



MEMORANDUM OF UNDERSTANDING

BETWEEN

DEPARTMENT OF MICROBIOLOGY,
UNIVERSITY COLLEGE,

U. P. MALYA ROAD, HAMPANAKATTE, MANGALURU, D.K., KARNATAKA, INDIA

&

DEPARTMENT OF NANO TECHNOLOGY,
SRINIVAS INSTITUTE OF TECHNOLOGY,

VALACHIL, MERLAPADAVU, MANGALURU, D.K., KARNATAKA, INDIA

This Memorandum of Understanding (MoU) is made on this day of 06-10-2016 between two parties namely Department of Microbiology, University College (Institute - I), with registered address as University College, U.P. Malya Road, Hampanakatte, Mangaluru, D. K., Karnataka, India

AND

Department of Nano Technology, Srinivas Institute of Technology (Institute-II) with registered address as Srinivas Institute of Technology, Srinivas Campus, Valachil, Mangaluru, D. K., Karnataka, India

Department of Microbiology, University College (Institute - I) and Department of Nano Technology, Srinivas Institute of Technology (Institute-II) are referred as the "Parties" or individually as "Party".

Whereas

- a) University College (Institute-I) Mangalore, which came into existence to cater to the educational needs of the marginalized sections of the society of Mangalore, has stood the test of time for over 148 years. The Government of Karnataka handed over the College to Mangalore University on 1993 with the name 'University College'. University College has been accredited with "A+" grade by NAAC. It has also received a "Heritage Tag" as the college is about to complete 150 years and recognised as "Centre for potential excellence" by UGC.
- b) Srinivas Institute of Technology (Institute-II) was established in 2006 with the aim of producing world-class technology graduates tuned to the demands of a fast changing global village. SIT has gained the name as the best, self financed, engineering college in Karnataka in terms of infrastructural facilities. Srinivas Institute of Technology (SIT) is a unit of Srinivas Group of Colleges, Mangalore and is affiliated to Visvesvaraya Technological University (VTU), Belgaum, India and recognized by the All India Council for Technical Education (AICTE), New Delhi, India. The Institute is located at Srinivas Campus at Valachil.

Purpose:

The Parties recognise that there exists a significant set of common shared values, missions, goals and constituencies of their organisations.

This MoU articulates the intentions of the parties to work cooperatively and does not create any legally binding commitments.

The objectives of the MoU are:

1. To assist and guide the students for projects and their research leading to PhD.
2. To conduct seminar, symposium, workshops conference, etc. with mutual collaborations.
3. Field visits to know the departments and the activities.
4. As per the convenience, concerned authorities' regular meeting to review the progress and activities of both the departments is suggestive.
5. To organise other activities of mutual academic interest for the students.

Administrative Terms and Conditions**Financial Liability:**

This MoU will be done without any financial liability on either side. However, the Parties are at liberty to approach funding agencies, independently or jointly, which may provide them funding. The disbursement/utilisation of the funds received by a Party or the Parties shall be done in accordance with the terms and conditions imposed by the funding agency or agencies as applicable.

Declaration:

All the work undertaken by both the parties, as a part of the MoU will be in good faith and based on the availability of human resources, and funds generated from various funding agencies.

Conflict of interest:

In the event of any dispute arising in respect of any provision of this MoU, the Parties shall make every reasonable effort to resolve all issues fairly by mutual negotiation. Any dispute, which cannot be settled amicably, shall be referred to the Head of the Department of both the Parties.

Term:

This MoU shall be effective from this day 06-10-2016 and shall continue in force for a period of Five years. Any extension of the term shall be subject to the mutual written agreement of the Parties.

Amendments:

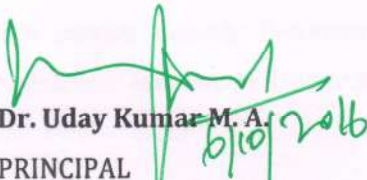

This MoU may be amended or modified in scope and/or content by the written agreement signed by the representatives of both Parties and ratified by the Heads of Departments of the collaborating Institutions and will henceforth be an integral part of the MoU between the two Parties.

Termination



This MoU may be terminated by either party by giving to the other Party a six month's advance written notice signed duly by the faculty representative and the Head of the Institution which seeks to annul the MoU beyond a stipulated date.

Whereas this MoU shall be abiding to the Parties hereto and no party shall have the right to assign or transfer any right or obligation hereunder in whole or in part to any third party without prior written consent of other parties, this MoU will be effective from the date of signature by parties and their witnesses as follows.

Signed by:

For and on behalf of the Institute-I	For and on behalf of the Institute-II
 Dr. Uday Kumar M. A. 6/10/2016 PRINCIPAL University College, Mangaluru Principal University College, Mangaluru	 Dr. Srinivasa Mayya D. PRINCIPAL Srinivas Institute of Technology, Mangaluru Principal Srinivas Institute of Technology Merlapadavu, Valachil Farangipete, Mangalore-574 143

Witness:

 6/10/16 1. Name: Dr. Bharathi Prakash Assistant Professor and Head Department of Microbiology University College, Mangaluru	 6/10/2016 1. Name: Dr. Prasad P. Professor and Head, Department of Nano Technology, Srinivas Institute of Technology, Mangaluru
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**COMPARATIVE ANALYSIS OF SUSTAINABILITY PRACTICES AND
AWARENESS AMONG THE RURAL POPULATION IN THE
VICINITY OF KATHMANDU AND MANGALORE**

MEMORANDUM OF AGREEMENT

Between

**SRINIVAS SCHOOL OF ARCHITECTURE,
SRINIVAS INSTITUTE OF TECHNOLOGY, VALACHIL
MANGALORE,**

INDIA

&

**DEPARTMENT OF CIVIL AND GEOMATICS ENGINEERING,
KATHMANDU UNIVERSITY, DHULIKHEL,
NEPAL**

This Memorandum of Agreement(MoA) is made on this day of, 2016 between two parties namely Department of Architecture, Srinivas Institute of Technology (Institute-I) with registered address as Srinivas Institute of Technology, Srinivas Campus, Valachil, Mangalore, India.

AND

Department of Civil and Geomatics Engineering, Kathmandu University (Institute –II) with registered address as Kathmandu University, Dhulikhel, Nepal.

Srinivas School of Architecture, Srinivas Institute of Technology (Institute-I) and Department of Civil and Geomatics Engineering, Kathmandu University (Institute –II) are referred as the “Parties” or individually as “Party”.

Whereas

- a) Srinivas Institute of Technology (Institute-I) was established in 2006 with the aim of producing world-class technology graduates tuned to the demands of a fast changing global village. SIT has gained the name as the best, self financed, engineering college in Karnataka in terms of infrastructural facilities. Srinivas Institute of Technology (SIT) is a unit of Srinivas Group of Colleges, Mangalore and is affiliated to Visvesvaraya Technological University (VTU), Belgaum, India and recognized by the All India Council for Technical Education (AICTE), New Delhi, India. The Institute is located at Srinivas Campus at Valachil.
- b) Kathmandu University (KU) is an autonomous, not-for-profit, non - government institution, established in the year 1991, dedicated to maintain high standards of academic excellence. It is committed to develop leaders in professional areas through quality education. The main thrust of KU is to make it a research-cum-teaching university in science, management, engineering, medical sciences, arts, education and law.

PURPOSE:

The Parties recognise that there exists a significant set of common shared values, missions, goals and constituencies of their organisations.

This MoA articulates the intentions of the parties to work cooperatively and does not create any legally binding commitments. Parties agree to undertake the joint project on "Comparative Analysis of Sustainability Practices and Awareness among the rural population in the vicinity of Kathmandu and Mangalore". The project will focus on rural settlements around Mangalore and Kathmandu City and the study will focus on three parameters of environmental sustainability namely; Energy, Water and Waste of selected villages. The objectives of the Project are:-

- a) To conduct a detailed study of history and the growth pattern of the existing villages identified specifically for the purpose of the Project, through land use maps.
- b) To assess and analyze the social and economical conditions of the rural populace as well as the level of their Sustainability awareness
- c) To assess the traditional and contemporary practices adopted by the rural populace and their impact on sustainability.
- c) To carry out a comparative assessment of sustainability awareness and measures adopted in villages of both the countries.

Expected deliverables from the project will be in the form of a report prepared jointly by the Parties containing tabulated data collected based on the surveys conducted and in the form of publications in Journals, Seminars, Symposia, Workshops or Conferences wherein the faculty representatives from both the institutions will be the joint authors.

Administrative Terms and Conditions

Financial Liability:

This collaborative project will be done without any financial liability on either side. However, the Parties are at liberty to approach funding agencies, independently or jointly, which may provide them funding. The disbursement/utilisation of the funds received by a Party or the Parties shall be done in accordance with the terms and conditions imposed by the funding agency or agencies as applicable. However to meet the objectives of the Proposed Project it is expected that each Party shall provide local hospitality and travel assistance to the visiting party and render such assistance during site visits as may be required to fulfil the objectives of the Project.

Declaration:

All the work undertaken by both the parties, as a part of the project will be in good faith and based on material /data/other relevant information collected from the various resources either onsite and offsite.

Conflict of interest:

In the event of any dispute arising in respect of any provision of this MoA, the Parties shall make every reasonable effort to resolve all issues fairly by mutual negotiation. Any dispute, which cannot be settled amicably, shall be referred to the Head of the Department of both the Parties.

Term:

This MoA shall be effective from this day..... and shall continue in force for a period of three years. Any extension of the term shall be subject to the mutual written agreement of the Parties.

Amendments:

This MoA may be amended or modified in scope and/or content by the written agreement signed by the representatives of both Parties and ratified by the Heads of Departments of the collaborating Institutions and will henceforth be an integral part of the MoA between the two Parties.

Intellectual Property Rights (IPR)

The intellectual property generated/ created /invented in the due course of the project shall be duly protected by both parties. The IP in the form of Patent(s)/Publication(s) or otherwise will be owned jointly by both the parties. This condition shall henceforth apply without prejudice to the cessation or the annulment of the MoA to which both Parties are signatory through their Faculty representatives and the respective Heads of their Institutions.

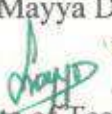
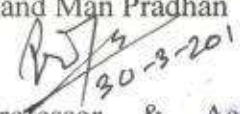

Any changes/Amendments to the IPR provisions contained herein can be made at any stage by mutual consent.

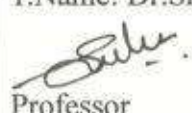
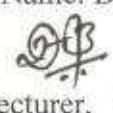
Termination

This MoA may be terminated by either party by giving to the other Party a six month's advance written notice signed duly by the faculty representative and the Head of the Institution which seeks to annul the MoA beyond a stipulated date. However, to honour the spirit of cooperation that resulted in the negotiation and signing of the aforesaid MoA of IPR rights as may be existing before the annulment of the MoA shall be held to be inviolate.

Whereas this MoA shall be abiding to the Parties hereto and no party shall have the right to assign or transfer any right or obligation hereunder in whole or in part to any third party without prior written consent of other parties, this MoA will be effective from the date of signature by parties and their witnesses as follows.

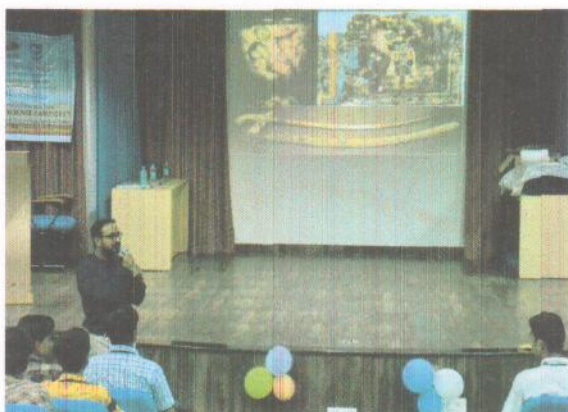
Signed by:

For and on behalf of the Institute-I	For and on behalf of the Institute-II
<p>Dr. Shrinivasa Mayya D</p> <p></p> <p>Srinivas Institute of Technology, Mangalore PRINCIPAL SRINIVAS INSTITUTE OF TECHNOLOGY Valachil, Merlapadavu Farangipete Post, Mangaluru-574 143</p>	<p>Dr. Prachand Man Pradhan</p> <p> 30-3-2016</p> <p>Asst. Professor & Act. Head of Department of Civil and Geomatics Engineering School of Engineering Kathmandu University</p> 

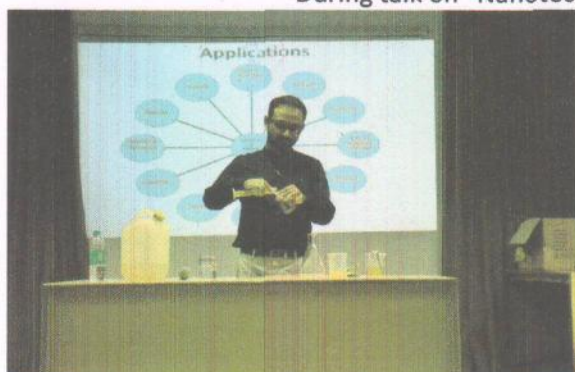
Witness:	
<p>1.Name: Dr.Shaila Bantanur</p> <p> 30/3/2016</p> <p>Professor Srinivas School of Architecture Srinivas Institute of Technology, Mangalore</p>	<p>1.Name: Dr. Deepak Raj Bhat</p> <p> 30-3-2016</p> <p>Lecturer, Dept. of Civil & Geomatics Engineering School of Engineering, Kathmandu University</p>

Report on
DST INSPIRE INTERNSHIP SCIENCE CAMP – 2017
(Innovation in science pursuit for inspired research)
Sponsored by Department of Science & Technology, Govt. of India
Organized by Department of Microbiology, Mangalore University

The Dept. of Nano technology has signed a MOU with Dept. of Microbiology, Mangalore University in the year 2017-18. The Dept. of Microbiology, Mangalore University has organized 5 days DST Inspire Internship Science Camp for around 300 P.U. students from 14th November to 18th November 2017. Prof. Shareefraju J. Ukkund, Asst. Professor, Dept. of Nano Technology, Srinivas Institute of Technology has been invited as a resource person & delivered a talk on 'Nanotechnology and its applications'. This was followed by a workshop on 'Biosynthesis of Nanomaterials by using plants and microbes' along with student coordinators Mr. Jithin John, 7th Semester, Dept. of Nano technology. In the workshop the synthesis of silver nanoparticles from bacteria and plant extracts were demonstrated successfully.




During talk on "Nanotechnology and its Applications"



During Demonstration on "Biosynthesis of silver nanoparticles from Plant extract and Microbes"


(Shareefraju J. Ukkund)


PRINCIPAL
SRINIVAS INSTITUTE OF TECHNOLOGY
Valachil, Merlapadavu
Farangipete Post, Mangaluru-574143


HOD
Head of the Department
Dept. of Nano Technology
Srinivas Institute of Technology
Valachil, Farangipete Post
MANGALORE-574 143