



**YENEPOYA**  
(DEEMED TO BE UNIVERSITY)  
Recognized under Sec 3(A) of the UGC Act 1956  
Accredited by NAAC with 'A' Grade

## Details of the Collaborative Activity

2020-21

**Name of the Collaborating Institute:** St Aloysius College (Autonomous), Mangalore, Karnataka, India.

**Name of the Collaborating Department:** Yenepeya Research Center; Department of MSW Yenepeya Medical College & Hospital.

Year of MoU: 2017

### Student Training:

#### *Field work training MSW students at Department of MSW*

- 2020-21: 07 students

#### *Joint Research Projects and Publications*

1. Patavardhan SS, Awasthi K, Suresh S, Subba P, Najar MA, D'Souza L, Nivas SK, Prasad, TS K. Proteome dataset of chili pepper plant (*Capsicum frutescens*) infested by broad mite (*Polyphagotarsonemus latus*). *Data in Brief*. 2021: 36, 107095.
2. Patavardhan SS, Subba P, Najar A, Awasthi K, D'Souza L, Prasad TSK, Nivas SK, Plant-Pathogen Interactions: Broad Mite (*Polyphagotarsonemus latus*)-Induced Proteomic Changes in Chili Pepper Plant (*Capsicum frutescens*). *OMICS: A Journal of Integrative Biology*. 2020; 24(12):714-725.

ATTESTED

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

ಸಂತ ಆಲೋಷಿಯಸ್ ಕಾಲೇಜು  
(ಸ್ವಾಯತ್ತ)  
ಫೋನ್: 575 003



**ST ALOYSIUS COLLEGE**  
(AUTONOMOUS)  
P.B. NO. 720  
MANGALURU - 575 003, INDIA  
Phone: +91 - 0824 - 2449701, 2449709  
Fax: 0824-2449705  
email: principal\_sac@yahoo.com  
website: www.staloyus.edu.in

Re-accredited by NAAC with 'A' Grade - CGPA 3.52  
Ranked 94 in College Category - 2018 Under NIRF, MHRD, Government of India.  
Recognised by UGC as "College with Potential for Excellence"  
College with 'STAR STATUS' conferred by DET, Govt. of India.

Date: 17/02/2020

The Registrar  
Yenepoya Medical College Hospital  
Derlakatte

Dear Sir/Madam

**Sub: Request for Field Work Training for II MSW students for the  
period of March 2021 - May 2021**

Greetings from St Aloysius College (Autonomous), Mangalore

We have been collaborating with various health organisations in Mangalore for the past few years in providing field training to our students in Medical & Psychiatric Social Work and we have always received positive support.

Field training is an integral part of Social Work education. In this regard we seek your permission in providing field training for *three* of our II MSW students for Field Work training for two days in a week (Thursday & Friday) for IV semester starts from March, 2021 to May, 2021. Their field Work begins from 4 March, 2021(Thursday). They will abide by the rules and regulations of your institution during their training period.

Thank you for your support and guidance in our educational venture.

Thank You

Yours Sincerely

*Praveen*  
Rev. Dr Praveen Martis SJ  
Principal



ATTESTED  
*le*

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

*Submitted to the Registrar*  
The request may be considered. As this permission will be for one semester Rs 3000/- fee per student may be fixed.

*22/02/2021*  
Dr. Mohammed Guthigar  
HOD - MSW  
Yenepoya (Deemed to be University)



**YENEPOYA**

(DEEMED TO BE UNIVERSITY)

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

YU/REG/ACA/Field-work/2021

22.02.2021

Principal  
St. Aloysius College (Autonomous)  
Mangalore - 575003

Sir,

Sub: II MSW students for Field Work Training

Ref: Your Letter dated 12.12.2020

\*\*\*\*\*

Yenepoya (Deemed to be University) is pleased to permit II year MSW students (IV Semester Medical and Psychiatric Social Work) of your college to undergo field work training at MSW Department, Yenepoya Medical College Hospital for two days in a week (Thursday, Fridays) from 4 March, 2021 to May, 2021.

The students will have to pay training fee @ Rs.3000/- per student. The amount should be paid at Yenepoya Accounts Section and receipt shown to HoD I/C, MSW.

The students may be intimated to the HoD I/C, MSW and shall report to the Medical Supdt., Yenepoya Medical College Hospital before starting the training and shall abide by the Hospital rules and regulations. Please instruct them accordingly.

Thanking you,

Yours faithfully,

*Dr. Somayaji*

**REGISTRAR**

Shr

*Somayaji*  
Copy to:

1. Finance Officer
2. Medical Superintendent
3. Chief Operating Officer, YMCH

**ATTESTED**

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





**YENEPOYA MEDICAL COLLEGE HOSPITAL**  
(A CONSTITUENT COLLEGE OF YENEPOYA (DEEMED TO BE UNIVERSITY), Recognised under Sec 3 (A) of the UGC Act, 1956)  
Accredited by NAAC with 'A' Grade

University Road, Deralakatte, Mangalore - 575 018. Ph. : 2204668 / 69 / 70, Fax : 0824 - 2202193



Certificate No. H - 2019 - 0518  
March 31, 2019 - March 30, 2022

## DEPARTMENT OF MSW

### CERTIFICATE

This is to certify that **Ms. ANNA PRINCE** II year M.S.W student of St. Aloysius College (Autonomous), Mangalore was placed at our hospital for field work placement from 11.03.2021 to 01.04.2021 in Medical and Psychiatric setting. During this period she was mainly involved in:

- Studying the hospital- history and of functioning of various inpatient and outpatient departments.
- Information regarding various services provided by the hospital to the patients through different schemes and programmes.
- Conducting case study of patients to ascertain their psychosocial background and respond to their Psycho-social needs in the hospital.
- Organization and conduct group work and group education programmes for patients and their caretakers.
- Counseling and providing psycho education to the patients and their family members.
- Attending the weekly conferences conducted by the agency supervisor.

Her overall performance during the field placement period was found good.

09.10.2021

HOD

**Department of MSW**  
Dr. Mohammed Guthigar  
HOD - MSW  
Yenepoya (Deemed to be University)

ATTESTED

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





## DEPARTMENT OF MSW

### CERTIFICATE

This is to certify that **Ms. SHARON CRASTA** II year M.S.W student of St. Aloysius College (Autonomous), Mangalore was placed at our hospital for field work placement from 15.09.2021 to 08.10.2021 in Medical and Psychiatric setting. During this period she was mainly involved in:

- Studying the hospital- history and of functioning of various inpatient and outpatient departments.
- Information regarding various services provided by the hospital to the patients through different schemes and programmes.
- Conducting case study of patients to ascertain their psychosocial background and respond to their Psycho-social needs in the hospital.
- Organization and conduct group work and group education programmes for patients and their caretakers.
- Counseling and providing psycho education to the patients and their family members.
- Attending the weekly conferences conducted by the agency supervisor.

Her overall performance during the field placement period was found good.

09.10.2021

**HOD**  
**Department of MSW**  
Dr. Mohammed Guthigar  
HOD - MSW  
Yenepoya (Deemed to be University)

**ATTESTED**

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



## YENEPOYA MEDICAL COLLEGE HOSPITAL

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Certificate No. H - 2019 - 0818  
March 31, 2019 - March 30, 2022

# DEPARTMENT OF MSW

## CERTIFICATE

This is to certify that **Mr. ALBIN SHAJI** II year M.S.W student of St. Aloysius College (Autonomous), Mangalore was placed at our hospital for field work placement from 15.09.2021 to 08.10.2021 in Medical and Psychiatric setting. During this period he was mainly involved in:

- Studying the hospital- history and of functioning of various inpatient and outpatient departments.
- Information regarding various services provided by the hospital to the patients through different schemes and programmes.
- Conducting case study of patients to ascertain their psychosocial background and respond to their Psycho-social needs in the hospital.
- Organization and conduct group work and group education programmes for patients and their caretakers.
- Counseling and providing psycho education to the patients and their family members.
- Attending the weekly conferences conducted by the agency supervisor.

His overall performance during the field placement period was found good.

09.10.2021

HOD

Department of MSW  
Dr. Mohammed Guthigar  
HOD - MSW  
Yenepoya (Deemed to be University)

ATTESTED

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



# YENEPOYA MEDICAL COLLEGE HOSPITAL

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Certificate No. - 2019-2018  
March 31, 2019 - March 31, 2022

## DEPARTMENT OF MSW

### CERTIFICATE

This is to certify that **Ms. KARABI TAROH** II year M.S.W student of St. Aloysius College (Autonomous), Mangalore was placed at our hospital for field work placement from 15.09.2021 to 08.10.2021 in Medical and Psychiatric setting. During this period she was mainly involved in:

- Studying the hospital- history and of functioning of various inpatient and outpatient departments.
- Information regarding various services provided by the hospital to the patients through different schemes and programmes.
- Conducting case study of patients to ascertain their psychosocial background and respond to their Psycho-social needs in the hospital.
- Organization and conduct group work and group education programmes for patients and their caretakers.
- Counseling and providing psycho education to the patients and their family members.
- Attending the weekly conferences conducted by the agency supervisor.

Her overall performance during the field placement period was found good.

09.10.2021

HOD

Department of MSW  
Dr. Mohammed Guthigar  
HOD - MSW  
Yenepoya (Deemed to be University)

ATTESTED

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





**YENEPOYA MEDICAL COLLEGE HOSPITAL**  
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Certificate No H-2019-0818  
March 31, 2019 - March 30, 2022

## DEPARTMENT OF MSW

### CERTIFICATE

This is to certify that **Mr. JOBIN CHERIYAN** II year M.S.W student of St. Aloysius College (Autonomous), Mangalore was placed at our hospital for field work placement from 11.03.2021 to 01.04.2021 in Medical and Psychiatric setting. During this period he was mainly involved in:

- Studying the hospital- history and of functioning of various inpatient and outpatient departments.
- Information regarding various services provided by the hospital to the patients through different schemes and programmes.
- Conducting case study of patients to ascertain their psychosocial background and respond to their Psycho-social needs in the hospital.
- Organization and conduct group work and group education programmes for patients and their caretakers.
- Counseling and providing psycho education to the patients and their family members.
- Attending the weekly conferences conducted by the agency supervisor.

His overall performance during the field placement period was found good.

09.10.2021

HOD

Department of MSW  
Dr. Mohammed Guthigar  
HOD-MSW  
Yenepoya (Deemed to be University)

ATTESTED

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



**YENEPOYA MEDICAL COLLEGE HOSPITAL**  
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Certificate No. H - 2019 - 0618  
March 31, 2019 - March 30, 2022

## DEPARTMENT OF MSW

### CERTIFICATE

This is to certify that **Ms. MASTEENA MATHEW** II year M.S.W student of St. Aloysius College (Autonomous), Mangalore was placed at our hospital for field work placement from 11.03.2021 to 01.04.2021 in Medical and Psychiatric setting. During this period she was mainly involved in:

- Studying the hospital- history and of functioning of various inpatient and outpatient departments.
- Information regarding various services provided by the hospital to the patients through different schemes and programmes.
- Conducting case study of patients to ascertain their psychosocial background and respond to their Psycho-social needs in the hospital.
- Organization and conduct group work and group education programmes for patients and their caretakers.
- Counseling and providing psycho education to the patients and their family members.
- Attending the weekly conferences conducted by the agency supervisor.

Her overall performance during the field placement period was found good.

09.10.2021

HOD

**Department of MSW**  
Dr. Mohammed Guthigar  
HOD - MSW  
Yenepoya (Deemed to be University)

ATTESTED

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



## YENEPOYA MEDICAL COLLEGE HOSPITAL

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Certificate No. H-2019-0618  
March 31, 2019 - March 30, 2022

# DEPARTMENT OF MSW


## CERTIFICATE

This is to certify that **Mr. PRINCE SEBASTIAN** II year M.S.W student of St. Aloysius College (Autonomous), Mangalore was placed at our hospital for field work placement from 15.09.2021 to 08.10.2021 in Medical and Psychiatric setting. During this period he was mainly involved in:


- Studying the hospital- history and of functioning of various inpatient and outpatient departments.
- Information regarding various services provided by the hospital to the patients through different schemes and programmes.
- Conducting case study of patients to ascertain their psychosocial background and respond to their Psycho-social needs in the hospital.
- Organization and conduct group work and group education programmes for patients and their caretakers.
- Counseling and providing psycho education to the patients and their family members.
- Attending the weekly conferences conducted by the agency supervisor.

His overall performance during the field placement period was found good.

09.10.2021

  
**HOD**  
**Department of MSW**  
Dr. Mohammed Guthigar  
HOD-MSW  
Yenepoya (Deemed to be University)

**ATTESTED**

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





St Aloysius

## Data Article

# Proteome dataset of chili pepper plant (*Capsicum frutescens*) infested by broad mite (*Polyphagotarsonemus latus*)



Sachin S. Patavardhan<sup>a,c</sup>, Kriti Awasthi<sup>b</sup>, Suhasini Suresh<sup>a</sup>,  
Pratigya Subba<sup>b</sup>, Mohd Altaf Najar<sup>b</sup>, Leo D'Souza<sup>a</sup>,  
Shashi Kiran Nivas<sup>a,\*</sup>, Thottethodi Subrahmanya Keshava Prasad<sup>b,\*</sup>

<sup>a</sup>Laboratory of Applied Biology, St Aloysius College (Autonomous), Mangalore, India

<sup>b</sup>Center for Systems Biology and Molecular Medicine, Yenepoya Research Centre, Yenepoya (Deemed to be University), Mangalore, India

<sup>c</sup>Department of Biosciences, Mangalore University, Mangalore, India

## ARTICLE INFO

## Article history:

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Accepted 16 April 2021

Available online 25 April 2021

## Keywords:

*Capsicum frutescens*

Mass spectrometry

Proteomics

Plant-pathogen interactions

Agriproteomics

Broad mite

## ABSTRACT

The dataset presented in this article is associated with the TMT (Tandem mass tag) labeled proteomics of chili pepper plant (*Capsicum frutescens*) infested by a broad mite (*Polyphagotarsonemus latus*). Data was captured using a nano liquid chromatography system coupled with high-resolution Orbitrap FusionTribridmass spectrometer. Proteomics data was analyzed using the Proteome Discoverer version 2.4 tool using MASCOT and SequestHT algorithms. We have identified a total of 5,807 proteins supported by 48,555 unique peptides and 1,279,655 peptide-spectrum matches. Individually, 5,186 proteins were detected in healthy leaf samples, 5,193 in infested leaf sample, 5,194 proteins in healthy meristem sample, and 5,196 proteins in infested meristem samples. Datasets obtained from reciprocal blast against the *Arabidopsis thaliana* proteome database enabled the prediction of protein-protein interactions, and subcellular localization of differentially expressed proteins, which are also included in this article. Data presented in this article has been deposited in the ProteomeXchange Consortium via the PRIDE

## \* Corresponding authors.

E-mail addresses: [sachin271093@gmail.com](mailto:sachin271093@gmail.com) (S.S. Patavardhan), [skirannivas@gmail.com](mailto:skirannivas@gmail.com) (S.K. Nivas), [keshav@yenepoya.edu.in](mailto:keshav@yenepoya.edu.in) (T.S.K. Prasad).

<https://doi.org/10.1016/j.dib.2021.107095>

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le ATTESTED

Dr. Gangadhara Somayaji K  
Registrar  
Yenepoya (Deemed to be Univ  
University Road, Deralaka  
Mangalore- 575 018, Karnat

**COVID-19 Information**[Public health information \(CDC\)](#)[Research information \(NIH\)](#)[SARS-CoV-2 data \(NCBI\)](#)[Prevention and treatment information \(HHS\)](#)[Español](#)

## FULL TEXT LINKS



OMICS. 2020 Dec;24(12):714-725. doi: 10.1089/omi.2020.0080. Epub 2020 Aug 11.

## Plant-Pathogen Interactions: Broad Mite (*Polyphagotarsonemus latus*)-Induced Proteomic Changes in Chili Pepper Plant (*Capsicum frutescens*)

Sachin S Patavardhan<sup>1, 2</sup>, Pratigya Subba<sup>3</sup>, Altaf Najar<sup>3</sup>, Kriti Awasthi<sup>3</sup>, Leo D'Souza<sup>1</sup>, Thottethodi Subrahmanya Keshava Prasad<sup>3</sup>, Shashi Kiran Nivas<sup>1</sup>

## Affiliations

**Affiliations**

- 1 Laboratory of Applied Biology, St Aloysius College (Autonomous), Mangalore, India.
- 2 Department of Biotechnology, Mangalore University, Mangalore, India.
- 3 Center for Systems Biology and Molecular Medicine, Yenepoya Research Center, Yenepoya (Deemed to be University), Mangalore, India.

PMID: 32780627 DOI: 10.1089/omi.2020.0080

**Abstract**

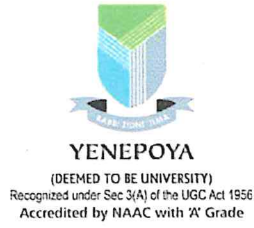
Plant-pathogen interactions are key biological events that shape ecological dynamics, food production, agriculture and economy. In this context, *Capsicum frutescens* is an economically and culturally significant chili pepper plant grown widely across the globe as an essential ingredient of hot sauces, chili concentrates, oleoresin flavors, and also in traditional medicines. An important pathogen that limits chili cultivation causing low yield and economic loss is the broad mite, *Polyphagotarsonemus latus*. Broad mite-infested chili plants have stunted growth and leaves appear coppery and dark, which show symptoms of leaf curl and more importantly the smaller fruits unfit for consumption. The molecular mechanisms of how broad mite affect chili remain poorly understood. In this study, we report a tandem mass tag (TMT)-labeled mass spectrometry-based quantitative proteomic analysis of leaves and apical meristems of healthy and infected chili pepper plants. In total, we identified 5799 proteins, of which 1677 proteins were found to be differentially regulated in infested plants. Related signaling pathways of the differentially expressed proteins were examined using bioinformatics tools. Predominantly, we identified pathways associated with jasmonic acid synthesis, mitogen-activated protein kinase, and plant defense and hormone signal transduction. We also observed upregulation of several enzymes of the phenylpropanoid and carotenoid biosynthetic pathways. This study provides the first in-depth proteomic analysis that correlates broad mite infestation in chili and dysregulation of various pathways that take part in plant defense. In the future, data can be extrapolated for innovation in pest management methods whose ecological footprints are better understood.

**Keywords:** *Capsicum frutescens*; agriproteomics; broad mite; mass spectrometry; plant-pathogen interactions; proteomics.

ATTESTED



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



## Details of the Collaborative Activity

2019-20

**Name of the Collaborating Institute:** St Aloysius College (Autonomous), Mangalore, Karnataka, India.

**Name of the Collaborating Department:** Yenepoya Research Center; Department of MSW Yenepoya Medical College & Hospital.

Year of MoU: 2017

### Student Training:

#### *Field work training MSW students at Department of MSW*

- 2019-20: 04 students

ATTESTED  


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



ಸಂತ ಆಲೋಷಿಯಸ್ ಕಾಲೇಜು  
(ಸ್ವಾಯತ್ತ)  
ಮಂಗಳೂರು 575 003



**ST ALOYSIUS COLLEGE**  
(AUTONOMOUS)  
P.B. NO. 720  
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Phone : +91 - 0824 - 2449700, 2449701  
Fax : 0824-2449709  
email : principal\_sac@yahoo.com  
website: www.staloysius.edu.in

Re-accredited by NAAC with 'A' Grade - CGPA 3.62  
Ranked 94 in College Category - 2018 Under NIRF, MHRD, Government of India.  
Recognised by UGC as "College with Potential for Excellence"  
College with 'STAR STATUS' conferred by DBT, Govt. of India.

Date: 19.06.2019

The Registrar  
Yenepoya Medicial College Hospital  
Yenepoya Deem to be University  
Derlakatte

Dear Sir/Madam

**Sub: Request for Field Work Placement in Medical & Psychiatric Social Work for II MSW students**

**Greetings! From St Aloysius College (Autonomous), Mangalore.**


It is with your support we have been able to provide field Work experience to our students for the past few years. This opportunity has helped our students to gain knowledge and experience in Social Work Practice. We always remain grateful to you for this collaborative venture.

We once again request you to permit *four* of our II MSW students for field Work training in your esteemed organisation for training in Medical & Psychiatric Social Work & Counselling for two days in a week (Thursday & Friday). Their field Work begins from 11 July 2019. They will abide by the rules and regulations of your institution during their training period.


The following are the names of students placed in your organisation

- |                 |                  |
|-----------------|------------------|
| 1. Anusha David | 2. Aparna Mathew |
| 3. Deeksha M    | 4. Jubin Thomas  |

Thank You  
Yours Sincerely

  
Rev. Dr. Praveen Martis SJ  
Principal



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



YENEPOYA  
DEEMED TO BE UNIVERSITY

# YENEPOYA MEDICAL COLLEGE HOSPITAL

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Accredited by NAAC with 'A' Grade

University Road, Deralakatte, Mangalore - 575 018. Ph. : 2204668 / 69 / 70, Fax : 0824 - 2202193



Certificate No. H-2019-0518  
March 31, 2019 - March 30, 2022

## DEPARTMENT OF MSW

### CERTIFICATE

This is to certify that **Mr. JUBIN THOMAS** II year M.S.W student of St. Aloysius College, Mangalore was placed at our hospital for field work placement for III & IV semester from 11<sup>th</sup> July 2019 to 13<sup>th</sup> March 2020 in Medical and Psychiatric setting. During this period he was mainly involved in:

- Studying the hospital- genesis, structure, functioning of various clinical inpatient and outpatient departments.
- Gathering of information regarding various services provided by the hospital to the patients through different schemes and programmes.
- Conducting case study of patients to ascertain their psychosocial background and respond to their Psycho-social needs in the hospital.
- Organization and conduct group work and group education programmes for patients and their caretakers.
- Counseling and providing psycho education to the patients and their family members.
- Attending the weekly conferences conducted by the agency supervisor.

His overall performance during the field placement period was found good.

25.09.2020

HOD  
Department of MSW

**Dr. Mohammed Guthigar**  
HOD-MSW  
Yenepoya (Deemed to be University)

ATTESTED

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

YU/REG/ACA/Field-work/2019

28.06.2019

Principal  
ST Aloysius College (Autonomous)  
Mangaluru- 575003

Sir,

Sub: Field-work Placement of II MSW students

Ref: Your letter dated 19.06.2019

\*\*\*\*\*

Yenepoya (Deemed to be University) is pleased to permit four II MSW students of your college for field work placement at MSW Department, Yenepoya Medical College Hospital from 11<sup>th</sup> July 2019 two days in a week i.e. Thursdays & Friday.

1. Anusha David
2. Aparna Mathew
3. Deeksha M
4. Jubin Thomas

The student will have to pay training fee @ **Rs.5,000/-** per student. The amount should be paid at Accounts Section and receipt shown to HoD I/C, MSW.

The students may be instructed to report to HoD I/c, MSW and shall abide by the Hospital rules and regulations. Please instruct them accordingly.

Thanking you,

Yours faithfully



**REGISTRAR**

28/6

**ATTESTED**



Copy to:

1. Finance Officer
2. HoD I/c, M.S.W. Dept.
3. Academic Section

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

University Road, Deralakatte, Mangalore-575018

T: +91 824 220 4676 / 4668 /4669 / 4671/ 2192 / 2193 F : +91 824 220 4667 E : [reachus@yenepoya.org](mailto:reachus@yenepoya.org)

[www.yenepoya.edu.in](http://www.yenepoya.edu.in)



**YENEPOYA**  
(DEEMED TO BE UNIVERSITY)  
Recognized under Sec 3(A) of the UGC Act 1956  
Accredited by NAAC with 'A' Grade

## Details of the Collaborative Activity

2018-19

**Name of the Collaborating Institute:** St Aloysius College (Autonomous), Mangalore, Karnataka, India.

**Name of the Collaborating Department:** Yenepoya Research Center; Department of MSW Yenepoya Medical College & Hospital.

Year of MoU: 2017

### Student Training:

#### *Field work training MSW students at Department of MSW*

- 2018-19: 04 students

ATTESTED

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



YU/REG/ACA/Field-work/2018

27.07.2018

The Principal  
St. Aloysius College  
**Mangalore – 575 003**  
**Ph: 0824-2449700/2449709**

Sir,

Sub: Field-work Placement of MSW students

Ref: Your Letter dated 18.07.2018

\*\*\*\*\*

Please refer to your letter dated 18.06.2016.

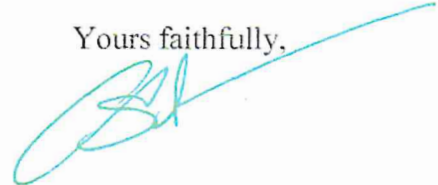
Yenepoya (Deemed to be University) permits your following Four students of II year MSW course of your college to undergo field work training at Department of MSW, Yenepoya Medical College Hospital from July 2018 to April 2019 for two days in a week i.e., Thursdays & Fridays. The students will have to pay training fee @ Rs.2,500/- per month per student , at our Accounts Section and receipt shown to HoD I/C, MSW.

1. Akhila Renison
2. Krishnakripa V M
3. Justin Saji
4. Lalu Kurian

The students may be instructed to report to HoD I/C, MSW. They shall abide by the Hospital rules and regulations. Please instruct them accordingly.

Thanking you,

Yours faithfully,



**(Dr. G. Shreekumar Menon)**  
**REGISTRAR**

Copy to:

1. Finance Officer
2. Chief Operating Officer, YMCH
3. HoD I/c, M.S.W. Dept.
4. Academic Section

**ATTESTED**  


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

University Road, Deralakatte, Mangalore-575018

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[www.yenepoya.edu.in](http://www.yenepoya.edu.in)

# DEPARTMENT OF MSW

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This is to certify that **Ms. AKHILA RENISON** II year M.S.W student of St. Aloysius College, Mangalore was placed at our hospital for field work placement for III & IV semester from 19<sup>th</sup> July 2018 to 4<sup>th</sup> April 2019 in Medical and Psychiatric setting. During this period she was mainly involved in:

- Studying the hospital- genesis, structure, functioning of various clinical inpatient and outpatient departments.
- Gathering of information regarding various services provided by the hospital to the patients through different schemes and programmes.
- Conducting case study of patients to ascertain their psychosocial background and respond to their Psycho-social needs in the hospital.
- Organization and conduct group work and group education programmes for patients and their caretakers.
- Counseling and providing psycho education to the patients and their family members.
- Participation in Medical and Blood Donation camps conducted by YMCH in rural areas.
- Attending the weekly conferences conducted by the agency supervisor.

Her overall performance during the field placement period was found good.

04.04.2019



**HOD**

**Department of MSW**



**ATTESTED**

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

# DEPARTMENT OF MSW

---

## CERTIFICATE

This is to certify that **Ms. KRISHNAKRIPA V.M** II year M.S.W student of St. Aloysius College, Mangalore was placed at our hospital for field work placement for III & IV semester from 19<sup>th</sup> July 2018 to 4<sup>th</sup> April 2019 in Medical and Psychiatric setting. During this period she was mainly involved in:

- Studying the hospital- genesis, structure, functioning of various clinical inpatient and outpatient departments.
- Gathering of information regarding various services provided by the hospital to the patients through different schemes and programmes.
- Conducting case study of patients to ascertain their psychosocial background and respond to their Psycho-social needs in the hospital.
- Organization and conduct group work and group education programmes for patients and their caretakers.
- Counseling and providing psycho education to the patients and their family members.
- Participation in Medical and Blood Donation camps conducted by YMCH in rural areas.
- Attending the weekly conferences conducted by the agency supervisor.

Her overall performance during the field placement period was found good.

04.04.2019

ATTESTED

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

HOD

Department of MSW

# DEPARTMENT OF MSW

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This is to certify that **Mr. JUSTIN SAJI** II year M.S.W student of St. Aloysius College, Mangalore was placed at our hospital for field work placement for III & IV semester from 19<sup>th</sup> July 2018 to 4<sup>th</sup> April 2019 in Medical and Psychiatric setting. During this period he was mainly involved in:

- Studying the hospital- genesis, structure, functioning of various clinical inpatient and outpatient departments.
- Gathering of information regarding various services provided by the hospital to the patients through different schemes and programmes.
- Conducting case study of patients to ascertain their psychosocial background and respond to their Psycho-social needs in the hospital.
- Organization and conduct group work and group education programmes for patients and their caretakers.
- Counseling and providing psycho education to the patients and their family members.
- Participation in Medical and Blood Donation camps conducted by YMCH in rural areas.
- Attending the weekly conferences conducted by the agency supervisor.

His overall performance during the field placement period was found good.

04.04.2019



**HOD**

**Department of MSW**

**ATTESTED**  
*be*

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



# DEPARTMENT OF MSW

---



This is to certify that **Mr. LALU KURIAN** II year M.S.W student of St. Aloysius College, Mangalore was placed at our hospital for field work placement for III & IV semester from 19<sup>th</sup> July 2018 to 4<sup>th</sup> April 2019 in Medical and Psychiatric setting. During this period he was mainly involved in:

- Studying the hospital- genesis, structure, functioning of various clinical inpatient and outpatient departments.
- Gathering of information regarding various services provided by the hospital to the patients through different schemes and programmes.
- Conducting case study of patients to ascertain their psychosocial background and respond to their Psycho-social needs in the hospital.
- Organization and conduct group work and group education programmes for patients and their caretakers.
- Counseling and providing psycho education to the patients and their family members.
- Participation in Medical and Blood Donation camps conducted by YMCH in rural areas.
- Attending the weekly conferences conducted by the agency supervisor.

His overall performance during the field placement period was found good.

04.04.2019

**HOD**

**Department of MSW**

**ATTESTED**

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



**YENEPOYA**  
(DEEMED TO BE UNIVERSITY)  
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Accredited by NAAC with 'A' Grade

## Details of the Collaborative Activity

2017-18

**Name of the Collaborating Institute:** St Aloysius College (Autonomous), Mangalore, Karnataka, India.

**Name of the Collaborating Department:** Yenepoya Research Center; Department of MSW Yenepoya Medical College & Hospital.

### Student Training:

#### *Field work training MSW students at Department of MSW*

- 2017-18: 04 Students

#### *Training in Hospital Administration:*

BCom students at Medical college Hospital

#### *Joint Research Projects and Publications*

1. Swarnalatha NB, Roy N, Gouda MM, Moger R, Abraham A. High-fat, simple-carbohydrate diet intake induces hypothalamic-pituitary-thyroid axis dysregulation in C57BL/6J male mice. *Appl Physiol Nutr Metab.* 2018; 43(4):371-80.

ATTESTED

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



Recognised under Sec. 3(A) of the UGC Act 1956 as per notification number F.9-11/2007.U.3 (A) dated 27-02-2008  
Accredited by NAAC with 'A' Grade

YU/REG/ACA/Field-work/2017

18.07.2017

The Principal  
St. Aloysius College  
**Mangalore -575003**

Sir,

Sub: Field-work Placement of MSW students

Ref: Your Letter dated 12.07.2017

\*\*\*\*\*

Please refer to your letter dated 12.07.2017.

Yenepoya University permits your 4, II MSW Students specializing in Medical & Psychiatric Social Work to undergo field work training for 2 semesters at Yenepoya Medical College Hospital from 13.07.2017 for two days in a week i.e., Thursdays & Fridays. The students will have to pay training fee @ Rs.5,000/- for two semesters. The amount may be paid at Yenepoya Accounts Section and receipt shown.

The students shall abide by the Hospital rules and regulations. Please instruct the students accordingly.

Thanking you,

Yours faithfully,

**REGISTRAR**

*Dr. G. Srinivasan Mendon*  
Registrar  
Yenepoya University

Copy to:

1. Finance Officer
2. Chief Operating Officer, YMCH
3. HoD I/c, M.S.W. Dept.
4. Academic Section

**ATTESTED**

*Dr. Gangadhara Somayaji K.S.*  
Registrar  
Yenepoya (Deemed to be University)  
University Road, Deralakatte  
Mangalore- 575 016, Karnataka

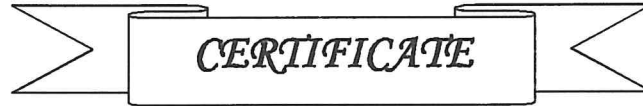
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[www.yenepoya.edu.in](http://www.yenepoya.edu.in)

# DEPARTMENT OF MSW

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This is to certify that Ms. **ALEENA BABY** II year M.S.W student of Aloysius College, Mangalore was placed at our hospital for field work placement for III & IV semester from 13.07.2017 to 05.04.2018 in Medical and Psychiatric setting. During this period she was mainly involved in:

- Studying the hospital- genesis, structure, functioning of various clinical inpatient and outpatient departments.
- Gathering of information regarding various services provided by the hospital to the patients through different schemes and programmes.
- Conducting case study of patients to ascertain their psychosocial background and respond to their Psycho-social needs in the hospital.
- Organization and conduct group work and group educative programmes for patients and their caretakers.
- Counseling and providing psycho education to the patients and their family members.
- Attending the weekly conferences conducted by the agency supervisor.

Her overall performance during the field placement period was found good.

24.04.2018

  
**HOD**  
**Department of MSW**

**ATTESTED**  


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



# DEPARTMENT OF MSW

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This is to certify that Ms. **MEGHA SHAJI C** II year M.S.W student of Aloysius College, Mangalore was placed at our hospital for field work placement for one year from 13.07.2017 to 05.04.2018 in Medical and Psychiatric setting. During this period she was mainly involved in:


- Studying the hospital- genesis, structure, functioning of various clinical inpatient and outpatient departments.
- Gathering of information regarding various services provided by the hospital to the patients through different schemes and programmes.
- Conducting case study of patients to ascertain their psychosocial background and respond to their Psycho-social needs in the hospital.
- Organization and conduct group work and group educative programmes for patients and their caretakers.
- Counseling and providing psycho education to the patients and their family members.
- Attending the weekly conferences conducted by the agency supervisor.

Her overall performance during the field placement period was found good.

24.04.2018

  
**HOD**  
**Department of MSW**

**ATTESTED**

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

# DEPARTMENT OF MSW

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This is to certify that Ms. **SHILPA BABU** II year M.S.W student of Aloysius College, Mangalore was placed at our hospital for field work placement for one year from 13.07.2017 to 05.04.2018 in Medical and Psychiatric setting. During this period she was mainly involved in:

- Studying the hospital- genesis, structure, functioning of various clinical inpatient and outpatient departments.
- Gathering of information regarding various services provided by the hospital to the patients through different schemes and programmes.
- Conducting case study of patients to ascertain their psychosocial background and respond to their Psycho-social needs in the hospital.
- Organization and conduct group work and group educative programmes for patients and their caretakers.
- Counseling and providing psycho education to the patients and their family members.
- Attending the weekly conferences conducted by the agency supervisor.

Her overall performance during the field placement period was found good.

24.04.2018

  
**HOD**  
Department of MSW

  
**ATTESTED**

Dr.Gangadhara Somayaji K.S.  
Registrar  
Yenepoya(Deemed to be University)  
University Road, Deralakatte  
Mangalore- 575 016, Karnataka

# DEPARTMENT OF MSW

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This is to certify that Mr. **JINU P THOMAS** II year M.S.W student of Aloysius College, Mangalore was placed at our hospital for field work placement for one year from 13.07.2017 to 05.04.2018 in Medical and Psychiatric setting. During this period he was mainly involved in:

- Studying the hospital- genesis, structure, functioning of various clinical inpatient and outpatient departments.
- Gathering of information regarding various services provided by the hospital to the patients through different schemes and programmes.
- Conducting case study of patients to ascertain their psychosocial background and respond to their Psycho-social needs in the hospital.
- Organization and conduct group work and group educative programmes for patients and their caretakers.
- Counseling and providing psycho education to the patients and their family members.
- Attending the weekly conferences conducted by the agency supervisor.

His overall performance during the field placement period was found good.

24.04.2018

  
**HOD**  
**Department of MSW**

**ATTESTED**  
  
Dr.Gangadhara Somayaji K.S.  
Registrar  
Yashwantrao Chavan Deemed to be University  
University College, Mangalore  
U. No. 100/2015, Karnataka



YENEPOYA  
UNIVERSITY

Recognised under Sec 3(A) of the UGC Act 1956 as per notification number F.9-11/2007.U.3(A) dated 27-02-2008  
YU/REG/ACA/Project Work 2017 certified by NAAC with 'A' Grade

23.11.2017

Dean  
Faculty of Commerce  
St. Aloysius College  
**Mangalore -575003**

Sir,

Sub: Permission to undergo Project Work

Ref: Your letter dated 03<sup>rd</sup> October, 2017

\*\*\*\*\*

Yenepoya University is pleased to permit Ms. Neola Fernandes, B.Com student of your college to do the project work on the topic "Training & Development" at Yenepoya Medical College Hospital from 1<sup>st</sup> of January, 2018 i.e. two days in a week for 3 Months.

The student shall abide by the Hospital rules and regulations. Please instruct the student to approach the Academic Section at the Registrar's Office of the University before the commencement of the project work.

Thanking you,

Yours faithfully,

(Dr. G. Shreekumar Menon)  
REGISTRAR

Copy to:

1. Finance Officer
2. Dr.Sunita Saldanha, Assoc. Prof. Officer I/C Operations,  
Hospital Administration Department, YMCH
3. Academic Section

Neola  
ATTESTED

Dr.Gangadhara Somayaji K.B.  
Registrar  
Yenepoya/Deemed to be University  
University Road, Deralakatte  
Mangalore- 575 018, Karnataka

University Road, Deralakatte, Mangaluru - 575 018.  
+91 824 220 4676 / 4668 / 4669 / 4671 / 2192 / 2193 F +91 824 220 4667 E reachus@yenepoya.org

www.yenepoya.edu.in





## YENEPOYA

(DEEMED TO BE UNIVERSITY)

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Accredited by NAAC with 'A' Grade

Ref: No. YU/REG/ACA/01/2018

19.03.2018


### CERTIFICATE

This is to certify that Ms. Neola Fernandes, B.com student of Faculty of Commerce at Aloysius College, Mangalore has completed her project work on the topic " Training and Development" at Yenepoya Medical College Hospital for a period of 10 days from 01.03.2018 to 13.03.2018).

  
(Dr. G. Shreekumar Manon)  
Registrar  
mj



**ATTESTED**

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

**High Fat Simple carbohydrate diet intake induces Hypothalamic –Pituitary -Thyroid axis  
dysregulation in C57BL/6J male mice**

Swarnalatha Banavara Nagaraj<sup>1,2</sup>, Neena Roy<sup>1</sup>, Mahesh Manjunath Gouda<sup>3</sup>, Rajeish Moger<sup>4</sup>  
and Asha Abraham<sup>1\*</sup>

1: Father George Albuquerque Pai Cell and Molecular Biology Laboratory, Department of Postgraduate Studies and Research in Biotechnology, St Aloysius College (Autonomous), Mangaluru-575003

2: PG Department of Biochemistry, St Aloysius College (Autonomous), Mangaluru-575003

3: Yenepoya Research Centre, Yenepoya University, Mangaluru-575018

4: Department Fisheries Microbiology, College of Fisheries, Mangaluru-575002.

\* Corresponding author: abraham.asha@gmail.com, Telephone number: +91-9449555802, Fax number: 0824-2449705

Email address: swarnalatha.bn@gmail.com, alphnee90@gmail.com, maheshmg2012@gmail.com, rajbelke@gmail.com.

ATTESTED

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

**ABSTRACT:**

Given the association between subclinical hypothyroidism and metabolic syndrome (MetS), we wanted to explore if high fat simple carbohydrate (HFSC) diet affect hypothalamus-pituitary-thyroid axis. One month old male C57BL/6J mice were fed with Control (C) and HFSC (T) feed (n=18 each) respectively for 5 months. T<sub>3</sub> showed a significant increase in T(13.5%) compared to age matched C by 5<sup>th</sup> month. TSH was significantly high (1mo:1.9fold; 3mo:2.66 fold; 5mo:3.5fold) from 1<sup>st</sup> month to 5<sup>th</sup> month in T compared to age matched C. TRH gene expression showed significant decrease (1mo:83.2%; 5mo:40.7%) in the T compared to age matched C. TRHR<sub>1</sub> showed significant decrease in T compared to age matched C throughout study (1mo:82.8%;3mo:45.7%; 5mo:75.2%). But TRHR<sub>2</sub> showed dynamic change during the study. Initially there was significant (1mo:0.104fold) down regulation, followed by significant upregulation (3mo:3.6 fold) and down regulation (0.73 fold) by 5<sup>th</sup> month in T compared to age matched C. There was marked depletion of functional follicular cells and colloid substance in the thyroid glands of T, by 5<sup>th</sup> month compared to C. Leptin receptors ObRa (1mo:48.25%; 5mo:88%) and ObRb(1mo:46.9%;5mo:63.3%) were significantly downregulated in T compared to age matched C in 1<sup>st</sup> & 5<sup>th</sup> month of feeding the respective diets. The expression of p-STAT3, transcription factor known to have a role in energy balance, intermediate metabolism as well as of leptin signalling was seen to decrease significantly (6.25 fold) in the hypothalamus of T compared to age matched C. In conclusion, HFSC feed disrupts the hypothalamus-pituitary-thyroid axis in male C57BL/6J mice.

**Keywords:** HPT axis, TSH, T<sub>3</sub>, TRH, TRH receptors, thyroid gland, ObR, p-STAT3, Metabolic syndrome, HFSC feed, C57BL/6J mice.

ATTESTED  
b

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



**YENEPOYA**  
(DEEMED TO BE UNIVERSITY)  
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Accredited by NAAC with 'A' Grade

## Details of the Collaborative Activity

2016-17

**Name of the Collaborating Institute:** St Aloysius College (Autonomous), Mangalore, Karnataka, India.

**Name of the Collaborating Department:** Yenepoya Research Center; Department of MSW Yenepoya Medical College & Hospital.

### **Student Training:**

**Field work training MSW students at Department of MSW:** 05 students

### **Research Internship:**

- MSc Biotechnology: 02 Students
- MSc Chemistry : 03 Students

**Training in Hospital Administration:** 01 MBA student

ATTESTED

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



ಸಂತ ಅಲೋಷಿಯಸ್ ಕಾಲೇಜು  
(ಸ್ವಾಯತ್ತ)  
ಮಂಗಳೂರು - 575 003



**ST ALOYSIUS COLLEGE**  
(AUTONOMOUS)  
MANGALORE - 575 003  
Phone: 0824-2449700, 2449709  
Fax: 0824-2449705  
Email: principal\_sac@yahoo.com

Re-accruited by N.A.A.C. with 'A' Grade  
Recognized as "College with Potential for Excellence" by UGC

Date: 14/07/2016

The Superintendent  
Yenepoya Medical College Hospital  
Derlakatte

Respected Sir/Madam

Greetings from St Aloysius College (Autonomous), Mangaluru.

**Sub: Field Placement of II MSW Students**


We are extremely grateful to you for permitting three of our students to undergo Field Work Training in your esteemed organization for two days in a week (Thursday & Friday). The students begin their work from 14/07/2016. The students have been asked to abide by the rules and regulations of your organization during the period of their placement.

The following are the names of students placed in your organization

1. Aswin Mathai
2. Tinu PJ
3. Francis Kuriakose

Thank you for your support and guidance in our educational venture.

Your sincerely

  
Dr. Loveena Lobo

**HOD**  
**MSW Department**  
St. Aloysius College (Autonomous)  
Mangalore-575 003

**ATTESTED**

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

**CERTIFICATE**

This is to certify that Mr. Aswin Mathew, P J II year M.S.W student of Aloysius College, Mangalore was placed at our hospital for field placement for one year from 14.07.2016 to 06.03.2017 in Medical and Psychiatric setting. During this period he was mainly involved in:

- Studying the hospital- genesis, structure, functioning of various clinical inpatient and outpatient departments.
- Gathering of information regarding various services provided by the hospital to the patients through different schemes and programmes.
- Conducting case study of patients to ascertain their psychosocial background and respond to their Psycho-social needs in the hospital.
- Organization and conduct group work and group educative programmes for patients and their caretakers.
- Counseling and providing psycho education to the patients and their family members.
- Attending the weekly conferences conducted by the agency supervisor.
- Participation in Medical camp & Blood Donation camps conducted by YMCH in rural area.

His overall performance during the field placement period was found good.

28.04.2017

**HOD**  
**Department of MSW**

**ATTESTED**

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

**CERTIFICATE**

This is to certify that Mr. Francis Kuriakose II year M.S.W student of Aloysius College, Mangalore was placed at our hospital for field placement for one year from 14.07.2016 to 06.03.2017 in Medical and Psychiatric setting. During this period he was mainly involved in:

- Studying the hospital- genesis, structure, functioning of various clinical inpatient and outpatient departments.
- Gathering of information regarding various services provided by the hospital to the patients through different schemes and programmes.
- Conducting case study of patients to ascertain their psychosocial background and respond to their Psycho-social needs in the hospital.
- Organization and conduct group work and group educative programmes for patients and their caretakers.
- Counseling and providing psycho education to the patients and their family members.
- Attending the weekly conferences conducted by the agency supervisor.
- Participation in Medical camp & Blood Donation camps conducted by YMCH in rural area.

His overall performance during the field placement period was found good.

28.04.2017

  
**HOD**  
**Department of MSW**

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

**CERTIFICATE**

This is to certify that Mr. Tinen P J II year M.S.W student of Aloysius College, Mangalore was placed at our hospital for field placement for one year from 14.07.2016 to 06.03.2017 in Medical and Psychiatric setting. During this period he was mainly involved in:

- Studying the hospital- genesis, structure, functioning of various clinical inpatient and outpatient departments.
- Gathering of information regarding various services provided by the hospital to the patients through different schemes and programmes.
- Conducting case study of patients to ascertain their psychosocial background and respond to their Psycho-social needs in the hospital.
- Organization and conduct group work and group educative programmes for patients and their caretakers.
- Counseling and providing psycho education to the patients and their family members.
- Attending the weekly conferences conducted by the agency supervisor.
- Participation in Medical camp & Blood Donation camps conducted by YMCH in rural area.

His overall performance during the field placement period was found good.

28.04.2017

**HOD**  
**Department of MSW**

**ATTESTED**

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



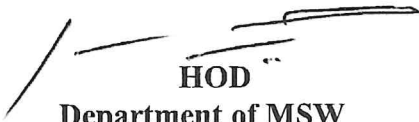
**CERTIFICATE**

This is to certify that Mr. Dennies Varghese II year M.S.W student of Aloysius College, Mangalore was placed at our hospital for field placement for one year from 28.07.2016 to 06.04.2017 in Medical and Psychiatric setting. During this period he was mainly involved in:

- Studying the hospital- genesis, structure, functioning of various clinical inpatient and outpatient departments.
- Gathering of information regarding various services provided by the hospital to the patients through different schemes and programmes.
- Conducting case study of patients to ascertain their psychosocial background and respond to their Psycho-social needs in the hospital.
- Organization and conduct group work and group educative programmes for patients and their caretakers.
- Counseling and providing psycho education to the patients and their family members.
- Attending the weekly conferences conducted by the agency supervisor.
- Participation in Medical camp & Blood Donation camps conducted by YMCH in rural area.

His overall performance during the field placement period was found good.

28.04.2017

  
**HOD**  
**Department of MSW**

**ATTESTED**  


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



DEPARTMENT OF POST GRADUATE STUDIES  
AND RESEARCH IN BIOTECHNOLOGY

St. Aloysius College (Autonomous)

P.B. No.720, Mangalore- 575 003. INDIA Phone: (0824)2449700/01

Fax : 0824-2449705 Web site: [www.staloysius.edu.in](http://www.staloysius.edu.in); [staloysiusbiotech.wordpress.com](http://staloysiusbiotech.wordpress.com)

Dr. Asha Abraham  
Associate Professor & HOD

25-04-2017

To,

Dr Rekha PD  
Deputy Director  
Yenopoya research centre  
Deralakatte Mangalore

Dear Madam,

Sub: Request for student internship at your research centre.

I am happy to hear that you offer a one month internship program for students of M.Sc. Biotechnology. Two of our students Ms Sreevidya and Ms Sharanya are keen on applying for the internship program starting from 15/05/2017 to 15/06/2017. I have no objection to them taking up the program during their summer vacation. I request you to kindly consider their application and encourage them in their pursuit of knowledge.

Thankyou.

With best regards,

(Dr. Asha Abraham)

Department of Post Graduate Studies  
and Research in Biotechnology  
St. Aloysius College (Autonomous)  
Mangalore - 575 003

*Internship file*

ATTESTED

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



**ST ALOYSIUS COLLEGE (AUTONOMOUS)**  
**MANGALORE - 575003**

Tel: 0824-2449700  
0824-2449703  
Fax: 0824-2449705

www.staloyisius.edu.in  
http://staloyisiuscollege.wordpress.com  
e.mail:principal\_sac@yahoo.com

NAAC RE-ACCREDITED 'A' GRADE COLLEGE  
COLLEGE WITH POTENTIAL FOR EXCELLENCE

From

Dr. Richard Gonsalves  
HOD, Department of PG studies in Chemistry  
St. Aloysius College, Mangalore – 3

Date : 05/04/2017

To

Deputy Director  
Yenopoya Research Centre  
Deralakatte, Mangaluru

Dear Sir/Madam

Sub : Conducting student projects by our I year MSc students in your esteemed Research Centre

As part of M.Sc. study, our students of Ist year are required to conduct a short duration project work in reputed Industries/Institutes.

Following students would like to conduct the project work in your Research Centre for about 1 ½ months duration starting from 16<sup>th</sup> May 2017 up to June 2017 end.

Names and register numbers are given below.

1. RAHITHA.V.V- 168221
2. SREELAKSHI.V - 168226
3. RATHEESH.V - 169321

We will be very much grateful to you for your help in this regard.

Kindly revert for any clarification.

Thanking You

Sincerely Yours

(Dr. Richard Gonsalves)

Head

Department of Post-Graduate  
Studies & Research in Chemistry  
St. Aloysius College  
(Autonomous)  
Mangaluru - 575 003

ATTESTED

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

DEPARTMENT OF HOSPITAL ADMINISTRATION

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To,

The Registrar  
Yenepoya University  
Deralakatte Mangalore

Sir,

This is to certify that Intern Ms. Hasna Veeran, second year MBA ( Finance & HR) a student of St. Aloysius College (AIMIT), Mangalore has completed her internship in our hospital for a period of 8 weeks from 1.06.2017 to 29.07.2017. During the training period she had necessary training in the HR section of the Hospital.

She was disciplined and showed keen interest in her project work besides being regular and punctual.


I wish her all success in her future endeavors.

  
Dr. Sunita Saldanha

Officer I/C Operations

Yenepoya Medical College Hospital

ATTESTED

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



# MEMORANDUM OF UNDERSTANDING

between

**St Aloysius College (Autonomous) Mangaluru**

&

**Yenepoya University, Deralakatte, Mangaluru**

This memorandum of understanding between St Aloysius College (Autonomous) Mangaluru represented by The Principal, Rev. Fr. Dr. Praveen Martis SJ herein known as the First Party and Yenepoya University, a deemed university set up under 3(A) of the UGC act 1956, represented herein by its registrar Dr. G. Shreekumar Menon herein after known as Second Party witness as follows:

1. Whereas St Aloysius College (Autonomous), promoted by Mangalore Jesuit Educational Society (MJES), which is a well-established autonomous college with potential for excellence, having several under graduate, post graduate and research departments supporting the academic, research and extension activities in the area of regional and national interest.
2. And whereas Yenepoya University, promoted by the Islamic Academy of Education Trust, which has well known medical, dental, physiotherapy colleges and research departments where the university has now in its ambit the medical, dental, research and other allied science disciplines.
3. And whereas, St Aloysius College and Yenepoya University, of which the medical and other colleges and research departments are now a part, wish to continue the common interests of the two institutes and further develop and enrich the academic and research exchanges between their institutions.

THIS MEMORANDAM OF UNDERSTANDING WITNESSES AS FOLLOWS:

Promote activities between departments of St Aloysius College (Autonomous) and departments of Yenepoya University in the following areas:

- A.
  1. Collaborative research, instructions and extension programs
  2. Development and implementation of joint research projects on shared fund basis
  3. Shared usage of laboratory and research infrastructure
  4. Exchange of faculty members and students for research, lectures, workshops, and discussions
  5. Joint conferences and workshops
  6. Collaborative designing of short-term academic programs
  7. Recognition of eligible academic faculty of St Aloysius College as recognized PhD supervisors under Yenepoya University as per UGC and university norms
  8. Creation of internship opportunities
  9. Engage in consultancy services
- B. Activities and programs implemented under authority of this MOU shall be subject to availability of funds and the approval of each institution's authorized representatives.
- C. Each Party will be responsible for its own cost in connection with all matters relating to collaborations under this MOU. However, where mutual advantages persist, cost may be

ATTESTED

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

shared by the users on an equitable basis, or one organization may enter into an agreement with the other, subject to the regulations of each, for the supply of certain services, supplies, or equipment.

- D. The above activities will be carried out in such a manner so as not to digress from the established traditions and regulations of each Party.
- E. The terms of this MOU may be modified and amended from time to time upon agreement between two Parties.
- F. This MOU shall be initially agreed upon for a period of 5 years and be renewed automatically thereafter for a further period of five years unless notified thereto by either Party within three months of expiry thereof.
- G. Each of the above activities will be governed by specific norms to be established between Parties and coordinated by on behalf of St Aloysius College (Autonomous) Mangaluru and on behalf of Yenepoya University.

These presents shall be signed by Principal of St Aloysius College (Autonomous) and the Registrar of Yenepoya University on two sets of originals, and signed copies shall be exchanged.

Signed on October 12, 2017 at Mangaluru

*Praveen*

**Fr. Dr. Praveen Martis SJ**  
Principal  
St Aloysius College (Autonomous)  
Mangaluru - 575 003

Principal  
**ST. ALOYSIUS COLLEGE (AUTONOMOUS)**  
MANGALORE-575003



*Dr. G. Shree Kumar Menon*

**Dr. G. Shree Kumar Menon**  
Registrar  
Yenepoya University  
Mangaluru - 575 018

**Dr. G. Shree Kumar Menon**  
Registrar  
Yenepoya University



Witnesses:

1. *[Signature]* Dr. A.M. Nagaraj  
Registrar

3. *[Signature]* Dr. V. Mascarenhas

2. *[Signature]* Dr. M. Viswanath Kumar  
12 Oct 2017

4. *[Signature]* Dr. Arun A. B  
act 12<sup>th</sup> Oct 2017

ATTESTED

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

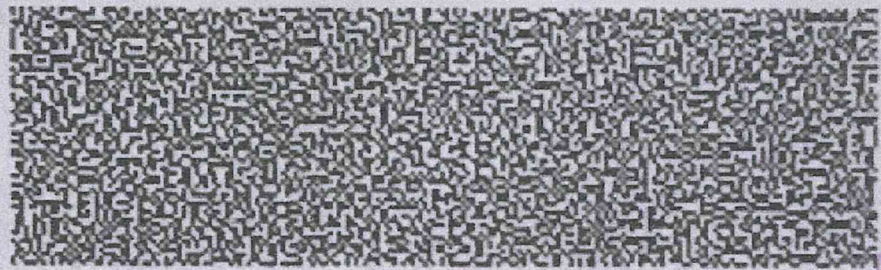


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Office : NONACC (FI)/ kacrsfl08/ ULLAL1/ KA-DK  
Reference : SUBIN-KAKACRSFL0843173723314532T  
Document : YENEPOYA DEEMED TO BE UNIVERSITY  
Article 12 Bond  
MOU  
Price (Rs.) : 0  
(Zero)  
By : ST ALOYSIUS COLLEGE MANGALURU  
YENEPOYA DEEMED TO BE UNIVERSITY  
YENEPOYA DEEMED TO BE UNIVERSITY  
Amount(Rs.) : 50  
(Fifty only)

For Athmashak  
Co-operation



Authorised



Please write or type below this line

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

**Memorandum of Understanding**  
Between  
**Yenepoya (Deemed to be University), Mangalore**  
and  
**St. Aloysius College (Autonomous), Mangalore**



# MEMORANDUM OF UNDERSTANDING

between

ST. ALOYSIUS COLLEGE (AUTONOMOUS)

MANGALORE

&

YENEPOYA UNIVERSITY

Deralakatte, Mangalore-575018

This memorandum of understanding entered between St. Aloysius College (Autonomous), Mangalore, represented by The Principal, Rev. Fr. Swebert D'silva SJ, herein known as the first party and Yenepoya University, a Deemed University set up under 3 of UGC act, 195, represented herein by its registrar Prof. Dr.C.V.Raghuveer herein after known as second party witness as follows.

1. Whereas St. Aloysius College is a well established Autonomous College with potential for excellence having several postgraduate departments of study and research and supporting the academic, research and extension activities in the areas of national and regional interests.
2. And whereas Yenepoya University, promoted by Islamic Academy of Education trust, which has well known Medical, Dental, Nursing and Physiotherapy colleges where the University has now in its ambit the Medical, Dental and other Allied health science disciplines.
3. And whereas, St. Aloysius College and Yenepoya University, of which the Medical and other colleges are now part, wish to continue the common interests of the two colleges and further develop and enrich the academic and research exchanges between themselves.

## NOW THIS MEMORANDUM OF UNDERSTANDING (MOU) WITNESS AS FOLLOWS:

This MOU will promote activities between Postgraduate Department of Biochemistry, St.Aloysius College (Autonomous) and Department of Pharmacology, Yenepoya University in the following areas:

- A.
  - i. Collaborative research, instructions, cultural and extension programmes
  - ii. Exchange of research information
  - iii. Exchange of students
  - iv. Exchange of faculty and staff
- B. Each of the above activities will be governed by specific norms to be established between parties and coordinated by Ms.Bhavya D.K, Head, Postgraduate Department of Biochemistry on behalf of St.Aloysius College and Dr. S N Rao, Head of Department of Pharmacology on behalf of Yenepoya University.

**ATTESTED**  
  
**Dr. Gangadhara Somayaji F**  
 Registrar  
 Yenepoya (Deemed to be Univers  
 University Road, Deralakatt  
 Mangalore 575 018, Karnata

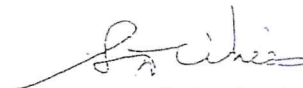



- C. The above activities will be carried out in such a manner so as not to digress from the established traditions and regulations of each party.
- D. The terms of this MOU may be modified and amended from time to time upon agreement between the parties.
- E. This MOU shall be valid initially for a period of 5 years and be renewed automatically thereafter for a further period of five years unless notified thereto by either party within three months of expiry thereof.

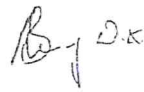
These presents shall be signed by the Principal of St. Aloysius College (Autonomous) and the registrar of Yenepoya University on two sets of originals and signed copies shall be exchanged thereafter.


Signed and delivered on Friday day of 15<sup>th</sup> March - 2014 at Mangalore.

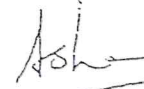
  
 Registrar  
 Yenepoya University  
 University Road  
 Deralakatte, Mangalore-575018

  
 The Principal  
 St. Aloysius college (autonomous)  
 Light House hill Road  
 Mangalore-575003

Witnesses:  
 1.   
 DR. S.N. RAO, MD  
 Senior Professor & Head  
 Department of Pharmacology  
 Yenepoya Medical College  
 Deralakatte, Mangalore-575 018

2.   
 Ms. Bhavya D.K.  
 H. O. D.  
 P.G. Dept. of Biochemistry  
 St. Aloysius College  
 MANGALORE - 575 003

3.   
 Rejesh. E  
 Lecturer.  
 Department of Pharmacology  
 Yenepoya Medical College  
 Deralakatte, Mangalore-575 018

4.   
 Dr. Gangadhara Somayaji K S  
 Registrar  
 Yenepoya (Deemed to be University)  
 University Road, Deralakatte  
 Mangalore 575 018, Karnataka.  
 HOD  
 Department of Post Graduate Studies  
 and Research in Biotechnology  
 St. Aloysius College (Autonomous)  
 Mangalore - 575 003

**ATTESTED**  
