partial Thromboplastin Time (PTT)	Semi automated mechanical clot detection system
96	HAEMATOLOGY & IMMUNOHAEMATOLOGY	Plasma Citrate	Prothrombin Time	Semi-Automated Mechanical Clot Detection System
97	HAEMATOLOGY & IMMUNOHAEMATOLOGY	Serum	Coombs - Indirect	Gel Method
98	HAEMATOLOGY & IMMUNOHAEMATOLOGY	Whole Blood - EDTA	Differential WBC Count - Neutrophil %, Lymphocyte %, Eosinophil %, Monocyte %, Basophil %, Blast %, Promyelocyte %, Myelocyte %, Metamyelocyte %, Band Forms %, Lymphoid Cells %	Flow Cytometry
99	HAEMATOLOGY & IMMUNOHAEMATOLOGY	Whole Blood - EDTA	ESR	Automated ESR - Micromethod
100	HAEMATOLOGY & IMMUNOHAEMATOLOGY	Whole Blood - EDTA	Filarial Parasite	Microscopy
101	HAEMATOLOGY & IMMUNOHAEMATOLOGY	Whole Blood - EDTA	Filarial Parasite	QBC (Quantitative Buffy Coat) Method

**ATTESTED**

Dr. Gangadhara Somayaji K.S.  
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University Road, Derlakatte  
Mangalore - 575 018, Karnataka

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# National Accreditation Board for Testing and Calibration Laboratories

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**Certificate Number** MC-2002 **Page No** 9 of 16

**Validity** 27/02/2019- 26/02/2022 **Last Amended on** 05/02/2020

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
102	HAEMATOLOGY & IMMUNOHAEMATOLOGY	Whole Blood - EDTA	Hemoglobin	Sodium Lauryl Sulphate Method
103	HAEMATOLOGY & IMMUNOHAEMATOLOGY	Whole Blood - EDTA	Malarial Parasite	Microscopy - P. Vivax, P.Falciparum, P.Ovale, P.Malariae
104	HAEMATOLOGY & IMMUNOHAEMATOLOGY	Whole Blood - EDTA	Malarial Parasite	QBC (Quantitative Buffy Coat) Method - P.Vivax ,P.Falciparum
105	HAEMATOLOGY & IMMUNOHAEMATOLOGY	Whole Blood - EDTA	Mean Corpuscular Hemoglobin (MCH)	Calculated From Hemoglobin & RBC Count
106	HAEMATOLOGY & IMMUNOHAEMATOLOGY	Whole Blood - EDTA	Mean Corpuscular Hemoglobin Concentration (MCHC)	Calculated From Haemoglobin & PCV
107	HAEMATOLOGY & IMMUNOHAEMATOLOGY	Whole Blood - EDTA	Mean Corpuscular Volume (MCV)	Calculated Directly From RBC Histogram
108	HAEMATOLOGY & IMMUNOHAEMATOLOGY	Whole Blood - EDTA	Mean Platelet Volume- (MPV)	Calculated Directly From Platelet Histogram
109	HAEMATOLOGY & IMMUNOHAEMATOLOGY	Whole Blood - EDTA	Packed Cell Volume (PCV)	Electrical Impedance Method
110	HAEMATOLOGY & IMMUNOHAEMATOLOGY	Whole Blood - EDTA	Platelet Count	Electrical Impedance
111	HAEMATOLOGY & IMMUNOHAEMATOLOGY	Whole Blood - EDTA	RBC Count	Electrical Impedance
112	HAEMATOLOGY & IMMUNOHAEMATOLOGY	WHOLE BLOOD - EDTA	RDW-CV	Calculated
113	HAEMATOLOGY & IMMUNOHAEMATOLOGY	Whole Blood - EDTA	Reticulocyte Count	Supravital Staining , Smear Study

ATTESTED

Dr.Gangadhara Somayaji K.S.  
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## SCOPE OF ACCREDITATION

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DERLAKATTE, MANGALURU, KARNATAKA, INDIA

**Accreditation Standard** ISO 15189:2012

**Certificate Number** MC-2002 **Page No** 10 of 16

**Validity** 27/02/2019 to 26/02/2022 **Last Amended on** 05/05/2020

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
114	HAEMATOLOGY & IMMUNOHAEMATOLOGY	Whole Blood - EDTA	Sicking Test	Microscopy - Sodium Meta Bisulphate
115	HAEMATOLOGY & IMMUNOHAEMATOLOGY	Whole Blood - EDTA	Total Leucocyte Count	Flow Cytometry
116	HAEMATOLOGY & IMMUNOHAEMATOLOGY	Whole Blood - EDTA / Smear	Peripheral Smear Examination	Manual Staining & Microscopy
117	HAEMATOLOGY & IMMUNOHAEMATOLOGY	Whole Blood - EDTA /Heparin	Coombs-Direct	Gel Method
118	HAEMATOLOGY & IMMUNOHAEMATOLOGY	Whole Blood - Heparin	Osmotic Fragility	Manual
119	HAEMATOLOGY & IMMUNOHAEMATOLOGY	Whole Blood EDTA	Absolute Eosinophil Count	Flow Cytometry Method/ Microscopy :
120	HAEMATOLOGY & IMMUNOHAEMATOLOGY	Whole Blood EDTA	Absolute Neutrophil Count	Flow Cytometry Method / Microscopy
121	HISTOPATHOLOGY	Paraffin Block From Processed Tissue	Review of Histopathology Report	Cutting and staining
122	HISTOPATHOLOGY	Section From Paraffin Embedded Tissue For IHC	ER PR Her-2 CD45 VIMENTIN CD117 DESMIN HMB 45 S 100	Antigen Retrieval Incubation With Specific Primary Antibody, Secondary Antibody And Colour Development With Chromogen. Manual Method. Microscopic Study Of Stained Slide To Assess Localisation And Intensity Of Stain
123	HISTOPATHOLOGY	Section From Paraffin Embedded Tissue For Special Stain	PAS PERL'S STAIN AFB MPO FITE FARACCO	Microscopic Study

ATTESTED

  
Dr. Gangadhara Somayaji K.S.  
Registrar  
Yenepoya (Deemed to be University)  
University Road, Derlakatte  
Mangalore - 575 018, Karnataka

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# National Accreditation Board for Testing and Calibration Laboratories

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**Certificate Number** MC-2002 **Page No** 11 of 16

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
124	HISTOPATHOLOGY	Slide with unstained /stained section	Review of histopathology report	Microscopic Study
125	HISTOPATHOLOGY	Small And Large Biopsies In Formalin	HPE Reporting	Fixation And Automated Tissue Processing :
126	HISTOPATHOLOGY	Unfixed Tissue/ Biopsy	Unfixed Tissue/ Biopsy	Cryostat Sections, H& E Staining And Microscopic Study
127	MICROBIOLOGY & SEROLOGY	Blood	Fungal Culture (Candida Spp)	Incubation In Nonradiometric Instrument. Culture On SDA Slants. Identification By Colony Characters And Microscopy :
128	MICROBIOLOGY & SEROLOGY	Blood In Culture Broth	Aerobic Culture And Antibiotic Sensitivity	Incubation In Non Radiometric Instrument. Culture On Basic Media Plates, Identification And Sensitivity By: Rapid Id By Advanced Colorimetric Method And Susceptibility Testing By Transmittance Reading :
129	MICROBIOLOGY & SEROLOGY	Blood In Culture Broth	Aerobic Culture And Antibiotic Sensitivity	Incubation In Non Radiometric Instrument. Culture On Basic Media Plates, Identification By: Biochemical Reactions And Ast By Kirby Bauer Disk Diffusion Method
130	MICROBIOLOGY & SEROLOGY	CSF	Cryptococcus	India ink preparation

ATTESTED

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**Certificate Number** MC-2002 **Page No** 12 of 16

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
131	MICROBIOLOGY & SEROLOGY	Hair, Nail Skin, And Corneal Scrapings, Body Fluids, Sputum, CSF	Fungal Culture	Culture On Sabouraud's Dextrose Agar And Identification By Colony Characters And Microscopy
132	MICROBIOLOGY & SEROLOGY	Hair, Nail, Skin And Corneal Scrapings, Body Fluids, Sputum, CSF	Fungal Smear	Wet Mount
133	MICROBIOLOGY & SEROLOGY	Pus , Serous Fluids, CSF, Sputum, Wound Swab, Vaginal Swab, Urethral Discharge	Gram Stain	Microscopy
134	MICROBIOLOGY & SEROLOGY	Pus, Tissue, Body Fluids, Blood	Anaerobic Culture	Culture In Rcm Broth And Blood Agar And Chocolate Agar Plates. Incubation In Mcintosh Filde's Jar With Anaerogas Pack.:
135	MICROBIOLOGY & SEROLOGY	Serum	Ana Profile Antibodies Against: nRNP/Sm Sm SS-A Ro-52 SS-B Scl 70 Jo-1 CENP B PCNA dsDNA NUCLEOSOMES HISTONES Rib P-Prot 1 AMA-M2 Mi-2 Ku PO	Immunoblot
136	MICROBIOLOGY & SEROLOGY	Serum	ANCA (cANCA/ pANCA)	Indirect Immunoflorescence
137	MICROBIOLOGY & SEROLOGY	Serum	Brucella IGM Antibodies FOR B.Abortus & B. Melitensis	Tube Agglutination

**ATTESTED**

**Dr. Gangadhara Somayaji K.S.**  
Registrar

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Mangalore-575018, Karnataka

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# National Accreditation Board for Testing and Calibration Laboratories

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
138	MICROBIOLOGY & SEROLOGY	Serum	Complement 3 (C3)	Turbidimetry / Nephelometry
139	MICROBIOLOGY & SEROLOGY	SERUM	Complement 4 (C4)	Turbidimetry / Nephelometry
140	MICROBIOLOGY & SEROLOGY	Serum	Dengue IGG Antibody	ELISA
141	MICROBIOLOGY & SEROLOGY	Serum	Dengue IGM Antibody	ELISA
142	MICROBIOLOGY & SEROLOGY	Serum	IIFT Antinuclear Antibody	Indirect Immunofluorescence
143	MICROBIOLOGY & SEROLOGY	Serum	Immunoglobulin A	Turbidimetry/Nephelometry
144	MICROBIOLOGY & SEROLOGY	SERUM	Immunoglobulin E	Turbidimetry
145	MICROBIOLOGY & SEROLOGY	Serum	Immunoglobulin G	Turbidimetry/Nephelometry
146	MICROBIOLOGY & SEROLOGY	Serum	Leptospira IGM Antibody	ELISA
147	MICROBIOLOGY & SEROLOGY	Serum	Scrub Typhus IgM	ELISA
148	MICROBIOLOGY & SEROLOGY	Serum	Western Blot	Immunoblotting
149	MICROBIOLOGY & SEROLOGY	Serum	Widal	Tube Agglutination
150	MICROBIOLOGY & SEROLOGY	Serum/ Plasma	Anti Cyclic Citrullinated Peptide Antibody (ANTI-CCP)	ELISA

ATTESTED

Dr. Gangadhara Somayaji K.S.  
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Mangalore-575 018, Karnataka

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# National Accreditation Board for Testing and Calibration Laboratories

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
151	MICROBIOLOGY & SEROLOGY	Serum/ Plasma	Anti Hepatitis A Virus Antibody (Anti-HAV-IgM)	ELFA
152	MICROBIOLOGY & SEROLOGY	Serum/ Plasma	Dengue NS1 Antigen, IGM, IGG Antibody	Immunochromatography
153	MICROBIOLOGY & SEROLOGY	Serum/ Plasma	HIV Coomb AIDS	Cassette Elisa
154	MICROBIOLOGY & SEROLOGY	Serum/ Plasma	Leptospira IGM Antibody	Immunochromatography
155	MICROBIOLOGY & SEROLOGY	Serum/Body Fluids/CSF	Adenosine Deaminase	Enzymatic Assay
156	MICROBIOLOGY & SEROLOGY	Serum/Plasma	Anti HBs Antibody	CLIA
157	MICROBIOLOGY & SEROLOGY	Serum/Plasma	Anti Streptolysin O	Turbidimetry/Nephelometry
158	MICROBIOLOGY & SEROLOGY	Serum/Plasma	C Reactive Protein	CLIA
159	MICROBIOLOGY & SEROLOGY	Serum/Plasma	Chikungunya Antibody	Immunochromatography
160	MICROBIOLOGY & SEROLOGY	Serum/Plasma	Hepatitis B Surface Antigen	Immunochromatography
161	MICROBIOLOGY & SEROLOGY	Serum/Plasma	Hepatitis C Virus Antibody	CLIA
162	MICROBIOLOGY & SEROLOGY	Serum/Plasma	Hepatitis C Virus Antibody	IMMUNOCHROMATOGRAPHY
163	MICROBIOLOGY & SEROLOGY	Serum/Plasma	Hepatitis B Surface Antigen	CLIA
164	MICROBIOLOGY & SEROLOGY	Serum/Plasma	HIV 1 & 2 Antibody Test	CLIA

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Mangalore - 575 018, Karnataka

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
165	MICROBIOLOGY & SEROLOGY	Serum/Plasma	Immunoglobulin M	Turbidimetry/Nephelometry
166	MICROBIOLOGY & SEROLOGY	Serum/Plasma	Rapid Plasma Reagin Test T (RPR)	Slide Flocculation SLIDE FLOCCULATION
167	MICROBIOLOGY & SEROLOGY	Serum/Plasma	Rheumatoid Factor	CLIA
168	MICROBIOLOGY & SEROLOGY	Serum/Plasma	Rheumatoid Factor	Turbidimetry/Nephelometry
169	MICROBIOLOGY & SEROLOGY	Slit Skin Smear	Skin Clips For Lepra Bacilli	Modified Zn Stain (5% H2SO4)
170	MICROBIOLOGY & SEROLOGY	Sputum, Bronchial wash, Body fluids, CSF, Urine, Pus	Mycobacterium TB	Microscopy Auramine Fluorescence / Ziehl Neelsen Method
171	MICROBIOLOGY & SEROLOGY	Stool	Aerobic Culture And Antibiotic Sensitivity	Culture On Media Plates. Identification And Sensitivity By: Rapid Id By Advanced Colorimetric Method And Susceptibility Testing By Transmittance Reading
172	MICROBIOLOGY & SEROLOGY	Stool	Aerobic Culture And Antibiotic Sensitivity	Culture On Media Plates. Identification By Biochemical Reactions And AST By Kirby Bauer Disk Diffusion Method
173	MICROBIOLOGY & SEROLOGY	Stool	Hanging Drop	Coverslip Preparation Of Sample On Special Slides & Microscopy :

ATTESTED

  
Dr. Gangadhara Somayaji K.S.  
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Mangalore-575 018, Karnataka



# National Accreditation Board for Testing and Calibration Laboratories

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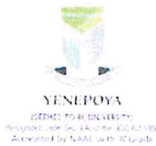
**Validity** 27/02/2019 to 26/02/2022 **Last Amended on** 05/05/2020

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
174	MICROBIOLOGY & SEROLOGY	Throat Swab	KLB (C Diphtheriae)	Smear Study With Albert Stain, Microscopy
175	MICROBIOLOGY & SEROLOGY	Urine, Pus, Serous Fluids, CSF, Sputum, Bronchial Washings And Tissues	Mycobacterium TB Culture	Culture On LJ Slopes
176	MICROBIOLOGY & SEROLOGY	Urine, Pus, Serous Fluids, CSF, Sputum, Wound Swab, Eye Swab, Corneal Scrapings And Tissues	Aerobic Culture And Antibiotic Sensitivity	Culture On Basic Media Plates, Identification By: Biochemical Reactions And AST By Kirby Bauer Disk Diffusion Method
177	MICROBIOLOGY & SEROLOGY	Urine,Pus,Serous Fluids, CSF, Sputum, Wound Swab, Eye Swab, Corneal Scrapings And Tissues	Aerobic Culture And Antibiotic Sensitivity	Culture On Basic Media Plates. Identificcation And Sensitivity By: Rapid Id By Advanced Colorimetric Method And Susceptibility Testing By Transmittance Reading
178	MOLECULAR TESTING	Nasopharyngeal swab / oropharyngeal swab in VTM/ ET secretions / BAL in VTM	SARS CoV -2 RNA Qualitative	Real Time RT PCR (Open System)

**ATTESTED**

  
**Dr.Gangadhara Somayaji K.S.**  
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Mangalore-575 018, Karnataka

**Centre for  
Environmental studies**



**YENEPOYA (DEEMED TO BE UNIVERSITY)  
CENTRE FOR ENVIRONMENTAL STUDIES**

The Centre for Environmental Studies is dedicated for sustainable development. Our environmental policy reflects the commitment of the University towards the environment. The eco- friendly stance is seen in the University's best practices as a no smoking, plastic free, clean and green campus. Efforts are being made to develop the campus on green concepts particularly focus on water conservation, use of alternative sources of energy, solid waste management, green belt development, sustainable architectural designs of buildings, environmental education and awareness. The campus is designed with several features for reducing energy consumption and utilizing renewable natural resources such as solar panels and rain water harvesting ponds. Waste water is recycled and used for landscape irrigation. As a sustainable initiative we have a vermin composting unit to recycle organic waste from kitchen and garden using earthworms. Extensive landscape developed over the years encourages biodiversity. A medicinal plant garden comprising of many medicinal plant species is maintained in the campus.

**ATTESTED**

**Dr. Gangadhara Somayaji K.S.**  
Registrar  
Yenepoya (Deemed to be University)  
University Road, Deralakatte  
Mangalore - 575 018, Karnataka

Assistant Director  
Centre for Environmental Studies  
Yenepoya (Deemed to be University)  
Deralakatte, Mangaluru - 575 018

# **Unnath Bharath Abhiyan**





**YENEPOYA**

(DEEMED TO BE UNIVERSITY)

Recognized under Sec 3(A) of the UGC Act 1956

Accredited by NAAC with 'A' Grade

## UNNAT BHARAT ABHIYAN

Ministry of Human Resource development (MHRD), Government of India has launched a programme "Unnat Bharat Abhiyan" aiming to connect the higher educational institutions to the villages around for transfer of knowledge to enrich rural India.

In view of the same, following five villages of Dakshina Kannada District were adopted for "Unnat Bharat Abhiyan Programme" by Yenepoya (Deemed to be University)

Sl. No.	Villages
1.	Kumpala
2.	Harekala
3.	Pavoor
4.	Ambedkar Nagar, Chembugudde
5.	Sajipa Nadu

**ATTESTED**

**Dr. Gangadhara Somayaji K.S.**  
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Mangalore-575 018, Karnataka

Rural Health Care & Development  
Yenepoya University  
Mangalore-575 018

**Central research facility  
(Yenepoya research centre)**

<b>Particular</b>	<b>Web Link</b>
<b>Research Centre</b>	<a href="https://yenepoya.res.in/">https://yenepoya.res.in/</a>

**ATTESTED**



**Dr.Gangadhara Somayaji K.S.**  
**Registrar**  
**Yenepoya(Deemed to be University)**  
**University Road, Deralakatte**  
**Mangalore-575 018, Karnataka**

# **Centre for ethics**

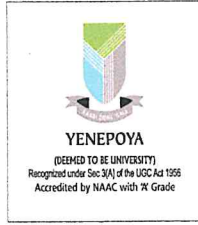
<b>Particular</b>	<b>Web Link</b>
<b>Centre for ethics</b>	<a href="http://www.ethics.edu.in">www.ethics.edu.in</a>

**ATTESTED**



**Dr.Gangadhara Somayaji K.S.**  
**Registrar**  
**Yenepoya(Deemed to be University)**  
**University Road, Deralakatte**  
**Mangalore-575 018, Karnataka**

**Comprehensive cancer  
centre-Tata Trust  
Mumbai and  
Yenepoya (Deemed to  
be University)  
Mangalore  
Collaboration**



**The proposed comprehensive cancer centre – Tata Trust, Mumbai and Yenepoya (deemed to be University), Mangalore collaboration**

The Yenepoya (deemed to be University) and the Tata Trust, Mumbai represented by the Chancellor of the University and the CEO of the Tata Trust, respectively, signed a Letter of Intent, to start and run a comprehensive cancer centre in the Yenepoya (deemed to be University) campus, Deralakatte, Mangalore, next to the existing Yenepoya Medical College building. (The copy of the LOI- enclosed as **Annexure 1**).

The proposed project was divided into 2 phases. The first phase will comprise of starting of the full blown Radiotherapy facility with True Beam Radiotherapy, Halcyon Teleradiotherapy facility and Brachytherapy facility with all the necessary accessories. Along with that, full blown nuclear medicine department with PET CT scan facility, SPECT isotope scan facility, and Radiotherapy treatment facility.

Accordingly, the construction of the building with necessary bunkers for Radiotherapy, OPD facility, Nuclear medicine facility was started is almost complete. The floor map and the photographs of the same are enclosed as **Annexure 2**.

Some of the equipment such as Brachytherapy and the accessories necessary for Teleradiotherapy have already reached the site. The photos of the same are enclosed **Annexure 3**.

**The construction of the building which is almost complete with necessary infrastructure will cost approximately Rs. 25 Crores.**

**The cost of the equipment will be approximately Rs. 50 Crores.**

The starting of the facilities which was delayed due to COVID-19 pandemic is likely to commence functioning by June 2021.

**ATTESTED**

**Dr.Gangadhara Somayaji K.S.**  
Registrar  
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University Road, Deralakatte  
Mangalore-575 018, Karnataka

**REGISTRAR**

## **Agreement on principles between Tata Trusts and Yenepoya (Deemed to be University)**

This Joint Letter of Intent (hereinafter "LOI") constitutes an agreement on principles of engagement and is made and entered into as of 24<sup>th</sup> April, 2018 by and between:

(1) **Tata Trusts<sup>1</sup>** (as further defined hereinafter), the trusts being registered under the Maharashtra Public Trusts Act, 1950 and having their registered office at Bombay House, 2nd floor, 24 Homi Mody Street, Fort, Mumbai 400001 (hereinafter referred to as the "TT", which expression shall wherever the context permits, admits or requires be deemed to mean and include its successors-in-interest and permitted assigns) **OF THE FIRST PART**

And

(2) **Yenepoya (Deemed to be University)**, having its office at University Road, Deralakatte, Mangalore- 575018 (hereinafter referred to as "Yenepoya" which expression shall wherever the context permits, admits or requires be deemed to mean and include its successors-in-interest and permitted assigns) **OF THE SECOND PART**

TT and Yenepoya are hereinafter together referred to as "Parties" and individually as "Party".

### **A. Cancer Control Vision**

Tata Trusts and Yenepoya (Deemed to be University) have a common focus towards improving cancer care in Karnataka, starting with the Mangalore catchment region. The parties wish to provide comprehensive cancer care to patients at affordable rates to reduce waiting times and eventually improve clinical outcomes.

The purpose of this LOI is to initiate a collaborative relationship between Tata Trusts and Yenepoya to work together in the coming years to achieve the vision of strengthening cancer control in the state of Karnataka.

A cancer care center will be built on Yenepoya campus. In addition, the university will also identify and allocate land to Tata Trusts for creating a radiation hub in the region which will cater to patients from Karnataka and other states. This hub will be built in a phased manner, after detailed supply demand gap analysis of the region.

### **B. Proposed Collaboration**

- The proposed collaboration will be along the lines described in Annexure 1

**ATTESTED**



**Dr. Gangadhara Somayaji K.S.**  
Registrar

**Yenepoya (Deemed to be University)**

University Road, Deralakatte

1. Tata Trusts refers to Sir Dorabji Tata Trust & Allied Trusts and Sir Ratan Tata Trust & Allied Trusts.



- The university will provide land at campus and outside, in Mangalore to Tata Trusts for development of the 2 facilities on a long-term lease for a nominal fee. Yenepoya shall obtain/ assist in obtaining all requisite permissions, approvals, clearances, etc. required from the government bodies for setting-up and operating the centres from time to time.
- TT will be responsible for all investments required for setting up of the centre as required, through their special purpose vehicle, Alamelu Charitable Foundation (hereinafter referred to as "ACF")<sup>2</sup>
- Tata Trusts will conduct detailed analysis and recommend a suitable configuration for the facilities along with masterplans.
- The cancer hospital will be owned and operated by ACF. An MoU will be signed between Yenepoya and ACF which will outline the roles and responsibilities of both, in detail.

#### C. Non-exclusive

This LOI is not intended to limit or restrict activities of either Parties and they shall be free to carry out activities independent of each other at their free will.

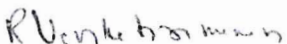
#### D. Limitation of liability

No rights or limitation of rights will arise from the terms of this LOI. Both Parties indemnify each other for any liabilities that may arise out of this LOI.

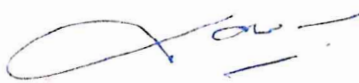
#### E. Entire understanding

This LOI constitutes the entire present understanding of the Parties pertaining to matters contemplated hereunder at this time and the Parties shall work closely with each other to detail out the understanding.

**For Tata Trusts**

  
Mr. R Venkataramanan  
Managing Trustee,  
Tata Trusts

**For Yenepoya (Deemed to be University)**

  
Mr. Yenepoya Abdulla Kunhi  
Chancellor,  
Yenepoya (Deemed to be University)

Date: April 24th, 2018

**ATTESTED**

  
Dr. Gangadhara Somayaji K.S.  
Registrar  
Yenepoya (Deemed to be University)  
University Road, Deralakatte  
Mangalore - 575 018, Karnataka

<sup>2</sup> ACF is an initiative of Tata Trusts, a Section 8 company, being a Special Purpose Vehicle, incorporated under laws of India, and having its administrative office in Vijayawada, Krishna Dist, AP-520008.

## Annexure 1

### Cancer Care in Karnataka

Karnataka, with a population of approximate 6.1 crores that is growing at 1.5% annually has good health indicators comparable to some of the better states in India. However, the state's cancer incidence rate of 110 per lakh population is higher, compared with the incidence of 104 in Tamil Nadu, the neighboring state. Lung, prostate and stomach cancer contribute to top 25% of cancers in men. The high incidence of cancer in men is attributed to high tobacco consumption. Breast, cervix and ovary cancers contribute to top 45% of cancers in women.

With increasing risk factors and improved diagnosis, the incidence of cancer is expected to grow from 73,000 in 2016 to c. 1,60,000 by 2030

To cater to this load of cancer cases in the state, currently, there are only 6 government cancer care facilities in Karnataka with Kidwai Memorial Institute of Oncology (KMIO), Bengaluru serving as the apex centre for the state. The other government cancer centres are located at Kalaburagi, Bellary, Mandya, Hassan, Mysore and Hubli.

In addition to these government facilities, multiple private sector hospitals in the state offer comprehensive cancer care services. However, given the cost of treatment in these hospitals, only a small share of the population – c.20-25% can afford to get treated at these centers.

The remaining population is dependent on KMIO for Comprehensive cancer care. The other facilities spread across the state offer limited care to the patients and hence for any lifesaving/life quality enhancement treatment, the population is dependent on KMIO. This puts lot of pressure on its infrastructure and has led to long waiting lists for radiation and chemotherapy services at KMIO.

S. No	Service	Wait Time
1	Medical Oncology	1.5-2 months
2	Radiation oncology	2 months

Therefore, there is a need to provide an immediate alternative to KMIO through establishment of a comprehensive cancer care facility in the state that serves the underprivileged sections of the society.

### Proposed Facility at Yenepoya (Deemed to be University)

**ATTESTED**



Dr. Gangadhara Somayaji K.S.  
Registrar

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University Road, Deralakatte  
Mangalore-575 018, Karnataka

Yenepoya (Deemed to be University) is the first deemed to be university in Dakshina Kannada, district of Karnataka with faculties of Medicine, Dentistry, Nursing, Allied

Health and Healthcare Management. The teaching hospital is a multi-specialty facility with 1,020 beds and is equipped with 2 MRIs, CT, Mammography and other radiology and imaging equipment, besides - diagnostic modalities, laboratory and blood bank.

Yenepoya Medical College Hospital provides medical and surgical oncology services at highly subsidized rates to the people of Karnataka and North Kerala. There are 80 beds earmarked for oncology. The hospital has partnered with K.S. Hegde Charitable Hospital to refer patients for radiation therapy.

The hospital gets patients from various districts of the state such as Shimoga, Kodagu, Chikkamagalur, Chitthradurga, Bellary, Haveri, Dharwad, Koppal, Tumkur, Davanagere, and Hassan. Volume of work undertaken in oncology is as follows:

Specialty	Medical Oncology	Surgical Oncology	Radiation Oncology (referred outside)
Volumes 2017	2791 (# of cycles)	517 surgeries	285 (# of patients)

Yenepoya (Deemed to be University) has requested Tata Trusts to support them in enhancing access to cancer care among the poor in the catchment region of the hospital and widen the reach to be able to serve larger segment of the society.


#### Proposed Configuration of the Cancer Centre

Based on the supply gap analysis of the catchment, a separate cancer centre will be built on campus. A radiation hub will also be set-up to cater to the demand of patients both from Karnataka and outside the state, in a phased manner.

Broad configuration of the cancer centre on campus is given below:

Category	Description (Phase 1)	Part of Cancer Centre / Yenepoya teaching hospital
Cancer OPD	6-10 consulting rooms	• Cancer Centre
Operating Rooms	4	• Cancer Centre
Inpatient Wards	Wards: 68 beds ICU: 12 beds Palliative Care: 10 beds	• Cancer Centre
Day Services	Emergency: 2 beds Chemotherapy: 12 beds Day care: 6 beds	• Cancer Centre
Pre/ Post Op	10 Beds	• Cancer Centre

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 Pre/ Post Op

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Diagnosics	X Ray, Fluoroscopy, Ultrasound, Mammo, CT, MRI, C-Arm, Endoscopy, lab services such as haematology, pathology, Tumor markers, Biochemical tests and other lab facilities related to cancer	<ul style="list-style-type: none"> <li>• Services to be provided by Yenepoya, on a pre-determined tariff</li> <li>• University to ensure convenience of the hospital patients and limited waiting time</li> </ul>
Nuclear Medicine	PET CT Gamma Camera	<ul style="list-style-type: none"> <li>• Cancer Centre</li> </ul>
Blood Bank with Components	Yes	<ul style="list-style-type: none"> <li>• Services to be provided by Yenepoya</li> </ul>
Pharmacy – IP and OP	Yes	<ul style="list-style-type: none"> <li>• Pharmacy to be operated by the Cancer Centre</li> </ul>
Hostel and Staff Accommodation	Yes	<ul style="list-style-type: none"> <li>• Services to be provided by Yenepoya, on a pre-determined tariff</li> <li>• University to ensure all patients, attendants and staff in need of accommodation are provided accommodation</li> </ul>

Configuration of Radiation Hub will be decided post detailed analysis.

### Operating Model

#### Construction Phase

- Yenepoya (Deemed to be University) will provide land at campus to Tata Trusts for development of the cancer center and outside campus for radiation hub, on a long-term lease for a nominal fee.
- Yenepoya (Deemed to be University) shall obtain/ assist in obtaining all requisite permissions, approvals, clearances, etc. required from the government bodies for setting-up and operating these two facilities from time to time.
- Tata Trusts will conduct detailed primary research in the catchment region and recommend a configuration of cancer services suitable to the catchment demand profile i.e. the types of cancers, the demographics of the cancer patients, to suggest bed mix, equipment plan and staffing plan.
- TT will get the existing architectural plans peer reviewed for compliance with the latest regulations and international best practices, and will also hire a suitable agency for building construction.

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- Tata Trusts, through its special purpose vehicle, ACF, shall be solely responsible for all investments required for setting up of the facilities – including procuring all medical equipment required. However, diagnostic modalities available with Yenepoya (Deemed to be University) will not be duplicated at the cancer centre.
  - Cancer patients will be referred to the Yenepoya teaching hospital for diagnostics- radiology, lab services including haematology, biochemistry, pathology and other cancer related services and pre-agreed tariff will be charged by the Yenepoya teaching hospital from ACF
- Yenepoya (Deemed to be University) will continue to handle education and research activities to complement the cancer services provided at these facilities

### Operational Phase

The cancer centre and radiation hub will be owned and operated by Tata Trusts through its special purpose vehicle, ACF, in close consultation with Yenepoya (Deemed to be University). This would involve:

- Joint Recruitment and placement of the clinicians, nurses and other technical staff in the facilities. Existing oncology staff at the teaching hospital will become a part of the new cancer centre and the salaries/ incentives will be as per the new policies
- Selection and installation of new technologies, systems and IT infrastructure at the facilities
- Connecting the facilities to the National Cancer Grid, which is a network of major cancer centers, research institutes, patient groups and charitable institutions across India
- Implementing Standard Operating Procedures (SOPs) for the smooth running of the facilities
- Define the general policy of management for the facilities
- Defining the tariff structure for the facilities
- Operating the cancer centre pharmacy and providing low cost drugs and consumables to patients
- Responsible for all present and future investments in the facilities including in respect of the services. This will exclude equipment and laboratory related expenditures
- Co-Branding including the name of the facilities

The cancer centre will outsource certain non-medical services to the Yenepoya teaching hospital in the first year of operations. This may include Cafeteria, Kitchen, Laundry, CSSD, Ambulatory Services, Staff, Patient & Attendant Accommodation and Blood bank. Going forward, based on requirement and ease of operations, the cancer centre may build capabilities for these services in its own hospital.

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All support specialties such as ENT, Dental, Cardiac, Ophthalmic OPD, etc. will be outsourced to the Yenepoya teaching hospital as well on a mutually agreed tariff.

Community Oncology will be a joint programme of the cancer centre and the Yenepoya teaching hospital. This would involve planning, and implementation of activities related to cancer awareness and prevention, in the state.


As requested by the University, some space in the new cancer centre building will be allocated to the University for specialty wards. This will depend on the demand generated in the teaching hospital and space availability in the cancer centre. Further, academics will continue to be a part of the university.

### **Governance Mechanism**

Tata Trusts, through its special purpose vehicle ACF, will invest in setting-up the facilities and own & manage the operations of cancer care delivery.

A Hospital Advisory Committee with participation from Yenepoya (Deemed to be University) and Tata Trusts/ACF will be set up to take key decisions and ensure co-operation across different areas of operations.

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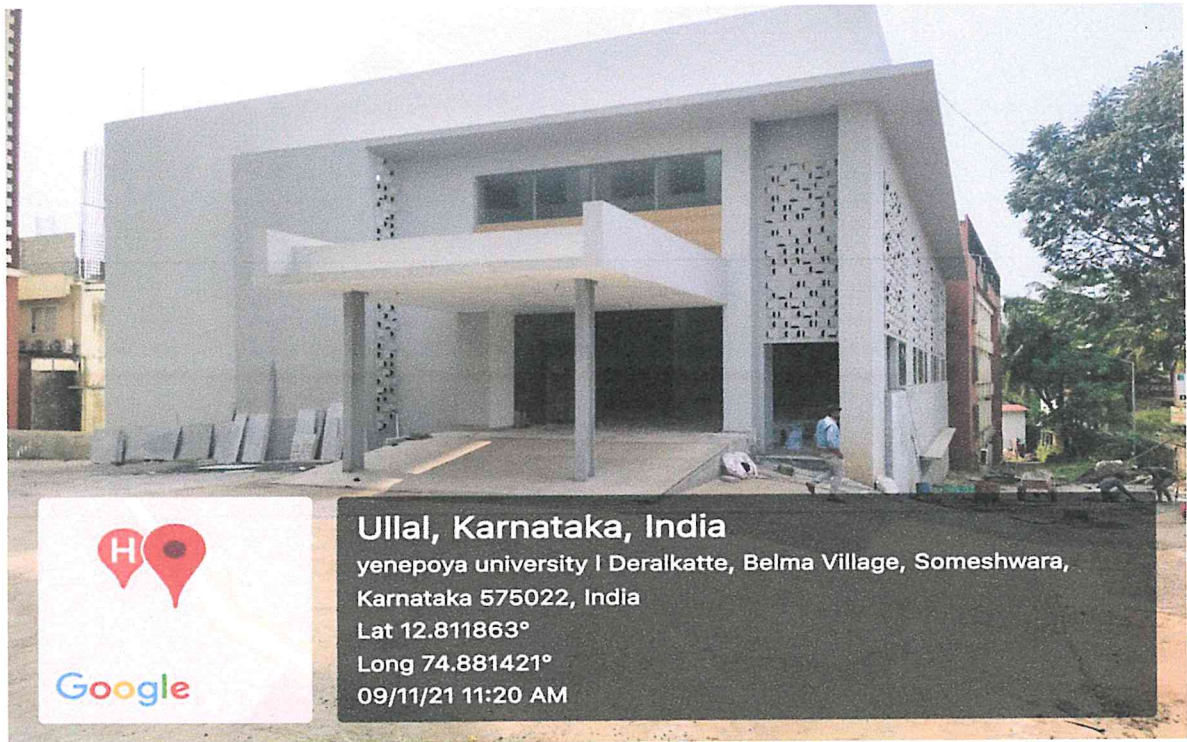
Annexure 2:

FLOOR MAP OF PHASE 1:



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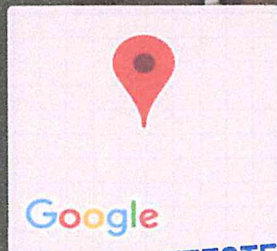
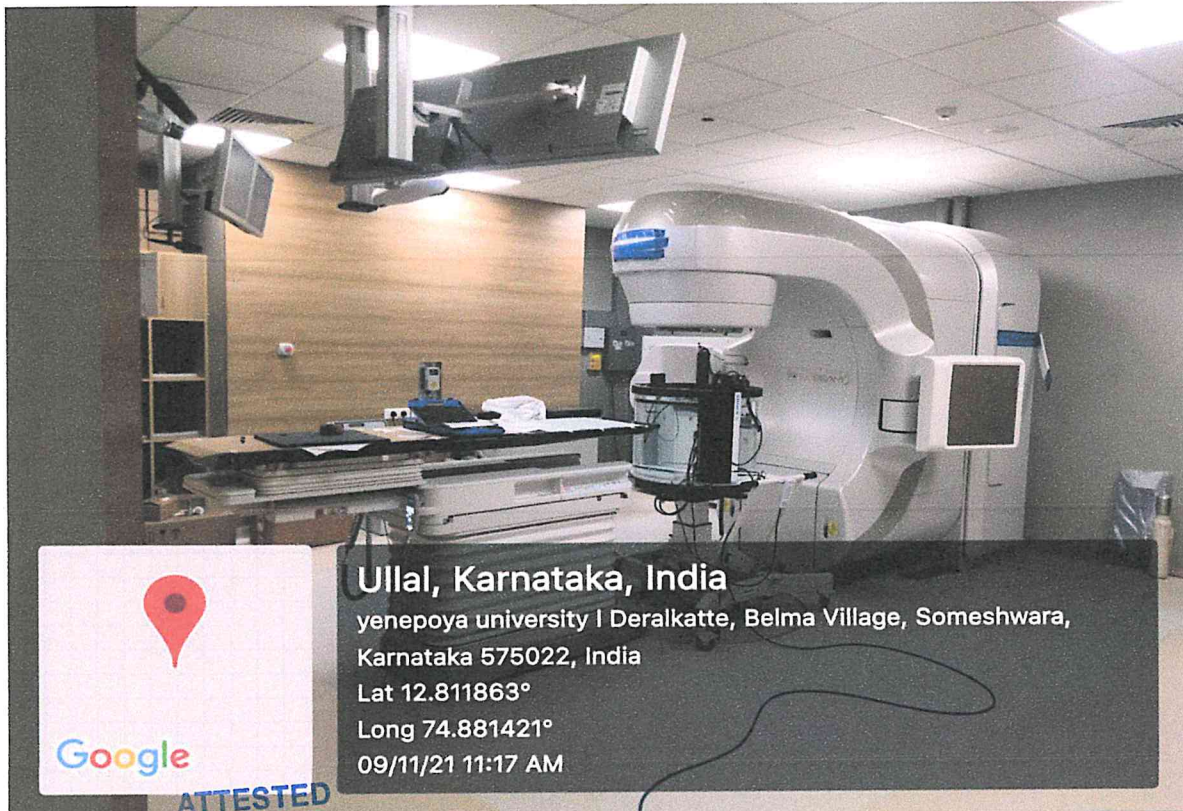
**Ullal, Karnataka, India**

yenepoya university | Deralkatte, Belma Village, Someshwara,  
Karnataka 575022, India

Lat 12.811863°

Long 74.881421°

09/11/21 11:20 AM



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**YENEPOYA**

(DEEMED TO BE UNIVERSITY)


Recognized under Sec 3(A) of the UGC Act 1956  
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### ONCOLOGY BUILT UP AREA

Sl. No	Description	Sq mt
1	LOWER BASEMENT	791.51 SQMT
2	UPPER BASEMENT	735.48 SQMT
3	LOWER GROUND FLOOR	713.69 SQMT
4	GROUND FLOOR	507.79 SQMT
5	FIRST FLOOR	509.35 SQMT
	<b>TOTAL AREA</b>	<b>3257.82 SQMT</b>

  
**MAINTENANCE DEPARTMENT**  
**YENEPOYA UNIVERSITY**  
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