

## Details of the Collaborative Activity

2016-17

**Name of the Collaborating Institute:** Mahatma Gandhi University, Priyadarshini Hills P. O. Kottayam, Kerala

**Name of Collaborating Department:** Yenepoya Research Centre,

### Activities:

An official MoU was signed by the institutes Mahatma Gandhi University, Priyadarshini Hills P. O. Kottayam, Kerala and Yenepoya University on 25<sup>th</sup> April 2017

- A National conference on Nanomaterials for Biomedical Applications was organized by the Yenepoya Research Centre Nano Division on 16<sup>th</sup> March 2017 in collaboration with Mahatma Gandhi University
- Preparation of a book chapter in a book titled “Synthesis, Characterization and Potential Applications of Nanomaterial”

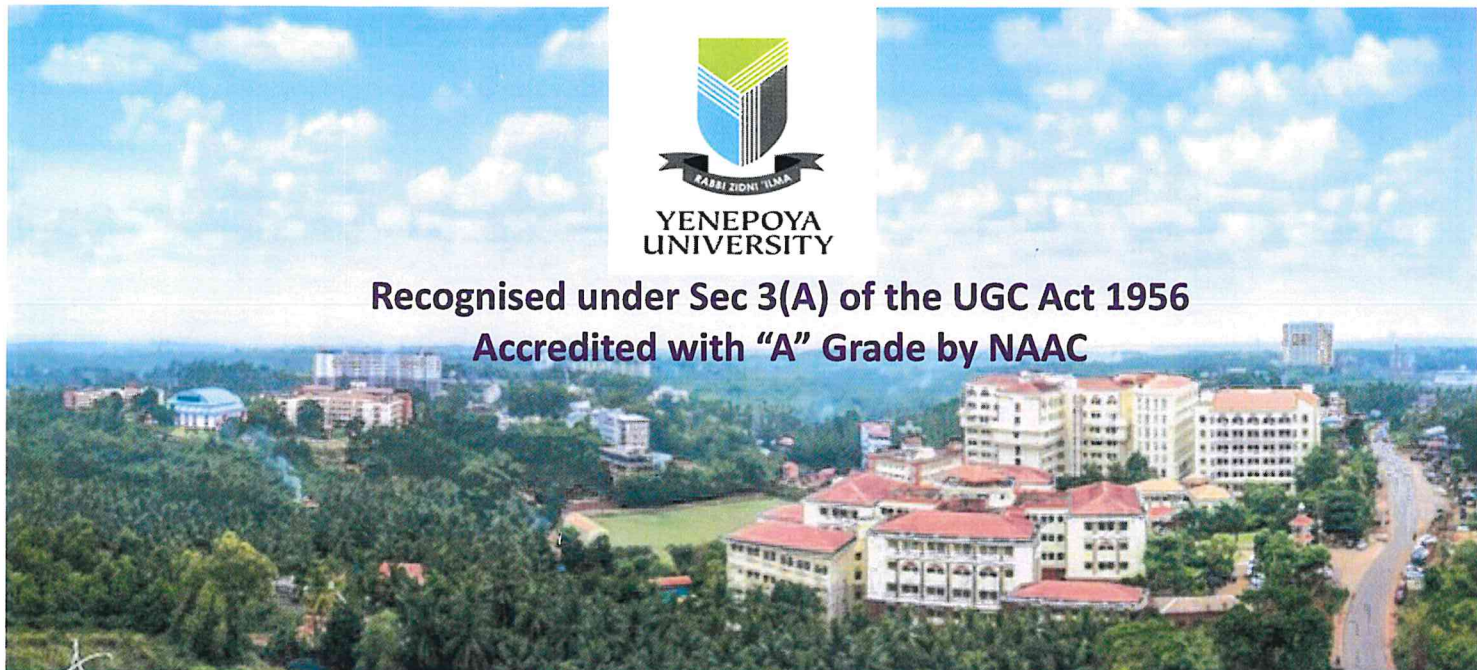
ATTESTED

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



YENEPOYA  
UNIVERSITY

Recognised under Sec 3(A) of the UGC Act 1956  
Accredited with "A" Grade by NAAC



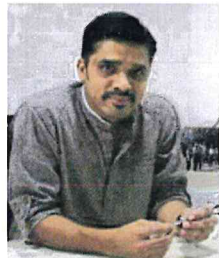
**National Conference On  
Nanomaterials for Biomedical Applications  
Organized by Yenepoya Research Centre Nano Division  
16<sup>th</sup> March 2017**



Dr. Sabu  
Thomas



Dr. Nandakumar  
Kalarikkal



Dr. Praveen  
Vemula



Dr. A. Senthil  
Kumar



Dr. T. G. Satheesh  
Babu



inStem



AMRITA  
VISHWA VIDYAPEETHAM  
UNIVERSITY  
Established u/s 3 of UGC Act 1956

ATTESTED

Dr. Gangadhara Somavaji K.S.

Dr. Renjith P. Johnson  
renjithjohnson@yenepoya.edu.in  
Coordinator

Dr. K. S. Prasad  
ksprasadnair@yenepoya.edu.in  
Coordinator



YENEPOYA  
UNIVERSITY

Recognised under Sec 3(A) of the UGC Act 1956  
Accredited with "A" Grade by NAAC



## About University

Emboldened by the overwhelming positive response of the community and the students, the management perceived a need to develop into a University, where autonomy and self reliance would place the institutions on the global map and would internally motivate them to higher levels of excellence. The IAE sponsored the formation of a new trust, the Yenepoya University, which after due process of inspection by the University Grants Commission (UGC), was recognized by the Ministry of Human Resource Development, Government of India on 27 February 2008, vide their notification No. F.9-11/2007-U.3(A). The Yenepoya University is the first private University in the District of Dakshin Kannada (South Canara).

## Yenepoya Research Centre

Yenepoya Research Centre (YRC) is serving as a central research support system for the constituent colleges of Yenepoya University. YRC strives towards strengthening the research activities, establishing the research facilities and building capacity among students and research scholars. The centre has the major aim of engaging in high quality research activities in the interdisciplinary/ multidisciplinary areas and creating specialized research units and groups to take up research studies to meet the contemporary challenges.

## NATIONAL CONFERENCE ON NANOMATERIALS FOR BIOMEDICAL APPLICATIONS SCHEDULE - MARCH 16, 2017

Venue: Indore Auditorium, Yenepoya Medical College, Yenepoya University

No	Session	Time	
1	Registration	8.00-8.45	
2	Inauguration	8.45-9.30	
3	<b>Dr. Sabu Thomas</b> Professor of Polymer Science & Technology & Hon. Director of International and Inter University Centre for Nanoscience and Nanotechnology Mahatma Gandhi University, Kottayam	9.30-10.30	<b>Inaugural Keynote Address</b>  Engineering at the Nanoscale: A Strategy for Developing High Performance Functional Materials
Tea break: 10.30-10.45			
4	<b>Dr. Annamalai Senthil Kumar</b> Vellore Institute of Technology University, Tamil Nadu	10.45-11.30	Electrochemical platform for biomedical applications
5	<b>Dr. Praveen Kumar Vemula</b> Instem, National Centre for Biological Sciences, Bangalore	11.30-12.15	Disease-responsive drug delivery: Nanobiomaterials for the treatment of inflammatory diseases
6	<b>Dr. Nandakumar Kalarikkal</b> Mahatma Gandhi University, Kottayam	12.15-1.00	Nanostructured Materials for Biomedical Applications
Lunch break: 1.00-2.00			
7	<b>Dr. Sathesh Babu T. G</b> Amrita University, Coimbatore	2.00-2.45	Nanomaterials for point-of-care Diagnosis
8	Oral presentation for students	2.45-3.45	Selected presentations for PG and Research Scholars
Tea break: 3.45-4.00			
9	Poster session	4.00-5.00	Poster Presentations for UG, PG and Research Scholars
10	Valedictory Session	5.00-5.30	Prize & Certificate distribution

\*Registration Fees (Including Lunch, Tea and Snacks)

Category	Early Bird Until March 1	March 2-10	Spot Registration	For Registration, Please take DD or Electronic Transfer to Yenepoya University AC.No: 132060210000021 Vijaya Bank Founders Branch, Mangalore- 18 IFSC Code: VIJB0001132
UG	300	400	500	
PG	400	500	600	
Research Scholar	500	600	750	
Faculty	800	900	1000	

\*After Paying Registration Fees, Please email the reference number or DD details with the name of the participant and academic details to [ksprasadnair@yenepoya.edu.in](mailto:ksprasadnair@yenepoya.edu.in) or [renjithjohnson@yenepoya.edu.in](mailto:renjithjohnson@yenepoya.edu.in)

ATTESTED

For More Informations please contact [renjithjohnson@yenepoya.edu.in](mailto:renjithjohnson@yenepoya.edu.in) or [ksprasadnair@yenepoya.edu.in](mailto:ksprasadnair@yenepoya.edu.in)

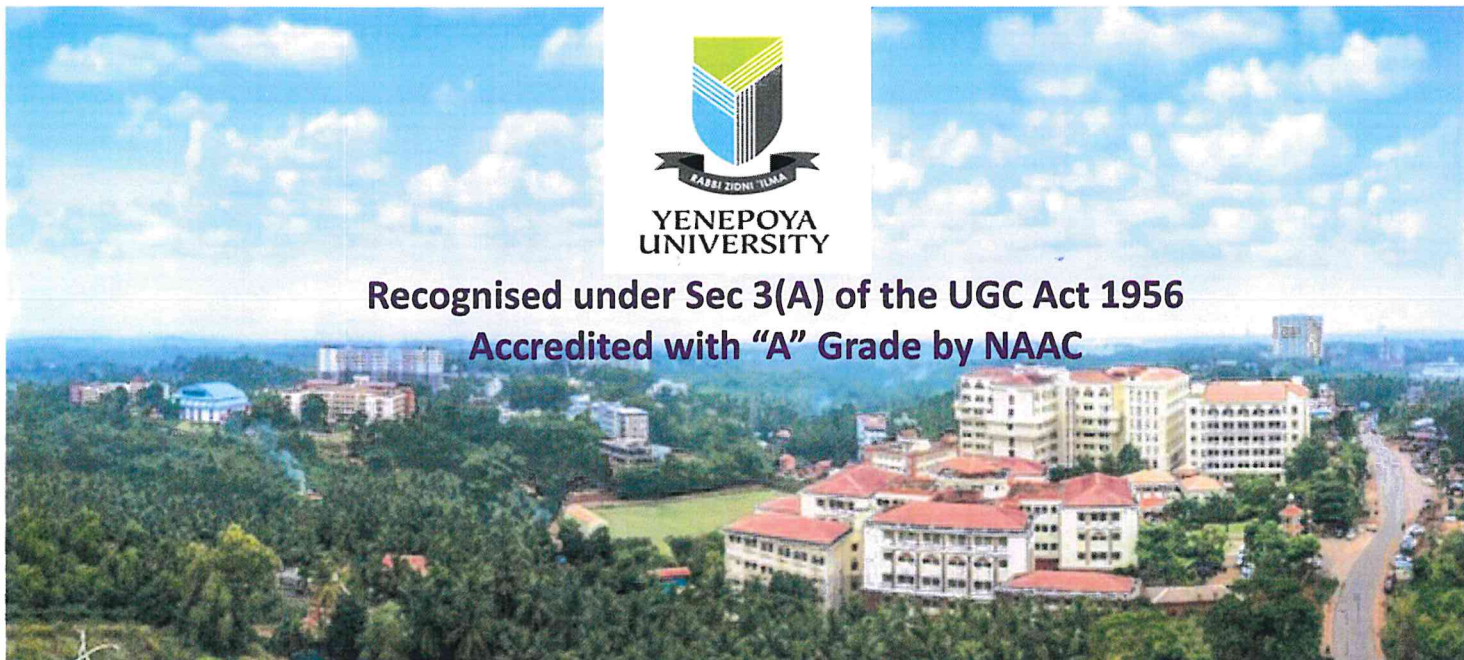
Dr.K.S.Prasad 9108772501 Dr.Renjith P. Johnson 7338172132 Ms.H.Manisha 8095771400 Ms.P.D. Priya Swetha 7022911094

\* Abstract submission until 1st March, 2017



YENEPOYA  
UNIVERSITY

Recognised under Sec 3(A) of the UGC Act 1956  
Accredited with "A" Grade by NAAC



**National Conference On  
Nanomaterials for Biomedical Applications  
Organized by Yenepoya Research Centre Nano division  
16<sup>th</sup> March 2017**

**Registration Form**

Participation: Poster  / Oral

Name:

Designation:

Organisation:

Mailing Address:

Telephone:

Email:

**Registration Details**

Amount:

DD No:/Transaction ID:

Bank Name

Date:

Signature:

ATTESTED

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

**Fwd: INVITATION TO CONTRIBUTE A CHAPTER FOR APPLE BOOK FOR ICN 2018- Synthesis, Characterization and Potential Applications of Nanomaterials" (tentative)**

1 message

Sudhakara Prasad <ksprasadnair@yenepoya.edu.in>  
To: "yrcnaac2020@yenepoya.edu.in" <yrcnaac2020@yenepoya.edu.in>

Mon, Jan 11, 2021 at 5:16 PM

----- Forwarded message -----

From: ICN 2018 <icn2018nsca@gmail.com>  
Date: Wed, Dec 12, 2018 at 5:21 PM  
Subject: INVITATION TO CONTRIBUTE A CHAPTER FOR APPLE BOOK FOR ICN 2018- Synthesis, Characterization and Potential Applications of Nanomaterials" (tentative)  
To: <ksprasadnair@yenepoya.edu.in>

Dear Dr. K.Sudhakaraprasad,

Greetings from Mahatma Gandhi University and International and Inter University Centre for Nanoscience and Nanotechnology!!

It is my pleasure to inform you that, on behalf of the grand success of the International Conference on NANOMATERIALS: SYNTHESIS, CHARACTERISATION AND APPLICATIONS (ICN 2018), the [Apple Academic Press](http://www.appleacademicpress.com/) (<http://www.appleacademicpress.com/>) has agreed to publish a book entitled "Synthesis, Characterization and Potential Applications of Nanomaterials" (*tentative*) based on the peer-reviewed papers presented in the conference.

I request you to send the full manuscript of your presentation at ICN 2018 in the format attached herewith to be published in the said book. Please note that we will accept only unpublished data, but reviews are always welcome. Please make sure that you strictly follow the guidelines of the publishers while preparing the manuscripts. The font size should be Times new roman 11 point with 1.5 spacing. Each and every figures, table, equations, must be in open format and images must be minimum of 300 dpi.

Kindly find the attached files.

All the text, tables, figures, images etc. should be original and if anything is cited from anywhere then it must come with permission from original copyright owner. All the papers will be peer reviewed by international experts in the field. So the manuscripts are to be submitted on or before **10th January 2018** for the book.

Let's use of this excellent opportunity to make great publications.

Kindly acknowledge me your interest in contributing a chapter, at your earliest,

With regards,

**Prof. Dr. SABU THOMAS B. Tech, Ph. D., CChem. FRSC.****Vice Chancellor,****Professor of Polymer Science & Technology & School of Chemical Sciences,****Mahatma Gandhi University, Priyadarshini Hills P. O.****Kottayam, Kerala, India -686 560****E-mail: [sabuchathukulam@yahoo.co.uk](mailto:sabuchathukulam@yahoo.co.uk), [sabut@sancharnet.in](mailto:sabut@sancharnet.in), [sabupolymer@yahoo.com](mailto:sabupolymer@yahoo.com)****Phone} Per: 91-481- 2730003****Mobile no. 00+91-9447223452 Res: 91-481- 2597914, , Fax: 91-481-2590357**<http://scholar.google.co.in/citations?user=74VyKRYAAAAJ&hl=en>

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

**New Books of Prof. Thomas:****1. Advances in Polymer Processing: from macro- to nano- scales**

Editors: S Thomas , India , and W Yang , China

Woodhead Publishing Ltd, UK , 2009

See web site address: [http://www.woodheadpublishing.com/en/Resources/ Advanceinformation/AI9781845693961.doc](http://www.woodheadpublishing.com/en/Resources/Advanceinformation/AI9781845693961.doc)**2. Natural Fibre Reinforced Polymer Composites: Macro to nanoscale**

Editors: Thomas Sabu , India Laly A. Pothan, India

Old City Publishing , USA and editions des archives contemporaines, France , 2009

See website address: [www.amazon.fr](http://www.amazon.fr) or [www.amazon.com](http://www.amazon.com)**3. Recent Advances in Polymer Nanocomposites**

Editors: S. Thomas, India , G.E. Zaikov , Russia and S.V. Valsaraj , India

Brill NV, Leiden , Netherlands.2009

**4. Progress in Polymers Nanocomposites Research**

Editors: Sabu Thomas , India , and Gennady E. Zaikov, Russia

Nova Publishers, USA , 2008

**5. Polymer Nanocomposite Research Advances**

Editors: Sabu Thomas , India and Gennady E. Zaikov , Russia

Nova Publishers, USA ,2008

See web site address: <http://www.novapublishers.com>**6. Micro- and Nanostructured Multiphase Polymer Blend Systems: Phase Morphology and Interfaces**


Editors: Charef Harrats, Nethterlands, Sabu Thomas , India and Gabriel Groeninckx, Belgium

CRC Press , USA ,2005

See web site address: <http://www.taylorandfrancis.com>CRC press web site address: <http://www.crcpress.com>

—  
K.Sudhakaraprasad, PhD  
Assistant Professor|Yenepoya Research Centre & Centre for Nutrition Studies  
Yenepoya (Deemed to be University) |University Road|Deralakatte  
Mangalore 575018|Karnataka|India  
+91-9108772501|+91-9544340364  
<https://sites.google.com/site/prasadresearchgroup2015/home>  
<https://yenepoya.res.in/team/dr-k-sudhakaraprasad-k-s-prasad/>

**3 attachments** **AAP COPYRIGHT TRANSMITTAL FORM (1).docx**  
349K **sample chapter.docx**  
701K **Guidlines.pdf**  
735K**ATTESTED**

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



Recognized by Sec 3(A) of the UGC Ac 1956  
Accredited by NAAC with "A" grade

Yenepoya University Research Centre  
Nanodivison  
University Road, Deralakatte  
Mangalore-575018  
Email:[dydirectoryrc@yenepoya.edu.in](mailto:dydirectoryrc@yenepoya.edu.in)  
Ph: +91 8242204668

### **Report of the National Conference on Nanomaterials for Biomedical Applications (NBA-2017)**

One day Symposium on "Nanomaterials for Biomedical Applications" was held on 16<sup>th</sup> March 2017, at Yenepoya Dental College auditorium, organized by Yenepoya University Research Centre-Nanodivison, Yenepoya University (YU), Mangalore. The symposium was presided by the Registrar of YU, Dr. G. Shreekumar Menon, and the function was inaugurated by lighting the lamp by the entire guest on the dice and resource persons invited for the National conference at 9.30 AM. Dr. Sabu Thomas, Professor and Hon. Director of International and Inter University Centre for Nanoscience and Nanotechnology Mahatma Gandhi University (MGU), Kottaym delivered the keynote address on "Engineering at the nanoscale: a strategy for developing High Performance Functional Materials".

The talk was concluded at 10.30 and, followed by the tea break, Dr. Ananamali Senthil Kumar of Vellore Institute of Technology University, Tamil Nadu started the second session of the NBA-2017 with a talk on electrochemical platform for biomedical application; the talk covered the sensor development for white spot syndrome in shrimps, and other fabrication of electrochemical sensors for clinically relevant molecules. Dr. Ira Bhatnagar from Centre for Cellular and Molecular Biology (CCMB), Hyderabad continued the session with an address on the application, and use of chitosan as nano-bio-theranostic biomaterials. Dr. Nandakumar Kalarikkal of MGU, Kottayam gave an over view on versatile nano-structured materials for biomedical applications. After the conclusion of morning session and lunch break, the afternoon session was started with an inspiring and interesting talk on nanomaterials for point-of-care diagnosis by Dr.T.G. Sathesh Babu of Amrita University, Coimbatore. NBA-2017 had five-invited talk specifically on nanomaterials for biomedical applications with around 100 participants, (66 paid participants) from various parts of southern India. In addition, after the conclusion of invited talks, there was an oral and poster presentation session was conducted for undergraduates, postgraduates and research scholars. NBA-2017 ended with a valedictory function and price distribution by YU Deputy controller of examination Dr. B. Nandhish, and finance officer, Mr. P. Mahamad Bawa.

The NBA-2017 resulted many stimulating brain storming sessions on recent trends on nanomaterials, and an avenue for future collaborative research opportunities for YU faculties with resource persons. Moreover NBA-2017 facilitated the opportunity to have an MOU between YU and MGU.

ATTESTED

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

We had received many positive feedbacks from the resource persons, participants and delegates. One of the comments from Dr. Annamali Senthinkumar is quoted here. "It was a really wonderful movement. I appreciate your team interest on new research developments in your University. I hope and wish in next 5-10 years your University will achieve marked research status in National Level. Wish you all the best" and most of them are looking forward to have the National Conference on Nanomaterials for Biomedical Applications in future by Yenepoya University.

Overall NBA-2017 organizers are glad that, we had given enlightening talks on cutting edge research on nanomaterials to our participants, as well as an opportunity to young researchers to showcase their talents through oral and poster presentations. After having the positive feedbacks, and many requests from the participants, We are confident about conducting similar conference for wider audiences in much bigger way in the coming future.

NBA-2017, Yenepoya University, Mangalore, 16 March 2017



ATTESTED  
*[Handwritten Signature]*

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



NBA-2017 Organizers: Dr. K.Sudhakataprasad, Dr. Renjith P.Johnson, Ms. Manisha Rao, and Ms. Priya Swetha  
(YRC- Nano Division)

ATTESTED



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

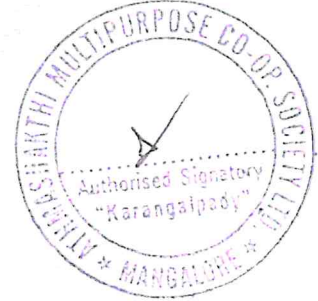
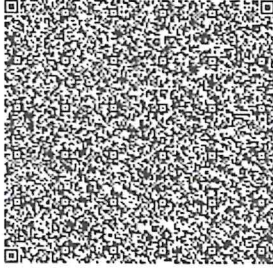


सत्यमेव जयते

INDIA NON JUDICIAL  
Government of Karnataka

e-Stamp

Certificate No. : IN-KA23653151422436P  
Certificate Issued Date : 25-Apr-2017 03:29 PM  
Account Reference : NONACC (FI)/ kacrsf108/ KARANGALPADY/ KA-DK  
Unique Doc. Reference : SUBIN-KAKACRSFL0895912938239239P  
Purchased by : YENEPLOYA UNIVERSITY  
Description of Document : Article 12 Bond  
Description : M O U  
Consideration Price (Rs.) : 0  
(Zero)  
First Party : YENEPLOYA UNIVERSITY  
Second Party : MAHATHMAGANDHI UNIVERSITY KOTTAYAM  
Stamp Duty Paid By : YENEPLOYA UNIVERSITY  
Stamp Duty Amount(Rs.) : 100  
(One Hundred only)



-----Please write or type below this line-----

MEMORANDUM OF UNDERSTANDING (MOU)

This agreement is entered into at Mangalore on this 25th day of April, 2017


Between

Yenepoya University, Mangalore, India represented by **Dr. G. Shreekumar Menon, Registrar, of the Other Part.**

  
Registrar  
Yenepoya University  
University Road, Deralakatte  
Mangalore 575 018

Statutory Alert:

1. The authenticity of this Stamp Certificate should be verified at "www.shcilestamp.com". Any discrepancy in the details on this Certificate and as available on the website renders it invalid.
2. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.

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

AND

**Mahatma Gandhi University Kottayam, Kerala, India** (Name & Address of the partnering institution) represented by **Sri M.R. Unii, Registrar of the One Part;**

### **Art. 1 Cooperation**

The purpose of this agreement is to formally express the mutual wish of **Yenepoya University** and **Mahatma Gandhi University/Institute** to develop collaborative teaching, research and exchanges between students, teachers, researchers and staff. This is a legally non-binding agreement which outlines an intention to promote collaboration between the above mentioned institutions. This document would be followed by a Memorandum of Agreement specifying the areas of collaboration and sharing which will have legal binding.

### **Art. 2 Scope of cooperation**

Generally speaking and within the limits of financial means of each institution, the cooperation will take the following form:

- Exchange of information in the field of teaching, teaching practice and research;
- Development of scientific research programmes in fields of common interests.
- Development of joint curriculum and methodologies in teaching and research;
- Organising joint conference, methodology workshop, professional development programmes, training programmes etc
- Promotion of exchanges of teachers, researchers, and other members of staff to participate in different teaching, research and professional training activities;
- Invitation of teachers and researchers to participate in seminars, conferences, courses and meetings on research themes of common interest;
- Promotion of exchange programmes for students for a study, training or research period (the modalities will be defined in a specific student exchange agreement) ;
- Co-direction or co-supervision of doctoral theses;
- Joint scientific publications on common interest fields ;
- Any other project of common interest suggested by either of the two parties.

Nothing in this Memorandum is intended to or shall be deemed to establish an exclusive relationship between the parties or to restrict any activities that either party would otherwise be able to undertake. Nothing in this Memorandum is intended to or shall be deemed to establish any partnership or joint venture between the parties or constitute any

### **Art. 3 Reference documents**

This agreement will be considered as the reference document for any other agreements between the institutions parties to this MoU. Complementary agreements concerning any other programme will give information concerning specific programmes and will be agreed upon and applied by the official representatives of the partner institutions. The field of activities covered by this

  
**Registrar**  
**Yenepoya University**  
University Road, Deralakatte  
Mangalore - 575 018

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

agreement will be determined by the means available in each institution and by the funding obtained.

#### Art. 4 Validity

The present agreement takes effect as from the date of signature and remains valid for a period of five years. If one party plans to withdraw from the agreement, it must give notice in writing six months in advance, on the understanding that any ongoing programmes actions should be carried through to a successful conclusion.

#### Art. 5 Force Majeure

Without prejudice to accrued liabilities and rights, no Party shall have any liability whatsoever to the other Party or be deemed to be in default by reason of delay or failure in performance under this Agreement to the extent that such delay or failure is caused by or arises from acts or circumstance or events beyond the reasonable control of that Party, including but not limited to acts of god, acts or regulations of any governmental authority, war or national emergency, accident, fire, riot, strikes, lock-outs, industrial disputes, natural catastrophes or epidemics. Each Party shall bear its own losses arising from such force majeure event(s), if any.

All efforts will be made to settle the disputes and differences if any kind arising out of, or in connection with this MoU by mutual discussion and consent.

The terms and conditions of this Agreement shall not be disclosed to any third parties without the prior written consent of both Parties.

This agreement shall be governed by the laws of Union of India and State of Kerala/Karnataka

IN WITNESS WHEREOF, the parties hereto have caused this agreement to be executed in duplicate, at ....., Kerala the day and year first above written:

**Yenepoya University**  
Registrar  
Yenepoya University

University Road, Doralakatte  
Mangalore - 575 018

Name : Dr. G. Shreekumar Menon

Désignation : Registrar

Place : Mangalore

Date : 25.04.2017



**Mahatma Gandhi University**

Name : Sr. M.R. Unni

Désignation : Registrar

Place : Kottayam

Date : **Dr. Gangadhara Somayaji KS**  
Registrar  
Yenepoya (Deemed to be University)  
University Road, Doralakatte  
Mangalore 575 018, Karnataka.

REGISTRAR

ATTESTED




Annexures: Nil

Witnesses

1 Ruhla P. D.  
25/4/2017.

2 Anees B.  
25/04/2017

Witnesses

1   
Prof. Dr. Sabu Thomas.

2   
Dr Hanna J Manca

ATTESTED  


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