



Short Communication

Quick report on prevalence of shrimp microsporidian parasite *Enterocytozoon hepatopenaei* in India

Karthikeyan Kesavan, Ravi Mani, Itami Toshiaki, Raja Sudhakaran

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Aquaculture Research, 2017, 48, 3980–3984

doi:10.1111/are.13078

SHORT COMMUNICATION

Quick report on prevalence of shrimp microsporidian parasite *Enterocytozoon hepatopenaei* in India

Karthikeyan Kesavan¹, Ravi Mani², Itami Toshiaki¹ & Raja Sudhakaran¹

<https://onlinelibrary.wiley.com/journal/13652109> / Aquaculture Biotechnology Laboratory, School of Biosciences and Technology, VIT University, Vellore, Tamil Nadu



Volume 48, Issue 7
July 2017
Pages 3980–3984



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Journal of Fish Diseases

[Experimental horizontal transmission of *Enterocytozoon hepatopenaei* in post-larvae of whiteleg shrimp, *Litopenaeus vannamei*](#)

Kesavan, Karthikeyan, Raja Sudhakaran

Article preview

Abstract

Introduction

Section snippets

References (26)

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Fish & Shellfish Immunology

Volume 65, June 2017, Pages 88–95



Full length article

Characterization of *PmSpa*¹ from the black tiger shrimp *Peneaus monodon*

Sittichai Boonrawd ^a, Ravi Mani ^b, Srikwan Ponprateep ^c, Premrueithai Supungul ^d, Promsin Masrinoul ^e, Anchalee Tassanakajon ^a, Vichien Rimphanitchayakot ^a
^a Center of Excellence for Molecular Biology and Genomics of Shrimp, Department of Biochemistry, Faculty of Science, Chulalongkorn University, Phayathai Road, Bangkok 10330, Thailand

^b Department of Biotechnology, Sathyabama University, Jeppiaar Nagar, Rajiv Gandhi Road, Chennai, Tamil Nadu 600119, India

^c Department of Chemistry, Faculty of Science, Srinakharinwirot University, 114 Sukhumvit 23 Road, Bangkok 10110, Thailand

^d National Center for Genetic Engineering and Biotechnology (BIOTEC), National Science and Technology Development Agency (NSTDA), Pathum Thani 10120, Thailand

^e Institute of Molecular Biosciences, Mahidol University, 25/25 Phuttamonthon 4 Road, Salaya, Nakhon Pathom 73170, Thailand

Received 12 January 2017, Revised 2 April 2017, Accepted 7 April 2017, Available online 8 April 2017, Version of Record 13 April 2017.

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FEEDBACK

> Microb Pathog. 2017 Dec;113:372-377. doi: 10.1016/j.micpath.2017.11.016. Epub 2017 Nov 11.

De novo assembly and annotation of the whole genomic analysis of *Vibrio campbellii* RT-1 strain, from infected shrimp: *Litopenaeus vannamei*

R Thirugnanasambandam ¹, D Inbakandan ², L Stanley Abraham ¹, C Kumar ¹, S M Sundaram ³, B Subashni ¹, R Vasantharaja ¹, A Arul Anantha Kumar ⁴, R Kirubakaran ⁵, S Ajmal Khan ⁶, T Balasubramanian ⁶

Affiliations + expand

PMID: 29133276 DOI: 10.1016/j.micpath.2017.11.016

Abstract

Objectives: This study aimed to sequence the whole genome of *Vibrio campbellii* RT-1 strain.

Methods: *V. campbellii* strain was isolated from an infected shrimp, *Litopenaeus vannamei* collected

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Testing and Development of Evapotranspiration Models for India

A Simplified Approach for Estimation of Evapotranspiration

978-620-2-01543-1

The book contains comparative evaluation of existing evapotranspiration (ET) models and development of site specific evapotranspiration models for various agro-climatic regions of India. Evapotranspiration was estimated using existing models for twelve stations falling under different agro-climatic regions. Sensitivity analysis was carried out to identify more sensitive parameters to understand the relative importance of variables on ET and the impact of estimation errors due to individual variables. Uncertainty analysis was carried out for finding the input variable uncertainty to judge the goodness of fit. Modifications to existing ET equations were made based on regression analysis and genetic algorithm. New regression equations were developed with stepwise regression and using the most significant variables identified by Principal Component Analysis (PCA). Simplified models were developed for ET estimation by Artificial Neural Network (ANN) with all the climatic variables and with the variables identified by PCA. The regression equation using PCA variable was identified as the best method to estimate of ET.

Authors	M. Abraham S. Mohan
Editors	K. S. Rawat
Book language	English
Published on	2017-08-08
Publishing house	LAP LAMBERT Academic Publishing
Number of pages	148
Price (EUR)	€55.90

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Leaf identification for the extraction of medicinal qualities using image processing algorithm

Publisher: IEEE

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T Vijayashree ; A. Gopal

All Authors

3	271
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Abstract	Abstract: Plants are in need nowadays in human life. There are certain plants which are prone with medicinal qualities by nature. Many medicinal plants have a medicinal quality from root to leaf. Leaves play major role in our ecosystem. Identifying the leaf from look-alike is becoming a major task in our day to day life. Since there is a mistake in human vision for medicinal leaf with lookalike leaf computer vision is required. In these days identifying leaf is not possible. Therefore computer technique is must in identifying them. Image processing plays a vital role in leaf identification. A
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I. Introduction	
II. Prior and Related Work	

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IEEE Transactions on Instrumentation and Measurement

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Authentication of herbal medicinal leaf image processing using Raspberry Pi processor

Publisher: IEEE

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T. Vijayashree ; A. Gopal

All Authors

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Paper Citations	Full Text Views



Abstract	Abstract: The main aim of this work is to classify the plants according to its medicinal usage using real time processor Raspberry pi with the image of the leaf, as leaves play a major role for the classification of plants. Image of leaf is captured using digital camera of high resolution and is stored in memory card. Feature and pattern of the leaf are extracted using image processing technique which is then interfaced with Raspberry pi. Raspberry pi is stored with a program to classify the input Image based on texture parameters of leaves. The quality and authenticity of the leaves
Document Sections	
I. Introduction	
II. Prior and Related Work	

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2005 IEEE 7th Workshop on Multimedia Signal Processing
Published: 2005

Feedback

31st Aug 2017

From
Dr. Anima Nanda,
Prof. & Dean,
School of Bio & Chemical Engg.,
Sathyabama University,
Chennai - 119.

To,
The Dean (Student Affairs)
Sathyabama University,
Chennai - 119.

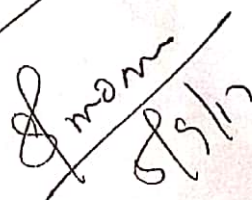
Respected Madam,

At the outset I am happy to inform you that we have started the Centre of Excellence in Health Care with GE - Health Care. To make it fruitful, second and third batch has already registered and the classes has commenced from 16th August - 23rd August (Second batch) (28th August - 31st August) ^{Third} batch from morning 8 am to 3 pm.

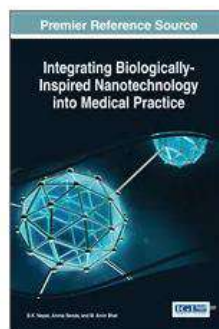
With respect to this I kindly request regarding the students attendance to be provided for the registered candidates, so that they can fully concentrate on the certificate program looking forward a positive support from your side.

With regards

A. Nanda
31/8/2017


31/8/17





Nanomedicine as a Newly Emerging Approach Against Multidrug-Resistant Tuberculosis (MDR-TB)

Muthupandian Saravanan (Mekelle University, Ethiopia & Saveetha Dental College, Saveetha Institute of Medical and Technical Sciences (SIMATS), India), Kebret Duche (Mekelle University, Ethiopia), Tsehaye Asmelash (Mekelle University, Ethiopia), Araya Gebreyesus (Mekelle University, Ethiopia), Anima Nanda (Sathyabama University, India) and Selvaraj Arokiyaraj (Seoul National University, South Korea)

Source Title: *Integrating Biologically-Inspired Nanotechnology into Medical Practice*

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DOI: 10.4018/978-1-5225-0610-2.ch003

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Abstract

Emergence of MDR-TB is highly associated with morbidity and mortality and it needs high concerns about the possibility of a future TB epidemic as limited therapeutic options are available. The current treatment against TB needs daily administration for at least 6 months. That in turn leads to the development and spread of drug-resistant TB. Plenty of work has been done in nanomedicine that provides hope to encounter TB effectively. In the developing world the development of nanoparticle-based aerosol vaccines for tuberculosis has potential applications using on a large scale at relatively low cost, and particularly attractive for use. This book review examines the current TB diagnostic assays and treatment by nanotechnologies and highlight recent advances in Anti-TB Drug (ATD) delivery systems and anti-TB drug encapsulation. It also discusses the impact of the nanoparticles as an emerging treatment against MDR-TB and discusses the current knowledge and potential nanomedicine to improve MDR-TB therapy.

Chapter Preview

[Top](#)

Introduction

Tuberculosis (TB) is a treatable and curable bacterial disease that is spread from person to person through the air. Those bacteria that are resistant to at least the two most effective anti-Tuberculosis drugs (ATD), Isoniazid and rifampicin can lead to Multidrug-resistant tuberculosis (CDC, 2012). Multidrug-resistant tuberculosis (MDR-TB) can affect persons of any age. Levels of MDR-TB in children are highly variable among countries, but it remains unknown whether children are more or less likely than adults to have MDR-TB due to insufficient data on potential risk factors. Therefore, further research is needed to

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Polysaccharide induced production of silver nanoparticles (ag-nps) and their antibacterial Efficacy against selected bacterial pathogens

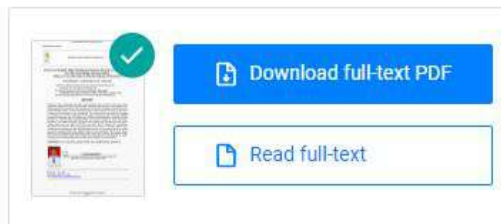
January 2017

DOI:10.22376/ijpbs.2017.8.1p1-7

Authors:

**S. Krishnakumar**

Sathyabama Institute of Science and Tec...

**G. RAMANATHAN****R. J. HEMALATHA**[Download citation](#)[Copy link](#)[Citations \(2\)](#)[References \(21\)](#)[Figures \(2\)](#)

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Article

Li-Fi data transfer with load switching using light emitting diode in open space

April 2017

Authors:



B. Vetrivel



S. Karthick Raj



S. Krishnakumar

Sathyabama Institute of Science and Tec...



B. Aravith

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Introduction and Aim: Li-Fi is also known as Light Fidelity or Visible Light Communication (VLC). It is a wireless technique which uses light as its major source for the transmission of data. Visible light spectrum has a wide bandwidth in the electromagnetic spectrum with a wavelength range of 400nm to 700 nm. LED is the transmitter unit which converts the digital

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► Commentary - Biomedical Research (2018) Volume 29, Issue 13

Prosthetic arm control using processing device, a comparative approach

Sudhakar T¹, Hari Krishnan G^{2*}, Sheeba Santosh³, Meenakshi S¹ and Lisha Thomas¹

¹Department of Biomedical Engineering, Sathyabama University, Chennai, Tamil Nadu, India

²Department of Electrical and Electronics Engineering, Sree Vidyanikethan Engineering College, Tirupati, Andhra Pradesh, India

³Department of ECE, Veltech Rangarajan Dr. Sagunthala R&D Institute of Science & Technology, India

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Accepted on June 25, 2018

DOI: 10.4066/biomedicalresearch.29-17-3417

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Abstract

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RESEARCH ARTICLE

Biodegradation of Organo Phosphorous Chlorpyrifos using *Pseudomonas aeruginosa* PF1 isolated from paddy field

Muthukrishnan Lakshmipathy¹, S. V. Abirami², Thukkaram Sudhakar^{2*}

¹Leather Process Technology, CSIR – Central Leather Research Institute (CLRI), Adyar, Chennai, Tamilnadu 600 020, India

²Department of Microbiology, Jaya College of Arts and Science, CTH road, Thiruninravur, Tamilnadu 602024, India.

²Department of Biomedical Engineering, Sathyabama University, Chennai 600 119, India

*Corresponding Author E-mail: mlakshmipathy@gmail.com

ABSTRACT:

The extensive use of pesticides is considered to be one of the major causes of soil and water pollution in agricultural sector. As it enters the food chain, humans on the other hand are directly or indirectly victimized. In order to counteract the situation, such contaminants need to be removed from the environment through biodegradation. Pesticide degrading bacteria were isolated and identified through cultural and biochemical tests. Among them, the predominant / potential strain was grown in an enrichment medium supplemented with 25, 50, 100 and 200 ppm of Chlorpyrifos and monitored using uv-vis spectrophotometer at optical density of 600nm. The result showed that among the isolated strains, *Pseudomonas aeruginosa* was the predominant and potential strain with maximum degradation of 200 ppm of chlorpyrifos in 240 h of incubation. HPTLC analysis of the residual Chlorpyrifos after 7 days of incubation showed that *Ps. aeruginosa* was able to degrade 80% of the pesticide. Our results indicated that the isolated bacteria can be effectively used for bioremediation of chlorpyrifos contaminated soil and water.

KEYWORDS: Chlorpyrifos, *Pseudomonas*, HPTLC, Organophosphorus pesticide.

INTRODUCTION:

For decades, the use of pesticides to increase food crops' protection and production has been the major breakthrough in agricultural sector. The leading pesticides used in India include monochlorophos (10700 Million Tonnes (MT)–highest consumed), acephate (6400 MT), endosulfan (5600 MT) and chlorpyrifos (5000 MT–fourth highest consumed)¹. The diversified application of highly toxic organophosphorous pesticides such as parathion, methamidophos and chlorpyrifos has a profound effect on the ecological niche affecting the non-target microbial flora and fauna².

However, the extensive use of chlorpyrifos contaminates air, ground water, river and lake by releasing chlorpyrifos-oxon and 3,5,6–trichloro-2-pyridinol (TCP), the two potential transformation products showing deleterious effect on beneficial arthropods, fishes, birds and plants. It is noteworthy that there have been reports of delayed seedling, fruit deformities and abnormal cell division in plants upon prolonged exposure to chlorpyrifos³. Furthermore, this pesticide easily enters the human food chain and affects the normal functioning of central nervous system by blocking the acetylcholinesterase enzyme thereby shutting down neurotransmission. Human birth defects with impairment of male reproductive system have also been associated with exposure to chlorpyrifos and its products (NCAP 2000). There is an increased awareness over their persistence in the form of residue in food grains, dairy products, vegetables, fruits and in the environment, wobbling the soil microbiologists and environmentalists to adapt strategies for their judicial use accounting for bioremediation. Even though

VALUE-BASED MANAGEMENT

AN INTEGRATED APPROACH TO VALUE CREATION

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CONVENED BY

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Sathyabama University, Chennai

DATE

11th-15th September 2017

Last date for registration: 28th August 2017

SESSIONS

BUILDING A CULTURE OF VALUE CREATION

PERCEPTIONS OF DIFFERENT STAKEHOLDERS

DIFFERENT VALUE BASED MANAGEMENT STRATEGIES

SUPPORTING TOOLS AND TECHNIQUES FOR VBM

IMPLEMENTATION OF VBM APPROACH

THE PREAMBLE

This programme aims to compare not only the metrics used by different consultants, but also to analyse their value-based management constructs as a whole. This analysis shall be based on the fundamental components of a holistic VBM-program, as defined by several researches on value-based management. The programme is intended for Practising Architects, Project Managers, Researchers and Teachers in understanding the varied interests of all stakeholder groups and the impact of value-based management on collaboration.

COORDINATORS

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FACULTY INDUCTION PROGRAMME

VALUE-BASED MANAGEMENT

AN INTEGRATED APPROACH TO VALUE CREATION

VENUE: SCHOOL OF BUILDING AND ENVIRONMENT
DEPARTMENT OF ARCHITECTURE
Date-11th-15th September 2017

SIGNIFICANCE & OBJECTIVES OF THE PROGRAMME

Value-based management can be defined as an integrated management control system that measures, encourages and supports the creation of net worth. Over the last 20 years, the field of value-based management (VBM) has changed significantly. VBM began with a breakthrough performance metric and has matured into an entire management framework that focuses organizations around value creation. There is a complication with value-based management, however. Doing it right is not easy. Recent reports have indicated that almost half of the companies that have adopted a VBM metric have had mediocre success. The difference between success and failure with VBM depends on how well a firm integrates VBM into the culture of the organization. This programme aims to compare not only the metrics used by different consultants, but also to analyse their value-based management constructs as a whole. This analysis shall be based on the fundamental components of a holistic VBM-program, as defined by several researches on value-based management. The programme is intended for Practising Architects, Project Managers, Researchers and Teachers in understanding the varied interests of all stakeholder groups and the impact of value-based management on collaboration.

SCHEDULE

	MORNING SESSION				AFTERNOON SESSION		
	09:00 – 10:00	10:00 – 10:15	10:15 – 12:15	12:15 – 01:15	01:15 – 02:15	02:15 – 02:30	02:30 – 03:30
	BUILDING A CULTURE OF VALUE CREATION						
MONDAY	INAUGURATION		Fundamentals for value creation		Value-based Management in Practice - Mr.Kavin Project Manager, EPMCR		Strategy development in VBM - Mr.Kavin Project Manager, EPMCR
	PERCEPTIONS OF DIFFERENT STAKEHOLDERS						
TUESDAY	Perception of the different stakeholders		Market evaluation and External Communication		Parameters of consultants approach		Benchmarking at different levels
	DIFFERENT VALUE-BASED MANAGEMENT APPROACHES						
WEDNESDAY	Perception and specific contribution of the VBM-approach in general		Investment decisions & resource allocation		Internal Communication of the VBM-approach		Facilitators for the implementation of the VBM approach
	SUPPORTING TOOLS & TECHNIQUES FOR VBM						
THURSDAY	Supporting tools for VBM		Training & education for VBM& BIM 360 as an integrated PM tool		<i>Hand on Training on PRIMAVERA / MS PROJECT</i>		<i>Hand on Training on PRIMAVERA / MS PROJECT</i>
	IMPLEMENTATION OF VBM APPROACH						
FRIDAY	Performance Management		Implementation Process for VBM		Recognition and Reward System and policies		VALEDICTORY



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CERTIFICATE OF PARTICIPATION

This certificate is awarded to

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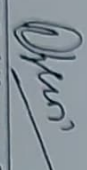
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Director, COA-TRC, Pune

15.09.2017



Cityworks Urban Design Studio

Sathyabama University, Department of architecture

Session: Semester 9

Year: 2017

1. Learning objectives

What is urban design.

Understanding the built environment and its components.

Reading and interpreting the built environment - skills required for mapping an area, site evaluation and analysis.

Analysing the factors that influence the form of cities

Identifying issues and opportunities in the public realm

Reading and knowing critical urban literature.

2. Case study – Application based approach

The studio will use the context of Erode City to understand the issues and opportunities of Urban design. Indian towns and cities have their own set of challenges where adequate study has not been done. By analyzing a small town (population 5 Lakhs) typical issues which face most urban areas can be studied. Unique opportunities to enhance quality of life through design show students the role that architects and urban designers can play in shaping the built environment

3. Structure of the course

Week 1

Introduction – History and Theory

(Special lecture – Nischal Buddhavarupu)

Reading the built environment

(Methods workshop – Vidhya Mohankumar) – Assignment in mapping

Literature review – Critical texts – Presentation

Week 2

Case study method – Urban design projects from around the world

List of cases will be given – Students to present study to class

Introduction of the Design Project

Establish the objectives

Site Visit to Erode City

Week 3

Case analysis and detailed study – Themes will be identified as a guideline and base information will be shared.

Water front developments

Tourism and heritage

Affordable housing

Streets and open spaces

Environmental concerns

Presentation of issues and opportunities

Selecting projects

Week 4

Design

Review and feedback

Presentation in prescribed format

4. Conclusion

The study of issues and design solutions can be compiled as a resource. Typically these can also be carried to a subsequent year so that the next batch can build on next level of proposals. Depending on the outcome of the studio, we will have a possible opportunity to present to Erode City officials and prominent NGO working on improving Erode City.



Article PDF Available

A new solar based asymmetrical triggering method of DC-DC converter for resistive load

January 2017 · *Journal of Advanced Research in Dynamical and Control Systems*
9(15):773-779

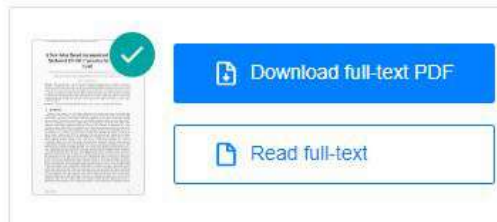
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Jayaprakash Subramanian
Sathyabama Institute of Science and Tec...



V. Ramakrishnan

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Abstract and Figures

This paper presents a new Solar based Asymmetrical triggering method of DC-DC converter for resistive load. Input side Solar panel is connected, asymmetrical triggering method inverter, center tapped transformer, and converter and resistive load are connected. The circuit has two converter connected to boost the voltage and also for the power factor correction (PFC) converters. Output side of Controlled converter is connected to capacitive and pi filter. Controlled voltage is applied to the resistive load. Voltage, current and power

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Neoteric AT for the visually challenged

Publisher: IEEE Cite This PDF

P Sivagami ; M Pushpavalli ; N Peter Shyamal All Authors

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Abstract
Document Sections
I Introduction
II Proposed System
III Simulation

Abstract:
This paper interpolates a unified arrangement which can perform three different functions to bring light in the life of the visually challenged. The data provided by ultrasonic sensor is processed using a microcontroller based embedded system. The advent of MaxSonar sensor and the Ultrasonic sensing devices has led to many useful functions as it has high accuracy. Using MaxSonar sensor and ultrasonic sensor at different levels of human body the obstacles in the path are detected and output is given to the user via earphones. A GPS GSM module is in incorporated into the system to share the location coordinates in state of emergency. When the user approaches a

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Publisher: IEEE

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M. L. Bharathi ; D. Kirubakaran All Authors

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Abstract

Document Sections

I. Introduction (Heading 1)

II. Simulation Results

Abstract:

Among the renewable energies solar energy is eco-friendly in nature and since it's a huge source of energy which is abundantly available thus satisfies the energy demand. Though, they are more advantages extraction of maximum energy from the solar cell happens to be a great task. In order to attend this problem this paper agreements with design, modelling, simulation and execution of Three Stages ILBC (TS ILBC) fed DC drive system. Here, we have simulated both open as well as closed loop TS ILBC. Also, the performances of TS ILBC with PI controller and Fuzzy

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A novel grid integration scheme for the hybrid electric power generation using solar and wind energy resources

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Paper

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Abstract

Document Sections

I. Introduction(Heading 1)

II. Maximum Power Point

Abstract:

In this paper is reported a novel grid integration scheme for a hybrid electric power generation scheme using Photovoltaic power generation and induction generator based wind power generation. The proposed scheme adopts Fuzzy Logic Control (FLC) for the Maximum Power Point Tracking (MPPT) of the wind turbine driven induction generator and the incremental conductance based MPPT for the solar PV system. The power from the wind source and the photo voltaic source are brought to a common DC link and a DC to AC three phase inverter is used to upload

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Novel non-isolated high step-down three phase interleaved DC-DC converter with capacitor voltage division techniques

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4

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Abstract

Document Sections

1. Introduction

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Converter

Abstract:

The novel non-isolated high step-down DC-DC converter is proposed to reduce the voltage stress of main switch. The new capacitive voltage division method is used to store the input energy in input capacitors. The three input capacitors are connected across the input supply to store and release the energy to three interleaved buck converter with high step down ratio without less duty ratio. The input capacitor voltage division method will reduce the voltage stress of switch, hence easy to select the low rating switch. The low rating switch offer low on state resistance, which

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1

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Abstract

Document Sections

I. Introduction

II. Principle of Operation

Abstract:

The demand for non-isolated high step-up DC-DC-dc converters in applications such as DC backup energy systems for UPS and photovoltaic has been gradually increasing. Generally, Boost converter should operate at high duty cycle in order to get the high-output voltage but it generates more EMI, conduction loss and increase the switch rating. High voltage gain DC-DC converter implemented quasi-active switched-inductor structure for a non conventional system is included in this paper. The PV system is available in the proposed system as well as two coupled inductors with

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IEEE Industry Applications Magazine
Published: 2013

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Performance Measures of Positive Output Superlift Luo Converter Using Multitudinous Controller

Sivagami Ponnalagarsamy, N. M. Jothi Swaroopan

Abstract

In order to meet the increase in energy demand globally it is necessary to harness renewable energy at its maximum potential for the purpose of electric power generation. For the achievement of high output voltage and efficiency DC-DC converters plays a vital role in low voltage PV array and fuel cells. LUO converters are gaining importance because of geometric progression output. LUO converters find its application because of high transient performance of the system, high power transfer gain, efficiency and reduced ripple. Because of load and line disturbances the output voltage of DC-DC converter must be operated in closed loop mode. This paper interpolates multitudinous controller for positive output elementary super lift LUO converter (POESLL). The pursuance of the converter under manifold such as variation in input, load are developed and compared for current mode controller and SMC.

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December 2017 · Journal of Advanced Research in Dynamical and Control Systems 9(15):780-786

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Abstract

In this manuscript, we offer a new optimization algorithm, Group Search Optimizer (GSO), which is encouraged by animal probing behavior and group alive theory. The technique is depend on the Producer-Scrounger design [1], which guess group members look for either for



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Sorption of Cu(II) ions by nano-scale zero valent iron supported on rubber seed shell

Deivasigamani Prabu, Rangasamy Parthiban, Senthil Kumar Ponnusamy Saravanan Anbalagan, Reni John, Tani Titus

First published: 25 July 2017 | <https://doi.org/10.1049/iet-nbt.2016.0224> | Citations: 27

SECTIONS



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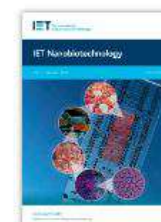


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Abstract

This study focused on synthesising nano-scale zero valent iron (NZVI) impregnated on a low-cost agro-waste material, rubber seed shell (RSS), by borohydride reduction method. The characterisation studies of NZVI-RSS were performed by Fourier transform infrared spectroscopy, scanning electron microscopy and X-ray diffraction. The adsorption execution of NZVI-RSS for Cu(II) ions evacuation from synthetic wastewater was explored by batch studies. The optimum condition for the present adsorption system is as follows: Cu(II) ion concentration = 25 mg/l; solution pH = 6.0; contact time = 30 min; NZVI-RSS dose

<https://ietresearch.onlinelibrary.wiley.com/doi/10.1049/iet-nbt.2016.0224> | temperature = 30°C. The sorption data were best portrayed by pseudo first order



Volume 11, Issue 6

September 2017

Pages 714-724

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Comparative Evaluation of Stress developed on Rotary Retreatment Instruments during Retrieval of Gutta-percha

¹Dhanasekaran Sihivahanan, ²T Vinay Kumar Reddy, ³Anehu Rachel Thomas, ⁴Natarajan Senthilnathan
⁵Murali Sivakumar, ⁶Sushmita Shivanna

ABSTRACT

Aim: The aim of the study is to compare the maximum stress distribution on the rotary retreatment instruments within the root canal at cervical, middle, and the apical one third during retreatment of gutta-percha.

Materials and methods: A human mandibular premolar was scanned, and three-dimensional geometry of the root was reconstructed using finite element analysis (FEA) software package (ANSYS). The basic model was kept unchanged; tooth models were created using the same dimensions and divided into two groups as follows: Group I: ProTaper Universal retreatment system and group II: Mtwo rotary retreatment system. The stress distribution on the surface and within the retreatment files was analyzed numerically in the FEA package (ANSYS).

Results: The FEA analysis revealed that the retreatment instruments received the greatest stress in the cervical third, followed by the apical third and the middle third. The stress generated on the ProTaper Universal retreatment system was less when compared with the Mtwo retreatment files.

Conclusion: The study concludes that the retreatment instruments undergo higher stress in the cervical third region, and further *in vivo* and *in vitro* studies are necessary to evaluate the relationship between instrument designs, stress distribution, residual stresses after use, and the torsional fracture of the retreatment instrument.

Clinical significance: The stress developed on the rotary retreatment instruments during retrieval of gutta-percha makes the instrument to get separated. There is no instrument system, i.e., suitable for all clinical situations and it is important to

understand how the structural characteristics could influence the magnitude of stresses on the instrument to prevent its fracture in use.

Keywords: Finite element analysis, Mtwo retreatment files, ProTaper retreatment files, Retreatment, Stress distribution.

How to cite this article: Sihivahanan D, Reddy TVK, Thomas AR, Senthilnathan N, Sivakumar M, Shivanna S. Comparative Evaluation of Stress developed on Rotary Retreatment Instruments during Retrieval of Gutta-percha. *J Contemp Dent Pract* 2017;18(0):484-489.

Source of support: Nil

Conflict of interest: None

INTRODUCTION

The success of an endodontic therapy revolves around the quality of instrumentation, disinfection, three-dimensional (3D) obturation of the root canal, and, most importantly, preventing reinfection.¹

Endodontic intervention, despite having a high success rate, may not attain the desired response and failures may occur.² Endodontic failures can be attributed to inadequacies in instrumentation, obturation, iatrogenic events, or reinfection of the root canal system.³

To reduce the risk of endodontic failures during retreatment procedures, it is mandatory to remove as much sealer and gutta-percha as possible to uncover remnants of necrotic tissues or bacteria.⁴ However, very often the gutta-percha is well compacted and offers resistance to instruments, leading to the incomplete removal mostly in the apical third region, further impairing root canal disinfection and reshaping.⁵

Techniques described for gutta-percha removal include the use of endodontic hand files and solvents, heat carrying instruments, ultrasonic tips and files, and rotary instruments. In many clinical situations, combining different techniques may be the most efficient method.⁶

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⁶Department of Conservative Dentistry and Endodontics Sathyabama Dental College and Hospital, Chennai, Tamil Nadu India

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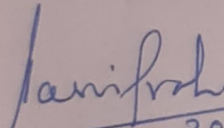
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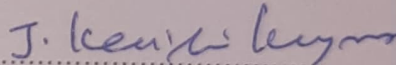
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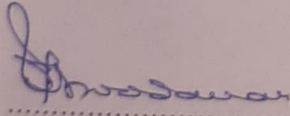
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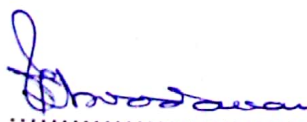
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Venue: Vaibhavam Hall

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10.30 am to 11.30 am

Mrs. Prabha Anand,

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*Top Trends driving the future of Information
Technology*

Tea Break

11.30 am to 11.45 am

Session 2

11.45 am to 12.45 pm

Mr. K. Ashok Kumar,

Associate Professor,
Sathyabama University, Chennai
Grid to Cloud Computing

Lunch Break

12.45 pm to 1.30 pm

Session 3

1.30 pm to 2.30 pm

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9.30 am to 10.30 am

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University of Madras, Chennai
Digital Image Processing using MATLAB

Session 5

10.30 am to 11.30 am

Mr. Harrish Narayanan,

Product Advisory Role,
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Analytics and its Industry use cases

Tea Break

11.30 am to 11.45 am

Session 6

11.45 am to 12.45 pm

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Department of Computer Applications,
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Sentic Computing

Lunch Break

12.45 pm to 1.30 pm

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has kindly consented to deliver the inaugural address

Mr. SREEJITH ANUJAN

Lead Technical Instructor, Red Hat APAC, Singapore

will deliver the keynote address

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Lead Technical Instructor,
Red Hat APAC, Singapore

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Photos enclosed.

—

Regards,
Dr. R. Aroul Canessane, M.E., Ph.D.,
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Technology Head, Faculty of Computing,
Sathyabama University,
chennai - 119.

Professor, Department of Computer Science and Engineering

Sathyabama University acted as the session chair for the software engineering and graph theory session for Second International on Science, Technology, Engineering and Management (ICONSTEM 2016) on 30/3/2016 and 31/3/2016 organized by Jeppiaar Engineering college. Papers of research scholars and students from various colleges across Tamilnadu were presented during the session."

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Website : <http://www.lamsys2018.shar.gov.in/>

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LAMSYS-2018 conference aims to bring together the expertise in system engineering concepts practiced in various fields including scientific institutions, industries and academia. The conference helps in disseminating knowledge pertaining to systems theory & applications in the large scale multi-disciplinary projects of national importance in all the fields like space, ocean, defence, environment, computer, energy & infrastructure systems.

Large Scale Multi-disciplinary Systems of National Significance will be held in Chennai,India on date 2018-04-21

Deadline for abstracts/proposals : 27th March 2018

Organized By : Sathyabama Institute of Science and Technology

Keynote Speakers :

Venue : Sathyabama Institute of Science and Technology, Kamaraj Nagar, Semmancheri, Chennai, Tamil Nadu, India

Check the event website for more details.

Views: 557

Large Scale Multi-disciplinary Systems of National Significance

Date : 20th April 2018 to 21st April 2018

Place : India, Chennai

Website : <http://www.lamsys2018.shar.gov.in/>

Contact Person: Dr.T.Sasipraba

Description:

LAMSYS-2018 conference aims to bring together the expertise in system engineering concepts practiced in various fields including scientific institutions, industries and academia. The conference helps in disseminating knowledge pertaining to systems theory & applications in the large scale multi-disciplinary projects of national importance in all the fields like space, ocean, defence, environment, computer, energy & infrastructure systems.

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Organized By : Sathyabama Institute of Science and Technology

Keynote Speakers :

Venue : Sathyabama Institute of Science and Technology, Kamaraj Nagar, Semmancheri, Chennai, Tamil Nadu, India

Check the event website for more details.

Views: 557





A ■ P ■ U
ASIA PACIFIC UNIVERSITY
OF TECHNOLOGY & INNOVATION



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Accredited with Grade 'A' by NAAC

Certificate of Appreciation

THIS CERTIFICATE IS PROUDLY PRESENTED TO

Dr. Ashok Kumar

FOR SERVICES RENDERED AS

SESSION CHAIR

DURING

2nd Global Conference on Computing and Media Technology

On 14 November 2018 at Asia Pacific University, Kuala Lumpur, Malaysia

organized by

Asia Pacific University of Technology & Innovation, Malaysia

In association with

Sathyabama Institute of Science & Technology, India

.....
Prof. Dr. Ir. VINESH THIRUCHELVAM
Chair, GCMT - APU, Malaysia



.....
Dr. T. SASIPRABA
Co-chair, GCMT - Sathyabama, India



A P U
ASIA PACIFIC UNIVERSITY
OF TECHNOLOGY & INNOVATION



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(REGISTERED TO THE UNIVERSITY)
Don't Red-40-Code "X" by SAE

Certificate of Appreciation

THIS CERTIFICATE IS PROUDLY PRESENTED TO

Dr. A. Sivasangari

FOR SERVICES RENDERED AS

SESSION CHAIR

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On 14 November 2018 at Asia Pacific University, Kuala Lumpur, Malaysia

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Prof. Dr. Ir. VINESH THIRUCHELVAM
Chair, GCMT - APU, Malaysia



Dr. T. SASIPRABA
Co-chair, GCMT - Sathyabama, India



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INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
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Certificate of Appreciation

THIS CERTIFICATE IS PROUDLY PRESENTED TO

Dr. B. Bharathi

FOR SERVICES RENDERED AS
SESSION CHAIR

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.....
Prof. Dr. Ir. VINESH THIRUCHELVAM
Chair, GCMT - APU, Malaysia



.....
Dr. T. SASIPRABA
Co-chair, GCMT - Sathyabama, India



A presentation slide titled "BLOCK CHAIN TECHNOLOGY & ITS PERSPECTIVE" is projected onto a whiteboard. The slide is split into two sections: a light blue left section with a circular graphic of blockchain-related icons and the word "BLOCKCHAIN" in the center, and a purple right section with the title and speaker information. The speaker is identified as Dr. S. Vigneshwari, Associate Professor & Head at Sathyabama Institute of Science & Technology, Chennai, Tamil Nadu, India. The slide also includes a small footer with the text "Blockchain Technology and its Perspective" and a date "18/10/2024".

BLOCK CHAIN TECHNOLOGY & ITS PERSPECTIVE

BY
DR. S. VIGNESHWARI
ASSOCIATE PROFESSOR & HEAD
SATHYABAMA INSTITUTE OF SCIENCE & TECHNOLOGY
CHENNAI, TAMILNADU, INDIA

Blockchain Technology and its Perspective
18/10/2024



Cursos

• Big Data Analytic

Dictantes | Mr. R. Sethuraman y Dr. S. Murugan
(Sathyabama, Institute of Science and Technology | India)

Carga horaria | 16 horas

Map Reduce, Analytics, Visualization.

Días y horarios de cursado | 18, 19, 20 y 21 de Septiembre de 16 a 20 horas

Lugar | Aula Cero Aulasagas (FI) • Cupo Máximo | 30 Asistentes

• Machine Learning Using R/Python

Dictantes | Mr. R. Sethuraman y Dr. S. Murugan

(Sathyabama, Institute of Science and Technology | India)

Carga horaria | 16 horas

Classification Algorithms, Text Mining, Social Media Analytics.

Días y horarios de cursado | 25, 26, 27 y 28 de Septiembre de 16 a 20 horas

Lugar | Aula Cero Aulasagas (FI) • Cupo Máximo | 30 Asistentes

Workshops

• Cloud Computing

Dictante | Mr. R. Sethuraman (Sathyabama, Institute of Science and Technology | India)

Carga horaria | 16 horas

Open Stack, Amazon Web Services, Digital Ocean, IoT on Cloud, Google Cloud Computing, Heroku Cloud, Microsoft Azure.

Días y horarios de cursado | 20, 24, 27 y 28 de Septiembre de 14 a 18 horas

Lugar | Aula de Redes (FI) • Cupo Máximo | 12 Asistentes

• Web Technology

Dictante | Dr. S. Murugan (Sathyabama, Institute of Science and Technology | India)

Carga horaria | 16 horas

Twitter Bootstrap, Angular JS, Node JS, CRUD Operations.

Días y horarios de cursado | 18, 20, 25, 27 y 28 de Septiembre de 14 a 17 horas

Lugar | Laboratorio de Informática (FI) • Cupo Máximo | 25 Asistentes

Entrada | Libre y gratuita • IDIOMA DE DICTADO | INGLÉS

Destinatarios | Estudiantes y graduados de carreras vinculadas la informática y público en general que le interesen los temas a abordar.

Mayores informes e inscripciones

Facultad de Ingeniería

Secretaría

Paseo Dr. Emilio Boscotti 350, Mendoza

Teléfono 420 2017 int. 311

facultad.ingenieria@um.edu.ar



Cursos

• Big Data Analytic

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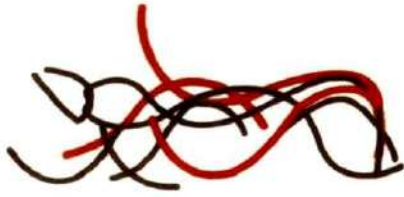
Paseo Dr. Emilio Boscotti 350, Mendoza

Teléfono 420 2017 int. 311

facultad.ingenieria@um.edu.ar



de la vocación a la profesión



Different Hair

Private Limited

05/07/2019

To whomsoever it may concern

Herewith this letter is to inform Different Hair Pvt. Limited has studied the proposal on 'Online based Production Monitoring System' for the generation and automation of customized ERP system, by Department of Computer Science & Engineering, Sathyabama Institute of Science & Technology, Jeppiaar Nagar, OMR, Chennai, Tamilnadu-600 119.

After much deliberation, Different Hair Pvt. Limited is pleased to accept your proposal. According to the agreed terms and conditions, stated in your invoice dated 03/06/2019, we accept your quotation for 'Online based Production Monitoring System' with the estimated cost of Rs.5,53,000/-. You can proceed with the implementation of the proposal and hope you will complete the project within the stipulated time.

Regards,

For Different Hair Pvt Ltd
For DIFFERENT HAIR Pvt Ltd.,


General Manager. Authorised Signatory

S.Sundaram



Stevens Institute of Technology



Certificate of Completion

This certificate is awarded to

Arjhun Kanishka

For successfully completing the

2017 Summer Research Internship on Text Mining

Rajarathnam Chandramouli
Thomas Hattrick Chair Professor
Schaefer School of Engineering and Science



STEVENS
INSTITUTE of TECHNOLOGY
THE INNOVATION UNIVERSITY

Stevens Institute of Technology



Certificate of Completion

This certificate is awarded to

Ram Lakshman

For successfully completing the

2017 Summer Research Internship on 3D Printing

A handwritten signature in black ink, appearing to read 'R. Chandramouli'.

Rajarathnam Chandramouli
Thomas Hattrick Chair Professor
Schaefer School of Engineering and Science



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THE INNOVATION UNIVERSITY

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Certificate of Completion

This certificate is awarded to

Vamshi Krishna

For successfully completing the

2017 Summer Research Internship on Text Mining

Rajarathnam Chandramouli
Thomas Hattrick Chair Professor
Schaefer School of Engineering and Science



STEVENS
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THE INNOVATION UNIVERSITY

Stevens Institute of Technology



Certificate of Completion

This certificate is awarded to

Bhargav Ramineni

For successfully completing the

2017 Summer Research Internship on 3D Printing

Rajarathnam Chandramouli
Thomas Hattrick Chair Professor
Schaefer School of Engineering and Science



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THE INNOVATION UNIVERSITY

Stevens Institute of Technology



Certificate of Completion

This certificate is awarded to

Sai Sree

For successfully completing the

2017 Summer Research Internship on Data Analytics & Visualization

A handwritten signature in black ink, appearing to read 'R. Chandramouli'.

Rajarathnam Chandramouli
Thomas Hattrick Chair Professor
Schaefer School of Engineering and Science



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INSTITUTE of TECHNOLOGY
THE INNOVATION UNIVERSITY

Stevens Institute of Technology



Certificate of Completion

This certificate is awarded to

Siva Kumar

For successfully completing the

2017 Summer Research Internship on Data Analytics & Visualization

A handwritten signature in black ink, appearing to read "R. Chandramouli".

Rajarathnam Chandramouli
Thomas Hattrick Chair Professor
Schaefer School of Engineering and Science



STEVENS
INSTITUTE of TECHNOLOGY
THE INNOVATION UNIVERSITY



SATHYABAMA UNIVERSITY

(Established under Section 3 of the UGC Act, 1956)

Declared as Category "A" University by Ministry of HRD, Govt. of India

(A CHRISTIAN MINORITY INSTITUTION)

Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600 119. Tamil Nadu, India



Admin. Office : 044 - 2450 3150 / 3151 / 3152 / 3154 / 3155 Fax : 044 - 2450 2344

E-mail : registrar@sathyabamauniversity.ac.in Website : www.sathyabamauniversity.ac.in

Letter of Invitation

Ref. No: SU/CAP/INBOUND/2017/0019

Date: 22.05.2017

Dr. Rusydi Umar

Lecturer

Ahmad Dhallan University

Indonesia

Dear Dr. Rusydi Umar,

Sub: Invitation to visit our University.

To enhance our partnership relationship, it is my great pleasure to invite you to visit Sathyabama University, Chennai, India for the period from 28th June 2017 to 1st August 2017. This visit will provide you an opportunity to know about our University and to interact with Faculty and students of our University.

I am looking forward to welcoming you at Sathyabama University.

Yours sincerely,

S. Sasipraba
22/5/17

Dr T.Sasipraba

Pro Vice Chancellor



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Admin. Office : 044 - 2450 3150 / 3151 / 3152 / 3154 / 3155 Fax : 044 - 2450 2344

E-mail : registrar@sathyabamauniversity.ac.in Website : www.sathyabamauniversity.ac.in

Letter of Invitation

Ref. No: SU/CAP/INBOUND/2017/0020

Date: 25-05-2017

Dr. Ramesh
Lecturer
University Malaysia Pahang
Malaysia

Dear Dr. Ramesh,

Sub: Invitation to visit our university

We are pleased to invite you to our University to work as Visting International Professor in the School of Bio and Chemical Engineering from 03-07-2017 - 21-07-2017. The accommodation and Local hospitality will be taken care by the University. Kindly let us know your acceptance and you are requested to send us an acceptance letter for the same.

We will be delighted to welcome you to our University.

Yours Sincerely,

Dr. T. Sasipraba
Pro Vice Chancellor

Letter of Acceptance

Date: 07/06/2017

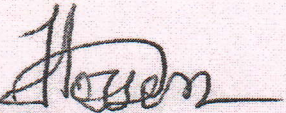
Dr. T. Sasipraba
Pro Vice Chancellor
Sathyabama University
Jeppiaar Nagar, Rajiv Gandhi Salai
Chennai, 600 119 Tamil Nadu
India

Dear Dr. T. Sasipraba

I am writing to confirm my acceptance of your offer as a **Visiting International Professor** on **02nd of September to 30th of September 2017** and I am delighted to be joining your university in Chennai. I feel confident that I can make a significant contribution to the university, and I am grateful for the opportunity you have given me.

I look forward to working with you and your team. I appreciate your confidence in me and am very happy to be joining as a Visiting International Professor.

Sincerely,


DR. MD. JAKIR HOSSEN
Senior Lecturer
Faculty of Engineering & Technology
Multimedia University
Jalan Ayer Keroh Lama
75450 Melaka

FACULTY OF ENGINEERING & TECHNOLOGY

Letter of Acceptance

**Dear. Professor T. Sasipraba
Pro Vice Chancellor
Sathybama University
Jeppiar Bagar, Rajiv Gandhi Salai, Chennai**

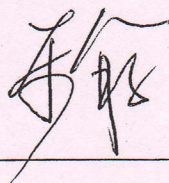
Dear Prof. Sasipraba,

Sub: Acceptance of Offer

I am pleased to receive the invitation dated 22nd May 2017. I hereby accept your offer and will be in your University from 04.09.2017 to 22.09.2017.

Thanks

With Regards



Dr. Lim Thong Leng
Senior Lecturer
Faculty of Engineering and Technology(FET)
Multimedia University (MMU)
75450 Melaka
28th May 2017

Statement of Examination Result

Universiti Malaysia Pahang (UMP)

SEMESTER SEMESTER 1 SESSION 2017/2018

ID / NAME FA17050 JUNNU ASHOK CHAKRAVARTHY

PROGRAMME BFF SARJANA MUDA (KEPUJIAN) KEJURUTERAAN PEMBUATAN

FACULTY FKP1000 FAKULTI KEJURUTERAAN PEMBUATAN

TOTAL SEMESTER 1

COURSE CODE	COURSE NAME	CREDIT	GRADE	GRADE POINT	STATUS
1 BFF3242	HEAT TRANSFER	2	C-	1.67	PASS
2 BFF3123	MACHINE DESIGN	3	C+	2.33	PASS
3 BFF3503	PRODUCTION ENGINEERING	3	A-	3.67	PASS
4 BFF3523	PRODUCTION PLANNING AND CONTROL	3	B	3.00	PASS

GPA	2.76	GRADE POINT	30.34	Previous Semester	Current Semester	Total
CPA	2.76	GRADE POINT	30.34	Counted Credit	11	11
		TOTAL		Earned Credit	11	11
				Taken Credit	11	11
				Exempted Credit		
Class				Status		KB

Reference:	KC = Excellent Standing	P1 = Probation 1	KG = Fail Standing
	KB = Good Standing	P2 = Probation 2	

Certified True Copy



INTAN AZWANI BINTI AZMI
EXECUTIVE
ACADEMIC MANAGEMENT DIVISION
CANSELERI TUN ABDUL RAZAK
UNIVERSITI MALAYSIA PAHANG
26600 PEKAN, PAHANG

Statement of Examination Result

Universiti Malaysia Pahang (UMP)

SEMESTER SEMESTER 1 SESSION 2017/2018
 ID / NAME FA17051 JOSHUA PRABHAHAR J
 PROGRAMME BFF SARJANA MUDA (KEPUJIAN) KEJURUTERAAN PEMBUATAN
 FACULTY FKP1000 FAKULTI KEJURUTERAAN PEMBUATAN

TOTAL SEMESTER 1

	COURSE CODE	COURSE NAME	CREDIT	GRADE	GRADE POINT	STATUS
1	BFF3242	HEAT TRANSFER	2	D+	1.33	PASS
2	BFF3123	MACHINE DESIGN	3	C+	2.33	PASS
3	BFF3503	PRODUCTION ENGINEERING	3	A-	3.67	PASS
4	BFF3523	PRODUCTION PLANNING AND CONTROL	3	B-	2.67	PASS

GPA 2.61 GRADE POINT 28.67
 CPA 2.61 GRADE POINT 28.67
 TOTAL

	Previous Semester	Current Semester	Total
Counted Credit		11	11
Earned Credit		11	11
Taken Credit		11	11
Exempted Credit			
Status			KB

Class

Reference: KC = Excellent Standing
 KB = Good Standing

P1 = Probation 1
 P2 = Probation 2

KG = Fail Standing

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 EXECUTIVE
 ACADEMIC MANAGEMENT DIVISION
 CANSELERI TUN ABDUL RAZAK
 UNIVERSITI MALAYSIA PAHANG
 26600 PEKAN, PAHANG



ROMANIA
MINISTRY OF NATIONAL EDUCATION,
University of Craiova
70 years
Tradition, Performance, Vision



RECTOR'S OFFICE

No. 456 / DRI / 12.12.2017,
Craiova

To whom it may concern,

We hereby confirm that **Mr. KRISHNARAJ HEMANTH**, born on 13th of January 1998, in Simra, India, holder of **passport no. R4776596**, student at Sathyabama University (India), has been awarded a five-month international student exchange mobility within the framework of the Bilateral Agreement for Academic Cooperation concluded between the Sathyabama University (India) and the University of Craiova (Romania), at the University of Craiova, Romania, Faculty of Mechanical Engineering, for the academic year 2017-2018, starting from **20th of February 2018 to 30th of June 2018**.

The financial support will be provided by sending part and the University of Craiova shall not ask the student to pay any tuition fees.

The student will benefit from proper accommodation in the campus of the University of Craiova, Hostel Residence no.8, located on 107G, Calea Bucuresti Street.

Yours faithfully,

RECTOR,
Prof. Cezar Ionuț SPÎNU, Ph.D



OUR REF. : UMP.02.03/13.10/1/16 Jld. 6 (6)

DATE : 29th December 2017

CHANDRASEKARAN BALAJI (PASSPORT NO: P6425988)
SATHYABAMA UNIVERSITY
JEPPIAAR NAGAR, RAJIV GHANDI ROAD
CHENNAI 600119
TAMIL NADU, INDIA

Dear Sir/ Madam,

STUDENT MOBILITY PROGRAMME WITH UNIVERSITI MALAYSIA PAHANG (UMP)

It is our pleasure to extend to you an offer to participate in the Student Mobility Programme with Universiti Malaysia Pahang (UMP).

2. The particulars of this offer are as follows:

2.1	Semester & Academic Session	:	Semester II Academic Session 2017/2018
2.2	Duration	:	One (1) Semester
2.3	Programme	:	B.Eng (Hons.) Mechanical Engineering
2.4	Faculty	:	Faculty of Mechanical Engineering
2.5	Fee(s)	:	Refer to fees schedule
2.6	Registration date and time	:	09.00 am, 9 th February 2018 (Friday)
2.7	Registration venue	:	Academic Management Division Universiti Malaysia Pahang Pekan Campus 26300 Kuantan, Pahang Malaysia

3. During the abovementioned programme duration, you are subjected to and shall abide by all Academic Rules and Regulations and other rules and regulations/directions issued from time to time by UMP.

4. The offer made herein and fees as stated above have been jointly agreed with your Home University. However, please also take note that all expenses pertaining to immigration matters are to be borne by you.

5. The University takes this opportunity to wish you "*Selamat Datang*" and hopes that you will have an exciting and enriching learning experience at UMP. For further enquiries, please contact Mr. Mohammad Ilzam bin Jamat at our International Office (Tel: +609 5492727, Fax: +606 5492698, e-mail: ilzam@ump.edu.my).

Thank You.

Yours sincerely,



ARMAN BIN A. RAHIM

Manager

Academic Management Division

Universiti Malaysia Pahang

For and on behalf of the COO Chief Operating Officer

Tel : 09 549 2550
Fax : 09 549 2555
Email : arman@ump.edu.my

- c.c
1. Deputy Vice Chancellor (Academic & International)
 2. Deputy Vice Chancellor (Student Affairs & Alumni)
 3. COO Chief Operating Officer
 4. Bursary
 5. Dean, Faculty of Mechanical Engineering
 6. Director, Center for Academic Innovation & Competitiveness
 7. Director, International Office



Pusat Antarabangsa PUTRA
PUTRA International Centre

Our reference : UPM/PIC/3/1
Date : 25 January 2018

Ms. Karanam Sai Bhayya
Sathyabama University, Chennai,
Tamilnadu, India
E-mail address: saibhavyakaranam@gmail.com

Dear Ms. Karanam Sai Bhayya,

Internship Programme at Universiti Putra Malaysia (UPM)

We are pleased to inform you that your application for Mobility Student Programme at UPM has been approved. The details of the programme are as per below:

Faculty : Faculty of Medicine and Health Sciences
Department : Department of Medical Microbiology & Parasitology
Programme : Bachelor
Academic Advisor : Dr. Suresh Kumar Subbiah
Study Period : 1st February 2018- 31st July 2018 (6 months)
Orientation Period : To be informed
Student Visa Package : Attached with this email
Study Fees : You are required to pay following fees below

No	Compulsory Fees	Amount	Remark
I.	Tuition fee	-	-
II.	Bench fee	-	Payment can be made at University Bursar Office or deposit to CIMB Counter/ online payment Account no: 8002155042 Account name UPM Collection
III.	Registration, Orientation, co-curricular and Service Fees	MYR502.50	
IV.	Visa Approval Letter Process fee	MYR270	

2. You are required to apply for student Visa Approval Letter (VAL) and SEV before coming to Malaysia. Kindly refer to the Education Malaysia Global Services (EMGS) website at <https://educationmalaysia.gov.my>. You must apply for your student mobility visa by 30th January 2018. If you accept this mobility admission offer, please reply to this email by 30th January 2018.

3. Please note that there is no possibility for extension of the student mobility period beyond the numbers of month stated in this offer letter. If you intend to extend your studies in Malaysia please inform us by 30th January 2018 to receive a new offer letter.

3. Finally, I wish you all the best and hope your stay in UPM will be one of the most exciting periods of your life time. Should you have any enquiries please do not hesitate to contact us at telephone number: +603-8946 7808 or email to the Mobility Officer Mrs. Rahayu at rahayu.ridzuan@upm.edu.my / mobility@upm.edu.my.

We look forward to welcome you to Universiti Putra Malaysia.

Thank you.

"WITH KNOWLEDGE WE SERVE"

Yours sincerely,



(SALIZA MUSTAFA)

Head

Putra International Centre

c.c. Director, Putra International Centre

Deputy Director, Putra International Centre

Dean, Faculty of Medicine and Health Sciences



Pusat Antarabangsa PUTRA
PUTRA International Centre

Our reference : UPM/PIC/3/1
Date : 25 January 2018

Ms. Saipriya. C
Sathyabama University, Chennai,
Tamilnadu, India
E-mail address: saipriya24C@gmail.com

Dear Ms. Saipriya. C,

Internship Programme at Universiti Putra Malaysia (UPM)

We are pleased to inform you that your application for Mobility Student Programme at UPM has been approved. The details of the programme are as per below:

Faculty	: Faculty of Medicine and Health Sciences
Department	: Department of Medical Microbiology & Parasitology
Programme	: Bachelor
Academic Advisor	: Dr. Suresh Kumar Subbiah
Study Period	: 1 st February 2018- 31 st July 2018 (6 months)
Orientation Period	: To be informed
Student Visa Package	: Attached with this email
Study Fees	: You are required to pay following fees below

No	Compulsory Fees	Amount	Remark
I.	Tuition fee	-	-
II.	Bench fee	-	Payment can be made at University Bursar Office or deposit to CIMB Counter/ online payment Account no: 8002155042 Account name UPM Collection
III.	Registration, Orientation, co-curricular and Service Fees	MYR502.50	
IV.	Visa Approval Letter Process fee	MYR270	

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3. Please note that there is no possibility for extension of the student mobility period beyond the numbers of month stated in this offer letter. If you intend to extend your studies in Malaysia please inform us by 30th January 2018 to receive a new offer letter.

3. Finally, I wish you all the best and hope your stay in UPM will be one of the most exciting periods of your life time. Should you have any enquiries please do not hesitate to contact us at telephone number: +603-8946 7808 or email to the Mobility Officer Mrs. Rahayu at rahayu.ridzuan@upm.edu.my / mobility@upm.edu.my.

We look forward to welcome you to Universiti Putra Malaysia.

Thank you.

"WITH KNOWLEDGE WE SERVE"

Yours sincerely,



(SALIZA MUSTAFA)

Head

Putra International Centre

c.c. Director, Putra International Centre

Deputy Director, Putra International Centre

Dean, Faculty of Medicine and Health Sciences



Pusat Antarabangsa PUTRA
PUTRA International Centre

Our reference : UPM/PIC/3/1
Date : 25 January 2018

Ms. Chamorthy Sai Sahitya
Sathyabama University, Chennai,
Tamilnadu, India
E-mail address: saisahithya1998@gmail.com

Dear Ms. Chamorthy Sai Sahitya,

Internship Programme at Universiti Putra Malaysia (UPM)

We are pleased to inform you that your application for Mobility Student Programme at UPM has been approved. The details of the programme are as per below:

Faculty : Faculty of Medicine and Health Sciences
Department : Department of Medical Microbiology & Parasitology
Programme : Bachelor
Academic Advisor : Dr. Suresh Kumar Subbiah
Study Period : 1st February 2018- 31st July 2018 (6 months)
Orientation Period : To be informed
Student Visa Package : Attached with this email
Study Fees : You are required to pay following fees below

No	Compulsory Fees	Amount	Remark
I.	Tuition fee	-	-
II.	Bench fee	-	Payment can be made at University Bursar Office or deposit to CIMB Counter/ online payment Account no: 8002155042 Account name UPM Collection
III.	Registration, Orientation, co-curricular and Service Fees	MYR502.50	
IV.	Visa Approval Letter Process fee	MYR270	

2. You are required to apply for student Visa Approval Letter (VAL) and SEV before coming to Malaysia. Kindly refer to the Education Malaysia Global Services (EMGS) website at <https://educationmalaysia.gov.my>. You must apply for your student mobility visa by 30th January 2018. If you accept this mobility admission offer, please reply to this email by 30th January 2018.

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3. Finally, I wish you all the best and hope your stay in UPM will be one of the most exciting periods of your life time. Should you have any enquiries please do not hesitate to contact us at telephone number: +603-8946 7808 or email to the Mobility Officer Mrs. Rahayu at rahayu.ridzuan@upm.edu.my / mobility@upm.edu.my.

We look forward to welcome you to Universiti Putra Malaysia.

Thank you.

"WITH KNOWLEDGE WE SERVE"

Yours sincerely,



(SALIZA MUSTAFA)

Head

Putra International Centre

c.c. Director, Putra International Centre

Deputy Director, Putra International Centre

Dean, Faculty of Medicine and Health Sciences

PRIVATE & CONFIDENTIAL

Friday, 23 March 2018

Ms. Tahreen Rafi
21/35 RP Road, Dignabad, Port Blair,
Andaman and Nicobar Islands,
India-744107

Dear **Ms. Tahreen Rafi**,

INVITATION LETTER FOR RESEARCH ATTACHMENT

I am pleased to extend to you an invitation for a **research internship** with the Department of Biological Sciences, at the National University of Singapore ("**NUS**").

The research attachment shall be for a period of **6 months** and scheduled to take place from **20th April 2018 to 19th October 2018**, subject to any change in the commencement date.

The research attachment forms a platform for you to undertake **research internship in Biochemistry**. Details of the expected activities during your research attachment are set out in the attached Annex A.

Your supervisor will be **R Manjunatha Kini**, Professor, and you will be expected to follow instructions of your supervisor for the duration of your research attachment.

By accepting this invitation, you understand, acknowledge and agree that:

1. (a) In the course of your research attachment, NUS' Confidential Information (as defined below) may be disclosed to you in tangible, oral or visual form and identified as confidential or proprietary or with words of similar import, or through observations made by you through your access to NUS' premises during your research attachment. You agree (i) to hold in the strictest confidence and not disclose to any third party, whether directly or indirectly, such Confidential Information, (ii) not to remove any document, diskettes, tapes, equipment or other materials containing or referring to such Confidential Information from NUS' premises, and (iii) not to copy or reproduce or permit others to copy or reproduce, in or by any form, media or device, any documents, diskettes, tapes or other materials containing or referring to such Confidential Information, without NUS' prior written permission. You shall also return immediately to NUS upon our request all documents, diskettes, tapes and other materials held by you containing or referring to Confidential Information.
- (b) Your obligations to maintain confidentiality and secrecy shall apply during and after your research attachment until such time that the Confidential Information has been made public by NUS.

(c) “Confidential Information” means all information (whether recorded or not and in whatever form or media) which are not available to the public, relating to all or any part of the business, property, assets, technology, activities, services, financial affairs, management and administration of NUS, including information relating to NUS’ staff, students, donors, alumni, business or academic partners, clients, suppliers and any third party dealing with NUS.

2. You will be subject to the terms set out in the attached Annex B relating to obligations under the Personal Data Protection Act 2012.
3. For purposes of determining the rights in respect of intellectual property created by you in the course of your research attachment, NUS’ Policies Relating to University Intellectual Property (“**NUS IP Policy**”), updated from time to time, shall apply to you as if you are a University Member (as defined in the NUS IP Policy) and shall take precedence over any inconsistent obligations you may have to your employee in respect of such rights. A copy of the current NUS IP Policy (010109 v110309) is attached hereto for your reference.
4. During your research attachment, you will be expected to conform to all applicable NUS policies, rules and regulations as may be conveyed to you by your supervisor and/or other NUS staff from time to time.
5. NUS shall not be providing any financial support for your visit. You will be expected to provide your own funding to cover all the expenses of your visit at NUS and make your own arrangements for travel, accommodations and insurance to cover medical, personal accidents, loss and/or damage to personal effects and any other contingencies, in relation to yourself and any accompanying dependents.
6. NUS may terminate the research attachment with immediate notice and without payment of any compensation should you:
 - (a) be charged with or convicted by a court of law of any crime which in NUS’ opinion is likely to bring NUS into disrepute; or
 - (b) in NUS’ opinion, be guilty of insobriety or misconduct or gross impropriety; or
 - (c) fail to observe any of the terms and conditions of this invitation.
7. You are solely and personally responsible for, and undertake to settle prior to leaving Singapore, all personal debts and liabilities incurred during or as a result of your visit, including but not limited to any income and other personal taxes that may be payable to the Inland Revenue Authority of Singapore (“IRAS”) and other personal expenses that you may have incurred in relation to your stay in Singapore. You shall also return to NUS any laptops or other equipment, security cards, keys and other items that were loaned to you by NUS during your visit.
8. This invitation shall be governed by and construed in accordance with the laws of Singapore.

9. This invitation is contingent upon you being granted the appropriate work permit or pass by the Ministry of Manpower, Singapore, which shall be applied for at your cost.

If you accept this invitation, please sign and date your acceptance on the duplicate copy of this letter and return the same to:

Department of Biological Sciences
National University of Singapore
16 Science Drive 4
Singapore 117558

Attention: R Manjunatha Kini, Professor

Thank you.

Yours sincerely



R Manjunatha Kini, PhD
Professor
Department of Biological Sciences
National University of Singapore

Department of Biological Sciences
National University of Singapore
16 Science Drive 4
Singapore 117558

Acceptance

I acknowledge and accept NUS' invitation on the terms and conditions as stated in the above-written letter dated Friday, 23 March 2018.

Signature : _____

Full Name : _____

Passport No. : _____

Date : _____

Protein expression, disulfide pairing and protein folding in three-finger toxins

Three-finger toxins are a major group of non-enzymatic toxins. Toxins in this group exhibit wide variety of pharmacological effects indicating the versatility of this protein fold. Ms. Tahreen will aim to express few of these novel three finger toxins and will also identify the structural elements that are responsible for disulfide pairing and protein folding in these three-finger toxins. Identifying such structural elements will help in designing proteins with canonical and non-canonical structural folds.

Annex B

1. In connection with the Personal Data Protection Act 2012, I agree to my personal data (that is in the possession of NUS and that I may provide NUS in the future) being collected, used and disclosed by NUS for the purposes of:
 - (a) processing, administering, managing and/or terminating my relationship with NUS and such ancillary matters relating to my health, general well-being and welfare;
 - (b) facilitating communication with me or my nominated contacts in an emergency;
 - (c) managing NUS' infrastructure and operations, including disclosure and processing necessary for NUS to conduct its activities, including but not limited to responding to third party requests pursuant to contractual requirement and engaging of outsourcing companies;
 - (d) maintaining campus safety and security of persons and property (including the use of CCTVs), as well as investigating any alleged or actual fraud, misconduct or unlawful conduct within NUS;
 - (e) carrying out due diligence or other monitoring or screening activities (including background checks) in accordance with legal or regulatory obligations or risk management procedures that may be required by law or that may have been put in place by NUS;
 - (f) complying with legal or regulatory obligations or NUS' internal policies and procedures (including regulatory reporting in accordance with statutory obligations that may be required by law), as well as responding to requests for information from Ministries, public agencies, statutory boards or other similar authorities from time to time;
 - (g) responding to legal process, pursuing legal rights and remedies, defending litigation and managing complaints or claims;
 - (h) storage, hosting, back-up and disaster recovery;
 - (i) carrying out and performing NUS' obligations in its contracts with current / potential partners and/or other third parties, which may require exchange of personal information of staff with such counter-parties;
 - (j) administrative purposes including, without limitation, processing, facilitating and making arrangements for business travels, and managing and administering the security control and access rights to NUS' premises;
 - (k) managing, facilitating and administering activities that are conducted or offered by NUS and/or external entities which may include the disclosure of

my information to NUS' Development Office, other NUS units and/or such external entities for the participation in social and welfare programmes, donation and/or other charity activities;

- (l) taking of photographs and/or videos (whether by NUS staff or third party photographers and/or videographers) during events or seminars organised by NUS or its affiliates for publicity purposes (including in NUS' publicity and communications materials); and
 - (m) disclosing and transferring data to any third party service providers, agencies (which may be sited out of Singapore) that provides administrative, data processing, computer or other services to NUS.
2. I understand and acknowledge that my personal data will/may be disclosed by NUS to third party service providers or agents (whether in Singapore or elsewhere in the world where such service providers are sited) for one or more of the abovementioned purposes, as such third party service providers or agents, if engaged by NUS, would be processing my personal data for NUS, for one or more of the abovementioned purposes.
3. I further understand and acknowledge that NUS may retain my personal data upon termination of my relationship with NUS for any residual activities (for e.g., the provision of references, record keeping purposes, and allowing NUS to fulfil any of its contractual or statutory obligations).
4. I consent to the collection, use and disclosure of my personal data for the above purposes and I will ensure that my personal data is correct and true by keeping my personal information as declared by me to NUS up to date at all times.
5. I further declare and warrant the following:
- (a) that for any personal data of any other individuals disclosed by me in connection with processing, administering, managing and/or terminating my relationship with NUS and ancillary matters relating to my general well-being and welfare, prior to disclosing such individuals' personal data to NUS, I have obtained the appropriate consent from the individuals whose personal data are being disclosed, to permit NUS to collect, use and disclose such personal data for the purposes related thereto;
 - (b) that the personal data of the other individuals above that I will be or is disclosing to NUS are accurate. Further, I shall give NUS notice in writing as soon as reasonably practicable should I be aware that any such personal data has been updated and/or changed after such disclosure, or that any individual above has withdrawn such consent as set out in clause 5(a); and
 - (c) that for any data that I collect or have access to in the course of my work, I would use and disclose the information in compliance with the obligations

under the Personal Data Protection Act and other confidentiality requirements imposed on me

6. I understand and acknowledge that the terms set out in this statement shall be incorporated by reference to and form part of the terms of NUS' offer of training to me.

PRIVATE & CONFIDENTIAL

27 March 2018

Arja Sri Sai
H No. 1-46/3/3, Plot No: 53 Shankar Nagar Phase-2,
Chandanagar Hydatabad, Telanganar 500050

Dear Arja Sri Sai,

INVITATION LETTER FOR RESEARCH ATTACHMENT

I am pleased to extend to you an invitation for a research attachment with our Department of Mechanical Engineering ("**ME Dept**") at the National University of Singapore ("**NUS**").

The research attachment shall be for a period of 4 months and scheduled to take place from 1 April 2018 to 1 August 2018, subject to any change in the commencement date.

The research attachment forms part of your course requirements for the B. Engineering degree programme that you are undertaking at Sathyabama Institute of Science and Technology, India. Details of the expected activities during your research attachment are set out in the attached Annex A.

Your supervisor will be A/P Manoj Gupta and you will be expected to follow the instructions of your supervisor for the duration of your research attachment.

By accepting this invitation, you understand, acknowledge and agree that:

1. (a) In the course of your research attachment, NUS' Confidential Information (as defined below) may be disclosed to you in tangible, oral or visual form and identified as confidential or proprietary or with words of similar import, or through observations made by you through your access to NUS' premises during your research attachment. You agree (i) to hold in the strictest confidence and not disclose to any third party, whether directly or indirectly, such Confidential Information, (ii) not to remove any document, diskettes, tapes, equipment or other materials containing or referring to such Confidential Information from NUS' premises, and (iii) not to copy or reproduce or permit others to copy or reproduce, in or by any form, media or device, any documents, diskettes, tapes or other materials containing or referring to such Confidential Information, without NUS' prior written permission. You shall also return immediately to NUS upon our request all documents, diskettes, tapes and other materials held by you containing or referring to Confidential Information.

(b) Your obligations to maintain confidentiality and secrecy shall apply during and after your research attachment until such time that the Confidential Information has been made public by NUS.

(c) "Confidential Information" means all information (whether recorded or not and in whatever form or media) which are not available to the public, relating to all or any part of the business, property, assets, technology, activities, services, financial affairs, management and administration of NUS, including information relating to NUS' staff, students, donors, alumni, business or academic partners, clients, suppliers and any third party dealing with NUS.
2. You will be subject to the terms set out in the attached Annex B relating to obligations under the Personal Data Protection Act 2012.

3. For purposes of determining the rights in respect of intellectual property created by you in the course of your research attachment, NUS' Policies Relating to University Intellectual Property ("**NUS IP Policy**"), updated from time to time, shall apply to you as if you are a University Member (as defined in the NUS IP Policy) and shall take precedence over any inconsistent obligations you may have to your employer in respect of such rights. A copy of the current NUS IP Policy (010109 v110309) is attached hereto for your reference.
4. During your research attachment, you will be expected to conform to all applicable NUS policies, rules and regulations as may be conveyed to you by your supervisor and/or other NUS staff from time to time.
5. NUS shall not be providing any financial support for your visit. You will be expected to provide your own funding to cover all the expenses of your research attachment at NUS and make your own arrangements for travel, accommodations and insurance to cover medical, personal accidents, loss and/or damage to personal effects and any other contingencies, in relation to yourself and any accompanying dependents.
6. NUS may terminate the research attachment with immediate notice and without payment of any compensation should you:
 - (a) be charged with or convicted by a court of law of any crime which in NUS' opinion is likely to bring NUS into disrepute; or
 - (b) in NUS' opinion, be guilty of insobriety or misconduct or gross impropriety; or
 - (c) fail to observe any of the terms and conditions of this invitation.
7. You are solely and personally responsible for, and undertake to settle prior to leaving Singapore, all personal debts and liabilities incurred during or as a result of your visit and other personal expenses that you may have incurred in relation to your stay in Singapore. You shall also return to NUS any items or other equipment, security cards, keys and other items that were loaned to you by NUS during your visit.
8. This invitation shall be governed by and construed in accordance with the laws of Singapore.
9. This invitation is contingent upon you being granted the appropriate work permit or pass by the Ministry of Manpower, Singapore.

If you accept this invitation, please sign and date your acceptance on the duplicate copy of this letter and return the same no later than 6 April (1 week from invite date) to mpengfy@nus.edu.sg.

Thank you.

Yours sincerely,



Professor Phan-Thien Nhan
Head of Department
Department of Mechanical Engineering
National University of Singapore

Acceptance

I acknowledge and accept NUS' invitation on the terms and conditions as stated in the above-written letter dated 28-3.2018.

Signature : _____

Full Name : _____

Passport No. : _____

Date : _____

Annex A

TRAINING WORKPLAN FOR VISITING STUDENT

Target Student: Arja Sri Sai
Prepared By / Supervisor: Manoj Gupta

Project Title: Development of Lightweight Materials

Background: Advancement in high performance and lightweight materials is a must requirement for sustainable future. Accordingly the development of such materials or processing techniques will be emphasized in the project that will be tailored for the student.

Scope of Work: The project will involve the development of lightweight materials based on magnesium. The materials will be synthesized and characterized for investigating the feasibility of materials for engineering applications. The work will be mostly experimental and exposure will be provided on the use of state-of-art techniques that are already existing in the lab.

Training Objective: To enhance the appreciation of research to student through quality exposure to equipment and mentoring.

Project Schedule / Time Frame / Duration

The duration of the training program is ~4 months starting from 01-04-2018 to 01-08-2018. The schedule of the training program is as follows:

"Milestone"	Month 1	Month 2	M3
Synthesis of Materials	✓	✓	
Characterization	✓	✓	✓
Analysis	✓	✓	✓
Report Writing			✓

Deliverables

The student will be involved in a feasibility study with a high chance of success. Provided the results are good, the work may lead to: a) a short publication and/or b) trigger a new line of research activity. In addition, the student will get to learn about the work culture and facilities available at NUS, Singapore.

Annex B

1. In connection with the Personal Data Protection Act 2012, I agree to my personal data (that is in the possession of NUS and that I may provide NUS in the future) being collected, used and disclosed by NUS for the purposes of:
 - (a) processing, administering, managing and/or terminating my relationship with NUS and such ancillary matters relating to my health, general well-being and welfare;
 - (b) facilitating communication with me or my nominated contacts in an emergency;
 - (c) managing NUS' infrastructure and operations, including disclosure and processing necessary for NUS to conduct its activities, including but not limited to responding to third party requests pursuant to contractual requirement and engaging of outsourcing companies;
 - (d) maintaining campus safety and security of persons and property (including the use of CCTVs), as well as investigating any alleged or actual fraud, misconduct or unlawful conduct within NUS;
 - (e) carrying out due diligence or other monitoring or screening activities (including background checks) in accordance with legal or regulatory obligations or risk management procedures that may be required by law or that may have been put in place by NUS;
 - (f) complying with legal or regulatory obligations or NUS' internal policies and procedures (including regulatory reporting in accordance with statutory obligations that may be required by law), as well as responding to requests for information from Ministries, public agencies, statutory boards or other similar authorities from time to time;
 - (g) responding to legal process, pursuing legal rights and remedies, defending litigation and managing complaints or claims;
 - (h) storage, hosting, back-up and disaster recovery;
 - (i) carrying out and performing NUS' obligations in its contracts with current / potential partners and/or other third parties, which may require exchange of personal information of staff with such counter-parties;
 - (j) administrative purposes including, without limitation, processing, facilitating and making arrangements for business travels, and managing and administering the security control and access rights to NUS' premises;
 - (k) managing, facilitating and administering activities that are conducted or offered by NUS and/or external entities which may include the disclosure of my information to NUS' Development Office, other NUS units and/or such external entities for the participation in social and welfare programmes, donation and/or other charity activities;
 - (l) taking of photographs and/or videos (whether by NUS staff or third party photographers and/or videographers) during events or seminars organised by NUS or its affiliates for publicity purposes (including in NUS' publicity and communications materials); and
 - (m) disclosing and transferring data to any third party service providers, agencies (which may be sited out of Singapore) that provides administrative, data processing, computer or other services to NUS.

2. I understand and acknowledge that my personal data will/may be disclosed by NUS to third party service providers or agents (whether in Singapore or elsewhere in the world where such service providers are sited) for one or more of the abovementioned purposes, as such third party service providers or agents, if engaged by NUS, would be processing my personal data for NUS, for one or more of the abovementioned purposes.
3. I further understand and acknowledge that NUS may retain my personal data upon termination of my relationship with NUS for any residual activities (for e.g., the provision of references, record keeping purposes, and allowing NUS to fulfil any of its contractual or statutory obligations).
4. I consent to the collection, use and disclosure of my personal data for the above purposes and I will ensure that my personal data is correct and true by keeping my personal information as declared by me to NUS up to date at all times.
5. I further declare and warrant the following:
 - (a) that for any personal data of any other individuals disclosed by me in connection with processing, administering, managing and/or terminating my relationship with NUS and ancillary matters relating to my general well-being and welfare, prior to disclosing such individuals' personal data to NUS, I have obtained the appropriate consent from the individuals whose personal data are being disclosed, to permit NUS to collect, use and disclose such personal data for the purposes related thereto;
 - (b) that the personal data of the other individuals above that I will be or is disclosing to NUS are accurate. Further, I shall give NUS notice in writing as soon as reasonably practicable should I be aware that any such personal data has been updated and/or changed after such disclosure, or that any individual above has withdrawn such consent as set out in clause 5(a); and
 - (c) that for any data that I collect or have access to in the course of my work, I would use and disclose the information in compliance with the obligations under the Personal Data Protection Act and other confidentiality requirements imposed on me
6. I understand and acknowledge that the terms set out in this statement shall be incorporated by reference to and form part of the terms of NUS' offer of training to me.

PRIVATE & CONFIDENTIAL

27 March 2018

Bandi Vedaraj Goud
H.No:-5-6-105/6, Coolilane,
Kothagudem (district), Telangana - 507101

Dear Bandi Vedaraj Goud

INVITATION LETTER FOR RESEARCH ATTACHMENT

I am pleased to extend to you an invitation for a research attachment with our Department of Mechanical Engineering ("**ME Dept**") at the National University of Singapore ("**NUS**").

The research attachment shall be for a period of 4 months and scheduled to take place from 1 April 2018 to 1 August 2018, subject to any change in the commencement date.

The research attachment forms part of your course requirements for the B. Engineering degree programme that you are undertaking at Sathyabama Institute of Science and Technology. Details of the expected activities during your research attachment are set out in the attached Annex A.

Your supervisor will be A/P Manoj Gupta and you will be expected to follow the instructions of your supervisor for the duration of your research attachment.

By accepting this invitation, you understand, acknowledge and agree that:

1. (a) In the course of your research attachment, NUS' Confidential Information (as defined below) may be disclosed to you in tangible, oral or visual form and identified as confidential or proprietary or with words of similar import, or through observations made by you through your access to NUS' premises during your research attachment. You agree (i) to hold in the strictest confidence and not disclose to any third party, whether directly or indirectly, such Confidential Information, (ii) not to remove any document, diskettes, tapes, equipment or other materials containing or referring to such Confidential Information from NUS' premises, and (iii) not to copy or reproduce or permit others to copy or reproduce, in or by any form, media or device, any documents, diskettes, tapes or other materials containing or referring to such Confidential Information, without NUS' prior written permission. You shall also return immediately to NUS upon our request all documents, diskettes, tapes and other materials held by you containing or referring to Confidential Information.

(b) Your obligations to maintain confidentiality and secrecy shall apply during and after your research attachment until such time that the Confidential Information has been made public by NUS.

(c) "Confidential Information" means all information (whether recorded or not and in whatever form or media) which are not available to the public, relating to all or any part of the business, property, assets, technology, activities, services, financial affairs, management and administration of NUS, including information relating to NUS' staff, students, donors, alumni, business or academic partners, clients, suppliers and any third party dealing with NUS.
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5. NUS shall not be providing any financial support for your visit. You will be expected to provide your own funding to cover all the expenses of your research attachment at NUS and make your own arrangements for travel, accommodations and insurance to cover medical, personal accidents, loss and/or damage to personal effects and any other contingencies, in relation to yourself and any accompanying dependents.
6. NUS may terminate the research attachment with immediate notice and without payment of any compensation should you:
 - (a) be charged with or convicted by a court of law of any crime which in NUS' opinion is likely to bring NUS into disrepute; or
 - (b) in NUS' opinion, be guilty of insobriety or misconduct or gross impropriety; or
 - (c) fail to observe any of the terms and conditions of this invitation.
7. You are solely and personally responsible for, and undertake to settle prior to leaving Singapore, all personal debts and liabilities incurred during or as a result of your visit and other personal expenses that you may have incurred in relation to your stay in Singapore. You shall also return to NUS any items or other equipment, security cards, keys and other items that were loaned to you by NUS during your visit.
8. This invitation shall be governed by and construed in accordance with the laws of Singapore.
9. This invitation is contingent upon you being granted the appropriate work permit or pass by the Ministry of Manpower, Singapore.

If you accept this invitation, please sign and date your acceptance on the duplicate copy of this letter and return the same no later than 6 April 2018 (1 week from invite date) to mpengfy@nus.edu.sg.

Thank you.

Yours sincerely,



Professor Phan-Thien Nhan
Head of Department
Department of Mechanical Engineering
National University of Singapore

Acceptance

I acknowledge and accept NUS' invitation on the terms and conditions as stated in the above-written letter dated 27 March 2018.

Signature : _____

Full Name : _____

Passport No. : _____

Date : _____

Annex A

TRAINING WORKPLAN FOR VISITING STUDENT

Target Student: Bandi Vedaraj Goud
Prepared By / Supervisor: Manoj Gupta

Project Title: Development of Lightweight Materials

Background: Advancement in high performance and lightweight materials is a must requirement for sustainable future. Accordingly the development of such materials or processing techniques will be emphasized in the project that will be tailored for the student.

Scope of Work: The project will involve the development of lightweight materials based on magnesium. The materials will be synthesized and characterized for investigating the feasibility of materials for engineering applications. The work will be mostly experimental and exposure will be provided on the use of state-of-art techniques that are already existing in the lab.

Training Objective: To enhance the appreciation of research to student through quality exposure to equipment and mentoring.

Project Schedule / Time Frame / Duration

The duration of the training program is ~4 months starting from 01-04-2018 to 01-08-2018. The schedule of the training program is as follows:

"Milestone"	Month 1	Month 2	M3
Synthesis of Materials	✓	✓	
Characterization	✓	✓	✓
Analysis	✓	✓	✓
Report Writing			✓

Deliverables

The student will be involved in a feasibility study with a high chance of success. Provided the results are good, the work may lead to: a) a short publication and/or b) trigger a new line of research activity. In addition, the student will get to learn about the work culture and facilities available at NUS, Singapore.

Annex B

1. In connection with the Personal Data Protection Act 2012, I agree to my personal data (that is in the possession of NUS and that I may provide NUS in the future) being collected, used and disclosed by NUS for the purposes of:
 - (a) processing, administering, managing and/or terminating my relationship with NUS and such ancillary matters relating to my health, general well-being and welfare;
 - (b) facilitating communication with me or my nominated contacts in an emergency;
 - (c) managing NUS' infrastructure and operations, including disclosure and processing necessary for NUS to conduct its activities, including but not limited to responding to third party requests pursuant to contractual requirement and engaging of outsourcing companies;
 - (d) maintaining campus safety and security of persons and property (including the use of CCTVs), as well as investigating any alleged or actual fraud, misconduct or unlawful conduct within NUS;
 - (e) carrying out due diligence or other monitoring or screening activities (including background checks) in accordance with legal or regulatory obligations or risk management procedures that may be required by law or that may have been put in place by NUS;
 - (f) complying with legal or regulatory obligations or NUS' internal policies and procedures (including regulatory reporting in accordance with statutory obligations that may be required by law), as well as responding to requests for information from Ministries, public agencies, statutory boards or other similar authorities from time to time;
 - (g) responding to legal process, pursuing legal rights and remedies, defending litigation and managing complaints or claims;
 - (h) storage, hosting, back-up and disaster recovery;
 - (i) carrying out and performing NUS' obligations in its contracts with current / potential partners and/or other third parties, which may require exchange of personal information of staff with such counter-parties;
 - (j) administrative purposes including, without limitation, processing, facilitating and making arrangements for business travels, and managing and administering the security control and access rights to NUS' premises;
 - (k) managing, facilitating and administering activities that are conducted or offered by NUS and/or external entities which may include the disclosure of my information to NUS' Development Office, other NUS units and/or such external entities for the participation in social and welfare programmes, donation and/or other charity activities;
 - (l) taking of photographs and/or videos (whether by NUS staff or third party photographers and/or videographers) during events or seminars organised by NUS or its affiliates for publicity purposes (including in NUS' publicity and communications materials); and
 - (m) disclosing and transferring data to any third party service providers, agencies (which may be sited out of Singapore) that provides administrative, data processing, computer or other services to NUS.

2. I understand and acknowledge that my personal data will/may be disclosed by NUS to third party service providers or agents (whether in Singapore or elsewhere in the world where such service providers are sited) for one or more of the abovementioned purposes, as such third party service providers or agents, if engaged by NUS, would be processing my personal data for NUS, for one or more of the abovementioned purposes.
3. I further understand and acknowledge that NUS may retain my personal data upon termination of my relationship with NUS for any residual activities (for e.g., the provision of references, record keeping purposes, and allowing NUS to fulfil any of its contractual or statutory obligations).
4. I consent to the collection, use and disclosure of my personal data for the above purposes and I will ensure that my personal data is correct and true by keeping my personal information as declared by me to NUS up to date at all times.
5. I further declare and warrant the following:
 - (a) that for any personal data of any other individuals disclosed by me in connection with processing, administering, managing and/or terminating my relationship with NUS and ancillary matters relating to my general well-being and welfare, prior to disclosing such individuals' personal data to NUS, I have obtained the appropriate consent from the individuals whose personal data are being disclosed, to permit NUS to collect, use and disclose such personal data for the purposes related thereto;
 - (b) that the personal data of the other individuals above that I will be or is disclosing to NUS are accurate. Further, I shall give NUS notice in writing as soon as reasonably practicable should I be aware that any such personal data has been updated and/or changed after such disclosure, or that any individual above has withdrawn such consent as set out in clause 5(a); and
 - (c) that for any data that I collect or have access to in the course of my work, I would use and disclose the information in compliance with the obligations under the Personal Data Protection Act and other confidentiality requirements imposed on me
6. I understand and acknowledge that the terms set out in this statement shall be incorporated by reference to and form part of the terms of NUS' offer of training to me.



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

UTM International
Chancellery

UTM International
Ground Floor
School of Graduate Studies (F54)
Universiti Teknologi Malaysia
81310 Johor Bahru
Johor, Malaysia

Tel: +(6)07-5538005 Fax: +(6)07-5538003 (Global Education & Relations) <http://www.utm.my/internationalaffairs> Email : international@utm.my
Tel: +(6)07-5537998 Fax: +(6)07-5537999 (International Students)

OUR REF:

YOUR REF:

UTM.J.01.34/14.17/1/51 Jld.21(7)

17 July 2017

Mathan Natarajamoorthy
Sathyabama University
India

Dear Mr.,

OFFER FOR MOBILITY PROGRAM AT UNIVERSITI TEKNOLOGI MALAYSIA, JOHOR BAHRU, MALAYSIA

We are pleased to offer you admission in the following program:-

Program	: UTM Internship/ Research
Status	: Postgraduate
Duration	: 1 February 2018 – 1 August 2018
Host Faculty	: Faculty of Electrical Engineering
Program	: MKEH
Academic Advisor/ Supervisor	: Dr. Michael Tan Loong Peng (Main Supervisor) Dr. Nurul Ezalla binti Alias (Co-Supervisor)
Fees	: Refer to Annex 1
Conditions	: Student is required to apply visa and insurance for the period of 12 months. Kindly refer to Annex 2 for the full procedures.

We look forward to welcome you in UTM!

Thank you.

Yours sincerely,

PROF. DR. NOR HANIZA SARMIN
Director (Global Education)
UTM International
Universiti Teknologi Malaysia
81310 Johor Bahru, Johor, Malaysia
For Vice Chancellor
Tel: +607-553 8004
Email: nhs@utm.my

- C.C
- Prof. Dr. Mohd Wazir bin Mustafa, Deputy Dean (Academic & Student Development)
 - Dr. Michael Tan Loong Peng, (Academic Advisor/Main Supervisor)
 - Dr. Nurul Ezalla binti Alias, (Academic Advisor/ Co-Supervisor)
Faculty of Electrical Engineering
 - Assoc. Prof. Dr. Mohamad Kasim bin Abdul Jalil
Director, Student Recruitment and Admission Division (SRAD)
 - Mr. Jeffri bin Selamat
Deputy Bursar, Bursar Office



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

UTM International

UTM International
Block S19
Universiti Teknologi Malaysia
81310 Johor Bahru
Johor, Malaysia

Tel: +(6)07-5538001 Fax: +(6)07-5536847 Email: international@utm.my (Global Education & Relations)
Tel: +(6)07-5536851 Fax: +(6)07-5536849 Email: isc@utm.my (International Student Centre)
<http://www.utm.my/international/>

OUR REF.:

UTM.J.01.34/14.17/1/51 Jld.23 (4)

YOUR REF.:

24 August 2017

Adeline Sneha
Sathyabama University
India

Dear Ms.,

OFFER FOR MOBILITY PROGRAM AT UNIVERSITI TEKNOLOGI MALAYSIA, JOHOR BAHRU, MALAYSIA

We are pleased to offer you admission in the following program:-

Program	UTM Internship / Research
Status	Postgraduate
Duration	: 1 February 2018 – 1 August 2018 (6 months)
Host Faculty	: Faculty of Electrical Engineering
Program	: PKEE3 - Doctor of Philosophy (Electrical Engineering)
Academic Advisor/ Supervisor	: Assoc. Prof. Dr. Nor Hisham bin Hj. Khamis
Fees	: Refer to Annex 1
Conditions	: Student is required to apply visa and insurance for the period of 12 months. Kindly refer to Annex 2 for the full procedures.

We look forward to welcome you in UTM!

Thank you.

Yours sincerely,

PROF. DR. NOR HANIZA SARMIN
Director (Global Education)
UTM International
Universiti Teknologi Malaysia
81310 Johor Bahru, Johor, Malaysia
For Vice Chancellor
Tel: +607-553 8004
Email: nhs@utm.my

- c.c
- **Prof. Dr. Mohd Wazir bin Mustafa, Deputy Dean (Academic & Student Development)**
 - **Assoc. Prof. Dr. Nor Hisham bin Hj. Khamis, (Academic Advisor/ Supervisor)**
Faculty of Electrical Engineering
 - **Assoc. Prof. Dr. Mohamad Kasim bin Abdul Jalil**
Director, Student Recruitment and Admission Division (SRAD)
 - **Mr. Jeffri Selamat**
Deputy Bursar, Bursar Office



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UTM International

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Tel: +(6)07-5538001 Fax: +(6)07-5536847 Email: international@utm.my (Global Education & Relations)
Tel: +(6)07-5536851 Fax: +(6)07-5536849 Email: isc@utm.my (International Student Centre)
<http://www.utm.my/international/>

OUR REF.:

YOUR REF.:

UTM.J.01.34/14.17/1/51 Jld.21 (59)

2 August 2017

Jamunarani Damodharan
Sathyabama University
India

Dear Ms.,

OFFER FOR MOBILITY PROGRAM AT UNIVERSITI TEKNOLOGI MALAYSIA, JOHOR BAHRU, MALAYSIA

We are pleased to offer you admission in the following program:-

Program	: UTM Internship/ Research
Status	: Postgraduate
Duration	: 1 February 2018 – 1 August 2018 (6 months)
Host Faculty	: Faculty of Electrical Engineering
Program	: PKEE3 - Doctor of Philosophy (Electrical Engineering)
Academic Advisor/ Supervisor	: Assoc. Prof. Dr. Norlaili binti Mat Safri
Fees	: Refer to Annex 1
Conditions	: Student is required to apply visa and insurance for the period of 12 months. Kindly refer to Annex 2 for the full procedures.

We look forward to welcome you in UTM!

Thank you.

Yours sincerely,

PROF. DR. NOR HANIZA SARMIN
Director (Global Education)
UTM International
Universiti Teknologi Malaysia
81310 Johor Bahru, Johor, Malaysia
For Vice Chancellor
Tel: +607-553 8004
Email: nhs@utm.my

c.c

- Prof. Dr. Mohd Wazir bin Mustafa, Deputy Dean (Academic & Student Development)
- Assoc. Prof. Dr. Norlaili binti Mat Safri, (Academic Advisor/ Supervisor)
Faculty of Electrical Engineering
- Assoc. Prof. Dr. Mohamad Kasim bin Abdul Jalil
Director, Student Recruitment and Admission Division (SRAD)
- Mr. Jeffri Selamat
Deputy Bursar, Bursar Office



UNIVERSITAS AHMAD DAHLAN

KAMPUS 1 : Jalan Kapas 9, Semaki Yogyakarta 55166
KAMPUS 2 : Jalan Pramuka 42, Sidikan, Yogyakarta 55161
KAMPUS 3 : Jalan Prof. Dr. Soepomo, SH., Warungboto, Yogyakarta 55164
KAMPUS 4 : Jalan Kolektor Ringroad Selatan, Tamanan, Banguntapan, Bantul, Yogyakarta
KAMPUS 5 : Jalan Ki Ageng Pemanahan 19, Sorosutan, Yogyakarta
TELEPON : (0274) 563515, 511830, 379418, 371120 Fax. (0274) 564604

OFFICIAL VISIT LETTER

R.IV/6 / D.68 / I/2018

Tuesday, 2nd January 2018

To :
Dr. T. Sasipraba
Pro Vice Chancellor
Sathyabama University
India

Dear Madam,

On behalf of Universitas Ahmad Dahlan, we would like to inform you that the delegation of our university, the under mentioned :

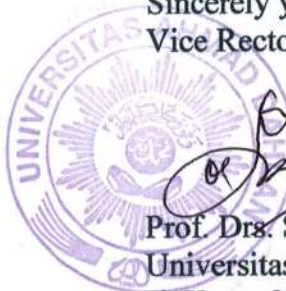
No	Name	Position	No. Passport
1	Rai Rake Setyawan, S.E., GD.Bus, MSA, Ph.D.	Lecturer	B 5160853
2	Mustika Rahmi, S.E., M.Sc.	Lecturer	A 7585958

will visit Sathyabama University, India from 1 - 28 February 2018 with the agenda to be the visiting lecturers in Sathyabama University, India as the implementation of collaboration between these two universities.

Please do not hesitate to contact us on (0274) 563515 ext. 1193 for any inquiry. Thank you and we look forward to seeing you.

Sincerely yours,
Vice Rector IV


Prof. Drs. Sarbiran, M.Ed., Ph.D.
Universitas Ahmad Dahlan
Jl. Kapas No.9 Semaki 55166
Telp : 0274-563515
Yogyakarta - Indonesia





UNIVERSITAS AHMAD DAHLAN

KAMPUS 1 : Jalan Kapas 9, Semaki Yogyakarta 55166
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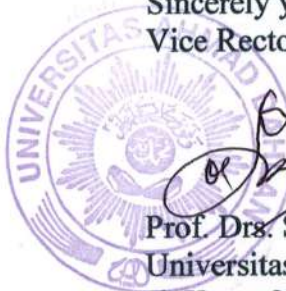
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Prof. Drs. Sarbiran, M.Ed., Ph.D.
Universitas Ahmad Dahlan
Jl. Kapas No.9 Semaki 55166
Telp : 0274-563515
Yogyakarta - Indonesia





FAKULTI PERUBATAN DAN SAINS KESIHATAN
Faculty of Medicine and Health Sciences

Ref. No : UPM/FPSK (JMPP)/800-1/2
Date : 28 December 2017

Associate Prof. Dr. Antony V. Samrot
No. 231, Second Middle Street,
Thiagarajanagar, Tirunelveli,
Tamil Nadu,
India.

Dear Sir,

**ATTACHMENT FOR RESEARCH WORK AT DEPARTMENT OF MEDICAL
MICROBIOLOGY & PARASITOLOGY**

I would like to inform you that your application for research attachment at our department, from 12th February to 12th July 2018, has been approved.

While we will host this visit, the University will not be responsible for funding any portion of your research and personal expenses. It is understood that you will bear the associated expenses while you are here. We look forward to meeting you.

Sincerely,

ASSOC. PROF. DR. SYAFINAZ AMIN NORDIN
Associate Professor (Medical) / Head of Department
Department of Medical Microbiology & Parasitology,
Faculty of Medicine and Health Science

cc: Dean, Faculty of Medicine and Health Science



UNIVERSITAS AHMAD DAHLAN

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OFFICIAL INVITATION LETTER

R.IV/ 5 / A.10/I/2018

Tuesday, 2nd January 2018

To:
Dr. T. Sasipraba
Pro Vice Chancellor
Sathyabama University
India

Dear Madam,

On behalf of Universitas Ahmad Dahlan, it is a great pleasure for us to invite the following delegates :

No	Name	Position
1	Dr. TR. Kalai Lakshmi, M.A., MBA, M.Phil., Ph.D.	Assistant Professor School of Management Studies
2	Dr. Nithya. S	Assistant Professor School of Management Studies

to visit Universitas Ahmad Dahlan on 1 – 31 March 2018 with the agenda to be the visiting lecturers at Faculty of Economics and Business as the agreement implementation between Universitas Ahmad Dahlan, Indonesia and Sathyabama University, India.

Universitas Ahmad Dahlan will provide the accomodation, meals, local transportation and honorarium of IDR 4.000.000 during your stay in Yogyakarta.

We sincerely hope that you will spend your valuable time by accepting our invitation.

Thank you for the cooperation, and see you in Yogyakarta.

Sincerely yours,
Vice Rector IV

Prof. Drs. Sarbiran, M.Ed., Ph.D.
Universitas Ahmad Dahlan
Jl. Kapas No.9 Semaki 55166
Telp : 0274-563515
Yogyakarta - Indonesia



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Sincerely yours,
Vice Rector IV

Prof. Drs. Sarbiran, M.Ed., Ph.D.
Universitas Ahmad Dahlan
Jl. Kapas No.9 Semaki 55166
Telp : 0274-563515
Yogyakarta - Indonesia

University of Strasbourg
Institute of Supramolecular Science and Engineering,
Laboratory of Supramolecular chemistry

8 allée Gaspard Monge, F-67000 Strasbourg

Jean-Marie LEHN, Professor

University of Strasbourg Institute of Advanced Study (USIAS)

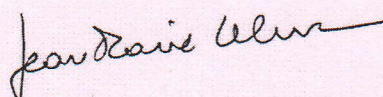
Chair of Chemistry of Complex Systems

To whom it will concern

Dr. K. CHENNAKESAVULU

I herewith confirm that I am glad to accept Dr. K. Chennakesavulu in my laboratory as senior research collaborator. He will be pursuing research in the area of supramolecular chemistry. All facilities of our Institute will be available to him to conduct his work. I understand that he will be fully financially supported by his institution financial support (travel, accommodation, living expenses etc.).

I am looking forward to a fruitful collaboration.





IV CONGRESSO INTERNACIONAL

GRUPO UNIS

Certificamos que **Bhuvaneswari G.**, participou, na qualidade de **Palestrante**, do evento IV Congresso Internacional do Unis, ministrando a atividade **Palestra - As cidades em (re) construção** contabilizando carga horária total de 1 hora(s).

Varginha, 23-26 de abril de 2018.

Prof. Me. Stefano Barra Gazzola
Presidente do Grupo Educacional Unis

23 March 2018

CONFIDENTIAL

Dr Venkatagiri Krishnamoorthy Bupesh Raja
B13, Cedar Block,
Ben Foundation, Maple Orchard,
Padi Kuppam Road, Anna Nagar West,
Chennai, Tamil Nadu
India, PIN: 6000040

Dear Dr Venkatagiri Krishnamoorthy

INVITATION LETTER FOR ACADEMIC VISIT

On behalf of the National University of Singapore, I am very pleased to have the honor of inviting you for a visit as an Academic Visitor to our Department of Mechanical Engineering (ME), Faculty of Engineering for the period from 1 May 2018 to 30 June 2018.

During your visit, you will be working with Assoc Prof Manoj Gupta to participate in research collaboration.

Do keep us informed of your travel itinerary for your visit and I will be happy to assist you in any way we can for your visit.

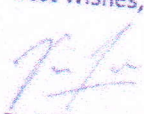
If you accept the terms and conditions for your visit, please sign and return the same no later than **6 April 2018** to:

Dean's Office, Human Resources, Faculty of Engineering
National University of Singapore
Blk EA, Level 7, 9 Engineering Drive 1
Singapore 117575

Attention: Ms Sim Kwang Ying, Manager

I look forward to welcoming you to Singapore.

Best Wishes,


Prof Nhan Phan-Thien
Head of Department of Mechanical Engineering
Faculty of Engineering
National University of Singapore



www.usief.org.in



June 14, 2016

Dr. Prakash Sanjeevi
Scientist
Centre for Climate Change Studies
Sathyabama University
Chennai 600 119
Tamil Nadu

Dear Dr. Sanjeevi,

Congratulations on your selection for Fulbright-Nehru Postdoctoral Research Fellowship for a period of 24 months to conduct research on a project titled: "Implications of climate change on natural history traits of Coral Reef Caridean Shrimps off Florida Keys," at the Clemson University, Clemson, SC beginning August 15, 2016.

It gives us great pleasure to send you the Fulbright-Nehru grant document (Award No. 2162/FNPDR/2016). If you accept the award, please sign, scan and return an electronic copy to USIEF. The original is for you to keep.

Your initial grant is for 12 months as indicated in the Fulbright-Nehru Award. The renewal of your grant for the following 12 months is contingent upon the conditions given in item 11 (Grant renewal) of the Award. As part of your initial grant, you will receive a maintenance allowance of \$2,710 per month for a period not exceeding twelve months beginning August 15, 2016; \$1,000 professional allowance; \$500 settling-in allowance; \$100 transit allowance and \$500 excess baggage allowance. Dr. Antonio Baeza, Department of Biological Sciences, Clemson University, Clemson, SC will be your faculty host.

As part of your Fulbright grant benefits, you will also receive roundtrip transportation via economy class from your place of residence in Chennai, Tamil Nadu to Clemson, SC in accordance with Fulbright guidelines. You will receive an accident and sickness coverage for the grant period (please see ASPE guide for details regarding coverage). If required, USIEF will provide supplemental university health insurance.

Visa Instructions: You must appear in-person before the U.S. Consulate in Chennai to obtain your visa. You will be required to produce the following documents at that time:

1. Passport (s) valid for six months beyond your grant end date and old passports
2. The Certificate of Eligibility for Exchange of Visitor Status (DS-2019)
3. Photograph (2 inches X 2 inches)
4. Confirmation Page of your DS 160 (visa application form)
5. A letter from the appropriate authority sanctioning your leave of absence, if employed

Your DS-2019 form will be with Ms. Maya Sundararajan, Regional Officer, at USIEF's Regional Office in Chennai. Please get in touch with Ms. Sundararajan about visa formalities before you go to the American Consulate, Chennai. She can be reached through email at maya@usief.org.in and telephone number (044) 2857 4410.

United States-India Educational Foundation

United States-India Educational Foundation is a binational organization established by treaty in 1950
12 Hailey Road, New Delhi 110 001, India Tel.: +91-11-4209 0909, 2332 8944 Fax: +91-11-2332 9718 E-mail: info@usief.org.in

REGIONAL OFFICES:

Chennai: American Consulate Building, 220 Anna Salai, Chennai 600 006 Tel.: +91-44-2857 4134/4423/4131 Fax: +91-44-2811 2075 E-mail: usiefchennai@usief.org.in
Hyderabad: American Consulate Building, Paigah Palace, 1-8-323, Chiran Fort Lane, Begumpet, Secunderabad 500 003 Tel.: +91-40-4033 8300 E-mail: usiefhyderabad@usief.org.in
Kolkata: American Center, 38A Jawaharlal Nehru Road, Kolkata 700 071 Tel.: +91-33-3884 6300 Fax: +91-33-2266 1636 E-mail: usiefkolkata@usief.org.in
Mumbai: 2nd Floor, Maker Bhavan-1, New Marine Lines, Church Gate (East) Mumbai 400 020 Tel.: +91-22-2262 4603 Fax: +91-22-2266 3956 E-mail: usiefmumbai@usief.org.in

Sasipraba Jayakumar <deanconference@gmail.com>



Selection list - Fondecyt postdoctoral program 2016

Wed, Oct 28, 2015 at 8:27 PM

Paulraj Mani <paulrajm@gmail.com>

To: Sasipraba Jayakumar <deanconference@gmail.com>, Ram Kumar <rjramkumar@gmail.com>, Shyju T S <shyjuantony1983@gmail.com>

Esteemed Dean,
Dr. Sasipraba Jayakumar,
Sathyabama University,
Chennai.

Greetings !

I am happy to inform you that, two of your scientific personal; Dr. J Ramkumar, & Dr. T. Shyju have been selected by FONDECYT, CHILE, as post-doctoral fellows to work on their proposed research on "Renewable energy - Photovoltaics", here at the University of Concepción with us for a period of 3 years. Official papers are yet to arrive

Of about 800 proposals submitted, 302 got approved. The selection list is been attached for your kind perusal.

It gives me great pleasure to personally intimate this to you and I see this as an opportunity to initiate the MoU between our two institutes.

I stay indeptable & acknowledge the efforts which you had always rendered, right from the start to strengthen collaboration.

Warm regards,
Sincerely,
Paulraj Manidurai
Associate Professor,
Departamento de Fisica,
Facultad de Ciencias Fisicas y Matematicas,
Universidad de Concepcion
Concepcion
CHILE

Selection ListResults__Postdoctorado-2015-Propuestos-adjudicación.pdf
45K

Sasipraba Jayakumar <deanconference@gmail.com>

Gmail

Fwd: Request for Student and Faculty Exchange with Universidad de Concepcion

Dean Office Sathyabama University <deanoffice@sathyabamauniversity.ac.in>
 To: Sasipraba Jayakumar <deanconference@gmail.com>

Fri, Jan 22, 2016 at 2:47 PM

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

From: dean sathyabama <deansathyabama2014@gmail.com>
 Date: Fri, Jan 22, 2016 at 10:24 AM

Subject: Request for Student and Faculty Exchange with Universidad de Concepcion
 To: Dean Office Sathyabama University <deanoffice@sathyabamauniversity.ac.in>

Dear Dr. Roberto Riquelme Sepulveda
 Greetings from Sathyabama University.

I am very glad for having entered into the Memorandum of Understanding with Universidad de Concepcion. I thank you for your effort and support in signing the MOU. I have received four copies of MOU draft of which I am sending you back two copies (one in English and one in Spanish).

I thank you for awarding FONDECYT Post-Doctoral Fellowship to two of the Scientists, Dr. T. S. Shyju and Dr. Ramkumar, working with us.

Sathyabama University is interested to initiate Faculty Exchange and Student Exchange with reputed Universities at International level.

- For Faculty Exchange- The University is looking for an arrangement where the Faculty members can spend 8-24 weeks in the Partner Institution and take up teaching or research for the specified period.
- For Student Exchange- The University is looking for an arrangement where the Students can spend 1-6 months or a Semester in the Partner Institution and take up Courses, research projects or internships.

As the first step to make our association beneficial and effective immediately, On behalf of Sathyabama University, I would like to initiate Student Exchange and Faculty Exchange with Universidad de Concepcion for this year.

Kindly let me know the possibilities of having Student and Faculty Exchange for the year 2016. If possible, please guide me on the procedure. Also please inform me the feasible time (month) to begin the process.

Our University offers the following Academic Programmes :

- Faculty of Computing including Computer Science and Engineering, Information Technology and Computer Applications
- Faculty of Electrical and Electronics including Electronics and Communication Engineering, Electronics and Telecommunication Engineering, Electronics and Instrumentation Engineering and Electronics and Control Engineering
- Faculty of Mechanical including Mechanical Engineering, Mechanical & Productions Engineering, Aeronautical Engineering and Automobile engineering

Faculty of Bio and Chemical Engineering including Bio Technology, Biomedical, Bioinformatics and Chemical Engineering

- Faculty of Building and Environment including Civil Engineering and Architecture
- Faculty of Management studies

For more details regarding the Courses, please refer the following link

http://www.sathyabamauniversity.ac.in/programmes_offered.php

It would be possible for us to have Student and Faculty exchange in any of the above mentioned faculty.

Looking forward to a fruitful association.

Thank you.

Dr.T.Sasipraba
Dean, Sathyabama University,
Chennai-119, India.
Ph: 91 -044-24503065
Fax:91-044-24503814

Sasipraba Jayakumar <deanconference@gmail.com>



Selection list - Fondecyt postdoctoral program 2016

Wed, Oct 28, 2015 at 8:27 PM

Paulraj Mani <paulrajm@gmail.com>

To: Sasipraba Jayakumar <deanconference@gmail.com>, Ram Kumar <rjramkumar@gmail.com>, Shyju T S <shyjuantony1983@gmail.com>

Esteemed Dean,
Dr. Sasipraba Jayakumar,
Sathyabama University,
Chennai.

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- Faculty of Electrical and Electronics including Electronics and Communication Engineering, Electronics and Telecommunication Engineering, Electronics and Instrumentation Engineering and Electronics and Control Engineering
- Faculty of Mechanical including Mechanical Engineering, Mechanical & Productions Engineering, Aeronautical Engineering and Automobile engineering

Faculty of Bio and Chemical Engineering including Bio Technology, Biomedical, Bioinformatics and Chemical Engineering

- Faculty of Building and Environment including Civil Engineering and Architecture
- Faculty of Management studies

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Dr.T.Sasipraba
Dean, Sathyabama University,
Chennai-119, India.
Ph: 91 -044-24503065
Fax:91-044-24503814

CR 1261248
PO Box 381, PC 121
Floor No 1, Flat No 15
Tel: 968-22008809
E-mail: sales@smart-digitaltech.com



تقنيات رقمية الذكية
SMART Digital Technologies

Contract

: You will sign contract with Smart Digital Technologies (Oman) LLC as soon as you report to duty. As attachment of Employment Contract, offer letter shall have the same legal effect as the contract.

Commencement Date

: 1/8/2017

Location

: Smart Digital Technologies LLC in the Sultanate of Oman

We are happy to appoint you as a Visiting International Professor cum Advisor in our Data Management and Systems (DMS) Biology group in Smart Digital Technologies at Sultanate of Oman from 01.08.2017- 31.07.2018. With immense pleasure we cordially invite you to share your knowledge and experience with us.

Please feel free to call Smart Digital Technologies, at +968-2208809. Welcome to join in SmartDigiTech(Oman) LLC and look forward to your favorable response regarding this offer.

Please sign it and send one copy back to us.

Best Regards,

Director:

SHAHUL HAMEED

Signature:

Date: 20/7/2017



Dr. R. BEEMA SHAFREEN

(Candidate)

Signature:

Date:



高雄醫學大學 Kaohsiung Medical University

Add / 100, Shih-Chuan 1st Road, San Ming District, 807 Kaohsiung City, Taiwan, R.O.C
807高雄市三民區十全一路100號 <http://www.kmu.edu.tw> Tel / 886-7-312-1101

LETTER of INVITATION

This is a letter of invitation for Dr. Amit Kumar [Scientist C, Centre for Climate Change Studies Sathyabama University, Jeppiaar Nagar, Chennai - 600119, Sathyabama University, India].

Dr. A. Kumar as a world expert wants to contribute to our metagenomic studies at hydrothermal vents of Kuaishan Tao and is welcome and actually needed to join our Taiwan team from 23rd June to the 8th of July 2017 when we will do the experimentation in Taiwan.

With regards,

Hans-Uwe Dahms, Ph.D., D.Sc., Professor

Kaohsiung 26th May 2017,

KMU, Dept. of Biomedical Sciences and Environmental Biology,
No. 100, Shih-Chuan 1st Road,
San Ming District, Kaohsiung 80708, Taiwan R.O.C.
Telephone: 886-(0)7-312-1101-2695
Cell Phone 886-974-100275

Hans-U. Dahms



高雄醫學大學

【별지 제1호 서식】

동명대학교 산학협력단장(이하 "갑"이라 한다)과 I. NEELAKANTA REDDY (이하 "을"이라 한다)는 다음과 같이 근로계약을 체결하고 이를 성실히 이행할 것을 화약하며, 본 계약은 한국연구재단 기초연구사업(여성과학자지원사업) 및 동명대학교 산학협력단 계약직직원규정 제6조(근로계약기간 및 퇴직)에 정하는 바에 의하여 당사자 간의 자유로운 의사에 따른 합의를 전제로 체결하는 것임을 상호간에 확인한다.

제1조(계약의 목적) "갑"이 동명대학교 산학협력단의 업무 수행을 위하여 "을"을 임용 계약함에 있어 이에 관한 책임과 의무를 규정함을 목적으로 한다.

제2조(근로계약기간) 1 "을"의 근로계약기간은 2016년 11월 1일부터 2017년 10월 31일까지로 하며 그 사항은 동명대학교 산학협력단 계약직직원규정 제6조에서 정하는 바에 의한다. 다, 근로 계약기간 중간에 사업(연구)이 종료 될 경우 근로 계약도 종료된다.

제3조(근로조건 및 복무) "을"의 근로조건 및 복무사항은 다음 각 호와 같다.

1. 계약직종 : 계약직(계약직 연구원)
2. 소속사업단 : 동명대학교 산학협력단의 연구지원팀
3. 담당업무 : 한국연구재단 해당연구과제 수행
4. 근로일수 및 시간 : 동명대학교 교직원복무규정에 정한 바(수요내용은 아래와 같다)에 의한다.
 - 근무일수 : 주 5일 근무제, 주 40시간 근무를 원칙으로 한다.
 - 근무시간 : 오전 9시부터 오후 5시까지이며 방학중 단축근무시간은 동명대학교 교직원 단 재협약에 의한다. 단, 단축근무 종료시간부터 오후 6시까지의 연장근무로 보지 않는다.
5. 휴게시간 : 12시부터 1시까지 식사시간을 포함하여 1시간.
6. 유급휴원 : 동명대학교 교직원복무규정에 정한 바에 의한다.
7. 휴 가 : 동명대학교 교직원복무규정 및 근로기준법에 정한 바에 의한다.
8. 결직의 금지 : 동명대학교 교직원복무규정에 의하여 결직은 불허한다. 단, 근무시간 이외의 경우에는 산학협력단장의 승인을 받아 허가할 수도 있다.

제4조(보수) "갑"이 "을"에게 지급하는 보수는 다음 각 호에 의한다.

1. "을"의 보수는 연봉 ₩20,400,000(12개월, 월징액1,700,000원)으로 한다.
2. "을"의 보수는 매월 급여일(17일)에 지급한다.
3. 법정세수당(퇴직금)은 연봉에 포함되지 않으며 사유발생시에 별도 지급한다.
4. 인건비(보수, 사회보장보험, 법정부담금, 퇴직금)의 재원은 해당 연구비내에서 부담한다.
5. 평균임금 및 통상임금의 산정은 근로기준법과 근로관계 법령 등이 정하는 바에 따른다.

제5조(근무의 성실이행) "을"은 계약기간 중 "갑"의 업무지시 및 동명대학교 산학협력단 제 규정 및 해당사업의 관련규정을 성실히 준수하여야 한다.

근로 계약서

제6조(근로계약해지) 계약기간 중 동명대학교 산학협력단 계약직직원규정 제7조 각 호에 해당하는 사유가 발생한 경우에는 계약을 해지하고 "을"은 퇴직한다.

제7조(사회보장보험 및 퇴직금) 사회보장보험 및 퇴직금은 동명대학교 산학협력단 계약직직원규정 제10조 및 제12조에 정한 바에 의한다.

제8조(변상책임) 근무기간 중 "을"의 명백한 과실로 인하여 재산상의 손실이 발생한 경우 "을"은 "갑"에게 그 손실을 변상하여야 한다.

제9조(준용사항) "갑"과 "을"의 근로계약에 관하여 본 계약서에 명시되지 아니한 사항은 근로기준법 등의 관련법령과 동명대학교 산학협력단 및 동명대학교의 관련규정 및 한국연구재단 해당사업 규정을 준용한다.

제10조(서명날인) "을"은 본 계약서 및 동명대학교 산학협력단 계약직직원규정상의 주요내용을 확인하고 자필로 서명한다. 확인란 Neelakanta Reddy

2016년 11월 1일

"갑" : 동명대학교 산학협력단 단장 구 학 근 인

"을" : 근로계약자 (성명) Neelakanta Reddy
(생년월일) 05/17/1985

04/10/2016

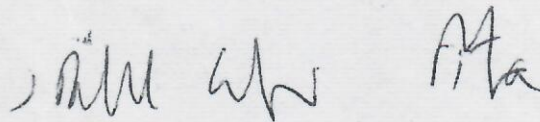
To whom it may concern,

To whom it may concern

I confirm that Dr Pritee Goyal is a visiting scholar in the Laboratory of Applied Sciences in Queen Mary, University of London. Dr. Goyal has continued her research on water contamination and has also studied some principles of Matlab. The results of her research will be published in an academic journal article. I also confirm that I am directly collaborating with Pritee Goyal from the International Centre for Nano Science and Nano Technology of Sathyabama University in Chennai.

If I can be of further assistance, please do not hesitate to contact me.

Yours sincerely,



Dr. J.R. Castrejón-Pita
Lecturer in Applied Science,
Queen Mary University of London
Mile End Road, London, E1 4N
+44(0) 2078 27620,
r.castrejonpita@qmul.ac.uk

Ranjit Carlton

carltonbiotec@gmail.com

Bari, 30. 01. 2018

Prot. N. 8670-V/6

Object: Acceptance letter GlobalDoc project (CUP H96J17000160002)

Dear Ranjit Carlton,

We are pleased to inform you that your application to the project GLOBAL DOC – 5 month research mobility - at the University of Bari “Aldo Moro” (UniBa) - has been positively evaluated.

We look forward to hosting you at UniBa for a period of 5 months. You will be awarded a mobility scholarship of € 6,000.00 gross amount (i.e. € 1,200.00 gross amount per month) and you will receive a lump sum payment for travel expenses of € 592.00.

We kindly ask you **to confirm by email at globaldoc@uniba.it your acceptance at your earliest convenience and in any case within February 7th, by returning this letter duly signed.** Please note that the mobility should be completed by the end of August 2018, hence we invite you to organize your visit (with our full support) as soon as possible.

An academic tutor will be assigned to you in order to provide academic guidance and facilitate your training/research activities as stated in your proposal. In the coming days we will facilitate contacts with your academic tutor at UniBa. Our staff

will provide assistance before and during your stay in Bari in order to facilitate a smooth and profitable research period at our University.

Please find below the link to all the relevant information about the city and the University, useful for your period in Bari (<http://www.uniba.it/internazionale/mobilita-in-uscita/studenti/progetto-global-doc/incoming/global-doc-project>)

At your arrival in Bari, you will have to deliver to our International Mobility Unit, an original PhD certificate of attendance or a statement of value of your qualifications.

Should you need additional information or assistance, do not hesitate to contact us.

If you need we send an official letter to your Embassy or Consulate, please send us the right contact address.

Once again, we extend our congratulations on your admission to University of Bari Aldo Moro and we look forward to welcoming you in our research community.

Sincerely,

The Rector

Prof. Antonio Felice Uricchio





Office of Vice-President,
Research and Innovation
t: (807) 343-8201 f: (807) 766-7105

April 28, 2017

Theerthagiri Jayaraman
Gobichettipalayam (Village & Post)
Papireddipatti Taluk
Dharmapuri District
Tamil Nadu-635, 305 India

Dear Dr. Jayaraman:

I am pleased to offer you a postdoctoral fellow appointment in the Department of Chemistry for the following period: July 3, 2017 to June 30, 2018. As is customary, this appointment is subject to a three month probationary period. During your appointment, you will be supervised by Dr. Aicheng Chen, Canada Research Chair in Materials and Environmental Chemistry, Department of Chemistry, on a research project related to the following topic (as described in the *Lakehead University Request for Post-Doctoral Fellow (PDF) or Visiting Scholar (VS) Appointment/Re-Appointment Form*): "Synthesis and electrochemical study of carbon-based nanomaterials for green chemistry applications."

During your appointment, you will be paid a fellowship of \$35,000/year (to be paid out in equal installments semi-monthly during the term of the appointment). The fellowship will be paid out of Dr. Chen's NSERC Discovery Grant funding. This appointment is conditional upon continued availability of funding.

Enclosed, please find a copy of the Lakehead University Postdoctoral Fellows and Visiting Scholars Policy. In order for you to take up this position, you will be responsible for obtaining the relevant work permit from an immigration officer at a Canadian Consulate or at your port of entry. For clarification, your application for an employment visa does not require Canadian Employment validation of this offer, as you will be in the exempt category of Postdoctoral Fellow (C44). Prior to commencement of this appointment, you are required to provide a copy of your valid work permit to the Office of Research Services. Lakehead University will provide you with the required offer of employment (Labour Market Impact Assessment [LMIA]-exempt) ID number for inclusion in your work permit application form.

You will be responsible for your living expenses, University Health Insurance Plan (UHIP) medical expenses, and travel costs. As a condition of your appointment with Lakehead University, you will be enrolled in the University Health Insurance Plan (UHIP) for a minimum of three months at a cost of \$51 CDN per month. You should be eligible for health insurance through the Ontario government (OHIP), at no cost to you, after a three-month waiting period. Due to this three month waiting period, upon your arrival at Lakehead University, you should immediately apply for OHIP coverage at the Ontario Service Office on 435 James Street South. If applicable, your spouse and/or dependent

children are deemed ineligible for health insurance through the Ontario government, you must enrol and pay for UHIP at a cost of approximately \$51 CDN per person per month. For detailed information regarding UHIP, please visit www.uhip.ca.

Upon your arrival at Lakehead University, please visit Human Resources located at UC 0003 (below the Agora) to obtain the required system ID and to register for health and safety training. Following this, please visit the library to obtain your ID card. You must register with the Lakehead Student Accounts Office and pick up your health insurance card. You will need to see Yvonne Vennes-Kennedy, International Financial Officer, and she is located in the Student Accounts Office- UC 0002 (just down from Human Resources). Yvonne will also process your payment for UHIP at this time. For more information you can email Yvonne at yvonne.vennes-kennedy@lakeheadu.ca or 807-343-8917.

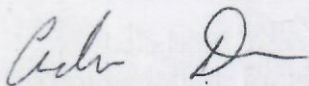
Payments to postdoctoral fellows are normally considered taxable income. Although payments treated as fellowships for income tax purposes do not require withholding tax at source, it may be advisable to have regular tax deductions made. The income is taxable and regular deductions will avoid owing a large amount at the time of filing an income tax return. For more information, contact Canada Revenue Agency www.cra-arc.gc.ca. Upon your arrival at Lakehead, please let our Human Resources Department know if you would like income tax deducted at source.

This postdoctoral fellow appointment may be terminated at any time by the University for cause (for example, a material failure to meet the specified service standards), in which case the postdoctoral fellow is not entitled to any further payments beyond those earned for services provided up to the date of the termination of the appointment. For any reason, early termination of the appointment may also occur if either party provides written notice according to the Employment Standards Act.

Lakehead University is committed to providing, upon request, suitable accommodations for all University members with disabilities that take into account the needs of the person with the disability. For further information regarding accommodation, please refer to the following website: <https://www.lakeheadu.ca/current-students/student-services/accessibility/commitments/>.

I look forward to your written acceptance of this offer by May 8, 2017 and to welcoming you to Lakehead University.

Yours sincerely,



Dr. Andrew P. Dean
Vice-President (Research, and Innovation)

Enclosure
